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# **AMERICAN CHEMICAL SOCIETY**

## **Council Agenda**

**Wednesday, September 11, 2013  
8:00 AM**

**JW Grand Ballroom 5/6**

**JW Marriott Indianapolis Hotel**

**Indianapolis, Indiana**

COUNCIL, AMERICAN CHEMICAL SOCIETY  
 8:00 A.M., September 11, 2013  
 JW Marriott Indianapolis Hotel, JW Grand Ballroom 5/6  
 Indianapolis, Indiana

AGENDA

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**DRAFT  
MINUTES  
COUNCIL**  
AMERICAN CHEMICAL SOCIETY  
April 10, 2013  
New Orleans, Louisiana

The Council of the American Chemical Society met in New Orleans, Louisiana, on April 10, 2013, beginning at 8:00 a.m. Marinda Li Wu, President of the Society and the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives were present:

**Ex-Officio:** John E. Adams, Tom J. Barton, Ronald Breslow, Bruce E. Bursten, William F. Carroll, Jr., Charles P. Casey, Bonnie A. Charpentier, Pat N. Confalone, Helen M. Free, Thomas R. Gilbert, Ned D. Heindel, Madeleine Jacobs, Larry K. Krannich, Valerie J. Kuck, Thomas H. Lane, Flint H. Lewis, Ingrid Montes, E. Ann Nalley, Gordon L. Nelson, Attila E. Pavlath, Eli M. Pearce, Elsa Reichmanis, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shakhashiri, Kent J. Voorhees, Edel Wasserman, Marinda Li Wu.

**Divisions:** *Agricultural and Food Chemistry*, John W. Finley, Michael J. Morello, Agnes M. Rimando, Sara J. Risch. *Agrochemicals*, Rodney M. Bennett, Jeanette M. Van Emon. *Analytical Chemistry*, Michelle V. Buchanan, M. Bonner Denton, Catherine C. Fenselau, Roland F. Hirsch. *Biochemical Technology*, Arindam Bose, Sadettin Ozturk, Sharon P. Shoemaker, Weichang Zhou. *Biological Chemistry*, Michelle C. Chang, Stewart L. Fisher, Nicole S. Sampson. *Business Development & Management*, Janet L. Bryant, Edward M. Yokley\*. *Carbohydrate Chemistry*, Derek Horton. *Cellulose & Renewable Materials*, Kevin J. Edgar, Orlando J. Rojas. *Chemical Education*, Renée S. Cole, Melanie M. Cooper, Resa M. Kelly, Ellen J. Yezierski. *Chemical Health & Safety*, Robert H. Hill, Jr., Russell W. Phifer. *Chemical Information*, Helen Anne Lawlor, Andrea B. Twiss-Brooks. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, Tina M. Nenoff, John N. Russell, Jr., Maria M. Santore, Robert D. Tilton. *Computers in Chemistry*, Emilio X. Esposito, Peter C. Jurs, Veerabahu Shanmugasundaram\*, Ralph A. Wheeler. *Energy & Fuels*, Archibald C. Buchanan III, Semih Eser, Anne M. Gaffney, Martin L. Gorbaty. *Environmental Chemistry*, V. Dean Adams, Alan W. Elzerman, Jurgen H. Exner, Martha J.M. Wells. *Fluorine Chemistry*, David A. Dixon. *Geochemistry*, Yoko Furukawa\*. *History of Chemistry*, Roger A. Egolf, Mary Virginia Orna. *Industrial & Engineering Chemistry*, Martin A. Abraham, Spiro D. Alexandratos, Melanie J. Lesko, Mary K. Moore. *Inorganic Chemistry*, Ana de Bettencourt-Dias, James K. McCusker, Silvia Ronco, William B. Tolman. *Medicinal Chemistry*, Richard A. Gibbs, William J. Greenlee, Amy S. Ripka, David P. Rotella. *Nuclear Chemistry & Technology*, Graham F. Peaslee, Steven W. Yates. *Organic Chemistry*, Huw M.L. Davies, P. Andrew Evans, Donna M. Huryn, Cynthia A. Maryanoff. *Physical Chemistry*, Donna J. Minton, Ellen B. Stechel, Robert A. Walker\*. *Polymer Chemistry*, Frank D. Blum, William H. Daly, Mary Ann Meador, John Pochan. *Polymeric Materials: Science & Engineering*, Benny D. Freeman, Julie L.P. Jessop, David J. Lohse, Dean C. Webster. *Professional Relations*, Lynne P. Greenblatt, Diane G. Schmidt. *Rubber*, John M. Long. *Small Chemical Businesses*, Stanley S. Seelig\*\*.

**Local Sections:** *Akron*, James E. Duddey, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Edward J. Parish\*. *Baton Rouge*, Anne K. Taylor. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Michael T.H. Cheng, Mark D. Frishberg\*, Sheila Kanodia, Lee H. Latimer, Alex M. Madonik, Eileen M. Nottoli, Paul F. Vartanian. *California Los Padres*, Albert C. Censullo. *Carolina-Piedmont*, Matthew K. Chan, Halley A. Merrell, Jr. *Central Arizona*, Richard C. Bauer, Douglas J. Sawyer. *Central Arkansas*, Martin D. Perry, Jr. *Central Massachusetts*, Christopher Masi. *Central New Mexico*, Ronald D. Clark\*, Donivan R. Porterfield. *Central North Carolina*, Timothy D. Ballard, Robert A. Yokley. *Central Ohio Valley*, Gary D. Anderson. *Central Pennsylvania*, Paul D. Schettler, Jr. *Central Texas*, Barry J. Streusand\*, Linette M.

\*Alternate Councilor

\*\*Temporary Substitute Councilor

Watkins. **Central Wisconsin**, C. Marvin Lang. **Chattanooga**, Verrill M. Norwood III. **Chemical Society of Washington**, Joseph M. Antonucci, Elise A. Brown, Regina J. Cody, Michael P. Doyle, Carol J. Henry, John M. Malin\*, N. Bhushan Mandava, Kim M. Morehouse, Jennifer L. Young. **Chicago**, Cherlynlavaughn Bradley, Charles E. Cannon, David S. Crumrine, Kenneth P. Fivizzani, Herbert S. Golinkin, Russell W. Johnson, Milton Levenberg, Inessa Miller, Barbara E. Moriarty, 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**, David L. Dillon, Connie Gabel, Michael D. Mosher, Ryan M. Richards\*, Susan M. Schelble. **Columbus**, Donald C. Songstad, Virginia H. Songstad, Jeffrey B. Trent\*. **Connecticut Valley**, Ronald D. Archer, Kevin M. Shea, Julianne M.D. Smist, Frank J. Torre, Ronald J. Wikholm. **Cornell**, Earl Peters\*. **Corning**, Roger F. Bartholomew. **Dallas-Fort Worth**, Linda D. Schultz, E. Thomas Strom, Angela K. Wilson. **Dayton**, Steven Trohalaki. **Delaware**, John Gavenonis, Tiffany N. Hoerter, Martha G. Hollomon, Margaret J. Schooler. **Detroit**, Mark A. Benvenuto, James M. Landis, Jr., Walter O. Siegl. **East Central Illinois**, Ellen A. Keiter. **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**, Weslene Tallmadge. **Florida**, Béla S. Buslig, Carmen V. Gauthier. **Georgia**, Lissa Dulany, David S. Gottfried, Terence E. Say, C. David Sherrill. **Greater Houston**, Simon G. Bott, Carolyn A. Burnley, Amber S. Hinkle, Mamie W. Moy, David M. Singleton, Kerry K. Spilker. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Kenneth G. Brown. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis, Harriet Lindsay. **Idaho**, Joshua J. Pak. **Illinois Heartland**, Gregory Ferrence. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Dawn A. Brooks, David Mitchell, Robert A. Pribush. **Indiana-Kentucky Border**, Jeffery W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Iowa**, Addison Ault. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Madan M. Bhasin. **Kansas City**, Eckhard Hellmuth, Sarah J. Leibowitz. **Kansas State University**, Daniel A. Higgins. **Kentucky Lake**, Charles M. Baldwin. **Lake Superior**, Donald K. Harriss. **Lehigh Valley**, Pamela D. Kistler, Carol B. Libby. **Lexington**, Girish S. Patil\*\*. **Louisiana**, Alvin F. Bopp. **Louisville**, James F. Tatera. **Maine**, Mitchell R.M. Bruce. **Mark Twain**, Dawood Afzal. **Maryland**, Merle I. Eiss, Dana Ferraris, Jan E. Kolakowski, Paul J. Smith, Stephanie Watson. **Memphis**, Laura M. Wolf. **Michigan State University**, Susanne M. Lewis\*. **Middle Georgia**, Robert J. Hargrove. **Mid-Hudson**, George W. Ruger. **Midland**, Wendy C. Flory, Bob A. Howell. **Milwaukee**, Kevin W. Glaeske, Joseph J. Piatt. **Minnesota**, Marilyn Duerst, Lynn G. Hartshorn, Ramesh C. Kumar, Sarah M. Mullins, Wayne C. Wolsey. **Mississippi**, Gary R. Bishop. **Mojave Desert**, Peter Zarras. **Mo-Kan-Ok, The Tri-State**, Khamis S. Siam. **Montana**, Kyle S. Strode. **Nashville**, Judith M. Iriarte-Gross, Ruth Ann Woodall. **Nebraska**, James M. Takacs. **New Haven**, Gerald J. Putterman. **New York**, Richard D. Cassetta, Ronald P. D'Amelia, Brian R. Gibney, Barbara R. Hillery, Hiroko I. Karan, Joan A. Laredo-Liddell, Anne T. O'Brien, Patricia A. Redden, Frank Romano. **North Alabama**, Carmen Scholz. **North Carolina**, James L. Chao, Alvin L. Crumbliss, Sara N. Paisner, Richard A. Palmer, Laura S. Sremaniak. **North Jersey**, Jeannette E. Brown, Amber F. Charlebois, Alan B. Cooper, Stan S. Hall, Elizabeth M. Howson\*, Anne M. Kelly, Diane Krone, Les W. McQuire, Michael M. Miller, John J. Piwinski\*, Joseph A. Potenza, William H. Suits. **Northeast Georgia**, Susan D. Richardson. **Northeast Tennessee**, John K. Sanders. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Michaeline F. Chen, Catherine E. Costello, Michael P. Filosa, Patrick M. Gordon, Morton Z. Hoffman, Leland L. Johnson, Jr., Katherine L. Lee, Doris I. Lewis, Robert L. Lichter, Kenneth C. Mattes\*, Jackie J. O'Neil, Norton P. Peet\*, Dorothy J. Phillips, Mary J. Shultz, Michael Singer, Ruth E. Tanner. **Northeastern Ohio**, Carol A. Duane. **Northern New York**, Devon A. Shipp\*. **Northern Oklahoma**, Kristi A. Fjare. **Northern West Virginia**, Edwin L. Kugler\*. **Northwest Central Ohio**, Hafed A. Bascal\*. **Northwest Louisiana**, Brian A. Salvatore. **Oklahoma**, Allen W. Apblett. **Ole Miss**, Jason E. Ritchie. **Omaha**, Richard Lomneth. **Orange County**, Robert S. Cohen, Sanda P. Sun. **Oregon**, Richard L. Nafshun. **Orlando**, Darlene K. Slattery. **Ouachita Valley**, Danny E. Hubbard. **Ozark**, Eric Bosch. **Panhandle Plains**, Mary E. Graff\*\*. **Penn-Ohio Border**, Doris L. Zimmerman. **Pensacola**, Allan M. Ford. **Permian Basin**, Kathryn Louie. **Philadelphia**, Anthony W. Addison, Melissa B. Cichowicz, Deborah H. Cook, Judith Currano, Ella L. Davis, Anne S. DeMasi, William R. Ewing, Margaret A. Matthews, Kathleen T. Shaginaw, Judith A. Summers-Gates, James E. Tarver, Jr.\*, Peter A. Wade\*. **Pittsburgh**, Richard S. Danchik, V. Michael Mautino, Joseph D. Jolson\*, Robert Mathers\*. **Portland**,

James O. Currie, Jr.\*. *Princeton*, Louise M. Lawter, Sharon A. Sibilia. *Puerto Rico*, Néstor M. Carballeira. *Puget Sound*, Gary D. Christian, Gregory L. Milligan, Philip J. Reid, Mark Wicholas. *Purdue*, Adam C. Myers\*\*. *Red River Valley*, Harmon B. Abrahamson. *Rhode Island*, Peter J. Bonk. *Richland*, Richard A. Hermens. *Rio Grande Valley*, Keith H. Pannell. *Rochester*, D. Richard Cobb, Richard W. Hartmann. *Rock River*, Dennis N. Kevill. *Sabine-Neches*, John A. Whittle. *Sacramento*, John R. Berg, Janan M. Hayes. *Salt Lake*, Thomas G. Richmond, Peter J. Stang. *San Antonio*, Adeola Grillo\*\*. *San Diego*, Thomas R. Beattie, Desiree Grubisha, John G. Palmer, J. Kenneth Poggenburg, Jr., James J. Shih\*, David M. Wallace. *San Gorgonio*, James A. Hammond. *San Joaquin Valley*, Melissa L. Golden. *Santa Clara Valley*, Abigail Kennedy, George J. Lechner, Natalie L. McClure\*, David R. Parker\*, Sally B. Peters, Peter F. Rusch, Herbert B. Silber. *Savannah River*, Christopher J. Bannochie. *Sioux Valley*, Jetty L. Duffy-Matzner. *Snake River*, Don L. Warner. *South Carolina*, William H. Breazeale, Jr., Scott R. Goode. *South Central Missouri*, Jyoti K. Malhotra. *South Florida*, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. *South Jersey*, Guenter Niessen. *South Plains*, Bill Poirier. *South Texas*, Thomas R. Hays. *Southeastern Pennsylvania*, James B. Foresman\*. *Southern Arizona*, Steven L. Brown. *Southern California*, Rita R. Boggs, Robert de Groot, Thomas R. LeBon, Virgil J. Lee, Eleanor D. Siebert, Barbara P. Sitzman. *Southern Illinois*, Rachel M. Theall. *Southern Indiana*, Kenneth G. Caulton. *Southern Nevada*, Onofrio G. Gaglione. *Southwest Georgia*, Subhash C. Goel. *St. Louis*, Lisa M. Balbes, Lawrence Barton, Donna G. Friedman, Alexa B. Serfis. *Susquehanna Valley*, Dee Ann Casteel. *Syracuse*, Alyssa C. Thomas. *Tampa Bay*, Sidney S. White, Jr.\*. *Texas A&M*, David E. Bergbreiter. *Toledo*, Andrew D. Jorgensen. *Trenton*, Bruce S. Burnham, Benny C. Chan\*. *University of Arkansas*, Neil T. Allison. *Upper Ohio Valley*, Kevin Pate. *Upper Peninsula*, Joseph Sabol\*\*. *Virginia*, R. Gerald Bass, Kristine S. Smetana, Ann M. Sullivan. *Virginia Blue Ridge*, Wilson G. 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*, Joseph H. Audie\*, Matt Kubasik\*\*. *Western Maryland*, Don B. Weser. *Western Michigan*, Mark A. Thomson. *Wichita*, D. Paul Rillema. *Wichita Falls-Duncan*, Keith R. Vitense. *Wilson Dam*, Michael B. Moeller. *Wisconsin*, Martha L. Casey, Ieva L. Reich. *Wooster*, James D. West. *Wyoming*, John O. Hoberg.

**Nonvoting Councilors:** Brian A. Bernstein, Karl S. Booksh, H.N. Cheng, Brian D. Crawford, Denise L. Creech, Katherine C. Glasgow, George E. Heinze, Mary M. Kirchhoff, Anne B. McCoy, Connie J. Murphy, A. Maureen Rouhi.

**Noncouncilors:** Elizabeth P. Beckham, Yvonne D. Curry, Alicia E. Harris, David E. Harwell, John C. Katz, Christi Pearson, Barbara F. Polansky, David T. Smorodin, Frank E. Walworth, Marleen G. Weidner.

The preceding list of attendees at the Council meeting includes the following: 28 Ex- Officio Councilors; 85 Division Councilors (80 elected, 4 alternate, 1 temporary); 333 Local Section Councilors (298 elected, 29 alternate, 6 temporary); 11 Nonvoting Councilors; and 10 Noncouncilors (staff and others). Approximately 55 observers were in attendance.

### Resolution

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. Jack G. Kay  
(Professor Emeritus, Drexel University)

Philadelphia  
(1982-2000)

Dr. Edward S. Hanrahan  
(Retired Dean, College of Science,  
Marshall University)

Central Ohio Valley  
(1970-1983)

Dr. Preston H. Leake (Retired, Vice President of Research, American Tobacco)	Virginia (1977-1991)
Dr. Marian Jose Smith (Retired Professor, College of St. Elizabeth)	North Jersey (1976-1998)
Dr. Lester C. Krogh (Chemical Engineer and Chemist)	Minnesota (1964-1972) Bylaw Councilor (1973)
Dr. Glenn Fuller (Retired, USDA Western Regional Research Center)	California (1968-1970; 1972-1991)
Dr. James J. Zwolenik (Assistant Inspector General for Oversight, National Science Foundation)	Chemical Society of Washington (2009-2012)
Dr. Arthur E. Marcinkowsky (Former employee- Oak Ridge National Lab)	Kanawha Valley (1992-2011)
Dr. Tomlinson Fort (Centennial Professor Emeritus, Vanderbilt University)	Colloid and Surface Chemistry (1978-2004)
Dr. John K. Borchardt (Consultant, oil and energy; technical writer ACS career consultant)	Wichita Falls Duncan (1984) Professional Relations (2007-2012)
Dr. James A. Manner (Retired Chemist, PPG Industries)	Pittsburgh (2008-2013)
Dr. Frederick G. Heineken (Retired, National Science Foundation)	Biochemical Technology (2009-2012)
Dr. Charles F. Rowell (Professor Emeritus of Chemistry, U.S. Naval Academy)	Maryland (1979-2009)
Dr. Truman S. (Ted) Light (Retired Principal Research Scientist at Foxboro, AVCO)	Northeastern (1978-1991; 1993-1995; 2001; 2004-2005)
Dr. Joseph A. Dixon (Professor Emeritus, Pennsylvania State University, Chair, ACS Board of Directors - 1990-1992)	Central Pennsylvania (1969-1986) Ex Officio Councilor (1987-1995)

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

Approval of Minutes

2. VOTED to approve, as distributed, the minutes of the meeting of August 22, 2012.

Report of Interim Actions, Council Policy Committee

3. VOTED to receive the report of an interim action of the Council Policy Committee.

Selection of Candidates for President-Elect 2014

**William H. (Jack) Breazeale**, chair, Committee on Nominations and Elections (N&E), introduced the following nominees for selection as candidates for President-Elect 2014, and candidates for election to the Board of Directors:

4. In accordance with the provisions of Bylaw III, Sec. 3, b, (1), (b), the Committee on Nominations and Elections presented the following nominees for selection as candidates for President-Elect 2014: G. Bryan Balazs, Charles E. Kolb, Jr., Carolyn Ribes, and Diane Grob Schmidt. After each nominee spoke to Council, the Council selected by electronic ballot G. Bryan Balazs and Charles E. Kolb, Jr. as candidates for President-Elect 2014.

Dr. Breazeale introduced the candidates for the Board of Directors, chosen by voting Councilors in District II and District IV for the election to be conducted this fall for the term 2014-2016: District II, George M. Bodner and Alan A. Hazari; and District IV, Rigoberto Hernandez and Larry K. Krannich.

Dr. Breazeale then announced the following candidates for Director-at-Large on the Board of Directors: Susan B. Butts, Thom H. Dunning, Jr., Dorothy J. Phillips, and Kathleen M. Schulz. The election will be conducted this fall. The two successful candidates will fill 2014-2016 terms.

Reports of Society Officers

**President Marinda Li Wu** reported that her presidential task force, "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise," has shared presentations on its findings with 26 stakeholder committees and divisions at this meeting. She said her priorities as president are serving member interests; promoting science education and especially science literacy; driving action, transparency and inclusivity; building bridges for strategic collaboration; and advocating for jobs and professional growth. Dr. Wu reminded Councilors of her presidential events planned for this meeting and the fall national meeting. She reported that eleven presidents of chemical societies from Europe, Asia, the Americas, and Africa are attending this meeting at her invitation to discuss common challenges and explore how we might partner to better address global challenges.

Dr. Wu reported that the International Employment Initiative was launched at Sci-Mix and has received positive feedback from international employers as an example of another means for reaching job seekers. She summarized her report by sharing what she called the ACS Big Picture. Dr. Wu described the ACS as an enabler, a leading voice in chemistry, and a world leader.

**President-Elect Thomas J. Barton** reported that he will be presenting a lecture in Spanish at the 48<sup>th</sup> Congreso Mexicano de Quimica in Guanajuato this year. He said his plans do not include a presidential task force, noting that a task force should be saved for significant special needs that have not been subjected to previous focused reviews. However, Dr. Barton did express concern about the poor state of K-12 chemistry education in the U.S. and the necessity of ACS action in this arena.

Dr. Barton said that his plans for 2014 include hosting a symposium on fracking, working with Professor Daniel Nocera on a symposium on photocatalytic conversion of water to hydrogen and oxygen, and a summit meeting of CEOs of American chemical companies to produce a white paper on factors inhibiting growth and development of chemistry in the U.S.

**Immediate Past President Bassam Z. Shkhashiri** began his report by presenting a check equivalent to his meeting registration fee to the Executive Director for Project SEED in recognition of his fifty-year



membership. Dr. Shakhashiri then reminded Councilors of two important responsibilities: Advancing chemistry and communicating chemistry. He said the ACS report on Advancing Graduate Education in the Chemical Sciences is receiving considerable attention from several sectors and has been described as transformative. Dr. Shakhashiri reported that eleven grants have been awarded under the ACS Challenge Grant Program for local sections and divisions for the ACS Climate Science Initiative.

**Board Chair William F. Carroll, Jr.** focused much of his report on the long-running Leadscope case, as this was his first opportunity to report to the Council since the decision from the Ohio Supreme Court last September. He said that the Court in a 5-2 vote found that ACS did not defame the Leadscope defendants and vacated the lower court's award for damages on this issue. The Court also agreed with the Society's legal arguments that the trial court had improperly instructed the jury on that claim. Nevertheless, the Court by a 4-3 vote denied relief to ACS on that issue. On October 5, 2012, the parties reached a settlement of the case and ACS made a payment of \$22.6 million in exchange for mutual releases settling and resolving all current and future claims arising from the dispute. Dr. Carroll concluded his comments on this subject by stating that ACS made every effort to resolve this matter prior to filing suit. He urged Councilors who may have further questions to review questions and answers on *ACS v. Leadscope* at [www.acs.org/leadscopeqa](http://www.acs.org/leadscopeqa).

On other business, Dr. Carroll reported that the Board voted to approve an alliance with the Federacion de Latino Americano Asociaciones de Quimica (FLAQ) and to renew an alliance with the Chinese Chemical Society. The signing ceremony for alliances with the Chinese Chemical Society and the South African Chemical Institute (which was previously approved) took place on Sunday immediately prior to the open Board meeting. Dr. Carroll reminded Councilors of a directive to federal agencies with more than \$100M in R&D expenditures to develop plans to make the published results of federally funded research freely available to the public within one year of publication and of requiring researchers to better account for and manage the digital data resulting from federally funded scientific research. He said the Board reviewed the situation with the ACS Publications Division, which is developing plans to comply with and address whatever form final implementation of this directive takes.

**Executive Director and CEO Madeleine Jacobs** began her report with a thought provoking question/comment: "Why should I join ACS? I already have access to ACS journals and SciFinder at work?" Ms. Jacobs followed-up with a short succinct answer that addresses the benefits of ACS membership: "ACS is your professional home to meet and network with other chemical scientists and engineers to advance our profession." She then informed Councilors of a new benefit wherein CAS will be providing limited complimentary SciFinder access for personal use through the new ACS Member SciFinder Benefit – 25 complimentary Sci-Finder activities each membership term.

Ms. Jacobs commented on the ACS membership satisfaction survey and that overall satisfaction has continued to increase in every survey since the first all-member satisfaction survey in 2004. She said that it can be challenging to give a short answer as to why one should join the ACS; for this reason staff of the ACS Membership and Scientific Advancement Division has provided assistance at the website, [www.acs.org/newmember](http://www.acs.org/newmember). Ms. Jacobs reminded Councilors that every time a member recruits a member through the Member-Get-A-Member Campaign, they'll receive the 2013 Periodic Table of Elements blanket.

#### Reports of Elected Committees

##### Council Policy Committee (CPC)

**Carolyn Ribes**, vice-chair, reported that CPC reviewed and agreed to adopt a series of guidelines for Council special discussions. She said these guidelines are intended to help shape and provide follow-up to those topics presented as special topics of interest to Councilors. Dr. Ribes also reported on CPC's acceptance of a slate of potential candidates developed for the Committee on Nominations and Elections (N&E) for 2014-2016.

Dr. Ribes announced CPC's decision to create three task forces: 1) Joint CPC/N&E task force on election timelines and procedures; 2) a task force to review the Councilor travel reimbursement program; and 3) a joint task force with the Committee on Constitution and Bylaws to offer additional language and guidelines for Councilor behavior in office and satisfactory performance of duties. She reported on several recent committee activities including the New Councilor Pre-Orientation Webinar, the New Councilor orientation, the revision of the Handbook for Councilors, and recently hosted strategy cafes.

#### Committee on Committees (ConC)

**Dawn A. Brooks**, committee chair, reported that the Committee on Committees held its New Chairs Training Conference in January, for eight chairs and their staff liaisons, as part of the ACS Leadership Development Institute. Dr. Brooks said that ConC has begun developing recommendations for 2014 committee chair appointments to be considered by the President-Elect and Chair of the Board of Directors.

Dr. Brooks informed the Council that the newly appointed Committee on Senior Chemists held its inaugural meeting at the New Orleans meeting. She added that ConC voted on a request from the Committee on International Activities to amend its charter, and that ConC will recommend to Council an amendment to its charter at the upcoming fall national meeting. Dr. Brooks reported that performance reviews for the committees on Chemical Abstracts Service, Environmental Improvement and Younger Chemists have been completed and are on the Council agenda for action at this meeting.

5. VOTED, on the recommendation of the Committee on Committees with the concurrence of the Council Policy Committee and subject to the approval of the Board of Directors, that the committees on Chemical Abstracts Service, Environmental Improvement, and Younger Chemists be continued.

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

**William H. (Jack) Breazeale**, committee chair, reported on the results of the morning's elections for President-Elect 2014 (see item 4).

Dr. Breazeale then said that the committee held a very successful Town Hall meeting on April 7, with excellent feedback from the N&E nominees for President-Elect. Dr. Breazeale stated that N&E is responsible for reviewing annually the distribution of member population within the six electoral districts to ensure that the districts have equitable representation. According to Bylaw V, Sec. 4,(a), the year-end member population of each electoral district must be within ten percent of the average number of members residing in each district. He said that the 2012 year-end report shows the Society in compliance due to redistricting two local sections. Dr. Breazeale added that at the Philadelphia meeting, Councilors called for a broader and long-lasting solution to requirements that Board electoral districts have parity in member populations. He shared N&E's revised redistricting proposal, which brings all six election districts to within 400-1,000 members of the mid-point of the permissible range and said that the proposal will be up for vote at the fall meeting.

Dr. Breazeale reported that N&E will be offering a webinar on best practices for election procedures in ACS local sections and divisions on April 30; that N&E will introduce a new format for the fall Town Hall meeting in Indianapolis that features the candidates for Director-at-Large; and that a moderator will be used to facilitate dialogue between the candidates. Dr. Breazeale said that N&E hears and supports the petitioner's intent to shorten the election timelines for President-Elect and the Board of Directors through the Petition to Amend National Election Procedures. However, N&E does not support the petition as presented.

6. An electronic vote to approve the Petition to Amend National Election Procedures FAILED (85% against, 15% in favor).

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

**Pat N. Confalone**, committee chair, reported that despite the sluggish economy, ACS generated favorable operating results in 2012. Total revenue was \$490.7 million - \$6.1 million or 1.3% greater than the approved budget, and 3.9% higher than 2011. The net from Operations was \$20.2 million, or \$4.3 million favorable to budget. This was largely attributable to better-than-expected performance by ACS Publications and CAS, and represents the Society's 9<sup>th</sup> consecutive year of positive operating returns. While operating performance was favorable, unrestricted net assets declined \$1.4 million to \$100.6 million. ACS ended the year in compliance with four of the five Board-established guidelines.

Next, Dr. Confalone presented information on the 2014 fully escalated dues calculation and also a comparison of ACS dues amounts with those of other scientific societies, wherein ACS falls in the middle in terms of cost and will likely remain there in 2014. He said that B&F voted to recommend to the Council that the dues for 2014 be set at the proposed 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 2014 be set at the fully escalated rate of \$154.

Education (SOCED)

**Andrew D. Jorgensen**, committee chair, reported receiving updates on the activities of the ACS President's task force, the Immediate Past President's climate science initiative and Commission on Graduate Education, and the Committee on Professional Training's revisions to the ACS Guidelines and Evaluation Procedures for Bachelor's Degree Programs. Dr. Jorgensen said that SOCED formed a working group to further explore distance education and specifically to address the question posed by CPT, "Are there aspects of distance learning that should be considered by CPT as the ACS Guidelines and Evaluation Procedures are revised?"

Dr. Jorgensen informed the Council of the committee's appointment of a task force to consider the Society's role in implementation of the Next Generation Science Standards (NGSS) and the development of specific programming related to implementation. He said that SOCED received a brief overview of ongoing efforts to create a chemistry teachers association under the ACS umbrella.

Science (ComSci)

**Katherine C. Glasgow**, committee chair, reported that ComSci recently launched a wide-ranging outreach effort to identify new multidisciplinary science frontiers that hold great promise for fostering both innovation and growing opportunities for chemistry-related scientists world-wide. Secondly, she said that ComSci, working with the Office of Public Affairs, is developing a new draft ACS position statement to strengthen forensic science to be forwarded to the ACS Board of Directors for approval. Dr. Glasgow stated that the committee received briefings on the ACS President's Vision 2025 report and updates on the Immediate Past President's initiatives: Climate Science ToolKit and the Commission on Graduate Education.

Special Discussion Item

A special discussion item was put on the Council agenda for this meeting. ACS President Marinda Li Wu presented and moderated a discussion on, "What else should ACS do to help members to thrive in the global chemistry enterprise?" Following the presentation, 29 Councilors engaged in a robust discussion on what the Society currently offers or could offer to help members thrive in the global chemistry community. Some of the comments included the following: provide consistent standards for workplace safety (global policy) and environmental stewardship; focus more on industry jobs; offer a leadership development course on cultural awareness – working abroad; encourage better sharing among technical

divisions – collaborate on career, funding, and entrepreneurial-related programing; employment data should be presented in comparison to other disciplines at different degree levels, since the national unemployment rate includes many without a degree; collaborate with sister organizations and other disciplines to bridge disciplines and countries; and offer a contest for students to make the public perception of chemistry better – such as a YouTube video contest to create viral videos.

#### Reports of Standing Committees

##### Economic and Professional Affairs (CEPA)

**Lisa M. Balbes**, committee chair, reported that the unemployment rate for ACS chemists is 4.2% as of March 2012. However, the unemployment rate for new chemistry graduates measured in August 2012 is down slightly, but still three times greater, at 12.6%. Dr. Balbes said that traditional career paths such as industrial research and academic employment among chemists show weaker demand. She stated that applications are being accepted for the ACS Entrepreneurial Training Program and the ACS Entrepreneurial Resources Center. The application deadline is May 28. Dr. Balbes reported on the ACS Career Fair and Virtual Career Fair, stating that the number of employers at the New Orleans meeting is down slightly from the 2012 fall meeting. She noted that the addition of the virtual component granted access to more than 800 additional job seekers, and 11 additional employers.

Dr. Balbes reminded Councilors that the Academic Professional Guidelines were presented for consideration at the 2012 fall meeting and that they are now ready for action.

8. VOTED, on the recommendation of the Committee on Economic and Professional Affairs, with the concurrence of the Council Policy Committee and subject to the concurrence of the Board of Directors, that the revised Academic Professional Guidelines be approved.

##### Local Section Activities (LSAC)

**Mitchell R.M. Bruce**, committee chair, began his report by recognizing the 100<sup>th</sup> anniversary of the Alabama local section. He thanked the 170 out of 187 local sections that have completed their 2012 annual reports. Dr. Bruce reported that LSAC awarded 21 Innovative Project Grants for a total of \$45,550 and five mini-grants in support of the Science Café initiative in the amount of \$1,225 each. He announced that LSAC will be issuing a call for local section leadership development system proposals in the coming weeks for the limited number of grants available for hosting ACS Leadership Development System courses within the sections.

Dr. Bruce said that LSAC voted to support the joint webinar initiative sponsored by the Younger Chemists Committee and the ACS Member Communities Group/Virtual Content. He then stated that the committee has completed its review and revision of the Local Section Allocation Distribution Formula and that it is ready for Councilor action.

9. VOTED, on the recommendation of the Committee on Local Section Activities, with the concurrence of the Council Policy Committee, to approve a new formula for the distribution of allocations to individual Local Sections beginning in 2014: base allotment (49%); per member allotment (43%), and LSAC program funds (8%).

##### Membership Affairs (MAC)

**Wayne E. Jones**, committee chair, reported that Society membership at the end of 2012 was 163,322 - 893 lower than the total for year-end 2011 despite recruiting 24,943 new members. The net loss occurred primarily in the Regular, full member category. There was continued growth in both the Student Member undergraduate and international categories, which helped mitigate the overall decline in membership. Dr. Jones said that research indicates that the losses in membership reflect a lack of recognition of the value and benefits of ACS membership. He added that MAC is committed to increasing communication of the

benefits and working across governance organizations to increase the value proposition. Dr. Jones announced that MAC is creating new opportunities to enhance both recruitment and retention by initiating a series of five new tests designed to increase membership.

Dr. Jones said that in an effort to retain members in the current economy, MAC will test extending the two-year dues waiver for unemployed members to three years. MAC also voted to allow members to request an automatic renewal of their membership through charges to their credit card for dues payment on an annual basis. Dr. Jones said that MAC authorized ACS staff to test incentives for early renewal. This option is designed to encourage migration to automatic renewals, and acknowledges those members who will still request paper dues notices, providing them the benefit of renewing earlier in the renewal cycle.

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

**Will E. Lynch**, committee chair, reported that M&E accepted 11,232 papers for the spring national meeting and there were 15,566 registrants. The Exposition hosted 415 booths with 274 exhibitors. Dr. Lynch announced that M&E will recommend to B&F an early member registration fee for 2014 national meetings of \$380. He said that the Board of Directors has established a Task Force on Financial Goals for National Meetings and Expositions to review and recommend appropriate methodology for establishing the ACS National Meeting registration fee on an annual basis.

Dr. Lynch reported the committee's receipt of a report on the abstract system replacement project. He said a volunteer advisory group including staff reviewed various abstract collection systems to ensure that the new system will meet all of the programming needs of the Society. The vendor selection process will be completed by the end of June and development of the new system will begin at that time. He reported that the committee has approved a price increase of \$100 for exhibit booth rental space. Dr. Lynch said that in response to exhibitor interest, M&E will evaluate the concept of streaming exhibitor workshops at national meetings to improve market access for the vendors to the presentations. He added that M&E is beginning to use hash tags and landing pages in abstract titles and is investigating a policy related to this issue.

#### Divisional Activities (DAC)

**Michael J. Morello**, committee chair, reported that DAC received a request from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces and Nanomaterials. Six divisions had registered opposition to the proposed name, largely due to the use of the term "nanomaterials." He said that DAC will recommend approval of the name change to Council at the fall meeting. Mr. Morello reported that DAC voted to fund seven Innovative Project Grants (IPG) totaling \$47,500. He added that the committee will consider another set of IPG proposals at the fall meeting and the deadline for submissions is July 1.

Mr. Morello said that DAC is working with the Committee on International Activities to help divisions identify and pursue overseas opportunities that will help them advance their missions. A key first step in this process will be an effort by DAC to develop an inventory of all current division activities that engage chemists outside the US. Mr. Morello announced that the 2014 National Meeting themes have been modified as follows: Spring meeting (Dallas) – *Chemistry and Materials for Energy*; Fall meeting (San Francisco) – *Chemistry and Global Stewardship*.

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

**Harmon B. Abrahamson**, committee chair, reported that in 2012 C&B certified 21 bylaws, which is the second largest number of bylaws certified in one year. Since the beginning of the year, C&B has certified five sets of bylaws. Dr. Abrahamson reminded Councilors that the ACS Governing Documents, known collectively as Bulletin 5, are posted on the ACS website ([www.acs.org/bulletin5](http://www.acs.org/bulletin5)) and have been updated

as of January 1. Since the 2012 fall meeting, C&B has submitted detailed bylaw reviews to seven local sections and two divisions. For bylaws that are in progress, the certification process is not complete until all required information and the vote outcome are sent to C&B, which certifies all unit bylaws on behalf of the Council. Dr. Abrahamson said that new petitions to amend the Constitution or Bylaws must be received by the Executive Director by May 22 to be included in the Council agenda for consideration at the fall meeting. He briefly reviewed information on the proposed changes to the charter bylaws for new International Chemical Sciences Chapters and then sought Council approval.

10. VOTED, on the recommendation of the Committee on Constitution and Bylaws and with the concurrence of the Council Policy Committee, to approve changes to the Charter Bylaws for New International Chemical Sciences Chapters.

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

##### Chemical Safety (CCS)

**Robert H. Hill, Jr.**, committee chair, reported that the committee took first steps in revising the publication, "Safety in Academic Chemistry Laboratories," and that more than 1 million copies have been distributed since its initial publication. He said that on March 1, CCS presented information on creating safety cultures and hazard analysis in research laboratories to chairs of various departments at the University of California. In June, CCS will also present this information to the Association of Public and Land-Grant Universities Council on Research Policy and Graduate Education.

Dr. Hill reported that CCS has discussed with the Graduated Education Advisory Board and the Committee on Corporation Associates opportunities for collaboration to address the safety issues raised in the Advancing Graduate Education in the Chemical Sciences report. One of the report's recommendations focused on the need to adopt best safety practices. Dr. Hill said that the U.S. Chemical Safety and Hazard Investigation Board (CSB) investigated an explosion at Texas Tech University and asked ACS to develop hazard analysis tools for research laboratories. He said that CCS appointed a task force to address this request and their report will be issued in September. Dr. Hill announced plans for a symposium at the fall meeting as an effort to assist CSB and colleagues working in research laboratories. One of the speakers will be the CSB chair.

##### Chemistry and Public Affairs (CCPA)

**Connie J. Murphy**, committee chair, reported that CCPA will organize an advocacy training event at the fall national meeting that will give ACS members the tools and confidence needed to proactively contact their legislators on matters related to improving the business climate and the creation of jobs. Ms. Murphy said that ACS is seeking to understand how science funding agencies such as the Department of Energy, the National Institutes of Health, the National Institute of Standards and Technology, and the National Science Foundation will respond to the impact of mandatory federal budget cuts through sequestration. She continued on this topic by describing an ACS survey to members to determine if and how they are experiencing the impacts of sequestration. So far, nearly 4,000 members have responded to the survey: 43% say they have begun to see an impact; nearly 70% of the respondents employed in government report restrictions on attending conferences and meetings, and 43% report experiencing furloughs.

##### Chemists with Disabilities (CWD)

**Karl S. Booksh**, committee chair, reported that CWD met with the Executive Director/CEO and her Executive Leadership Team last fall to discuss accessibility issues surrounding ACS publications and products. He said those talks have continued with the ACS Web Strategy Office and the Committee on Chemical Abstracts Service. Dr. Booksh said that CWD will conduct a joint session with the Division on Professional Relations on teaching chemistry to students who are blind. In collaboration with the Division of Analytical Chemistry, CWD will conduct a symposium that focuses on the development of

accessible instrumentation for chemical research at the San Francisco meeting. Dr. Booksh reported that CWD is working with the Rochester Institute of Technology/National Technical Institute for the Deaf to update and post a digitized version of CWD's publication, "Teaching Chemistry to Students with Disabilities."

#### Community Activities (CCA)

**George L. Heard**, committee chair, said that the theme, "Our Earth, Handle with Care," was chosen for the 10<sup>th</sup> anniversary of Chemists Celebrate Earth Day (CCED) as an encapsulation of all four recurring themes of water, air, plants/soil, and recycling. Dr. Heard reminded Councilors of the publication, *Celebrating Chemistry*, which contains safety-vetted articles and hands-on activities that are appropriate for fourth to sixth grade students.

Dr. Heard announced that the committee instituted a new award – Local Section Volunteer of the Year. He said that in the first iteration, 44 local sections have recognized outstanding volunteers and they will be featured in an upcoming issue of *Chemical & Engineering News*. Dr. Heard reported on the Presidential Outreach Event, "Exploring Our World Through Chemistry" held at the New Orleans Audubon Zoo. This event included more than 400 members of the public.

#### Ethics

**Gregory Ferrence**, committee chair, reported that the committee has reached out to form and strengthen relationships with other organizations that focus on professional and research ethics including: the Poynter Center for the Study of Ethics and American Institutions, the Association for Practical and Professional Ethics; and the National Center for Professional and Research Ethics. Dr. Ferrence said that materials developed by the Committee on Ethics are now available on the "Ethics Core" website, a National Science Foundation-supported collaborative online resource environment, which includes Ethics and Responsible Conduct of Research resources. He concluded his report stating that at this meeting the committee co-sponsored these symposia; "Ethics Programs in Corporations and Institutions" and "Proposing and Administering a Successful REU Program."

#### International Activities (IAC)

**H.N. Cheng**, committee chair, reported that IAC welcomed the leadership of a large number of partner international societies and received reports of their interests and priorities. He said that the committee recognized the fruitful ACS/PITTCON collaboration, which over the last 18 years has brought delegations of early career analytical chemists from developing nations to annual PITTCON meetings in the U.S. Dr. Cheng said that IAC continues to work with a robust set of strategic thrusts that serve the international priorities of the Society. He reported that IAC received an application to establish an ACS International Chemical Sciences Chapter in Romania. Dr. Cheng added that at its December 2012 meeting, the Board voted in favor of this action and that now the committee seeks Council's support. This would be the second international chapter in Europe - joining four other international chapters in Asia.

11. VOTED, with the concurrence of the Council Policy Committee and the ACS Board of Directors, to approve the establishment of an ACS International Chemical Sciences Chapter in Romania.

#### Minority Affairs (CMA)

**Al Ribes**, committee chair, reported that a key priority of CMA is to increase the impact and visibility of minorities within the Society and profession by sustaining a programmatic presence at ACS meetings. In celebration of its 20<sup>th</sup> anniversary, CMA has organized five symposia for national and regional meetings this year. The two symposia at regional meetings are "The Two-Year College: A Legitimate Pathway to STEM Careers for Underrepresented Minority Students" (Western Regional); and "Minority Serving Institutions and their Role in the STEM Pipeline" (Southeast Regional).

Dr. Ribes shared current statistics on the ACS Scholars Program as follows: 148 confirmed PhDs (including 6 MD/PhDs); 10 confirmed JDs – patent and intellectual property law; 192 current PhD candidates; 511 confirmed to be employed in the chemistry industry; and 585 confirmed to have entered and/or completed advanced degree programs.

#### Professional Training (CPT)

**Anne B. McCoy**, committee chair, reported that CPT evaluated 46 periodic reports from currently approved programs; four reports from programs that were on probationary status; and three site visit reports from schools that are applying for ACS approval. CPT held conferences with eleven departments to start the process of applying for ACS approval. Three new programs were approved, and two institutions were removed from the approved list. The total number of colleges and universities offering ACS-approved bachelor's degree programs in chemistry is now 669.

Dr. McCoy reported that a survey on the impact of the 2008 ACS Guidelines for Bachelor's Degree Programs resulted in a 64% response rate. Those responses were analyzed and used to inform the preliminary discussion of revisions to the requirements for ACS approval. A white paper on the proposed changes to the guidelines was distributed broadly earlier this year. She said that CPT contacted ACS committees, divisions, and chemistry departments to receive their feedback. CPT also held a symposium, "Evolution of the ACS Approval Process: Moving Beyond the 2008 Guidelines." The new guidelines will be released in 2014. Dr. McCoy said that the searchable online database, Directory of Graduate Research (DGR) Web no longer includes faculty publications or student theses, but information on Research Experiences for Undergraduates has been added. The 2013 edition is scheduled for release in September. The DGR is no longer available in print.

#### New Business

##### Resolution

The Council adopted the following resolution:

12. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the Louisiana Local Section, host Section for the 245<sup>th</sup> National Meeting, the sincere appreciation of the Council and the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council conveys special thanks to the division program chairs and symposium organizers responsible for the outstanding technical sessions, as well as to members of the Sections and headquarters staff, for the planning and execution that have assured the success of the 245<sup>th</sup> National Meeting.

There being no further business, the meeting adjourned at 12:03 p.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, 2013:

Mitchell R. M. Bruce	Wayne E. Jones, Jr.
Janet L. Bryant	V. Michael Mautino
Dee Ann Casteel	Jason E. Ritchie
Amber S. Hinkle	Sharon P. Shoemaker
Russell W. Johnson	Ralph A. Wheeler

The Council must elect five individuals. The five candidates receiving the highest numbers of votes will be declared elected for the 2014-2016 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 Desire 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 chemical profession.

Candidates should 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.

Members of ConC must be voting Councilors.

Those members of the Committee of Committees whose terms end on December 31, 2013 are:

Janet Bryant, Business Development & Management (Richland Section)  
Amber S. Hinkle, Greater Houston Section  
V. Michael Mautino, Pittsburgh Section  
Yorke E. Rhodes, New York Section  
Jason E. Ritchie, Ole Miss Section

Yorke E. Rhodes is ineligible for reelection.

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

2012-2014

Spiro Alexandratos, Industrial & Engineering Chemistry (New York Section)  
Judith Currano, Philadelphia Section  
Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida Section  
Sara J. Risch, Agricultural & Food Chemistry (Chicago Section)

2013-2015

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

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**BRUCE, MITCHELL R.M. *Maine Section.*** University of Maine, Orono, Maine.

**Academic Record:** Antioch College, B.S., 1979; Columbia University, M.A., 1981; Ph.D., 1985.

**Honors:** Sigma Xi.

**Professional Positions** (for past ten years): University of Maine, Associate Professor, 1993 to date.

**Service in ACS National Office:** Council Policy Committee, (Nonvoting), 2013; Committee on Planning, 2013; Committee on Local Section Activities, 2010-13, Chair, 2013, Committee Associate, 2006-07; Committee on Project SEED, 1997-05, Chair, 2004-05, Committee Associate, 1996; Committee on Publications, Committee Associate, 1992-94.

**Service in ACS Offices:** Member ACS since 1983. *Maine Section:* Councilor, 1991-2014.

**Member:** National Association for Research in Science Teaching. *ACS Division:* Inorganic Chemistry.

**Related Activities:** University of North Carolina, Postdoc Fellow, 1985-87; Charles F. Kettering Laboratory, Research Associate, 1977-80; University of Maine, Assistant Professor, 1987-93; Founding member, University of Maine, Research in STEM Education (RiSE) Center (since 2003); published over 55 journal articles and three patents.

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**BRYANT, JANET L. *Division of Business Development & Management (Richland Section).*** Pacific Northwest National Laboratory (PNNL), Richland, Washington.

**Academic Record:** Elmhurst College, B.S. with Honor, Chemistry 1980; University of Washington Foster School of Business, MBA Organizational Development, 1987.

**Honors:** ACS Fellow 2011; U.S. DOE National Award for Pollution Prevention Outreach, 2000; Battelle Key Contribution Awards, 1997 & 1999; Battelle-PNNL Woman of Achievement, 1995; U.S. DOE Federal Laboratory Consortium Award for Excellence in Technology Transfer, 1993; Phi Kappa Phi Scholarship Honorary, 1978; Omicron Delta Kappa Leadership Honorary, 1978.

**Professional Positions** (for past ten years): Pacific Northwest National Laboratory (operated by Battelle Memorial Institute for the U.S. Department of Energy) 1980 to date; Senior Research Scientist/Engineer IV, 1995 to date.

**Service in ACS National Office:** Committee on Committees, 2011-13; Women Chemists Committee, 2002-10, Chair, 2010, Secretary, 2000-02, Committee Associate, 1999-01, Newsletter Editor, 2000-02, Webmaster, 2003-09, Communications & Programming Subcommittee Chair 2005-09; ACS Presidential Task Force, Awards 2010-12; ACS Presidential Task Force, Women Chemists of Color 2010-11.

**Service in ACS Offices:** Member ACS since 1997. *Business Development & Management Division:* Councilor, 2009-14; Past-Chair, 2009-10; Chair, 2008; Chair-Elect, 2007; Program Chair, 2003-06; Alternate Councilor, 2004-06; Awards Committee Chair, 2007-13; *Professional Relations:* Member-at-Large, 2011-14. *Richland Section:* Past-Chair 2004, Chair, 2003, Chair-Elect, 2002; Earth Day Committee Chair/CCED Coordinator, 2004-13; NOR Board of Directors Representative, 2007-13; Bylaws Committee Chair, 2013. *Northwest Region Board, Inc.:* NOR Board Awards Committee Chair, 2008-13. *Chemical Entrepreneurship Council:* Chair, 2012-13.

**Member:** Chemistry International IUPAC. *ACS Divisions:* Business Development & Management; Chemical Education; Industrial and Engineering Chemistry; Nuclear Chemistry; Organic Chemistry; and Professional Relations.

**Related Activities:** International Council on System Engineering (INCOSE), Tri-Cities Chapter Founding Member; Association for Women in Science (AWIS); Women Helping Women Fund Tri-Cities, WA; Women in Nuclear; ACS Student Affiliate & Officer, 1976-80; Alpha Phi, Charter Member Zeta Xi Chapter & PanHellenic Chair 1980.

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**CASTEEL, DEE ANN** *Susquehanna Valley Section.* Bucknell University, Lewisburg, Pennsylvania.

**Academic Record:** Coe College, B. Music, 1979; University of Illinois, Ph.D., 1985.

**Honors:** Phi Beta Kappa; Sigma Xi.

**Professional Positions** (for past ten years): Bucknell University, Associate Dean, 2008 to date, Associate Professor, 1998 to date, Assistant Professor, 1994-98.

**Service in ACS National Offices:** Committee on Constitution and Bylaws, Committee Associate, 2013; Council Policy Committee, (Nonvoting), 2012; Committee on Meetings and Expositions, 2006-12, Chair, 2012, Chair-Elect, 2011, Subcommittee Chair 2009-2011, Committee Associate, 2005-06; Women Chemists Committee, 1989-97, Committee Associate, 1988.

**Service in ACS Offices:** Member ACS since 1982. *Susquehanna Valley Section:* Councilor, 2010-14, Alternate Councilor, 1998-03, Past Chair 1997, Chair, 1996, Chair-Elect, 1995, Executive Committee, 1995 to date.

**Member:** *ACS Divisions:* Organic Chemistry; and Medicinal Chemistry.

**Related Activities:** Task Force on National Meetings, Chair, 2013; Sustainability Stakeholders Steering Group, 2009-11; Editor *Women Chemists*, newsletter of the WCC, 1994-97, Task Force on the 70<sup>th</sup> Anniversary of the WCC Video Chair, 1997; Local Section Mentoring Program Task Force, 1996-97; Editorial Board, *Reaction Times*, 1995-98; University of Iowa, College of Pharmacy, Assistant Professor, 1987-94; Brown University Postdoctoral Fellow, 1985-87.

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**HINKLE, AMBER S.** *Greater Houston Section.* Director HSEQ, Bayer Material Science, Baytown, Texas.

**Academic Record:** University of Utah, B.S., 1990; University of Washington, M.S., 1992; Ph.D., 1995.

**Honors:** ACS Fellow 2012; ACS Salute to Excellence, Nashville Local Section for Contributions to Women in the Chemical Sciences, February 2009; Award for Excellence in Manufacturing from the Manufacturing Institute 2013; Fourteen Bayer Special Recognition Awards from 1998-2009 for Outstanding Contributions to the Business; Bayer 2009 Science and Technology Award for Improved Product Performance.

**Professional Positions** (for past ten years): Director HSEQ for Bayer Baytown Site, 2010 to date; Lab Manager and Quality Lead for Polycarbonate Manufacturing, 2003-12; Bayer Material Science, Lab Manager for Polycarbonate Quality Laboratory, 2000-03; Additional responsibilities as Baytown Site Change Management Team Lead, 2009-10.

**Service in ACS National Office:** Committee on Committees, 2011-13; Community Activities, 2010, Committee Associate, 2009; Women Chemists Committee, 2001-08, Chair, 2006-08, Committee Associate, 1997-2000; Leadership Advisory Board, Co-Chair, 2009 to date; Facilitator for two Society Leadership Courses, 2008 to date; ACS Presidential Task Force on Women in the Chemical Profession.

**Service in ACS Offices:** Member ACS since 1993. *Greater Houston Section:* Councilor, 2010-15, Alternate Councilor, 2008-09, Director, 2007-08. *St. Joseph Valley Section:* Chair 1997 (partial), Chair-Elect, 1996.

**Member:** Association for Change Management Professionals. *ACS Division:* Chemical Health and Safety.

**Related Activities:** Member Review Board for Chemical Sciences Programs at East Texas Technical College; Editor of Book *Successful Women in Chemistry*, Oxford and ACS, 2005; chaired over 15 Symposia at ACS National Meetings; given over 20 talks at ACS National Meetings; Speaker at 2010 Prosci Global Change Management Conference; facilitated over 20 leadership courses for ACS at local and national level; organized annual strategic planning sessions for Greater Houston Local Section 2008-12; spoke at University of Washington on Careers in Chemistry, 2007; Member of Planning Board for Council for Chemical Research 2008, National Meeting; perform community outreach with annual chemistry demonstrations for students in the Barbers Hill Independent School District, Mont Belvieu, TX; one; 10 journal publications and 1 patent for sensor technology.

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**JOHNSON, RUSSELL W. *Chicago Section.*** Honeywell International, Des Plaines, Illinois.

**Academic Record:** University of Minnesota, B.S., 1970; University of Colorado, Ph.D., 1974.

**Honors:** ACS Fellow, 2010; Distinguished Service Award, Chicago Section, ACS, 2010; Heroes of Chemistry Award, ACS, 1997; Honored as a Honeywell Corporate Fellow (one of 7 for 20,000+ scientists & engineers); Northwestern University (PLU) Marple-Schweitzer Memorial Lecture, 2005.

**Professional Positions** (for past ten years): Honeywell, Corporation, Fellow and Chief Scientist, 1997 to date.

**Service in ACS National Offices:** Committee on Chemistry and Public Affairs, 2011-13; Committee on Public Relations and Communications, 2004-09, Chair, 2008-09, Committee Associate, 2002-03.

**Service in ACS Offices:** Member ACS since 1972. *Chicago Section:* Councilor, 2000-13, Alternate Councilor, 1979-81, 1985, 1988-90, Chair, 2005, 1988-89, Vice-Chair, 2001-02, Director, 1982-85, 2007 to date, Program Chair, 1981-82, Public Relations Chair and Public Relations & New Technology Enhancement Committee, Chair 2002 to date, National Affairs Chair 2006, 1989-90. *Great Lakes Regional Meeting:* Great Lakes Regional Meeting, 2006-09, Co-General Chair 2009. *Division of Petroleum Chemistry:* Chair, 1987.

**Related Activities:** Advisory Committee for FAA Center of Excellence Airliner Cabin Environment Research (ACER) Center of Excellence 2007 to date, Chair 2010 to date; Northwestern University Institute for Catalysis in Energy Processes (ICEP) External Advisory Board; Industry, industry-government, and industry-university research in petroleum & chemical, emission control, demilitarization, defense, space, and aviation sectors has led to 60 U.S. patents. Interaction with international government-industry teams to demilitarize energetic and chemical materials in an environmentally-safe manner (Hero of Chemistry 1997).

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**JONES, WAYNE E., JR. *Binghamton Section.*** State University of New York - Binghamton, Binghamton, New York.

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

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

**Professional Positions (for past ten years):** Binghamton University, Interim Dean of Arts and Sciences, 2012-13, Professor, 2006 to date, Associate Professor, 1999-2006; Deputy to the President, 2001-06; Director, Center for Learning and Teaching, 1996-2009; University of Pennsylvania, Visiting Professor, 2000; Assistant Professor, 1993-99.

**Service in ACS National Office:** Committee on Membership Affairs, 2010-13, Chair, 2011-13, Program Review Advisory Group, 2010-12; Council Policy Committee, ex officio (Nonvoting), 2008; Committee on Local Section Activities, 2003-09, Chair, 2008-09; Board Committee on Planning, (Nonvoting), 2008.

**Service in ACS Offices:** Member ACS since 1989. *Binghamton Section:* Councilor, 1997-13, Chair, 2001, Chair-Elect, 2000. *Northeast Regional Meeting Board:* Treasurer, 2007-13. *34th Northeastern Regional Meeting:* Chair, 2005-06.

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

**Related Activities:** Graduate Program Director, 2006-09; Director, Go Green Institute, 2008; Undergraduate Program Chair, 1996-2001; SUNY Faculty Access to Computing Technology Advisory Committee, 2001-06; Guest Editor, special issue of *Journal of Educational Technology Systems*, 2005-08; Education Director, Center for Advanced Microelectronics Manufacturing, 2006-09; Science Olympiad Volunteer, 1996-2009; Science Olympiad PR Chair, 2005-09; Chemistry Olympiad Coordinator, 1995-98. Author of over 100 publications and book chapters, 2 patents, approximately 145 invited lectures, and organizer/co-organizer of 7 national and international symposia in Inorganic Chemistry, Polymer Chemistry, and Chemical Education.

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**MAUTINO, V. MICHAEL *Pittsburgh Section.*** Bayer MaterialScience, LLC, Pittsburgh, Pennsylvania.

**Academic Record:** University of Phoenix, B.S., 2004.

**Honors:** Salutes to Excellence Award, Committee on Community Activities, 2004, 2007, ACS Division of Chemical Technicians, 2009; Special Recognition Award, ACS Division of Chemical Technicians, 2005; Technician of the Year, Western Pennsylvania Technician Affiliate Group, 1999; Special Recognition Award, Western Pennsylvania Technician Affiliate Group, 1999.

**Professional Positions** (for past ten years): Bayer MaterialScience LLC, Product Analyst, 2012 to date; Marketing Representative, 2006-12; Senior Research and Development Specialist, 2004-05; Research and Development Specialist, 2001-03.

**Service in ACS National Offices:** Committee on Committees, 2010-12; Committee on Technician Affairs, 2003-09, Chair, 2007-09, Committee Associate, 2000-02; Membership Affairs Committee, Committee Associate, 2008-09; Innovation Task Force, Chair, 2009; Committee on Community Activities, 2004-06, Chair, 2004-06; Program Review Advisory Group, 2006; Editorial Board, *JobSpectrum.com*, 2002; National Chemistry Week Task Force, 2001-03.

**Service in ACS Offices:** Member ACS since 1996. *Pittsburgh Section:* Councilor, 2003-14; Alternate Councilor, 2001-02; National Chemistry Week Coordinator, 1999 to date; Chemists Celebrate Earth Day Coordinator, 2003 to date; Central Regional Meeting Planning Committee, 2002-03; Nominations and Elections Committee, 1999; Technician Affiliate Group, 1996-2009, Chair, 2007-09, 1997-98; Technician Affiliate Group Recognition Committee, Chair, 1996, 2004. *Division of Chemical Technicians:* Chair, 2002; Chair-Elect, 2001; Membership Committee, Chair, 2007-09; Nominations and Elections Committee, Chair, 2001; Strategic Planning Committee, Chair, 2001.

**Member:** ACS Technician Affiliate Groups: Western Pennsylvania TAG, 1996-09, Mid-Michigan Technician Affiliate Group, 2002-09.

**Related Activities:** Advisory Board, Governor's Institute of Physical Science Education, 2002; Bayer Association for Science in Communities, 1996 to date; holds two patents in polyurethane chemistry.

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**RITCHIE, JASON E. *Ole Miss Section.*** The University of Mississippi, Oxford, Mississippi.

**Academic Record:** University of California, San Diego, B.S., 1994; University of Texas, Austin, Ph.D., 1998.

**Honors:** Electrochemical Society, Department of Energy Summer Research Fellow, 1998; Cora Lee Graham Award for Outstanding Teaching of Freshmen, The University of Mississippi, 2007; SEC-Academic Consortium Academic Leadership Development Program, Fellow, The University of Mississippi 2010-11.

**Professional Positions** (for past ten years): University of Mississippi, Assistant Dean for Undergraduate Research, 2012 to date, Associate Professor, 2006 to date, Assistant Professor, 2000-06; University of North Carolina, Postdoc Research Associate, 1998-2000.

**Service in ACS National Office:** Committee on Committees, 2013; Leadership Advisory Board, Associate, 2013, Committee on Membership Affairs, 2006-12; Committee Associate, 2005; Younger Chemists Committee, 2002-07, Committee Associate, 2000-01; ACS Board Oversight Group on Leadership Development, Pipeline Implementation Team, 2005-10.

**Service in ACS Offices:** Member ACS since 1997. *Ole Miss Section:* Councilor, 2002-13. *North Carolina Section:* Career Program Liaison, 1998; Younger Chemists Committee, Chair 1998.

**Member:** Alpha Chi Sigma; Electrochemical Society.

**Related Activities:** Membership Affairs Committee, Categories & Dues Subcommittee, Chair 2009-12, Vice-Chair 2008; Facilitated two Leadership Development classes in the ACS Leadership Development System: Coaching and Feedback, and Collaboration Across Boundaries, 2009 to date; Committee on Chemistry and Public Affairs, YCC Liaison, 2001-06; ACS Science and Technology Congressional Visits Day in Washington, DC 2001-03; Chair, Scientific Review Committee, Mississippi Region VII Science Fair, 2006-09 and 2011-13; University of Mississippi Innovations in STEM Education Initiative, Chair, Innovative Teaching & Learning Working Group, 2012-13; University of Mississippi Faculty Senate, Vice-President 2009-10, Chair, General Academic Affairs Committee 2008-09; University of Mississippi Intercollegiate Athletics Committee, Chair, Academic Subcommittee 2007-13.

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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; 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 signatory 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; UC Davis Energy Institute, Associate Director, 2009 to date; Chair, Scientific Advisory Board, DOE BioEnergy Science Center (Oak Ridge) 2007 to date; Cranberry Marketing Committee, USDA Public Member, 2003-06; University of California, Davis, Site Director, National Science Foundation Center for Advanced Processing and Packaging Studies, 1994-04; University of California, Berkeley Forest Products Laboratory, Research Leader Biochemistry Processing, 1995-03; Zhejiang University, Hangzhou, China, Visiting Professor, 2003 to date; Jiangnan University, Wuxi, China, Guest Lecturer, 2002 to date; Fuzhou University, China, Visiting Professor, 1995 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, 1999-15; 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.

**Member:** Institute of Food Technology; Society of Industrial Microbiology. *ACS Divisions:* Agricultural and Food Chemistry; Biochemical Technology; Carbohydrate Chemistry; Cellulose, Paper and Textile and Environmental Chemistry.

**Related Activities:** Institute of Food Technology, Liaison to ACS, 1996 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 to date, President, 2002-04; Rotary International, 1998 to date; Genenco International, Staff Science, 1985-91.

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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, OK, 2003-10.

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

**Service in ACS Offices:** Member ACS since 1982. *Division of Computers in Chemistry:* Councilor, 2009-14, Past-Chair, 2008, Chair, 2007, Chair-Elect, 2006, Alternate Councilor, 2004-06, Program Chair, 2000-04.

**Member:** *ACS Divisions:* Computers in Chemistry and Physical Chemistry.

**Related Activities:** Committee on Science, Awards Subcommittee, 2011-12, Policy Subcommittee, 2013; Editor, Annual Reports in Computational Chemistry, 2008-13, 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.

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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:

Harmon B. Abrahamson	Martha G. Hollomon
Arindam Bose	Paul J. Smith
Judith H. Cohen	Ellen B. Stechel
Alan M. Ehrlich	Angela K. Wilson

The Council must elect four individuals: The four candidates receiving the highest numbers of votes will be declared elected for the 2014-2016 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;
- 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.

Members of CPC must be voting Councilors.

Those members of the Council Policy Committee whose terms end on December 31, 2013, are as follows:

Alan M. Ehrlich, Chemistry & the Law (Chemical Society of Washington Section)  
Mary Virginia Orna, History of Chemistry (New York Section)  
Dorothy Phillips, Northeastern Section  
Ellen Stechel, Physical Chemistry (Central New Mexico Section)

Mary Virginia Orna and Dorothy Phillips are ineligible for reelection.

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

2012- 2014  
Lawrence Barton, St. Louis Section  
Peter C. Jurs, Computers in Chemistry (Central Pennsylvania Section)  
Mamie W. Moy, Greater Houston Section  
Eleanor D. Siebert, Southern California Section

2013 - 2015

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

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**ABRAHAMSON, HARMON B.** *Red River Valley Section.* University of North Dakota, Grand Forks, North Dakota.

**Academic Record:** University of Minnesota, B. Chem., 1974; Massachusetts Institute of Technology, Ph.D., 1978.

**Honors:** Tau Beta Pi; Phi Lambda Upsilon; NSF Predoctoral Fellow, 1975-78; Sigma Xi; National Merit Scholar, University of Minnesota, 1970-74.

**Professional Positions** (for past ten years): University of North Dakota, Professor 1995 to date, Associate Dean Arts & Sciences, 2011 to date, Department Chair, 1996-03; Associate Professor, 1988-95; Assistant Professor, 1984-88.

**Service in ACS National Offices:** Council Policy Committee, (Nonvoting), 2011-13; Committee on Constitution and Bylaws, 2008-13, Chair, 2011-13, Chair-Designate, 2010, Secretary, 2010, Committee Associate, 2006-07; Committee on Minority Affairs, 2003-10, Committee Associate, 2001-02.

**Service in ACS Offices:** Member ACS since 1975. *Red River Valley Section:* Councilor, 2000-15, Alternate Councilor, 1998-99, Chair, 1989, Program Chair, Chair-Elect and Chair, 1988, Recording Secretary, 1987. *Great Lakes Regional Meeting:* Secretary, 2001-09, Program Chair, 2000.

**Member:** Tau Beta Pi; Sigma Xi, President, University of North Dakota chapter, 1994-95; Inter-American Photochemical Society; Council of Colleges of Arts and Sciences. *ACS Division:* Inorganic Chemistry.

**Related Activities:** Ohio State University, Visiting Associate Professor, 1991-92; University of Oklahoma, Assistant Professor, 1978-84; 39 publications; 41 presentations.

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**BOSE, ARINDAM** *Division of Biochemical Technology (Connecticut Valley Section).* Pfizer Worldwide R&D, Groton, Connecticut.

**Academic Record:** Indian Institute of Technology - Kanpur, Bachelor in Chemical Engineering, 1975; University of Michigan, M.S. (Ch.E.), 1976; Purdue University, Ph.D., 1980.

**Honors:** ACS Fellow, 2009; James Van Lanen Award, Division of Biochemical Technology, ACS, 1992; Outstanding Chemical Engineer Award, Purdue University, 2005; Pfizer R&D Achievement Awards, USA and UK, 2000; Pfizer Central Research Achievement Award, 1992; Phi Lambda Upsilon; Sigma Xi; Tau Beta Pi.

**Professional Positions** (past ten years): Pfizer Worldwide R&D, Vice President, BioTherapeutics External Affairs and Strategy, 2010 to date; Executive Director, Strategy and External Influencing, 2003-09; Director, Biologics, 2000-03.

**Service in ACS National Offices:** Committee on Meetings and Expositions, Committee Associate, 2013; Committee on Budget & Finance, 2004-12; Divisional Activities Committee, 2002-04; Committee on Meetings and Expositions, 1996-01, Committee Associate, 1995; Advisory Board, ACS Lab Guide, 1995-99; Advisory Board, ACS Books, 1992-95; Advisory Board, ACS Biotech Buyers' Guide, 1989-94.

**Service in ACS Offices:** Member ACS since 1978. *Division of Biochemical Technology:* Councilor, 1995-15; Secretary-Treasurer, 1986-94; Peterson Award Committee, Chair, 1983-85.

**Member:** American Institute of Chemical Engineers; Society for Biological Engineering. *ACS Division:* Biochemical Technology.

**Related Activities:** International Federation of Pharmaceutical Manufacturers and Associations (IFPMA), Biologics & Vaccines Committees, 2007 to date; Recovery of Biological Products Conference Series, Governing Board, 1998 to date; Society for Biological Engineering, Advisory Board, 2004 to date; Purdue University, Industrial Advisory Board, Department of Chemical Engineering, 2005 to date; Pharmaceutical Research and Manufacturers of America (PhRMA), Biologics and Biotechnology Leadership Committee, Secretary, 2004-05, Vice-Chair, 2006-07, Chair, 2008-09; Cell Culture Engineering Conference Series, Advisory Board, 2001-03; 9th International Biotechnology Symposium, Secretary-Treasurer, 1992; Co-Editor of "*Harnessing Biotechnology for the 21st Century*," ACS Conference Proceedings Series, 1992.

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**COHEN, JUDITH H. Philadelphia Section.** Particle Sciences, Bethlehem, Pennsylvania.

**Academic Record:** University of Delaware, B.S., 1990.

**Honors:** ACS Fellow, 2010; Johnson & Johnson Volunteer Grant Recipient 2012; Technical Achievement in Organic Chemistry Award, Organic Division, ACS, 1998; Cordis Team Excellence, Award CYPHER Select + 2006; Cordis Team Excellence Award, Drug Content Loss Investigation, 2005; Cordis Team Excellence, Award WLI Event 2005; Johnson & Johnson Achievement Award - RWJ-270201 Synthesis Team, 1999; Johnson & Johnson Achievement Award, Azaline B Team 1997; Johnson & Johnson Vice-President Research Award for Outstanding Technical Achievement, 1994.

**Professional Positions (for past ten years):** Particle Sciences, Associate Director Quality Assurance 2013 to date; Cordis Corporation, Research Fellow 2011-13; Principle Scientist, 2006-10, Staff Scientist R&D, 2004-06; Johnson & Johnson Pharmaceutical Research & Development, LLC Drug Evaluation Chemistry & Pharmaceutical Development, 2002-04; R.W. Johnson Pharmaceutical Research Institute, Senior Associate, Scientist, New Product Research, 2000-02; Associate Scientist, Chemical Development Worldwide, 1997-99.

**Service in ACS National Offices:** Women Chemists Committee, 2009-14, Chair, 2012-13.

**Service in ACS Offices:** Member ACS since 1990. *Philadelphia Section:* Councilor, 2008-13.

**Member:** IUPAC; American Women In Science.

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**EHRlich, ALAN M.** *Division of Chemistry and the Law* (Chemical Society of Washington Section).  
Of Counsel to Stein IP, LLC, Washington, DC.

**Academic Record:** State University of New York at Buffalo, B.A., cum laude, 1963; Massachusetts Institute of Technology, S.M., 1965; Ph.D., 1968; Georgia State University, M.B.A., 1972; George Washington University, J.D., 1991.

**Honors:** ACS Fellow, 2011; Roger Middlekauff Award, ACS Division of Chemistry and the Law, 2008; Environmental Protection Agency (EPA): Silver Medal for Superior Service, 2002; Bronze Medals for Commendable Service, 1996, 1997, 2001, 2004; George Washington University Law School: Who's Who Among American Law Students, 1989-91; Dean's Fellow, 1990-91; Moot Court Board, 1989-91 (Judge's Chair, 1990-91); George Washington American Inns of Court, 1989; Consumer Product Safety Commission: Chairman's Special Citations, 1977; Distinguished Safety Glazing Award, 1975; Malanos Prize for Academic Excellence, 1972; Beta Gamma Sigma, 1972; Sigma Xi, 1966; National Science Foundation, Summer Science Fellow, 1965; Phi Eta Sigma, 1960.

**Professional Positions** (for past ten years): Of Counsel, Stein IP, LLC, 2006 to date; Of Counsel, Weiss & Moy, PC, 2005-06; EPA Office of General Counsel, 1991-04; Patent Counsel, 1995-04; Attorney/Patent Attorney, 1991-95.

**Service in ACS National Offices:** Council Policy Committee (voting), 2011-13, ex officio (non-voting), 2009-10; Committee on Constitution and Bylaws, 2004-10, Chair 2009-10; Committee on Patents and Related Matters, 1993-06, Consultant, 2004-06, Chair, 2000-02; Associate Member, 1993-99; Committee on Science, 2007-09.

**Service in ACS Offices:** ACS Member since 1964. *Division of Chemistry and the Law:* Councilor, 2002-13; Immediate Past-Chair, 2001; Chair, 2000; Chair-Elect, 1999; Regulatory Affairs Committee Chair, 1997-98. *Chemical Society of Washington:* Board of Managers, 2012-13.

**Member:** *Professional Societies in Law:* American Bar Association and its Intellectual Property Law Section; District of Columbia Bar Association and its Intellectual Property Law Section; Maryland State Bar Association; American Intellectual Property Law Association; Government Intellectual Property Law Association (President, 1999-2000, President-Elect, 1998-99). *ACS Divisions:* Business Development and Management; Chemistry and the Law; Professional Relations; and Small Chemical Businesses.

**Related Activities:** Organizer or Co-organizer, 7 ACS Symposia from 1999-07; 2 Government Intellectual Property Law Association Symposia, 1999-2000; George Washington University: Associate Professorial Lecturer in Law, 1992-97 (teaching Seminar in Law, Science and Technology); Environmental Scientist/Physical Scientist, government agencies, 1973-91; Industrial laboratory scientist, 1967-73. *Prior member ACS Divisions:* Environmental Chemistry, Petroleum Chemistry, Nuclear Chemistry & Technology (charter member). ACS Student Affiliate, 1961-63. Over 100 publications and presentations.

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**HOLLOMON, MARTHA G.** *Delaware Section.* Widener University, Chester, Pennsylvania.

**Academic Record:** Virginia Tech, B.S., Chemistry 1983; North Carolina State University, M.S., Textile Chemistry 1993, Ph.D., Organic Chemistry 1998.

**Honors:** Tillmans-Skolnik Award, Delaware Section ACS, 2000; Phi Lambda Upsilon; Professional Development Award, Research Triangle Institute, RTP, NC, 1990.

**Professional Positions** (for past ten years): Widener University, Adjunct Assistant Professor, 2009 to date; Delaware Technical and Community College, Adjunct Instructor, 2012 to date; Hercules Incorporated, Senior Staff Scientist, 2001-09, Senior Research Chemist, 1998-01.

**Service in ACS National Office:** Committee on Meetings and Expositions, 2013-14, Committee Associate, 2011-12; Committee on Local Section Activities, 2005-10, Committee Associate, 2004; Committee on Public Relations and Communications, LSAC Liaison, 2006-10; ACS Board-Presidential Task Force on Society Services and Associated Dues Pricing Models 2010.

**Service in ACS Offices:** Member ACS since 1984. *Delaware Section:* Councilor, 2004-15, Immediate Past Chair 2003, Chair, 2002, Chair-Elect, 2001. *Middle Atlantic Regional Board:* Chair, 2012 to date, Secretary, 2007-11; 41<sup>st</sup> Middle Atlantic Regional Meeting, Wilmington, DE, General Chair, 2010.

**Member:** Delaware Academy of Chemical Sciences, 2006 to date, Secretary 2009 to date; Alpha Chi Sigma, Gamma Omicron. *ACS Divisions:* Organic Chemistry; and Polymer Chemistry.

**Related Activities:** Sustainability Engagement Event (SEE) Participant 2010; North Carolina University, Graduate, Research Assistant, 1993-98, Graduate Teaching Assistant, 1994-97; Research Triangle Institute, Chemist III.

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**SMITH, PAUL J. *Maryland Section.*** University of Maryland, Baltimore County, Baltimore, Maryland.

**Academic Record:** SUNY College at Brockport, B.S., 1988; University of Pittsburgh, Ph.D., 1993.

**Honors:** NIH Postdoctoral Fellow 1993-95; National Science Foundation Career Grant Awardee, 2000-04.

**Professional Positions** (for past ten years): University of Maryland, Baltimore County (UMBC), Department of Chemistry and Biochemistry, Associate Professor 2001 to date.

**Service in ACS National Offices:** Admissions Committee, 2004-10, Chair, 2010; Committee on Membership Affairs, 2010-13.

**Service in ACS Offices:** Member ACS since 1992. *Maryland Section:* Councilor, 2011-13, Alternate Councilor, 2006-09, Chair, 2004, Vice-Chair, 2003. *Middle Atlantic Regional Meeting:* General Chair, 2012.

**Member:** *ACS Division:* Organic Chemistry.

**Related Activities:** UMBC Undergraduate Program Director for Chemistry, 2010 to date; UMBC Associate Chair, 2013.

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**STECHEL, ELLEN B. *Division of Physical Chemistry (Central New Mexico).*** Arizona State University, Tempe, Arizona.

**Academic Record:** Oberlin College, A.B., 1974; University of Chicago, M.S., 1976, Ph.D., 1978.

**Honors:** ACS Fellow, 2011; Keynote Speaker ASME Energy Sustainability 2013; Sandia's Inaugural Entrepreneurial Spirit Award 2009; Sylvia Stoesser Lecturer at the University of Illinois Urbana-Champaign, 2009.

**Professional Positions** (for past ten years): Arizona State University, Deputy Director, LightWorks, Professor of Practice, Department of Chemistry and Biochemistry, Senior Sustainability Scientist,

Global Institute on Sustainability 2012 to date; Sandia National Laboratories, 2005-11; Program Managing Director, Sunshine to Petrol, Manager, Concentrated Solar Technologies Department and the Department of Energy's National Solar Thermal Test Facility 2011, Manager Emerging Energy Technologies and the Climate Measurement Facility on the North Slope of Alaska 2008-10, Manager in Energy and Infrastructure Futures 2006-08, on contract to Department of Homeland Security, Science and Technology Directorate, Office of Research and Development, Technology Transition Champion, 2005-06; Ford Motor Company 1998-05, North America Engineering, Manager, Emissions Compliance Engineering, 2002-05; Product Creation, Technical and Program Manager, New Low Emissions Technology Deployment, 2001-02; Ford Research Laboratory, Manager, Chemistry and Environmental Science, 1999-01.

**Service in ACS National Offices:** Council Policy Committee, 2013; Committee on Nominations and Elections, 2007-12, 2005; Committee on Science, Division Representative, 2000-08, Committee Associate, 1998-99; Committee on Chemical Abstracts Service, 2003-04, Committee Associate, 2002; Senior Editor, *Journal of Physical Chemistry*, 1998-2000.

**Service in ACS Offices:** Member ACS since 1994. *Division of Physical Chemistry:* Councilor, 2001-15; Past Chair, 1999; Chair, 1998; Chair-Elect and Program Chair, 1997; Vice-Chair, 1996; Vice-Chair-Elect, 1995.

**Member:** American Physical Society; American Association for the Advancement of Science. *ACS Division:* Physical Chemistry.

**Related Activities:** Elected Executive Committee Member, Topical Group on Energy Research and Applications, American Physical Society; Elected Executive Committee Member, Division of Computational Physics, American Physical Society. Voting member of the US National Committee for IUPAC.

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**WILSON, ANGELA K. Dallas-Ft. Worth Section.** University of North Texas, Denton, Texas.

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

**Honors:** ACS, Fellow, 2010; American Association for the Advancement of Science, Fellow, 2012; University of North Texas: 2013 Leadership Award, 2012 (*inaugural*) Distinguished Research Lecturer, 2011 Research Leadership Award, 2009 Research-Scholar Award, 2009 Toulouse Scholars Award; Quantum Systems in Chemistry and Physics Promising Scientist Award of Centre de Mécanique Ondulatoire Appliquée, 2010; National Associate of the National Academies, 2008; The 2006 Eastern Washington University Alumni Achievement Award; Wiley International Journal of Quantum Chemistry Young Investigator Award, 2004; NSF CAREER Award, 2003; NSF POWRE Award, 1999; Sigma Xi.

**Professional Positions (for past 10 years):** University of North Texas, Regents Professor, 2011 to date, Assistant Chair, 2009 to date; Co-Director of the UNT Center for Advanced Scientific Computing and Modeling, 2005 to date; Professor, 2009-11, Associate Professor, 2005-09, Assistant Professor, 2000-05; Visiting Research Scholar, University of Sydney, Australia, 2003; Oak Ridge National Laboratory, Visiting Research Scientist, 2003, 2004.

**Service in ACS National Offices:** Committee on Nominations and Elections: 2009-2013, Vice-Chair, 2013, Secretary, 2011-12; Committee on Science: 2007-09, Committee Associate, 2005-06. Editorial Advisory Board, *Journal of Physical Chemistry*, 2010-12.

**Service in ACS Offices:** Member ACS since 1990. *Dallas-Fort Worth Section:* Councilor, 2004-14, Alternate Councilor, 2003-04. *Oklahoma Section:* Chair-Elect, 2000. *Division of Physical Chemistry:* Executive Committee Member, 2010 to date.

**Member:** U.S. National Committee for International Union of Pure and Applied Chemistry (IUPAC): 2007 to date, Vice-Chair, 2012 to date; IUPAC Division of Physical and Biophysical Chemistry: Titular Member, 2010 to date, Secretary, 2012 to date, Associate Member, 2006-09; American Physical Society, Division of Computational Physics: Member-at-Large, 2008-11, Nominating Committee Chair, 2012; IUPAC General Assembly: U.S. Delegate, 2009, 2011, Young Observer, 2003, 2005. *ACS Divisions:* Physical Chemistry, Computers in Chemistry.

**Related Activities:** Pacific Northwest National Laboratory, Environmental Molecular Sciences Laboratory User Advisory Board: Member, 2007 to date, Chair, 2013 to date; *International Journal of Quantum Chemistry*, Editorial Advisory Board, 2011 to date; *Computational and Theoretical Chemistry*, Editorial Advisory Board, 2011 to date; Special Issue Guest Editor: *Theoretical Chemistry Accounts*, 2013; *Computational and Theoretical Chemistry*, 2012, *Journal of Physical Chemistry A*, 2008; ACS Symposium Organizer: National: 2002, 2003, 2012(two), 2014, Regional: 2004; International Scientific Advisory Board, 2011 IUPAC Congress; Organizer, Southwest Regional Theoretical Chemistry Conference, 2010; Texas Higher Education Coordinating Board's Committee on Advanced Research Programs, 2012 to date; U.S. Chair of the 2006 Chinese-American Frontiers of Science Program, National Academies; W.M. Keck Foundation, Futures of Science Panel, 2006; EPA, Science Advisory Program Consultant, 2003-04; edited two books; published 110+ journal articles.

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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:

Lisa M. Balbes	Catherine E. Costello
Jeannette E. Brown	Lissa Dulany
Martha L. Casey	Kevin J. Edgar
Dwight W. Chasar	Paul W. Jagodzinski
D. Richard Cobb	Robert A. Pribush

The Council must elect five individuals: The five candidates receiving the highest numbers of votes will be declared elected for the 2014-20165 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 AM 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.

Members of N&E must be voting Councilors.

Those members of the Committee on Nominations and Elections whose terms end on December 31, 2013, are as follows:

Jeannette E. Brown, North Jersey Section  
Martha L. Casey, Wisconsin Section  
D. Richard Cobb, Rochester Section  
Lissa Dulany, Georgia Section  
Angela K. Wilson, Dallas-Fort Worth Section

Angela K. Wilson is ineligible for reelection.

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

2012-2014

W.H. (Jack) Breazeale, Jr., South Carolina Section  
Catherine C. Fenselau, Analytical Chemistry (Chemical Society of Washington Section)  
Lydia E.M. Hines, Kalamazoo Section  
Anne T. O’Brien, New York Section  
Andrea B. Twiss-Brooks, Chemical Information (Chicago Section)



2013-2015

Cherlynlavaugh Bradley, Chicago Section  
Milagros Delgado, South Florida Section  
Carol B. Libby, Lehigh Valley Section  
Les McQuire, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section

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**BALBES, LISA M. *St. Louis Section.*** Balbes Consultants LLC, Kirkwood, Missouri.

**Academic Record:** Washington University, B.A., 1985; University of North Carolina, Ph.D., 1989.

**Honors:** ACS E. Ann Nalley Midwest Regional Award for Volunteer Service 2012; Best Local Section Career Program, ChemLuminary Award, ACS, 2011, 2004; Salute to Excellence, Outstanding Service As Webmaven, St. Louis Section, ACS, 1996-04; Presidential Outstanding Service Award, St. Louis Section Society for Technical Communication, 2002-03; Service Award, St. Louis Web Developers Organization 2001; Fellow, Royal Society of Chemistry .

**Professional Positions** (for past ten years): Balbes Consultants LLC, Technical Writer/Editor and Consultant, 1992 to date.

**Service in ACS National Offices:** Council Policy Committee, (Nonvoting), 2011-13; Committee on Economic and Professional Affairs, 2008-13, Chair, 2011-13, Chair-Elect, 2010, Committee Associate, 2007.

**Service in ACS Offices:** Member ACS since 1986. *St. Louis Section:* Councilor, 2010-15, Treasurer, 2005-06, Alternate Councilor, 2004-06, Chair, 2002, Chair-Elect, 2001; Career Resource Coordinator 2003 to date; Scout Clinic Chair 2004 to date. *Joint Midwest/Great Lakes Regional Meeting:* Exhibits Co-Chair, 2011. *Chemical Information Division:* Chair, Career Committee, 2006-08. *Computers in Chemistry Division:* WebMaven, 2000-08. *Professional Relations Division:* Newsletter Editor, 2007 to date. *Columbus Section:* Public Relations Chair 1993-94, Nominating Committee Chair 1994, National Chemistry Week Committee 1992-95.

**Member:** Royal Society of Chemistry; American Medical Writers Association; Author's Guild; Society for Technical Communication. *ACS Divisions:* Business Development & Management; Chemistry & the Law; Professional Relations; and Small Chemical Businesses.

**Related Activities:** ACS Career Consultant, 1992 to date; Greater St Louis Area Council BSA STEM/Nova Committee Chair, 2012 to date; Research Triangle Institute, North Carolina, Research Associate, 1990-92, Postdoc Computational Chemistry, 1989-90; University of North Carolina, Chapel Hill, Research Assistant, 1985-89. Published book "Nontraditional Careers for Chemists" (Oxford University Press, 2006) and over 100 articles, and presented over 110 invited talks (US, Canada, and Scotland) on career development for scientists since 2007.

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**BROWN, JEANNETTE E. *North Jersey Section.*** (Retired) Merck Research Laboratories, Hillsborough, New Jersey.

**Academic Record:** Hunter College, B.A., 1956; University of Minnesota, M.S., 1958.

**Honors:** ACS Fellow 2009; North Jersey Section, ACS, Harvey Russell Award for Support to Chemistry Teachers 2006; ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences 2005; Women Chemist Committee, ACS, Regional Award for Diversity, 2002; Metro Women Chemist Award for Mentoring 2010; Glenn E. and Barbara Hodsdon Ulliyot, Scholar 2008; Who's Who in Science & Engineering 2008-09; African American National Biography Oxford U Press 2008; AWIS Fellow 2007; Outstanding Chemistry Alumni Hunter College 2006; Outstanding Alumni Award University Of Minnesota 2005; Who's Who in America 2004; Société de Chimie Industrielle (American Section) Fellowship 2004; Merck & Company, Inc., Management Award, 1992; Hunter College Hall of Fame, 1991; Association for Women in Science - Metropolitan New York Chapter Award, Outstanding Woman Scientist, 1990; Iota Sigma Pi.

**Professional Positions** (for past ten years): Sister Chemists LLC Speaker and Consultant 2011 to date; Retired, Merck Research Laboratories, 1997 to date; Research Chemist, 1969-97.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2011-13, 2001-03; Council Policy Committee (Voting), 1995-00; Committee on Education, Committee Associate, 2003-05; Committee on Local Section Activities, 1989-94; Committee on Project SEED, 1983-90, Chair, 1986-88, Committee Associate, 1982; Women Chemists Committee, 1983-85, Consultant, 2008-10, Committee Associate, 1982; Subcommittee on Nominations 1997-00; Task Force on Size of Council 1996-97; Canvassing Committee, Garvan Medal, 1983-85; Woman Chemist Committee, Consultant, 2008-10, Committee on Minority Affairs 2009-10, Joint Subcommittee on Diversity 2009-10.

**Service in ACS Offices:** Member ACS since 1956. *North Jersey Section:* Councilor, 1982-13; Chair, 1990; Chair-Elect, 1989; Communications Chair, 1997-00; Assistant Webmaster, 1998-00; North Jersey Section Speakers Bureau, Publicity Committee, Chair, 1997-02; Minority Affairs Coordinating Committee, Acting Chair, 1996 to date; Safety Committee Chair, 1990; Nominating Committee Chair, 1990; Planning Committee Chair, 1989; National Chemistry Week Committee Chair, 1989; Baekeland Award Committee Chair, 1982-83; Coordinator, New York/New Jersey Metro Women's Committee, 1980-81.

**Member:** American Association for the Advancement of Science; National Organization for the Professional Advancement of Black Chemists and Chemical Engineers; New York Academy of Science; Women in Science Committee; National Network of Minority Women in Science; Association for Women in Science; New Jersey Science Teachers Association; New Jersey Science Education Association; National Science Writers Association; Oral History Association; Iota Sigma Pi (lifetime member). *ACS Divisions:* Chemical Education; Chemistry and the Law; History of Chemistry and Professional Relations.

**Related Activities:** Speakers Bureau; New Jersey Institute of Technology, Faculty Associate, Pre-College Programs, 1994-97; Dreyfus Oral History Project, University of Iowa, 2002; National Science Foundation Committee on Equal Opportunities in Science and Engineering, (appointed) 1991-98; Regional Director, New Jersey Statewide Systemic Initiative, 1997-02; ACS Career Consultant, 1992 to date; Merck Management Committee for Black University Liaison, 1992-94; Lehman College, CUNY, MBRS/MARC Advisory Board, 1991 to date; Women in Science Videotape, School of Dentistry, University of Michigan, 1981; NSF Visiting Women in Science Program, 1979; CIBA Pharmaceutical Incorporated, Junior Chemist, 1958-69; co-author of eight papers; three patents and two marketed drugs; Outstanding Woman in Somerset County (NJ) for Volunteerism 2010; Author "African American Women Chemists" Published by Oxford University Press 2011; Sponsor NJACS Freddie and Ada Brown Award for Minority High School and Middle School Students.

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**CASEY, MARTHA L. *Wisconsin Section.*** University of Wisconsin, Madison, Wisconsin.

**Academic Record:** Bryn Mawr College, A.B., 1964; Massachusetts Institute of Technology Ph.D., 1968.

**Honors:** Harry and Carol Mosher Award, Santa Clara Section of ACS, 2013; ACS Fellow 2012; Sigma Xi; National Institute of Health Predoctoral Fellow, 1965-68.

**Professional Positions** (for past ten years): University of Wisconsin, Madison, Assistant Vice-Chancellor Emerita, 2003 to date; Assistant Vice Chancellor for Academic Planning and Analysis 1996-03; Assistant Director, Office of Budget, Planning, and Analysis, 1978-96.

**Service in ACS National Offices:** Committee on Nominations & Elections, 2011-13; Council Policy Committee, 2003-10; Committee on Budget and Finance, Committee Associate, 2006-08; 2001-02; Committee on Economic and Professional Affairs, 2001-02, Committee Associate, 1999-00; Women Chemists Committee, Consultant, 2004-06; Committee Associate, 1995-96, 1986-87; Committee on Membership Affairs, 1986-87, Committee Associate, 1986; James Flack Norris Award Canvassing Committee, 2001-04.

**Service in ACS Offices:** Member ACS since 1966. *Wisconsin Section:* Councilor, 1985-14; Alternate Councilors, 1982-84; Chair, 1980; Chair-Elect, 1979; Secretary-Treasurer, 1975; Nominations Committee, 1986 to date.

**Member:** *ACS Divisions:* History of Chemistry and Professional Relations.

**Related Activities:** Lecturer and researcher in Department of Chemistry and School of Pharmacy, University of Wisconsin-Madison, 1968-78; Published papers in *Journal of the American Chemical Society* (and other ACS journals) on synthesis of prostaglandins, linearity of the *Bronsted Free Energy Relationship*, NMR of rifamycins and others. Represented the University of Wisconsin-Madison in National Higher Education Groups such as the American Association of Universities Data Exchange; Director-at-Large, Wisconsin Alumni Association, 1995-01; President, University Club Guild, 1987-99; Member, Madison Downtown Rotary, 1995 to date; present or past service on board of directors of many other civic and university groups.

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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; 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 since 1965. *Cleveland Section:* Councilor, 1987-13; 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, 1989-2013; Morley Award Jury, 1986-91; Nominating Committee Chair, 1983; Budget Committee, 1979-80. *Central Regional Meeting:* Program Co-Chair, 1985. *Rubber Division:* 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 patents.

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**COBB, D. RICHARD** *Rochester Section.* Retired, Eastman Kodak Company, Rochester, New York.

**Honors:** Northeast Region, ACS Volunteer Award, 2006; Special Recognition Award, ACS Division of Chemical Technicians, 2005, 2002; ACS Rochester Section Award, 2005, 2001; ACS Rochester Section, "Salutes to Excellence" Award, 2004.

**Professional Positions** (for past ten years): Retired, Eastman Kodak Company, Senior Research Associate, 1969-2011.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2011-13; Council Policy Committee (Non-voting), 2008-10; Committee on Membership Affairs, 2008-11, Chair, 2008-10, Committee Associate, 2007; Board of Trustees, Group Insurance Plans, 2008-10, ex officio, 2008-09; Committee on Admissions, 2002-07, Consultant, 2008, Chair, 2003-05, Committee Associate, 2000-01; Committee on Technician Affairs, 1998-03, Chair, 2000-02, Committee Associate, 1997; ACS Governance Review Taskforce, 2005; Board Oversight Group on Leadership Development, 2005.

**Service in ACS Offices:** Member ACS since 1994. *Rochester Section:* Councilor, 2008-13 1999-03; Chair, 2007, Chair-Elect, 2006; Secretary, 2005; Alternate Councilor, 2004, 1998-99; Treasurer, 1995-97. *Division of Chemical Technicians:* Councilor, 2007-09, Chair, 1997; Chair-Elect, 1996; Membership Committee, Chair, 1998. *Northeast Regional Board of Directors:* Vice Chair, 2007 to date. *Northeast Regional Meeting:* General Chair, 2004.

**Member:** *ACS Division:* Business Development & Management (BMGT).

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**COSTELLO, CATHERINE E.** *Northeastern Section.* Boston University, Boston, Massachusetts.

**Academic Record:** Emmanuel College, A.B., 1964; Georgetown University, M.S., 1967, Ph.D. 1970; Massachusetts Institute of Technology, Postdoctoral Fellow, 1970-73.

**Honors:** ACS Fellow, 2011; ACS Field and Franklin Award, 2010; International Mass Spectrometry Foundation Thomson Medal, 2009; ACS Northeastern Section Henry A. Hill Award, 2000; Human Proteome Organization Award for Discoveries in Proteomics, 2008; Visiting Professor, Zhongshan University, Guangzhou, PRC, 1985.

**Professional Positions** (for past ten years): Boston University, School of Medicine, Professor of Biochemistry and Biophysics, Founding Director, Mass Spectrometry Resource, Founding Director, Cardiovascular Proteomics Center, 2002 to date, Adjunct Professor of Chemistry, 2008 to date.

**Service in ACS National Offices:** Committee on Ethics, 2006-13; Division Action Team, 2007; Committee on International Activities, 1997-05, Chair, 2004-05, Committee Associate, 1995-96, 1992-93; Disciplinary Task Force, 2005; Committee on Constitution and Bylaws, 1994-99.

**Service in ACS Offices:** Member ACS since 1964. *Northeastern Section:* Councilor, 1989-15; Chair-elect, 2013; Alternate Councilor, 1986-88; Committee on Constitution and Bylaws, 1997 to date, Chair, 1997 to date; Finance Committee, 2002-03; Publications Committee, 1988-93, Chair, 1993, 1990; Nominations Committee, 2011, 2005, 1992, 1987, 1982-83.

**Member:** American Society for Mass Spectrometry; American Association for the Advancement of Science; Human Proteome Organization; IUPAC; Society for Glycobiology; US-Human Proteome Organization Board; Human Glycoproteomics Initiative, Board, 2004-date. *ACS Divisions:* Analytical Chemistry; Carbohydrate Chemistry; Medicinal Chemistry; and Organic Chemistry.

**Related Activities:** Human Proteome Organization, President, 2011-12; Senior Vice President, 2009-10, Board, 2004-08; American Society for Mass Spectrometry, Immediate Past President, 2005-06, President, 2002-04, Vice President for Programs, 2000-02, Vice President for Arrangements, 1985-87; US Human Proteome Organization Board, 2004-date; IUPAC, US National Committee, 2003-09; Society for Glycobiology, Nominating Committee, 2002, Executive Board, 1998-2000; Boston Glycobiology Discussion Group, co-President, 1992 to date; National Institutes of Health: Physiological Chemistry Study Section, 1993-97, Biomedical Research Technology Study Section, 1986-89, Chair, 1989; ACS Tour Speaker, 1974-92; *Mass Spectrometry Reviews*, Editorial Board; *Rapid Communications in Mass Spectrometry*, Editorial Board; *European Journal of Mass Spectrometry*, Editorial Board; *Mass Spectrometriya*, Editorial Board; *Amyloid: International Journal of Protein Folding Disorder*, Editorial Board; *Molecular and Cellular Proteomics, Editorial Board*, 2006-11; *Analytical Chemistry*, Editorial Board, 2005-07; *Analytical Biochemistry*, Associate Editor, 1999-2002; member several advisory committees for academic and research laboratories in US, Puerto Rico, Canada and Sweden; author or co-author of about 300 scientific papers, frequent invited lecturer at national and international meetings.

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**DULANY, LISSA (M. A.) Georgia Section.** MADesign, Inc., Atlanta, Georgia.

**Academic Record:** University of Virginia, B.A., 1977; Emory University, Ph.D., 1985.

**Honors:** ACS Fellow, 2011; Georgia Section, ACS Outstanding Service Award, 1999; Community Associations Institute Georgia Chapter *Going Green Award*, 2008; Georgia-Pacific Chemical Division Vice President's Award, 1988; Emory University Woodruff Fellow, 1982-85; Phi Beta Kappa, 1977.

**Professional Positions (for past ten years):** Boresha International, Distributor, 2012 to date; MADesign, Inc., President, 2005 to date; Positive Community Association Management, Inc., President/CEO/COO, 2006-12; UCB Chemicals, Surface Specialties, Americas Packaging Films Technical Service & Development 2003-05; Powder Coatings R&D Manager, 2001-03; Industrial Coatings, Technical Services & Applications Manager, 1998-01.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2011-13; Committee on Committees, 2005-10; Committee on Science, 2004-06; Committee on Divisional Activities, 1998-03; Women Chemists Committee, 1993-01, Committee Associate, 1991-92, Consultant, 2002; Presidential Task Force to Plan the Millennial ACS Meeting in San Francisco, 1998-2000; Canvassing Committee, Garvan-Olin Medal, 1993-01.

**Service in ACS Offices:** Member ACS since 1983. *Georgia Section:* Councilor, 1997-14; Alternate Councilor, 1994-96; Chair, 1992; Chair-Elect, 1991; Georgia Section *Filter Press*, Editor/Managing Editor, 2005-12; Herty75 Committee, 2009; Herty Award Committee, 1998-08, Chair, 1998-99; Founding member of *Georgia Section Women Chemists Discussion Group*, 1986 to date. *Division of Polymeric Materials: Science & Engineering:* Regional Meeting Coordinator, 2003-05.

**Member:** Lions Club International. *ACS Division:* Business Development and Management.

**Related Activities:** Co-Chair of Inaugural ACC/WCC Golf Benefit, 2003-04; Chair, Women at the Forefront of Chemistry [Presidential] Symposium, Boston, 2002; Liaison Women Chemists Committee to SOCED (1995-97); Chemistry Advisory Board, Kennesaw State University, 1994-98; Georgia-Pacific Corporation, Group Leader, 1992-98; published 9 journal articles, 1 encyclopedia chapter; 4 US patents in organic polymers.

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**EDGAR, KEVIN J. *Division of Cellulose and Renewable Materials (Blue Ridge Section).*** Virginia Tech, Blacksburg, Virginia.

**Honors:** ACS Fellow, 2010; Fellow, Division of Cellulose and Renewable Materials, 2011; Business Builders Award, Eastman Chemical Company, 2004.

**Academic Record:** Bucknell University, B.S. Chemistry, 1975; Duke University, Ph.D. Organic Chemistry, 1979.

**Professional Positions (for past ten years):** Virginia Tech, Professor of Biomaterials 2007 to date; Adjunct Professor, Chemistry, 2008 to date; Eastman Chemical Company, Technology Fellow and Technology Manager, 1979-2007.

**Service in ACS National Offices:** Committee on Meetings and Expositions, Committee Associate, 2013; Committee on Nominations and Elections, 2010-12; Chair, Task Force on Electronic Distribution of Meeting Content, 2011; Council Policy Committee, (Nonvoting), 2007-09; Committee on Divisional Activities, 2004-09, Chair, 2007-09, Chair-Elect, 2006; Society Committee on Education, Committee Associate, 1998-01; Committee on Chemical Safety, 1999-02, Committee Associate, 1998; Board Committee on Planning, (Nonvoting), 2007-09; Program Review Advisory Group, 2008; Multidisciplinary Program Planning Group, 2008-09.

**Service in ACS Offices:** Member ACS since 1976. *Cellulose and Renewable Materials Division:* Councilor, 2008-23, Chair, 2003-04, Chair-Elect, 2002, Program Chair 2000-02. *Northeast Tennessee Section:* Councilor, 1997-07, Chair, 1988-89, Chair-Elect and Program Chair, 1987-88. *Southeast Regional Meeting:* Program co-chair, 1993.

**Member:** American Association of Pharmaceutical Scientists (AAPS); American Association for the Advancement of Science (AAAS). *ACS Divisions:* Carbohydrates and Cellulose and Renewable Materials.

**Related Activities:** Associate Editor, *Cellulose*; Associate Editor, *Carbohydrate Polymers*. Founder of Gordon Conference on Chemistry of Polysaccharides, semiannual Gordon Conference rotated between North America, Europe, and Asia. Published 52 journal articles, wrote 3 book chapters, edited 2 books, and holds 19 US patents in organic chemistry, polysaccharide chemistry, and drug delivery.

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**JAGODZINSKI, PAUL W. *Division of Physical Chemistry (Central Arizona Section).*** Northern Arizona University, Flagstaff, Arizona.

**Academic Record:** Polytechnic Institute of Brooklyn, B.S., 1973; Texas A&M University, Ph.D., 1979.

**Honors:** ACS Fellow, 2011; Colorado School of Mines, Alumni Association Graduate Faculty Award, 2007, Asian Student Association Outstanding Faculty Award, 2007, Minority Engineering Program Faculty Commitment Award, 2004, Outstanding Graduate Faculty Award, 2004; West Virginia University, University Safety Award, 2000, Outstanding Faculty Award, 1998; Phi Lambda Upsilon.

**Professional Positions** (for past ten years): Northern Arizona University, Professor and Dean, 2009 to date; Colorado School of Mines, Professor, 2001-09, Department of Chemistry & Geochemistry Head, 2001-06.

**Service in ACS National Offices:** Committee on Budget and Finance, 2004-13, Committee Associate, 2002-03; Committee on Meetings and Expositions, 1999-01, Consultant, 2001-06, Committee Associate, 1998; ACS Presidential Task Force on Support to Divisions & Local Sections, 2000; Women Chemists Committee, 1989-91, Committee Associate, 1988.

**Service in ACS Offices:** Member ACS since 1977. *Physical Chemistry Division:* Councilor, 2008-13. *Colorado Section:* Alternate Councilor, 2005-07, Chair, 2003, Chair-Elect, 2002. *Northern West Virginia Section:* Councilor, 1986-01, Nominating Committee Chair, 1985-86, Chair, 1984-85, Chair-Elect, 1983-84.

**Member:** American Society for Engineering Education; Council of Colleges of Arts & Sciences. *ACS Divisions:* Physical Chemistry and Geochemistry.

**Related Activities:** Program Portfolio Management Oversight Group, 2013 to date; Program Review Team Chair, 2013 to date; ACS Budget & Finance Committee: Task Force on Financial Goals for Meeting & Expositions, 2013 to date; Subcommittee on Financial Impact of Constitutional Amendments, 2006-10, Chair 2007-10; Advisory Subcommittee, 2007 to date; Subcommittee on Program Funding Requests, 2002-06; Task Force on National Meeting Finances, 2002-03; Program Review Advisory Group, 2006 to date, Chair 2010-13. Council for Chemical Research Communication and Public Relations Committee, 1997-00, Chair 1999-00; West Virginia University, Professor, 1999-01, Department Chair, 1990-01, Associate Professor, 1988-99, Associate Chair, 1988-90, Assistant Professor, 1982-88; University of Texas at Austin, Research Associate, 1988; Eastern Michigan University, Assistant Professor, 1981-82; University of Oregon, Postdoctoral Fellow, 1979-81.

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**PRIBUSH, ROBERT A. *Indiana Section.*** Butler University, Indianapolis, Indiana.

**Academic Record:** University of Delaware, B.S., 1968; University of Massachusetts, Ph.D., 1972.

**Honors:** Indiana Section Service Award, 2013; Indiana Section Salute to Excellence Award, 2012; Phi Kappa Phi, Chapter President, 1989-98; Lilly Foundation Open Faculty Fellow, 1992; Holcomb Research Institute Fellow, 1983.

**Professional Positions** (for past ten years): Butler University, Professor, 1986 to date; Department Head, 1999-01.

**Service in ACS National Offices:** Committee on Meetings and Expositions, Committee Associate 2012-13; Committee on Nominations and Elections, 2009-11; Council Policy Committee, 2005; Committee on Publications, 2008-10, Committee Associate, 2006-07; Committee on Membership Affairs, 2004-05, 1993-96, Committee Associate, 2003, 1992; Committee on Economic and Professional Affairs, 1997-02; Board of Trustees, Group Insurance Plans for ACS Members, ex-officio, 1993-96; Younger Chemists Committee, 1976-81; Chair, 1978-80; Professional Programs Planning and Coordinating Committee (PROPPACC), 1978-80; Program Review Advisory Group, 2006; Advisory Board, Office of Cooperative Education, 1978-86; SCIQUEST Task Force, 1980-82.

**Service in ACS Offices:** Member ACS since 1969. *Indiana Section:* Councilor 1991-13; Alternate Councilor, 1982-90; Chair, 1980; Chair-Elect, 1979; Education Committee, 1986-92, 1982, 1975-79, 2009 to date, Chair, 1986-92, 1979, 2009 to date; Program Committee Chair, 1982, 1977; Executive Committee, 1976 to date; *Indianapolis National Meeting* Lead Team, 2012 to date. *Central Regional Meeting:* Symposium Chair, 2011; Program Chair, 2004. *Joint Central-Great Lakes Regional Meeting:* Symposium Chair, 1991. *Division of Chemical Education:* Examinations Institute, General Chemistry Laboratory Assessment Exam, 2009-12; Diagnostic Test of Undergraduate Chemical Knowledge Exam Committee, Chair, 2006; Inorganic Chemistry Exam Committee, 2000; Chair, 2000-02; General Chemistry Exam Committee, 1991-96; Chair, 1994-96; *ChemEd* 83 Advisory Board, Chair 1981-83.

**Member:** Indiana Science Olympiad; National Science Teachers Association; Indiana Academy of Science; Indiana Alliance of Chemistry Teachers. *ACS Division:* Chemical Education.

**Related Activities:** Indiana Science Olympiad Board of Directors, 1993-2010, Treasurer, 1999-10, Regional Director 1993 to date; Holcomb Research Institute Biotic Resources, Program Associate, 1985-90; University of Southern California, Postdoctoral Fellow, 1972-74; Wolf Technical Services, Technical Consultant/Expert Witness, 1977 to date; Butler University, Acting Associate Dean of Liberal Arts and Sciences, 1990-92; Associate Professor, 1979-86; Assistant Professor, 1974-79; textbook and textbook supplement consulting editor and author.

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## REQUEST FOR SUGGESTIONS FOR 2015 ELECTED COMMITTEES

### A Reminder

At the Council meeting in Indianapolis, Indiana, Councilors will elect members to the Committee on Committees, Council Policy Committee, and Committee on Nominations and Elections to fill 2014-2016 terms. The process to select nominees for 2015-2017 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, 2014, and the list of the other members of these committees. Names of individuals suggested for nomination should be inserted on the form on pages **41-42**. This form may be left on the registration table as you leave the Council meeting or emailed to the Chair of the Committee: Dr. William H. (Jack) Breazeale, Jr., nomelect@acs.org.

### COMMITTEE ON COMMITTEES

Members of the Committee on Committees (ConC) whose terms end on December 31, 2014, are:

Spiro Alexandratos, Industrial & Engineering Chemistry (New York Section)  
Judith Currano, Philadelphia Section  
Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida Section  
Sara J. Risch, Agricultural & Food Chemistry (Chicago Section)

Sara J. Risch is ineligible for reelection.

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

#### Term ending December 31, 2015

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

#### Term ending December 31, 2013

Janet Bryant, Business Development & Management (Richland Section)  
Amber S. Hinkle, Greater Houston Section  
V. Michael Mautino, Pittsburgh Section  
Yorke E. Rhodes, New York Section  
Jason E. Ritchie, Ole Miss Section

ConC nominees for 2014-2016 terms are listed in the agenda for the Council meeting in Indianapolis, Indiana under "Election to Committee on Committees." Names of those elected will be announced at that meeting. Yorke Rhodes is ineligible for reelection.

### **COUNCIL POLICY COMMITTEE**

Members of the Council Policy Committee whose terms end on December 31, 2014, are as follows:

Lawrence Barton, St. Louis Section  
Peter C. Jurs, Computers in Chemistry (Central Pennsylvania Section)  
Mamie W. Moy, Greater Houston Section  
Eleanor D. Siebert, Southern California Section

Mamie W. Moy and Eleanor D. Siebert are ineligible for reelection.

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

#### 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

#### Term ending December 31, 2013

Alan M. Ehrlich, Chemistry & the Law (Chemical Society of Washington Section)  
Mary Virginia Orna, History of Chemistry (New York Section)  
Dorothy Phillips, Northeastern Section  
Ellen Stechel, Physical Chemistry (Central New Mexico Section)

CPC nominees for the 2014-2016 term are listed in the agenda for the Council meeting in Indianapolis, Indiana under "Election to Council Policy Committee." Names of those elected will be announced at that meeting. Mary Virginia Orna and Dorothy Phillips are 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, 2014, are as follows:

W.H. (Jack) Breazeale, Jr., South Carolina Section  
Catherine C. Fenselau, Analytical Chemistry (Chemical Society of Washington Section)  
Lydia E.M. Hines, Kalamazoo Section  
Anne T. O'Brien, New York Section  
Andrea B. Twiss-Brooks, Chemical Information (Chicago Section)

W.H. (Jack) Breazeale, Jr., Catherine C. Fenselau, and Andrea B. Twiss-Brooks are ineligible for reelection.

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

Term ending December 31, 2015

Cherlynlavaugh Bradley, Chicago Section  
Milagros Delgado, South Florida Section  
Carol B. Libby, Lehigh Valley Section  
Les McQuire, North Jersey Section  
Donivan R. Porterfield, Central New Mexico Section

Term ending December 31, 2013

Jeannette E. Brown, North Jersey Section  
Martha L. Casey, Wisconsin Section  
D. Richard Cobb, Rochester Section  
Lissa Dulany, Georgia Section  
Angela K. Wilson, Dallas-Fort Worth Section

N&E nominees for the 2014-2016 term are listed in the Council agenda for the Council meeting in Indianapolis, Indiana, under "Election to Committee on Nominations and Elections." Names of those elected will be announced at that meeting. Angela K. Wilson is ineligible for reelection.

Dr. William H. (Jack) Breazeale, Jr.,  
nomelect@acs.org

Dear Dr. Breazeale:

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)

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

COUNCIL POLICY COMMITTEE (Councilors only)

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

COMMITTEE ON NOMINATIONS AND ELECTIONS (Councilors only)

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

Name \_\_\_\_\_ Name \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

Affiliation \_\_\_\_\_ Affiliation \_\_\_\_\_

Sincerely,

\_\_\_\_\_

(name)

\_\_\_\_\_

(address)

\_\_\_\_\_

\_\_\_\_\_

(local section or division)

(This form must be received by Dr. Breazeale no later than October 31, 2013.)

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 April 10, 2013, meeting of the Council for selection of candidates for 2014 President-Elect. Also reported are the results of mail ballots (March 12, 2013) for the selection of candidates for Director from District II and for Director from District IV for 2014-2016 terms. Nominees selected as the candidates are identified by an asterisk.

2014 PRESIDENT-ELECT

*G. Bryan Balazs	230
*Charles E. Kolb, Jr.	194
Carolyn Ribes	192
Diane Grob Schmidt	191

DIRECTOR, DISTRICT II

*George M. Bodner	33
Jed F. Fisher	5
*Alan A. Hazari	27
Robert A. Pribush	25

DIRECTOR, DISTRICT IV

John P. Fackler	17
*Rigoberto Hernandez	32
*Larry K. Krannich	50
John A. Whittle	13

Interim Election for the Committee on Committees

**Christopher J. Bannochie	138
Arindam Bose	120
David J. Lohse	136
**Jason E. Ritchie	136

\* Individuals nominated

\*\* Individuals Elected – tie broken with coin toss

## REPORT OF THE PRESIDENT

My Fellow Councilors,

Since we last met in New Orleans, I've been working tirelessly as ACS President visiting our members to hear their concerns both here in the U.S. and abroad. I believe in all of us being *Partners for Progress and Prosperity* and find this message resonates wherever I go.

Since my last report to you, the Presidential Task Force on *Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise* has made lots of progress. At the ACS National Meeting in New Orleans, Task Force representatives met with 27 committees, technical divisions, and other stakeholders to discuss how they could best support implementation of the presidential Task Force recommendations. These recommendations are to:

1. Better educate ACS members about the critical elements necessary for success in a **broad spectrum of career paths.**
2. Strengthen ACS efforts to **support entrepreneurship.**
3. Engage and equip members with **enhanced advocacy tools and training** so that they can proactively contact their legislators to improve the business climate and aid job creation.
4. Explore with U.S. and global stakeholders the **supply and demand of chemists/jobs** to bring them to a better equilibrium.
5. **Collaborate with others, including chemical societies around the world** regarding public communication, education, advocacy, chemical employment, and other topics of mutual interest.
6. Provide information, resources, advice, and assistance to ACS members interested in **global job opportunities.**
7. Expand ACS **support for chemists and chemistry communities worldwide.**

Following the New Orleans National Meeting and our discussions with stakeholders, the task force has refined its thinking, and developed specific requests for the various stakeholder groups to move forward. The final report of the presidential task force will be published in an ACS Symposium Series along with highlights of the presentations from the presidential symposia in New Orleans. Thought leaders from academia, industry, and government along with 11 presidents of chemical societies from Europe, Asia, Africa, and the United States joined with those who have achieved success in today's global environment as speakers at the symposia.

I also hosted two Global Collaboration Roundtable discussions for U.S. and international speakers, where we discussed common interests and brainstormed various ideas. One of the ideas that came out of Roundtable discussions and our last Council discussion topic on "What else should ACS do to help members to thrive in the global chemistry enterprise?" was to work together on a global YouTube video contest that will communicate chemistry's vital role in addressing the world's challenges to the public. I am happy to report that this contest has been launched by the ACS Offices of Public Affairs, International Activities, and the ACS Office of the President working in collaboration with C&EN to celebrate their 90<sup>th</sup> anniversary.

This You Tube global video contest encourages students and chemists to submit short videos that might capture the public's attention and we hope "go viral." For more details on the contest, please visit <http://cen.acs.org/everydaychemistry.html>. The winner will be announced in the August 26<sup>th</sup> issue of C&EN.

At the national meeting in Indianapolis with a theme of "Chemistry in Motion" promises many exciting events and programs. I know the Indianapolis local section has been hard at work for a long time. Get in gear to drive at the famous Indy racetrack for a great public outreach event on Sunday, September 8! Join the ACS Board of Directors on Sunday, September 8 at its Regular Session as they host a lunchtime discussion with Alan Alda, actor, writer, director and science advocate who will present "Helping the

Public Get Beyond a Blind Date with Science.” Immediately following, I’m also sponsoring a presidential symposium honoring the 90<sup>th</sup> Birthday of Dr. Carl Djerassi—Chemist, Author, Poet, and Provocateur from 1:30 pm-3:30 pm. Both events are at Indiana Convention Center and are free and open to all registrations.

Also coming up at the ACS National Meeting in Indianapolis, September 8-12, there will be several stimulating and informative Presidential symposia and events which I hope you will make time to attend. *Does your career need a jump start?* During the *Career Advancement Opportunities* symposium on Monday, September 9, we will feature successful role models from a variety of career paths who will share their personal experiences and tips on how to follow different paths, all starting as a chemist. In the *Innovation and Entrepreneurship* symposium on Tuesday, September 10, various speakers will describe how chemistry innovation can be promoted and how new businesses can be started. We will also hear an update on the ACS Entrepreneurial Initiative.

To help celebrate the 20<sup>th</sup> anniversary of the Committee on Minority Affairs (CMA), I am excited to cosponsor as ACS President an informative diversity symposium called “The Impact of Diversity and Inclusion” on Sept. 8-10 sponsored by CMA. This will highlight and bring awareness of various diversity partners from the ACS Diversity & Inclusion Advisory Board.

Supporting one of my other important presidential initiatives, the Committee on Chemistry and Public Affairs (CCPA) is organizing a Presidential Advocacy Training Workshop called “React with Congress: Become a Chemistry Advocate” from 10 am to noon on Tuesday, September 10. Learning how to advocate to improve our business climate in the U.S. can help with job creation! ACS cannot create jobs, but we *can* help improve job prospects if our members can get more involved by advocating with legislators to stimulate business growth and economic development. Equip yourself with some *Power Tools for Advocacy* in Indy! Come participate in these exciting programs and much more in Indy! For more details on these other ACS events go to [www.acs.org/indy](http://www.acs.org/indy).

At the Council meeting, we are planning for a Special Discussion on “***What can we – as the Society and as individual citizens – do to help create jobs or demand for chemists?***” I hope that we can collectively identify productive approaches to increase the number of opportunities for chemists to thrive. These are admittedly tough times for our profession, but working together through ACS we *can* create a more positive future for “Improving people’s lives through the transforming power of chemistry.” Let’s continue to *Partner for Progress and Prosperity!* As always, I welcome your input and suggestions at [m.wu@acs.org](mailto:m.wu@acs.org).

Marinda Li Wu



REPORT OF THE PRESIDENT-ELECT

Tom will provide an up-to-the-minute accounting of his progress in organizing symposia on "Fracking" and "Photocatalytic Splitting of Water" for the San Francisco meeting, a symposium on "Chemistry Teacher Training," and a meeting with leaders of U.S. chemical industry to listen to what changes they might wish to see in the education of chemists.

Tom Barton

## REPORT OF THE IMMEDIATE PAST PRESIDENT

In this, my last report to Council as 2012 president, I wish to express gratitude for the support and collaboration of members, councilors, staff, and many others outside ACS in addressing several grand global challenges facing science and society. This joint process has helped enhance ACS's leadership role as a scientific, educational, professional, and learned society in keeping with our mission to "advance the chemical enterprise and its practitioners for the benefit of Earth and its people."

During the past two and half years my responsibilities as an elected national officer included the great honor of representing ACS and speaking for ACS in a variety of settings. The ceremonial activities were pleasant and I was happy with all interactions. My greatest satisfaction comes from the deep and outstanding programmatic interactions everywhere on scientific, educational, professional, and learned matters.

Briefly I call your attention to:

- [The report of the ACS Presidential Commission on Graduate Education in the Chemical Sciences](#). The Implementation Committee, under the leadership of Commission Chair Dr. Larry Faulkner, is sharply focused on the five main audiences for the Report: faculty and academic leaders, public and private funders, industry leaders, graduate students and postdocs, and the ACS PhD Completion and Placement Profile project.
- The ACS Climate Science Initiative is now the responsibility of the Committee on Environmental Improvement and the Committee on Science. The ACS Climate Science Toolkit is available on the web at [www.acs.org/climatescience](http://www.acs.org/climatescience).
- The proposed [ACS Global Water Initiative](#) is in the development stage. ACS should expand its efforts to educate the public and decisionmakers on topics related to water, especially those that are pertinent to chemistry. The ACS mission empowers ACS leaders and members to meet the Grand Challenge of Water. We have a responsibility to join with other organizations and agencies to prepare for a better water future. For without water, there is no future.
- It is unfortunate that during my term in office we could not explore an ACS High School Chemistry Teacher Fellowship Program, the goal of which would be to substantially increase the number of highly qualified high school chemistry teachers graduating from major research universities. It is my hope that future ACS leaders will decide to pursue such an exploration.

Once again, I express my hope that the ACS Council will use its biannual meetings to take up the responsibility of exerting the greatest influence possible on policy matters affecting ACS and its appropriate role in the chemical enterprise. Council meetings spent mostly listening to oral reports from officers and committees and voting on the automatic dues escalator is not what should mostly concern scientists, educators, professionals, and learned individuals who represent members of the world's largest scientific society. When the Council Policy Committee (CPC) sets the Council agenda it should bring mostly policy matters to our meetings instead of mostly procedural action

As leaders of ACS a great deal is expected of us. Let us live up to those expectations and let us do our part as leaders and stewards with which we have been entrusted with. Science and society have what is essentially a social contract that enables great intellectual achievements but comes with mutual expectations of benefiting the human condition and protecting our planet. Let us work toward strengthening the leadership roles of ACS in advancing the chemical enterprise and its practitioners for the benefit of Earth and its people.

Thank you again for the opportunity to work together in doing our best for ACS, for science, and for society.

Bassam Z. Shakhashiri

## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

Summer is a relatively quiet time for the Board, but a full meeting was held May 29 - June 1 in Baltimore. This is the time of year when awards are decided, and to that end, Stephen J. Lippard was announced as the winner of the 2014 Priestley Medal and Robert A. Pribush as the winner of the Award for Volunteer Service to the American Chemical Society.

On the recommendation of the Committee on Professional & Member Relations, the Board voted to support nominal cosponsorship of the Malta VI conference on "Frontiers of Science: Research & Education in the Middle East—A Bridge to Peace," which will be held this November. This important series of conferences has been carried out over the past ten years, and the Board wishes its sponsors another successful event.

Concerns for the interactions of government with science have been top-of-mind for the Board, starting with the impacts of reduced federal budgets on funding through NSF and NIH. In addition, the Committee on Public Affairs & Public Relations briefed the Board on recent congressional discussions pertaining to peer review and science, particularly at NSF. The Board voted to approve the "Peer Review: Ensuring High-Quality Science" statement as a public policy position of the Society for use in this discussion.

The Committee on Chemical Safety and the ACS Division of Chemical Health & Safety presented the Board with a proposal for a Web-based laboratory safety program and the Board expressed support for the development of the program's first module.

The Board also agreed on Alan Alda as the speaker for the Board's open forum discussion at the fall ACS national meeting in Indianapolis. In addition, ACS will present Alda with an ACS Public Service Award, commemorating his years as narrator of Scientific American Frontiers, and his establishment of the Alan Alda Center for Communicating Science at Stony Brook. We are working to improve both the content and the participation at these open Board meetings.

William F. Carroll, Jr.

MINUTES  
REGULAR SESSION  
BOARD OF DIRECTORS  
New Orleans, Louisiana  
April 7, 2013

The Board of Directors of the American Chemical Society met in New Orleans, Louisiana, on April 7, 2013, beginning at 12:00 p.m. William F. Carroll, Jr., Chair, presided. Other Directors present for all or part of the meeting were: John E. Adams, Thomas J. Barton, George M. Bodner, Bonnie A. Charpentier, Pat N. Confalone, Thomas R. Gilbert, Madeleine Jacobs, Larry K. Krannich, Valerie J. Kuck, Ingrid Montes, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shkhashiri, Kent J. Voorhees, and Marinda Li Wu. Present by invitation for all or part of the meeting were: Brian A. Bernstein, Brian D. Crawford, Denise L. Creech, Yvonne D. Curry, Mary Kirchhoff, Martha K. Lester, Flint H. Lewis, Scott J. Oliphant, Robert H. Rich, Glenn S. Ruskin, Ronald E. Siatkowski, David T. Smorodin, John R. Sullivan, Matthew Toussant, Frank E. Walworth, and Marleen G. Weidner. More than three hundred observers were present at various times during the meeting.

Report from Executive Session

William F. Carroll, Jr., Chair, opened the meeting with a summary of the key Board actions and discussion points from its executive session, April 5-6. He reported that the Board agreed to:

- a screened list of nominees for the 2014 Priestley Medal and the Award for Volunteer Service to the ACS;
- approve a Society nominee for the National Medal of Science;
- approve several actions relative to executive compensation for the Society's executive staff;
- approve an alliance with the Latin American Federation of Chemical Associations (FLAQ) and to renew an alliance with the Chinese Chemical Society;
- discuss the Committee on Planning's initial findings from the ACS Environmental Scan/Strategic Context Research;
- receive a report from the Oversight Group on Society Program Portfolio Management on its current activities and plans for the remainder of 2013;
- receive a report from the Executive Director/CEO and several of her direct reports on Society accomplishments from 2012; major challenges and projects facing the Society in 2013; and the activities of CAS (Chemical Abstracts Service), the Publications Division and the Society's General Counsel;
- approve the reappointment of journal editors and an appointment to the ACS Governing Board for Publishing; and
- ratify several interim actions including an appointment to the Committee on Executive Compensation.

Dr. Carroll also reported that the Board received reports from the Presidential Succession on their current activities and plans for the remainder of 2013 and the beginning of 2014; from the new director of the ACS Green Chemistry Institute<sup>®</sup>; and on the newly instituted ACS Career Pathways<sup>™</sup> Workshops.

OPEN FORUM

Dr. Carroll announced that the Board of Directors had put on its agenda an open forum focused on two questions: "1) What one thing would you like from ACS that you don't get now?" and "2) What one thing do you get from another organization that you wish you got from ACS?" Dr. Carroll

reviewed new member products and services introduced or expanded in 2012 including the Entrepreneurial Initiative; the Career Pathways™ Workshops; the ACS International Center; ACS on Campus; Presentations on Demand; Publications member programs; weekly webinars; and a new SciFinder member benefit to be launched on April 25. Following the topic overview, Dr. Carroll opened the floor for discussion.

More than 20 attendees offered comments and suggestions on current Society products and services and opportunities for future enhancements. The comments and suggestions included the importance of a multidisciplinary outlook as a way of increasing the inclusion of allied scientists and engineers, particularly as they consider membership in boutique chemistry societies; ways of involving student members in all activities; business development and strategic partnerships (meetings within national meetings) to foster greater industry participation; an understanding of what it means to be a student member; mentoring for early and mid-career chemists; better forums for informing Society members of ACS products and services; the importance of closing the gap between local sections and ACS “national”; offer greater incentives for joining the Society; more outreach activities for graduate students; promotion of chemical science internships; more use of digital communications; better mechanisms to increase member/community engagement. At the conclusion of the discussion, Dr. Carroll thanked participants for the success of another standing-room-only forum.

#### Reports of Officers

**President Marinda Li Wu** reported that her presidential task force, “Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise” will be sharing presentations on its findings with 26 stakeholder committees and divisions at this meeting. She said that her priorities as ACS President include: serving members interests; promoting science literacy and education; driving action; transparency and inclusivity; building bridges for strategic collaboration; and advocating for jobs and professional growth. Dr. Wu highlighted her presidential events at the New Orleans meeting and those planned for the fall national meeting. She reported that eleven presidents of chemical societies from Europe, Asia, the Americas, and Africa will be speaking at this meeting on how they might partner among themselves to better address global challenges.

**President-Elect Thomas J. Barton** reported that he will be hosting a public symposium on fracking in San Francisco and will be working with Professor Daniel Nocera on a symposium on photocatalytic conversion of water to hydrogen and oxygen. Dr. Barton also announced plans to convene a summit meeting of CEOs of American chemical companies to produce a white paper on factors inhibiting growth and development of the chemical industry in the US. Dr. Barton expressed concern over the state of K-12 chemistry education in the US and the necessity of action in this arena. This, too, will be an area of focus during his presidential year.

**Immediate Past President Bassam Z. Shkhashiri** reminded attendees of the grand challenges to society and scientists as they help to sustain earth and its people in the face of population growth, finite resources, malnutrition, spreading disease, deadly violence, war, climate change, and denial of basic human rights – especially the right to benefit from scientific and technological progress. Dr. Shkhashiri also offered a progress report on implementation of the ACS Commission on Graduate Education Report and the ACS Climate Science Initiative. He said that several grants through the Climate Science Initiative have been awarded under the ACS Challenge Grant Program for local sections and divisions.

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 2013**

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 Award (G&A), Professional and Member Relations (P&MR), and Public Affairs and Public Relations (PA&PR).
- The Committee on Grants and Awards announced Stephen J. Lippard as the winner of the 2014 Priestley Medal and Robert A. Pribush as the winner of the ACS Award for Volunteer Service. On the recommendation of G&A, the Board VOTED to approve Society nominees for the 2014 Othmer Gold Medal and the National Inventors Hall of Fame; and to provide financial support for several ACS awards.
- On the recommendation of the Committee on Professional and Member Relations, the Board VOTED to support nominal cosponsorship of the Malta VI conference: *Frontiers of Science VI: Research and Education in the Middle East – A Bridge to Peace and Security* to be held in November of this year.
- The Committee on Public Affairs and Public Relations briefed the Board on recent congressional discussions and actions pertaining to peer review. The Board VOTED to approve the *Peer Review: Ensuring High-Quality Science* statement as a public policy position of the Society.

**The Executive Director/CEO Report**

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

**Executive Compensation**

- The Board members received an extensive "refresher" briefing on the ACS executive compensation process and philosophy. The Board of Directors receives reports from its Committee on Executive Compensation and discusses compensation issues at nearly all of its meetings.

**Review of Board Operations**

- The Board engaged in a discussion of ways in which it can continue to operate in the most effective manner possible. Several ideas were offered, some of which will be incorporated into future Board agendas and meetings.

**Other Society Business**

- The Board VOTED to approve three actions arising from the spring Council meeting: continuation of Joint Board-Council Committees on Chemical Abstracts Service, Environmental Improvement and Younger Chemists; the Academic Professional Guidelines; and the founding document for the Harry Gray Award Endowment.
- The Board received a proposal for a web-based laboratory safety program and expressed support for the development of the program's first module; heard reports from the Presidential Succession on their current and planned activities for the remainder of 2013; and agreed on a speaker for the Board's Open Forum Discussion at the fall meeting in Indianapolis.

William F. Carroll, Jr.  
Chair, ACS Board of Directors

## REPORT OF THE EXECUTIVE DIRECTOR

I'm writing this report to Council during the so-called dog days of summer, which in Washington, D.C., and Columbus, Ohio, is usually a slow time for its citizens. In Washington, Congress is taking the month of August off; in both locales traffic is lighter as families head for vacation; and in the nation's capital, the ever-popular crepe myrtle trees with their lush blossoms are thriving in the hot, humid weather for which Washington is famous. At ACS, however, we never seem to have a slow time, and this summer is no exception.

First and foremost, we are revving up for the ACS National Meeting in Indianapolis. We have an extensive and exciting technical program, as well as numerous presidential events. I am especially excited about a 90<sup>th</sup> birthday tribute to Carl Djerassi, the "father" of the birth control pill and a noted author and playwright. Dr. Djerassi will be entertaining attendees on Sunday afternoon, beginning at 1:30 p.m. in the Indiana Convention Center 500 Ballroom. The first 600 people will receive a free, autographed copy of one of his books. Also on September 8, ACS will host the prestigious ACS Heroes of Chemistry Awards, recognizing winning teams from DuPont, Merck, Pfizer, and Vertex for their talent, creativity, and innovation in the chemical enterprise.

The National Meeting will feature two outstanding Kavli Foundation Lecturers—Dr. Harry Gray from Caltech and Dr. Martin D. Burke from the University of Illinois, Urbana-Champaign - on Monday afternoon, beginning at 4:00 p.m. in the Convention Center Sagamore Ballroom 5-7. ACS will also mark the 90<sup>th</sup> anniversary of C&EN, with a public lecture by celebrity chef Alton Brown on Tuesday, September 10, at 5 p.m., with a reception to follow in the Convention Center Sagamore Ballroom 5-7. And be sure to make plans to stop by the ACS booth in the Convention Center and learn about the latest features in SciFinder, the newest ACS journals, and new member benefits.

In addition to preparing for Indy, in the past few months since we met in New Orleans, ACS has hosted a major conference on Green Chemistry (see enclosed report from the ACS Green Chemistry Institute<sup>®</sup>), begun preparing for the next class of ACS Scholars, held the ACS Summer School on Green Chemistry and Sustainable Energy for 60 graduate students and postdocs at the Colorado School of Mines, and held two meetings of the Governing Board for Publishing (see enclosed report). Behind the scenes, the ACS Board of Directors and its Planning Committee have been overseeing an ongoing environmental scan over the last year. The Board, its committees, and ACS staff have been looking at the significant factors which might affect chemists, chemistry, and the ACS over the coming years. A rich array of information has emerged from the scan, pointing to key dynamics, trends, uncertainties, and strategic possibilities. Starting this fall, ACS will be offering Councilors and other volunteers opportunities to consider this information and engage in dialogue.

With regard to financial performance, I am pleased to report that the Society's year-to-date Net from Operations is running favorable to budget through July 31. While revenues are slightly behind the phased budget, the shortfall has been offset by effective expense management efforts that have produced favorable variances in every major expense category. In Indianapolis, the Society Committee on Budget and Finance will receive management's first Probable Projection for 2013. The Probable #1 will forecast favorable budgetary performance for the year.

In the remainder of this report, I am pleased to provide a brief list of some other significant operational highlights, organized around the ACS Strategic Plan Goals.

**Goal 1—Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information.**

In the August issue of the Councilor Bulletin, I reported that CAS President Bob Massie is retiring in March 2014 after leading CAS to great success for the past 21½ years. We are well under way recruiting for a worthy successor. Meanwhile, CAS databases are continuing a strong year of growth, with the CA/CAPLUS database on rate to index more than 1,470,000 articles and patents (growth of ~20,000 over 2012) and reactions tracking to about 9,350,000 (growth of >125,000 over 2012). Chinese chemistry invention patent publications are trending to a growth rate between 30 and 35% for 2013, over the record level published in 2012. In April, ACS launched an exciting new SciFinder member benefit that allows participating members 25 free SciFinder activities on request. This major new benefit has generated notable interest and very positive feedback from members to date. Thousands of our members have signed up for this benefit.

The Governing Board for Publishing approved a new journal, *Environmental Science & Technology Letters (ES&T Letters)*, which will be an international forum for brief communications on experimental or theoretical results of exceptional timeliness in all aspects of environmental science (pure and applied), and for short reviews on emerging environmental science and technology topics. *ES&T Letters* is a companion to *Environmental Science & Technology (ES&T)* and both are under the overall editorial direction of Dr. Jerry Schnoor. Dr. Schnoor appointed Bruce E. Logan as Deputy Editor to manage the peer review of manuscript submissions to the new journal. The *ES&T Letters* submission site opened in July, the first peer-reviewed letter has been published, and the first full issue will publish online January 2014.

On April 21, the ACS Publications Division introduced a special “Bio Journals” webpage at the Experimental Biology Conference in Boston (<http://pubs.acs.org/bio/>). The goal of the site was to increase awareness among biological researchers about the breadth and depth of ACS's portfolio as well as position ACS biological chemistry journals as fostering innovation through cross-disciplinary exposure. *Bio Journals* featured a network map linking disciplines at the interface of chemistry and biology and a custom list of ACS journals that publish in these areas. Also in April, to celebrate Earth Day 2013, the ACS Publications Division, in partnership with CAS, launched a campaign to create awareness of the five CAS section pages most closely aligned with the themes of this year's event. The five CAS section landing pages (Water, Industrial Hygiene, Fertilizers, Waste, and Mineralogical /Geological) were heavily promoted to authors and researchers.

Just prior to the New Orleans national meeting, the ACS Publications Division launched *ACS ChemWorx*, the first research management tool customized to address the specific needs of researchers in the chemical and related sciences. *ACS ChemWorx* combines reference discovery and management, professional networking, group and task management, and manuscript preparation in a single interface, accessible from anywhere. Since its launch on March 27, a combined total of nearly 20,000 unique users visited the web, desktop, and mobile platforms of *ACS ChemWorx* (<https://pc.acschemworx.acs.org>). The ActiveView PDF feature that accompanied the *ACS ChemWorx* launch (see <http://pubs.acs.org/page/demo/activeviewpdf.html>) has received over 1.6 million downloads.

More than 600 presentations (200 poster and 400 oral presentations) that were recorded at the ACS national meeting in New Orleans were made available under the ACS Presentations on Demand program. This is in addition to more than 1,000 presentations still available from the 2012 Philadelphia and San Diego national meetings. [www.presentations.acs.org](http://www.presentations.acs.org)



As many of you already know, we are in the process of replacing our technical meeting abstract submission system known as PACS. Our current system was purchased by a competitor and support is being eliminated beginning in 2015. A team of key volunteers and staff has been studying alternatives. The process for selecting a new system is nearly complete. We expect to have a new system in production by mid-2014 in order to support the 2015 spring national meeting.

**Goal 2—Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy.**

The ACS website, [www.acs.org](http://www.acs.org), went live on a new content management system on June 26. The new content management system is better at supporting mobile devices due to a responsive design that changes based on the screen size of the device being used. This new technology also provides a foundation to improve the accessibility of the content to users with disabilities. The new system also uses shorter url's that are more meaningful than those from the old technology. This new foundation will be used as we move forward to improve the experience for visitors to the web site.

To increase awareness of the value of ACS membership, ACS developed a new website called "My.ACS.org" to highlight personal stories by ACS members who take full advantage of their membership through these valuable services. To see their stories or to share yours, please visit [My.ACS.org](http://My.ACS.org). If you do, we'll send you a free T-shirt to show our appreciation.

The Membership and Scientific Advancement Division created the 2013 Chemical Entrepreneurship Series by working with the University of California San Diego's von Liebig Entrepreneurism Center and ACS Webinars™. ACS Webinars are free, weekly online events to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business. Live webinars are 60 minutes and held every Thursday from 2 - 3 p.m. (Eastern time). Recordings of the webinars are available online and upcoming events are posted at [www.acswebinars.org](http://www.acswebinars.org).

With nearly \$200,000 in support from the State Department, ACS conducted eight soft-skill professional workshops over 22 days for more than 700 young scientists and engineers in Indonesia and Malaysia. Topics included scientific publishing, communicating science to the public, careers pathways in science, and scientific collaboration. As a follow-up, a travel grant program funded by the State Department will select qualified participants from these countries for a "train the trainer" workshop in August in Thailand. Each newly minted trainer is subsequently expected to reach out and train at least 100 colleagues in their area/region in the following 12 months.

ACS partnered with the South African Chemical Institute for two successful ACS on Campus events in South Africa July 5 and 8. These events incorporated the expanded content that has been included at domestic events since the summer of 2012.

The ACS Petroleum Research Fund Advisory Board recommended 103 research proposals for funding at its May 2013 ACS PRF Advisory Board meeting, all of which were subsequently awarded grants at the May 31, 2013, meeting of the ACS Board of Directors' Standing Committee on Grants and Awards. The combined total funding of the 103 grants is \$9,195,000.

**Goal 3—Foster the development of the most innovative, relevant, and effective chemistry education in the world.**

ACS recently secured \$250,000 in funding from the National Science Foundation to restart the ACS International Research Experience for Undergraduates effort. The funding goes to support "Building Networks

for U.S. Chemistry Undergraduates in Germany,” which will provide eight U.S. undergraduate students 10-week summer research opportunities in Germany per year (over three years), while also enabling eight German students to participate in U.S. summer research programs at the same time.

ACS has joined “100Kin10,” a collaborative effort with a goal to produce 100,000 new Science, Technology, Engineering, and Mathematics (STEM) teachers in 10 years. This initiative is supported by numerous companies, including The Dow Chemical Company, the Bill & Melinda Gates Foundation, and Google.

The U.S. Chemistry Olympiad team competed in the International Chemistry Olympiad July 15-24 in Moscow and put on a strong performance. David Liang and Runpeng Liu won gold medals, and Saaket Agrawal and Stephen Ting earned silver medals. The competition tests high school students on chemistry knowledge and lab skills.

In late July, ACS hosted the Cottrell Scholars Collaborative New Faculty Workshop, sponsored by the Research Corporation for Science Advancement. The goal of the collaborative is to improve undergraduate science education at research universities around the country, and this year's workshop in Washington, D.C., had 43 first and second year faculty from 36 research-intensive universities.

Both CAS and ACS Publications are dedicated to ensuring that graduate students and postdoctoral students have the information skill sets to thrive in the global economy. In addition, both information services divisions recognize that they can learn from users of SciFinder and ACS Journals. A one-week ACS Publications Graduate Student/Postdoc Summer Institute was held July 29-August 2 in Washington, D.C., with 13 graduate students and postdocs learning about ACS ChemWorx, discussing issues in scholarly communications and career perspectives, and sharing feedback on ACS journals and their features. CAS selected 17 Ph.D. students and postdoctoral researchers to participate in the 2013 SciFinder Future Leaders in Chemistry program, which takes place at the Indianapolis national meeting. This is an eight-day immersion program with scientists, editors and staff of CAS and ACS Publications. Participants travel to Columbus, Ohio, to get a behind-the-scenes look at how the CAS databases are built and maintained, discuss challenges in scientific information, share feedback with SciFinder developers, and tour local centers of innovation and technology, such as TechColumbus, Battelle Memorial Institute, and The Ohio State University.

#### **Goal 4—Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.**

Helping our members become even more effective advocates and communicators remains a top priority for the Society and allows us to help fulfill Goal 4 and its objectives. Toward that end, several important activities have taken place recently. On April 23 and 24, the annual ACS Legislative Summit brought members of the ACS Board of Directors and the Committee on Chemistry and Public Affairs (CCPA) to Washington for a day of policy briefings and a second day of meetings on Capitol Hill with key federal agencies. A key message delivered was the importance of predictable and sustained federal R&D investment and STEM education to U.S. economic growth and job creation. Public Service Awards were presented at a special evening ceremony to Senator Mark Udall, Representative Lamar Smith and White House Science Advisor Dr. John Holdren.

On May 2-5, a “Sparkle” workshop was held to provide media and communications training to 29 ACS members, making this session the largest class ever. Participants included 20 local section, four divisions and five student chapter members. Since the Sparkle workshops were relaunched in October 2010, 68 local sections, five divisions, five student chapters and one committee have participated. Information is posted at [www.acs.org/sparkle](http://www.acs.org/sparkle).

Science writers in the Office of Public Affairs reviewed almost 7,000 abstracts of technical presentations for the 246<sup>th</sup> National Meeting & Exposition in order to identify newsworthy research to publicize. The resulting publicity package, which will be distributed to 4,000 journalists worldwide, will include more than 40 press releases publicizing several hundred presentations. An advance team will travel to Indianapolis to visit area newspapers, TV stations, and other news media outlets to brief reporters, editors, and producers and encourage coverage of the meeting. The ACS Press Center in the Indiana Convention Center, which operates Saturday through Wednesday, will host numerous journalists who cover the meeting onsite. An adjacent Press Conference Center will host more than 40 press conferences broadcast live over the Internet in which scientists discuss their presentations. Public Affairs also will operate a Video Studio in the convention center that will capture video of ACS presidential and other candidates, and almost a dozen other projects.

As noted, these are just a few highlights of activity. I look forward to seeing all Councilors in Indianapolis and giving you a further update of significant events at that time.

Madeleine Jacobs

## REPORT OF THE GOVERNING BOARD FOR PUBLISHING TO ACS COUNCIL

The following is a brief summary of the February and May 2013 meetings of the Governing Board for Publishing. Executive management of CAS and ACS Publications reported that overall financial and mission-objectives were on track to achieve goals set for 2013. At both meetings, collaborations between the two divisions were discussed. Journal subscription prices for 2014 were approved. To a great extent, the two meetings covered proprietary and confidential matters of long-term strategic importance to ACS. Following are other highlights from the meetings.

### **CAS (Chemical Abstracts Service)**

CAS achieved another record performance in database building, with more than 7% growth overall for indexed publications. Several new annual records in performance were attained in 2012, including CA/CAPplus indexed records reaching 1,441,393 and CASREACT Reaction additions achieving 9,162,710. Indexed China patents added to CA/CAPplus in 2012 were 164,640 compared to 109,590 in the previous year. The CAS Registry grew by 6,337,437 new CAS Registry Numbers in 2012. CAS is now processing approximately 79% more documents annually than it did 10 years ago.

CAS has experienced the impact of mergers and acquisitions in "Big Pharma," and continued economic distress in countries such as Spain, Italy, Greece, and Portugal. CAS continues to improve its products and monitors competitors' offerings. CAS continues to increase its marketing penetration in the academic market. Academic customers received very low or no price increases in 2012 and CAS received favorable customer feedback as a result.

CAS continues to improve SciFinder with new features and enhancements, many of which are requested by users. SciFinder is the market leader in its field, and as its market matures, new strategies are needed to maintain this position. These strategies were described for the Governing Board for Publishing.

### **ACS Publications**

The Governing Board for Publishing was given a demonstration of the initial release of ACS *ChemWorx*, the author/researcher collaboration environment developed by ACS Publications as a web portal and cloud storage environment. This new service was rolled out at the New Orleans national meeting. More than 19,000 people have signed up to use *ChemWorx* as of the middle of July. A new journal, *Environmental Science & Technology Letters*, was approved for publication in 2014.

During both meetings, Dr. Crawford provided an update of social, technological, economic, and political drivers at work in the open access arena; reviewed current open access policy developments within legislatures and funding agencies in the U.S. and abroad; and in May secured approval to proceed with developing additional open access publishing options for introduction to authors in 2014 and beyond, informed by prior discussions with the Governing Board for Publishing regarding strategic publishing options for ACS.

Madeleine Jacobs, 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 Spring 2012.

- ACS GCI hosted the 17<sup>th</sup> Annual Green Chemistry & Engineering Conference (GC&E) on June 18-20, 2013, at the North Bethesda Marriott in Bethesda, MD. Keynote speakers included: Dr. Milton Hearn, Associate Director of Green Chemical Futures – Industry, Monash University; Dr. Jim Hutchison, Professor of Chemistry and ACS GCI Governing Board Member, University of Oregon; and Dr. Michael J. Pcolinski, Vice President of Innovation & Technology North America; BASF Corporation. Conference Chairs included: Dr. Roger McFadden, VP and Senior Scientist, Staples, Inc.; Dr. Bob Peoples, Executive Director, Carpet America Recover Effort (CARE); Dr. Matthew Realf, Professor of the College of Engineering, Georgia Institute of Technology; and Dr. David Constable, Director of the ACS Green Chemistry Institute®. There were a total of 488 conference registrants, 23 technical sessions, 37 sponsors, and 14 exhibitors.
- The second consecutive Hybrid Meeting was hosted at the 2013 GC&E conference to engage a global audience with a panel discussion on “Global Supplies for Chemical Feedstocks in the 21<sup>st</sup> Century.” The panel members included: Dr. Robert Fireovid, National Program Leader for Bioproducts and Biorefining, U.S. Dept. of Agriculture-Agricultural Research Service; Dr. James E. Jackson, Professor of Chemistry, Michigan State University; Dr. Henry E. Bryndza, Director of Chemical Science and Engineering, DuPont; and Dr. Adam Malofsky, CEO & President, Bioformix, Inc.
- A National Science Foundation-sponsored student workshop was hosted in conjunction with the 2013 GC&E conference. There were over 80 participants including 41 NSF Travel Grant Recipients. The workshop was co-facilitated by Dr. Rich Williams, Founder & President, Environmental Science & Green Chemistry Consulting, LLC and Dr. David Constable, who guided the attendees through each of the 12 Principles of Green Chemistry. In addition, ACS GCI collaborated with Beyond Benign to conduct a hands-on green chemistry educational outreach activity in conjunction with the ACS “Bring Your Child to Work Day.” Over 120 children were in attendance and the event was a great success.
- A new educational series entitled “Green Chemistry Principle of the Month” launched, with guest expert contributors highlighting one of the 12 GC Principles each month. The content is being published in *The Nexus* and on the ACS GCI website.
- ACS GCI Awards: Lindsay Soh, Yale University, and Cristina de Salas, Friedrich-Alexander-Universität Erlangen-Nürnberg, were recognized as the recipients of the 2013 Kenneth G. Hancock Award at the 2013 GC&E conference. Michiele Dusselier, Catholic University of Leuven and Julia Griffen, University of Bath were also recognized as the 2013 Joseph Breen Memorial Fellowship winners, while Shannon Woodruff, Southern Methodist University and Katherine Dejernes, University of California-Riverside were recognized as the 2013 Ciba Travel Award winners.
- The ACS GCI Industrial Roundtables exhibited at Informex in Anaheim, CA, February 20-22, 2013, to raise awareness of the three industrial roundtables for future membership and sponsorship engagement. A technical presentation was also given as part of the program.
- An exploratory meeting to investigate the possibility of a Hydraulic Fracturing Industrial Roundtable was held on June 20, 2013. Thirty people participated in the meeting including representatives from Baker Hughes, Apache Corporation, NALCO Champion, An Ecolab Company, Halliburton, Gradient, SNF Oil & Gas, Florida Chemical, Solvay, Schlumberger Oilfield Services, Chesapeake Energy Corporation, Southwestern Energy, Shell, and Dow. There was an expression of interest by those participating in the meeting to develop a business plan and continue to develop this Roundtable.
- ACS GCI Pharmaceutical Roundtable: A manuscript co-authored by the ACS GCI Pharmaceutical Roundtable and Prof. Wei Zhang's group from the University of Massachusetts-Boston has been accepted for publication in *Green Chemistry*. The paper is the culmination of a collaborative Roundtable Research

Grant focused on evaluating greener solvents for Grignard reagents. The paper "[Comparative Performance Evaluation and Systematic Screening of Solvents in a Range of Grignard Reactions](#)" is now available online. The ACS GCI Pharmaceutical Roundtable awarded two \$500.00 travel grants to two students for travel to the 2013 GC&E conference. The ACS GCI Pharmaceutical Roundtable in conjunction with Rutgers University is hosting a Pharmaceutical Roundtable Green Chemistry Symposium on October 4, 2013, on Rutgers Busch Campus, Piscataway NJ. The symposium will focus on catalysis with confirmed speakers: Scott Miller (Yale University), Gary Molander (University of Pennsylvania), Greg Hughes (Merck), Paul Chirik (Princeton University), Dalibor Sames (Columbia University), and Michael Krische (The University of Texas at Austin). Registration will be free for ACS GCI Pharmaceutical Roundtable members and Rutgers faculty and students. There will be a nominal fee for others to attend. Sponsorship opportunities are available. For more information contact Julie Manley at [j\\_manley@acs.org](mailto:j_manley@acs.org) or <http://chem.rutgers.edu/acs-pharmaceutical-roundtable-green-chemistry-symposium>.

- ACS GCI Formulator's Roundtable: Rochester Midland Corporation was accepted as a member of the ACS GCI Formulators' Roundtable. The ACS GCI Formulators' Roundtable is working with the U.S. EPA to develop an open innovation challenge to develop greener chelants. EPA communicated they are willing to commit \$35,000 to the challenge which covers the cost to post the challenge and a \$25,000 award.
- The ACS GCI staff continues to work with the U.S. EPA, the Department of Commerce, and the Department of State to promote green chemistry opportunities that facilitate trade and the creation of new green chemistry programs in a variety of nations.
- The ACS GCI hosted a NSF workshop on Rational Molecular Design for Reduced Hazard on June 27 – 28, 2013. This invitation-only workshop was convened by the Yale Center for Green Chemistry and Engineering to develop a white paper on research needs for developing the capability for designing molecules from first principles that have predictable biological activity. About 30 individuals representing a range of disciplines from government, academia and industry were present.

Dr. Kent Voorhees, Chair

**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
New Orleans, Louisiana  
April 9, 2013

The Council Policy Committee (CPC) of the American Chemical Society met in New Orleans, Louisiana, on April 9, 2013, beginning at 8:00 a.m. Chair Marinda Li Wu presided. Other voting members present were: Lawrence Barton, Tom J. Barton, Frank D. Blum, Mary K. Carroll, Alan M. Ehrlich, Madeleine Jacobs, Peter C. Jurs, Lee H. Latimer, Mamie W. Moy, Mary Virginia Orna, Dorothy J. Phillips, Carolyn Ribes, Eleanor D. Siebert, Ellen B. Stechel, and Marinda Li Wu. Flint H. Lewis served as Secretary.

The following chairs of Society, Elected, and Standing Committees of the Council, all non-voting members of the Council Policy Committee, attended all or portions of the meeting: Harmon B. Abrahamson, Lisa Balbes, William H. (Jack) Breazeale, Dawn A. Brooks, Wayne E. Jones, Andrew D. Jorgensen, Will E. Lynch, and Michael J. Morello. Present by invitation for all or part of the meeting were: William F. Carroll and Yvonne Curry. 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 2014-2016 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 21, 2012, meeting of the committee.

Report of Interim Action of the Council Policy Committee

4. CPC 1-2012. VOTED to re-elect Carolyn Ribes as Vice Chair of the Council Policy Committee for 2013.

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.; Dorothy Phillips (for Bassam Shakhashiri), Tom Barton, Marinda Li Wu, and Carolyn Ribes 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 April 10. 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; the Joint Board-

Council Committees on Chemical Safety, Chemistry and Public Affairs, Chemists with Disabilities, Community Activities, International Activities, Minority Affairs, Professional Training, and Science; and the Other Committee on Ethics; including reports on progress and recommendations resulting from their work during their sessions held in New Orleans, Louisiana, 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 April 10 Council meeting. All references in these minutes to actions and reports relate to the April 10, 2013 meeting of the Council.

5. VOTED that the Council Policy Committee authorize the use of projected graphics as part of the reports to Council by the Board Chair, Executive Director and CEO, President, and Immediate Past President.
6. 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, Chemical Safety, Chemistry and Public Affairs, Community Activities, Constitution and Bylaws, Economic and Professional Affairs, Education, International Activities, Local Section Activities, Meetings and Expositions, Membership Affairs, Minority Affairs, and Nominations and Elections.
7. VOTED that the Council Policy Committee authorizes additional time for the reports to Council by the Chair of the Board of Directors, the Committee on Budget and Finance, and the Committee on Membership Affairs.
8. VOTED that the Council Policy Committee authorizes the following committees to place items at the table at the back of the Council meeting room: Committee on Community Activities (brochures and pins), and the Committee on Meetings and Expositions (flyers).
9. VOTED that the Council Policy Committee authorizes the Executive Director and CEO to place cards relating to "Why I Should Join ACS" on the seats at the Council meeting.
10. VOTED that the Council Policy Committee concur with the Committee on Budget and Finance's recommendation to Council that the 2014 dues be set at the fully escalated rate of \$154.
11. VOTED that the Council Policy Committee concur with the Committee on Economic and Professional Affairs' recommendation that Council approve the Academic Professional Guidelines.
12. VOTED that the Council Policy Committee concur with the Committee on Local Section Activities' recommendation that Council approve the proposed Local Section Allocation Distribution Formula.
13. VOTED that the Council Policy Committee concur with the Committee on Constitution and Bylaws' recommendation that Council approve the proposed charter bylaws for International Chemical Sciences Chapters.
14. VOTED that the Council Policy Committee concur with the Committee on International Activities' recommendation that Council approve the establishment of an International Chemical Sciences Chapter in Romania.

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

Vice-Chair Carolyn Ribes summarized the activities of several CPC subcommittees, and noted that CPC continues to encourage Councilor participation in the ACS Network and keeps Councilors informed of CPC and Council-related activities through the Councilor Bulletin. As Vice-Chair, she continues to represent CPC on the Board Planning Committee, which engages a variety of ACS stakeholders in the planning and environmental scan processes. She reported that the Committee on Nominations and Elections (N&E) requested that CPC provide it with a short description of CPC's duties, which N&E would use to better identify candidates for election to CPC. Dr. Ribes distributed a draft description of CPC's duties and asked for comments from her colleagues on CPC and said that N&E plans to put descriptions of all three Elected Committees in the fall Council agenda.



15. VOTED that the Council Policy Committee authorizes the ACS President to present to Council with projected graphics on the special discussion subject, “What else should ACS do to help members thrive in the global chemistry enterprise?”; and limits the discussion following the presentation to thirty (30) minutes, with no Councilor speaking for more than one minute; and no motions being in order during consideration of this agenda item at the Council meeting.

#### Report of the Vision 2025 Task Force

ACS President Marinda Li Wu presented to the committee and responded to questions on her task force’s activities and recommendations, which she said were not “set in stone” but were intended to initiate discussion. Her report covered the following items: trends and challenges affecting the chemistry enterprise, seven areas covering her task force’s recommendations, a potential role for CPC in encouraging Council-related committees to lead implementation in their areas of purview and to entertain future Council discussion in support of the recommendations, and actions underway in New Orleans and planned for the ACS fall meeting in Indianapolis.

#### Reports of Subcommittees and Task Forces

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

Subcommittee chair Alan M. Ehrlich provided background information on the Petition to Amend National Election Procedures, which is up for action at this Council meeting. He said that the subcommittee was not recommending to CPC a position on the petition. The ensuing CPC discussion on the petition included the following comments: CPC should take a position on the petition as it affects the Council’s role; N&E opposes the petition; the subcommittee heard (and supports the notion) that N&E wanted to have a joint task force with CPC on election timelines; the petition takes away a fundamental role of the Council and should be opposed; some potential nominees for office decline to serve because they are not known by Councilors; some argue that the current process of Council screening embarrasses famous nominees who are not known to (and are therefore rejected by) Councilors; Members must accept that if they run for office there is a chance they may lose; and that the petition takes a piecemeal approach to the issues.

16. The Council Policy Committee VOTED, on a motion from the floor, to oppose the Petition to Amend National Election Procedures.

17. The Council Policy Committee VOTED to authorize CPC participation in a joint task force with the Committee on Nominations and Elections to review ACS election timelines.

Dr. Ehrlich next reported that the subcommittee discussed whether there should be a Bylaw amendment or other strategy to address when a Councilor neglects his/her duties, in particular, when moving permanently from the local section he/she represents without remaining active in the section or resigning from their Councilor position. The subcommittee recommends that CPC develop with the Committee on Constitution and Bylaws guidelines to address these situations.

18. The Council Policy Committee VOTED, on recommendation of its Subcommittee on Constitution and Bylaws, to develop, in consultation with the Committee on Constitution and Bylaws, Bylaw language and/or guidelines for the behavior of Councilors and their satisfactory performance of duties while in office.

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

Subcommittee chair Carolyn Ribes reported on the following actions by the subcommittee: It held a pre-orientation webinar to inform new Councilors and Alternate Councilors, in advance of the New Councilor Orientation, about their role in governance, the strategic goals of the Society, and what to expect at their first ACS National Meeting. Only 23% of the newly elected leaders attended the subsequent New Councilor Orientation, but participants rated the Orientation as being very good. Numerous activities have been undertaken by the subcommittee and other ACS leaders and conduct Strategy Cafés.

C. Task Force on Duties and Responsibilities

Dr. Ribes summarized the final written report of the task force, and noted the many enhancements to the operations of CPC that resulted from the task force's recommendations. These included the creation of a CPC webpage; the addition of a fourth CPC subgroup to shorten the time spent by the committee in previewing oral Council reports; the creation of a committee reporting checklist; and a more even distribution of committee oral reports between the spring and fall Council meetings.

Summary of Councilor Travel Expenses

Dr. Wu called attention to the Councilor travel reimbursement program summary for the fall 2012 national meeting, which was in the committee agenda. Dr. Latimer suggested that the reimbursement level needs to be adjusted due to skyrocketing hotel costs and the inability of many (especially smaller) local sections to afford the upfront reimbursement costs. Dr. Siebert suggested that CPC create a task force to review these issues. Ms. Jacobs suggested that the task force include representatives from the Committees on Budget and Finance, Local Sections, and Divisional Activities.

Open Forum

Dr. Rita Boggs thanked CPC for seeking to address the Councilor reimbursement issues. She said that her Southern California local section has approximately 2,300 members and its investments have not performed particularly well. Airfare to New Orleans is approximately \$700 for their Councilors. Many share hotel rooms but the section cannot afford the higher reimbursement costs to many cities. Dr. Boggs next suggested that the members of the Committee on Nominations and Elections be from each electoral district. Dr. Latimer agreed, noting that it could affect the identification of candidates if there were no N&E members from a particular geographic region.

19. VOTED that the Council Policy Committee create a task force to review Councilor travel reimbursement policies.

Schedule of Business Sessions

The following schedule of activities at the fall 2013 National Meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors:	Sunday, September 8
Council Policy Committee:	Tuesday, September 10
Council:	Wednesday, September 11

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

20. VOTED that the Council Policy Committee approve the Council Agenda for the April 10, 2013 meeting of the Council.

CPC's 2013 Budget

ACS Secretary Flint Lewis reported on CPC's budget and explained the various categories of its expenditures.

There being no old or new business, the meeting was adjourned at 11:52 a.m.

Flint H. Lewis  
Secretary

## REPORT OF THE COMMITTEE ON COMMITTEES

At its meeting in New Orleans, March 8-9, 2013, the Committee on Committees (ConC) developed its recommendations for 2014 Chairs of the Council Standing and Other Committees for approval by the President-Elect in June 2013. In Indianapolis, the committee will continue developing recommendations for all appointments to Council Standing, Society, Other, and Joint Board-Council committees for consideration by the President-Elect and Chair of the Board of Directors. The committee appointment process is expected to conclude in early January 2014.

Also in Indianapolis, ConC will receive reports and consider recommendations from its subcommittees on Leadership Development, Diversity, and Web Page. ConC will bring specific recommendations to Council in Indianapolis that Council approve the amendment to the charter for the Joint Board-Council Committee on International Activities and the proposed changes to the duties of the Council Committee on Nomenclature, Terminology and Symbols.

ConC will also receive updates on scheduled performance reviews for the Committees on Analytical Reagents, Chemical Abstracts Service, Chemical Safety, Chemistry and Public Affairs, Ethics, Minority Affairs, Patents and Related Matters, Public Relations and Communications, Science, Technician Affairs, and Women Chemists; and will seek Council approval in Indianapolis on recommendations for the continuance of the Committees on International Activities and on Nomenclature, Terminology and Symbols.

In lieu of the Chairs' Appreciation Luncheon, ConC liaisons now 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 September 11, 2013, ConC will also recognize Councilors who will have served the statutory limit or have otherwise completed their service on committees at the end of 2013, as well as those Councilors observing significant anniversaries of years of service on Council.

Councilors and other interested members are invited to attend the committee's open executive session on Monday, September 9, 2013, in the JW Marriott Indianapolis from 1:30-2:30 p.m., to offer their views on any topics on the agenda, or other matters of interest.

Dawn A. Brooks, Chair

Spiro Alexandratos	Amber S. Hinkle
Bryan Balazs	Bonnie Lawlor
Christopher J. Bannochie	Zaida C. Morales Martinez
Tom Barton	V. Michael Mautino
Michelle V. Buchanan	Yorke E. Rhodes
Janet L. Bryant	Sara J. Risch
Alan B. Cooper	Jason Ritchie
Judith N. Currano	

Flint H. Lewis, Staff Liaison

**FOR COUNCIL ACTION**  
**COMMITTEE CHARGE CHANGE**

Joint Board-Council Committee on International Activities

**Background**

The ACS Committee on International Activities (IAC) sent a formal request to the Committee on Committees (ConC) to approve and then recommend Council approval of IAC's changes to its charter. The changes resulted from the Committee's summit in New Orleans and an earlier IAC report on reforming its mission, goals and structure to explore opportunities to refine its alignment with the ACS Strategic Plan and the international interests of the ACS Board of Directors. After thorough review and discussion, ConC voted to accept these changes and recommend amendment of their charter to the Council.

**Current Charter**

Responsible for studying and recommending appropriate SOCIETY participation and cooperation in international undertakings pertaining to chemical education, professional activities, and scientific matters of interest to chemists and chemical engineers, and coordinating its efforts with those of other organizations, especially the National Academy of Sciences-National Research Council.

*(Source: Supplementary Information, "Description of Duties," in ACS Charter, Constitution, Bylaws and Regulations)*

**"New" Charter**

The International Activities Committee is a resource for proactively advocating, catalyzing, initiating, and implementing ACS international activities, conferences, and initiatives pertaining to education and research & development of broad scientific understanding, appreciation of chemistry, and promotion of the image of chemistry. This will happen in collaboration with other national and international organizations.

Specific roles include:

- Study ongoing initiatives and inform ACS entities on effective practices and projects related to international activities;
- Proactively advise and make recommendations to the Board on the science and engineering policies that transcend national boundaries;
- Ensure implementation of Board policies and activities pertaining to global strategies;
- Catalyze, support and maintain liaisons and collaborations between national and international science and engineering organizations, in concert with other efforts within the ACS structure;
- Enable ACS to advocate for scientific freedom and human rights as they relate to practitioners of chemical and related sciences;
- Identify ways in which ACS can raise the profile of, and meaningfully and appropriately be more welcoming to, the global community of chemical scientists and engineers.

**FOR COUNCIL ACTION  
COMMITTEE CHARTER CHANGE**

Council Committee on Nomenclature, Terminology and Symbols

**Background**

On April 22, 2013, the Committee on Committees (ConC) received a formal request from the ACS Committee on Nomenclature, Terminology and Symbols (NTS) to revise its duties. While NTS strived to apply its current duties within the structure of the ACS, it was met with limited success as organizational changes made some of the Committee's original duties too restrictive. This ultimately left some issues that would fall under the Committee's purview unaddressed.

The committee addressed this situation by contacting and securing other resources to assist in fulfilling the duties that were left unaddressed. The Committee also began a series of self-examinations including a mentored SWOT analysis followed by several task forces to address fundamental questions about the purpose of the Committee and its duties.

ConC met on Monday, June 24 to review the proposed changes to the NTS duties. After a thorough review of the current and new duties, ConC voted to accept the majority of the revisions to the duties, but added its refinements to ensure that the duties met with the needs of the Society and its members.

**Current Charter**

**3. NOMENCLATURE, TERMINOLOGY, AND SYMBOLS**

- a. Studying problems relating to nomenclature, terminology, and/or symbols;
- b. Coordinating the activities of divisional and other committees dealing with these issues within the SOCIETY;
- c. Advising and consulting with the editors of SOCIETY publications in matters relating to nomenclature, terminology, and/or symbols, including the publication of such documents;
- d. Acting for the Council in the consideration of the action on such documents and proposals presented to the SOCIETY;
- e. Acting for the Council in providing liaison in matters of these issues with non-SOCIETY national and international organizations, commissions, and committees; and,
- f. Making recommendations to the Council in matters relating to these issues not otherwise included among the duties of standing and other committees of the Council.

**New Charter**

**3. NOMENCLATURE, TERMINOLOGY, AND SYMBOLS**

Acting on behalf of the ACS Council, in matters relating to the chemical usage of nomenclature, terminology, symbols and units:

- a. Monitor, review and communicate to the SOCIETY their significance;
- b. Coordinate activities within the SOCIETY;
- c. Consult with and advise editors of SOCIETY publications and communications;
- d. Initiate, review, and recommend adoption of documents and proposals, as appropriate;
- e. Liaise with other national and international organizations, committees, and commissions similarly involved;
- f. Provide a means for members of the SOCIETY to participate in the consideration of these matters.

**RECOGNITION OF SERVICE**  
**Council Meeting, September 11, 2013**

1. The following members will have served the statutory limit or have otherwise completed their service at the end of 2013 on the ACS governance committee shown below:

Harmon B. Abrahamson	Constitution and Bylaws
Matthew K. Chan	Constitution and Bylaws
Bruce S. Ault	Divisional Activities
Michael M. Miller	Divisional Activities
Lisa M. Balbes	Economic and Professional Affairs
Anne M. Gaffney	Economic and Professional Affairs
E. Thomas Strom	Economic and Professional Affairs
Mitchell R.M. Bruce	Local Section Activities
John Gavenonis	Local Section Activities
Michael Singer	Local Section Activities
William H. Daly	Meetings and Expositions
Lynn G. Hartshorn	Meetings and Expositions
Guenter Niessen	Meetings and Expositions
Frank Romano	Meetings and Expositions
Don B. Weser	Meetings and Expositions
Thomas R. LeBon	Ethics
James Visintainer	Ethics
Seth Y. Ablordeppey	Project SEED
Kenneth M. Chapman	Technician Affairs
Dennis Chamot	Budget and Finance
Paul W. Jagodzinski	Budget and Finance
Thomas W. Smith	Education
David S. Crumrine	Chemical Safety
Laurence J. Doemeny	Chemical Safety
Tracy A. Halmi	Community Activities
Ruth Ann Woodall	Community Activities
Matthew A. Fisher	Environmental Improvement
James Solyst	Environmental Improvement
Eun-Woo Chang	International Activities
Darryl R. Prater	Minority Affairs
Marc McKithen	Patents and Related Matters
John N. Russell, Jr.	Publications
Robert C. Wingfield, Jr.	Science
Omar I. Asensio	Younger Chemists
Harish S. Parihar	Younger Chemists
Sam R. Pazicni	Younger Chemists
Mary Virginia Orna	Council Policy
Dorothy J. Phillips	Council Policy
Angela K. Wilson	Nominations and Elections

2. The following committee chairs have served the statutory limit as chair on their committees:

Harmon B. Abrahamson	Constitution and Bylaws
Lisa M. Balbes	Economic and Professional Affairs
Mitchell R.M. Bruce	Local Section Activities
Wayne E. Jones, Jr.	Membership Affairs
Pat N. Confalone	Budget and Finance
Connie J. Murphy	Chemistry and Public Affairs
Matthew A. Fisher	Environmental Improvement
James L. Chao	Patents and Related Matters
Judith H. Cohen	Women Chemists
Dorothy J. Miller	Younger Chemists
W. H. "Jack" Breazeale	Nominations and Elections

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

**Fifteen (15) Years**

Gary D. Anderson	Central Ohio Valley (1999-2013)
G. Bryan Balazs	California (1999-2013)
Richard Cassetta	New York (1983-1985; 1987-1992; 1994-1996; 2011-2013)
William H. Daly	Polymer Chemistry (1999-2013)
Kathleen Gibboney	Cincinnati (1999-2013)
Lynn G. Hartshorn	Minnesota (1999-2013)
Dennis Kevill	Rock River (1999-2013)
Pamela Kistler	Lehigh Valley (1997-2008; 2011-2013)
Will E. Lynch	Coastal Georgia (1999-2013)
Les McQuire	North Jersey (1999-2013)
Ingrid Montes	Puerto Rico (1999-2012)
	Ex Officio (2013)
Sara J. Risch	Agricultural & Food Chemistry (1999-2013)
Sharon P. Shoemaker	Biochemical Technology (1999-2013)

**Twenty (20) Years**

David E. Bergbreiter	Texas A&M (1994-2013)
Donna G. Friedman	St. Louis (1994-2013)
Herbert S. Golinkin	Chicago (1978; 1984-1995; 2007-2013)
Bob A. Howell	Midland (1993-1995; 1997-2013)
Larry K. Krannich	Alabama (1994-2010)
	Ex Officio (2011-2013)
Doris I. Lewis	Northeastern (1994-2013)
Brian M. Rushton	Ex Officio (1994-2013)
Kathleen M. Schulz	Industrial & Engineering (1994-2003)
	Business Development (2004-2009)
	Bylaw (2010)
	Ex Officio (2011-2013)

**Twenty (25) Years**

Neil T. Allison	University of Arkansas (1989-2013)
Catherine E. Costello	Northeastern (1989-2013)
Martin L. Gorbaty	Energy & Fuels (2012-2013)
	Petroleum Chemistry (1988-1999; 2001-2011)

**Thirty (30) Years**

W. H. (Jack) Breazeale	South Carolina (1984-2013)
Carol Duane	Northeastern Ohio (1984-2013)
Merle I. Eiss	Maryland (1984-2013)
Lydia E.M. Hines	Kalamazoo (1984-2013)

**Forty (40) Years**

Ned D. Heindel	Lehigh Valley (1969-1970; 1976-1984)
	History of Chemistry (1979-1984)
	Ex Officio (1985-2013)



## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

During its spring meeting in New Orleans, 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 2014-2016. Information about the candidates and the elections appears under Item III of this agenda book. At the fall Council meeting, 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, September 8, N&E will present a new moderated question and answer format for the Town Hall Meeting which features candidates running for Director-at-Large 2014-2016. This forum will facilitate communication among candidates, Councilors and Members. The forum begins at 4:45 p.m. in the JW Marriott Hotel, and ends at 5:45 p.m., so that members can attend Caucuses or other scheduled meetings. On Monday, September 9, you can meet the candidates for ACS President-Elect from 1:00–3:00 p.m. at the ACS Expo, which is located in front of the ACS Booth in the Indiana Convention Center in Halls A & B.

While in executive session, the committee will develop slates of potential candidates for President-Elect, 2015; Directors-at-Large, 2015-2017; and Directors, Districts III and VI, 2015-2017.

The N&E Task Force on Redistricting will present to Council for action at the Indianapolis meeting the proposed redistricting changes to the six electoral districts that were discussed in New Orleans. Information regarding this proposal is listed on the ACS Website [<http://www.acs.org/>; under “Governance” click on “Committees” and then select “Nominations & Elections”], and also follows this report.

N&E is always pleased to receive suggestions from Councilors of qualified members as potential candidates for all elected ACS offices. We will have a staffed N&E table at the rear of the Council meeting room, as well as an open meeting on Monday, September 9, from 11:00 a.m. - 12:00 noon, 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).

William H. (Jack) Breazeale, Jr. Chair

Cherylynlavaughn Bradley	Lydia E. M. Hines
Jeannette E. Brown	Carol Libby
Martha L. Casey	Les W. McQuire
D. Richard Cobb	Anne T. O’Brien
Milagros Delgado	Donivan R. Porterfield
Lissa Dulany	Andrea B. Twiss-Brooks
Catherine C. Fenselau	Angela K. Wilson

Staff Liaison: Flint H. Lewis

**Proposed Changes to the ACS Electoral Districts Being Presented to Council for Action in Indianapolis by the Committee on Nominations and Elections**

ACS Bylaws require that there be rough parity each year in the membership populations of the six geographic Districts from which District Directors are elected to the Board of Directors. These population levels are calculated at the end of each year based on year-end membership levels “from the previous year.” Occasionally, due to changes in the size of various local sections, these levels move out of alignment with other Districts, and fall outside of the permissible range of District populations. When this happens, N&E is charged with bringing forth a proposal to Council to adjust these populations and bring them back into the permissible range.

When N&E brought the proposal to the Philadelphia Council meeting to bring District III into compliance, numerous Councilors suggested a more comprehensive realignment proposal that would “stand the test of time.” In response, N&E prepared a broader proposal for the realignment of the six Districts, and presented the proposal at the Caucuses and to Council in New Orleans.

How did N&E go about developing this proposal? It appointed a Task Force on Redistricting and charged it with developing a fair and balanced proposal to bring every District closer together in their populations. The Task Force was diligent in taking into account Local Section boundaries, state lines, and input from Councilors in preparing the presented proposal.

The Task Force picked the mid-point of the range of allowable District populations (23,376 members) and worked to bring every District to within 400 – 1000 of that mid-point. As the new permissible range came in for year-end 2012, it appears that the proposed changes held solid – although the ranges did change from 2011. The updated range is now 20,888 – 25,530. At the end of 2012, no District was out of the acceptable range, although several were close.

It is important to note that Election Districts have nothing to do with Regional Meetings. Despite any proposed changes, Local Sections will still participate in the Regional Meeting of their choice. Election Districts and Regional meeting areas are completely independent of each other.

Councilors may visit the N&E website to look at the actual proposal and its impact. Go to the main ACS website (<http://www.acs.org/>). At the top right of the ACS Web Page is the search site, click on the “Governance” tab; then select “Committees”, followed by “Nominations and Elections.” The Redistricting Proposal consists of three parts: the total proposal as prepared by the Task Force, a brief summary of the proposal, and the report of District populations at the end of 2012. We have also included a map so you can see the “big picture” of the proposed territories of the Districts. An email with comments may be sent to the Committee at [nomelect@acs.org](mailto:nomelect@acs.org).

## **PRESENT ACS ELECTION DISTRICTS**

(Local Sections in **BOLD** are **proposed** to be **MOVED OUT of** the Election District listed and into the **NEW** Election District as *indicated*)

### **DISTRICT I:**

Binghamton  
Central Massachusetts  
**Central Pennsylvania (to Dist. 3)**  
Connecticut Valley  
Cornell  
Corning  
Eastern New York  
Green Mountain  
**Lehigh Valley (to Dist. 3)**  
Maine  
Mid-Hudson  
New Haven  
New York  
Northeastern  
Northern New York  
Rhode Island  
Rochester  
**Susquehanna Valley (to Dist. 3)**  
Syracuse  
Western Connecticut  
Western New York

### **DISTRICT II:**

Akron  
Central Ohio Valley  
Chattanooga  
Cincinnati  
Cleveland  
Columbus  
Dayton  
Detroit  
East Tennessee  
**Erie (to Dist. 1)**  
Huron Valley  
Indiana  
Indiana-Kentucky Border  
**Kalamazoo (to Dist. 5)**  
Kanawha Valley  
Kentucky Lake  
Lexington  
Louisville  
**Memphis (to Dist. 4)**  
Michigan State University  
Midland  
Nashville  
Northeast Tennessee  
Northeastern Indiana  
Northeastern Ohio  
Northern West Virginia  
Northwest Central Ohio  
Penn-Ohio Border  
**Penn York (to Dist. 1)**  
Pittsburgh  
Purdue  
Southern Indiana  
**St. Joseph Valley (to Dist. 5)**  
Toledo  
Upper Ohio Valley  
Virginia  
Virginia Blue Ridge  
**Wabash Valley (to Dist. 5)**  
Western Michigan  
Wooster

## **PRESENT ACS ELECTION DISTRICTS**

(Local Sections in **BOLD** are **proposed** to be **MOVED OUT of** the Election District listed and into the **NEW** Election District as *indicated*)

### **DISTRICT III:**

Chemical Society of Washington  
Delaware  
**Hampton Roads** *(to Dist. 2)*  
Maryland  
Monmouth County  
North Jersey  
Ocean County  
Philadelphia  
Princeton  
South Jersey  
Southeastern Pennsylvania  
Trenton  
Western Maryland

### **DISTRICT IV:**

Alabama  
Auburn  
Baton Rouge  
Brazosport  
**Carolina-Piedmont** *(to Dist. 2)*  
**Central North Carolina** *(to Dist. 2)*  
Central Texas  
Coastal Georgia  
Dallas - Ft. Worth  
East Texas  
**Eastern North Carolina** *(to Dist. 2)*  
Florida  
Georgia  
Greater Houston  
Heart O' Texas  
Jacksonville  
Louisiana  
Middle Georgia  
Mississippi  
Mobile  
North Alabama  
**North Carolina** *(to Dist. 2)*  
Northeast Georgia  
Northwest Louisiana  
Ole Miss  
Orlando  
Ouachita Valley  
Pensacola  
Puerto Rico  
Sabine - Neches  
San Antonio  
Savannah River  
South Carolina  
South Florida  
South Texas  
Southwest Georgia  
Southwest Louisiana  
Tampa Bay  
Texas A&M  
Western Carolinas  
Wilson Dam

## **PRESENT ACS ELECTION DISTRICTS**

(Local Sections in **BOLD** are **proposed** to be **MOVED OUT of** the Election District listed and into the **NEW** Election District as *indicated*)

### **DISTRICT V:**

Ames  
**Central Arkansas** *(to Dist. 4)*  
Central New Mexico  
Central Wisconsin  
Chicago  
Colorado  
Decator - Springfield  
East Central Illinois  
Illinois Heartland  
Illinois - Iowa  
Iowa  
Joliet  
Kansas City  
Kansas State University  
LaCrosse - Winona  
Lake Superior  
Mark Twain  
Milwaukee  
Minnesota  
Mo - Kan - Ok (The Tri-State)  
Nebraska  
**Northern Oklahoma** *(to Dist. 4)*  
Northeast Wisconsin  
**Oklahoma** *(to Dist. 4)*  
Omaha  
Ozark  
**Panhandle Plains** *(to Dist. 4)*  
**Permian Basin** *(to Dist. 4)*  
Red River Valley  
**Rio Grande Valley** *(to Dist. 4)*  
Rock River  
Sioux Valley  
**South Plains** *(to Dist. 4)*  
South Central Missouri  
Southern Illinois  
St. Louis  
**Tulsa** *(to Dist. 4)*  
**University of Arkansas** *(to Dist. 4)*  
University of Missouri  
Upper Peninsula  
Wakarusa Valley  
Wichita  
**Wichita Falls – Duncan** *(to Dist. 4)*  
Wisconsin

### **DISTRICT VI:**

Alaska  
California  
California Los Padres  
Central Arizona  
**Central Utah** *(to Dist. 5)*  
Hawaii  
**Idaho** *(to Dist. 5)*  
Inland Northwest  
Mojave Desert  
**Montana** *(to Dist. 5)*  
Orange County  
Oregon  
Portland  
Puget Sound  
Richland  
Sacramento  
**Salt Lake** *(to Dist. 5)*  
San Diego  
San Gorgonio  
San Joaquin Valley  
Santa Clara Valley  
Sierra Nevada  
**Snake River** *(to Dist. 5)*  
Southern Arizona  
Southern California  
Southern Nevada  
Washington - Idaho Border  
**Wyoming** *(to Dist. 5)*

## **PROPOSED NEW ACS ELECTION DISTRICTS**

(Local Sections in **BOLD italics** are **proposed** to be **moved INTO** the Election District listed)

### **DISTRICT I:**

Binghamton  
Central Massachusetts  
Connecticut Valley  
Cornell  
Corning  
Eastern New York  
***Erie***  
Green Mountain  
Maine  
Mid-Hudson  
New Haven  
New York  
Northeastern  
Northern New York  
***Penn York***  
Rhode Island  
Rochester  
Syracuse  
Western Connecticut  
Western New York

### **DISTRICT II:**

Akron  
***Carolina-Piedmont***  
***Central North Carolina***  
Central Ohio Valley  
Chattanooga  
Cincinnati  
Cleveland  
Columbus  
Dayton  
Detroit  
East Tennessee  
***Eastern North Carolina***  
***Hampton Roads***  
Huron Valley  
Indiana  
Indiana-Kentucky Border  
Kanawha Valley  
Kentucky Lake  
Lexington  
Louisville  
Michigan State University  
Midland  
Nashville  
***North Carolina***  
Northeast Tennessee  
Northeastern Indiana  
Northeastern Ohio  
Northern West Virginia  
Northwest Central Ohio  
Penn-Ohio Border  
Pittsburgh  
Purdue  
Southern Indiana  
Toledo  
Upper Ohio Valley  
Virginia  
Virginia Blue Ridge  
Western Michigan  
Wooster

## **PROPOSED NEW ACS ELECTION DISTRICTS**

(Local Sections in **BOLD italics** are **proposed** to be **moved INTO** the Election District listed)

### **DISTRICT III:**

#### ***Central Pennsylvania***

Chemical Society of Washington

Delaware

#### ***Lehigh Valley***

Maryland

Monmouth County

North Jersey

Ocean County

Philadelphia

Princeton

South Jersey

Southeastern Pennsylvania

#### ***Susquehanna Valley***

Trenton

Western Maryland

### **DISTRICT IV:**

Alabama

Auburn

Baton Rouge

Brazosport

#### **Central Arkansas**

Central Texas

Coastal Georgia

Dallas - Ft. Worth

East Texas

Florida

Georgia

Greater Houston

Heart O' Texas

Jacksonville

Louisiana

#### ***Memphis***

Middle Georgia

Mississippi

Mobile

North Alabama

Northeast Georgia

#### ***Northern Oklahoma***

Northwest Louisiana

#### ***Oklahoma***

Ole Miss

Orlando

Ouachita Valley

#### ***Panhandle Plains***

Pensacola

#### ***Permian Basin***

Puerto Rico

#### ***Rio Grande Valley***

Sabine - Neches

San Antonio

Savannah River

South Carolina

South Florida

#### ***South Plains***

South Texas

Southwest Georgia

Southwest Louisiana

Tampa Bay

Texas A&M

#### ***Tulsa***

#### ***University of Arkansas***

Western Carolinas

Wilson Dam

#### ***Wichita Falls – Duncan***

## **PROPOSED NEW ACS ELECTION DISTRICTS**

(Local Sections in **BOLD italics** are **proposed** to be **moved INTO** the Election District listed)

### **DISTRICT V:**

Ames  
Central New Mexico  
Central Wisconsin  
***Central Utah***  
Chicago  
Colorado  
Decator - Springfield  
East Central Illinois  
***Idaho***  
Illinois Heartland  
Illinois - Iowa  
Iowa  
Joliet  
***Kalamazoo***  
Kansas City  
Kansas State University  
LaCrosse - Winona  
Lake Superior  
Mark Twain  
Milwaukee  
Minnesota  
Mo - Kan - Ok (The Tri-State)  
***Montana***  
Nebraska  
Northeast Wisconsin  
Omaha  
Ozark  
Red River Valley  
Rock River  
***Salt Lake***  
Sioux Valley  
***Snake River***  
South Central Missouri  
Southern Illinois  
***St. Joseph Valley***  
St. Louis  
University of Missouri  
Upper Peninsula  
***Wabash Valley***  
Wakarusa Valley  
Wichita  
Wisconsin  
***Wyoming***

### **DISTRICT VI:**

Alaska  
California  
California Los Padres  
Central Arizona  
Hawaii  
Inland Northwest  
Mojave Desert  
Orange County  
Oregon  
Portland  
Puget Sound  
Richland  
Sacramento  
San Diego  
San Geronio  
San Joaquin Valley  
Santa Clara Valley  
Sierra Nevada  
Southern Arizona  
Southern California  
Southern Nevada  
Washington - Idaho Border



**ACS ELECTION DISTRICT MEMBERSHIP TOTALS, YEAR-END 2012**

**PERMISSIBLE RANGE = 20,888 TO 25,530**

**MIDPOINT = 23,209**

**2012 Year-End totals**

**BEFORE PROPOSED CHANGES:**

DISTRICT I = 24,551  
DISTRICT II = 21,370  
DISTRICT III = 21,319  
DISTRICT IV = 24,500  
DISTRICT V = 23,001  
DISTRICT VI = 25,516

**TOTALS**

**AFTER PROPOSED CHANGES:**

DISTRICT I = 22,279  
DISTRICT II = 24,262  
DISTRICT III = 22,824  
DISTRICT IV = 23,430  
DISTRICT V = 23,141  
DISTRICT VI = 23,317

REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance (B&F) met on Saturday, April 6, 2013, to review the Society's 2012 financial performance. The Society ended 2012 with a net contribution from operations of \$20.2 million, on revenues of \$490.7 million and expenses of \$470.5 million. This was \$4.3 million favorable to the Approved Budget. After including the results of the Member Insurance Program, the Society's overall net contribution for 2012 was \$17.9 million, which was \$2.5 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 reserve adequacy guideline, measured by the Fund Balance Ratio, was not met. This ratio declined in 2012, primarily as a result of an accounting charge related to the Society's postretirement benefit plans and the impact of the Leadscope settlement.

In other actions, the committee elected Dr. Robert Lichter as Vice Chair of the committee and voted to recommend to Council that dues for 2014 be set at the fully escalated dues rate of \$154, an increase of \$3.00 versus the 2013 dues rate. In addition, the committee received a report from its Subcommittee on Communications. The Subcommittee on Financial Impacts of Constitution and Bylaw Amendments reported on one petition slated for Council action at this meeting, the *Petition to Amend National Election Procedures, Alternate Version*. Lastly, the Subcommittee on Program Funding Requests provided an update on the schedule and process to be followed for the 2014 New Program Funding and Program Funding Reauthorization Requests.

Pat N. Confalone, Chair

Ronald Archer	Neil Jespersen
Madeleine Joullié	Valerie Kuck
Bonnie Charpentier	Thomas Lane
John Covington	Willem Leenstra
Arlene Garrison	Robert Lichter
Martin Gorbaty	Diane Schmidt
Sharon Haynie	Joseph Stoner
Joseph Heppert	Marinda Li Wu
Paul Jagodzinski	

Associates  
Michael Doyle  
Cheryl Martin  
Kristin Omberg

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 New Orleans, and highlights significant accomplishments of the Society's education programs.

The *Next Generation Science Standards* (NGSS) were released in April. SOCED approved a motion that "recognizes the achievement that is present in the Next Generation Science Standards, including their basis in research on teaching and learning, their formulation as performance standards, and their basis in the NRC framework and its dimensions of Science and Engineering Practices, Disciplinary Core Ideas, and Cross Cutting Concepts. We support the Standards as a document that is broadly applicable as a basis for K-12 science instruction and call upon the Society to develop innovative programming to support the implementation of the Standards." SOCED has formed a Task Force to consider ACS's role in implementation of the NGSS and the development of specific programming to support the implementation of the Standards.

The advisory board for the proposed Chemistry Teacher's Association met to develop a more detailed framework for the proposed organization, which is designed to provide a professional home through which teachers have access to specialized resources and the broader ACS community. A revised Program Funding Request will be considered by the Committee on Budget & Finance and the ACS Board of Directors in Indianapolis.

SOCED task forces and working groups are providing input to the Committee on Professional Training on the proposed changes to the ACS guidelines; revising the ACS education policy statement; examining issues related to distance learning; and revising the two-year college guidelines.

ACS ChemClubs raised over \$10,000 towards the Coins for Cleaner Water Initiative, surpassing the initial goal of \$5,000. There are currently 560 ChemClubs.

	Andy Jorgensen, Chair	
Charles Baldwin	Melanie M. Cooper	Ieva Reich
Iona Black	Diane Krone	Susan M. Shih
Simon Bott	Thomas H. Lane	Thomas W. Smith
John V. Clevenger	Joan A. Laredo-Liddell	Donald J. Wink
Deborah H. Cook	Jennifer B. Nielson	
	<u>Associates</u>	
Richard C. Bauer	Thomas B. Higgins	Matthew J. Mio
George M. Bodner	Malika Jeffries-El	Richard L. Nafshun
Steven A. Fleming	Robert J. Levis	Angela R. Powers
Kimberly Gardner	Patricia A. Mabrouk	Kristine S. Smetana
	<u>Consultants</u>	
	G. Marc Loudon	
	Norbert J. Pienta	

Staff Liaison: Mary Kirchhoff

## REPORT OF THE COMMITTEE ON SCIENCE

Since the New Orleans national meeting, the Committee on Science (ComSci) has been developing a new series of short video interviews of Nobel Laureates to educate members on key unanswered questions in chemistry research, the implications for innovation and society, and the broader environmental and policy issues impacting emerging areas in chemistry. The first two Nobel Laureates, Martin Chalfie (2008 Laureate, Columbia) and Richard R. Schrock (2005 Laureate, MIT), will be interviewed separately in early August at their institutions.

ComSci also recently launched a wide-ranging outreach effort to identify new multidisciplinary science frontiers that hold great promise for fostering innovation and opportunities for chemistry-related scientists worldwide. ComSci is drawing on expertise within and outside of ACS—including ACS journal editors, divisions, federal agencies, venture capitalists and industry leaders—to identify 1-2 such areas by year-end. This effort involves both in-person dialogue as well as online surveys, the first of which will be distributed in August. The emerging areas identified will then be developed and disseminated through virtual content tools and ComSci meeting programs. The next ComSci national meeting symposium in Indianapolis will feature young investigator awardees presenting on cutting edge topics in medicinal/organic chemistry research.

ComSci continues to work closely with the Office of Public Affairs on draft position statements, including a recent statement to strengthen forensic science and a statement on chemical testing. Building on key recommendations in a National Academies report, the draft statement on forensic science emphasizes more consistent and scientifically-valid testing, effective training and certification of forensic experts, quality control systems and standards, and setting research priorities. The Committee is also developing feedback related to the current implementation of the recent ACS report on graduate education. ComSci is also working with the Committee on Environmental Improvement to maintain momentum across ACS units around communicating the science of climate change.

Finally, following Board of Directors approval of ComSci's recommendation of a chemical scientist for the Presidential National Medal of Science, the ACS nomination was submitted to the White House in April. ComSci is currently reaching out to divisions on potential National Medal of Science recommendations for next year, while working with the Committee on Patents and Related Matters on the companion National Medal of Technology.

## Katherine Glasgow, Chair

Michael Berman  
Mark C. Cesa  
Mukund S. Chorghade  
Debbie C. Crans  
John Finley  
Jennifer Stowell Laurence  
Laurie Locascio  
Vera Mainz

Barbara E. Moriarty  
Tina Nenoff  
Barry Streusand  
Hessy Taft  
Gloria Thomas  
Ralph Wheeler  
Robert C. Wingfield

Associates

Rudy Baum  
Steven M. Bosner  
Dwight Chasar  
Robin J. Hood

Rigoberto Hernandez  
Robin Hood  
Edmund King  
Adam Meyers

Staff Liaison: Brian Dougherty

REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities (LSAC) is completing its review of the 2012 Local Section Annual Reports from the 187 local sections. Reviewer comments for the 158 completed reports have been posted in FORMS and all local section officers are encouraged to read the comments and to provide a response, if applicable.

LSAC contacted all members of the Monmouth County local section to inform them of the committee's decision to take action to dissolve the section after several years of little to no activity. LSAC will discuss this dissolution and take action during the Indianapolis national meeting. If approved, the dissolution will be effective January 1, 2014. LSAC has also contacted other sections who are beginning to show signs of low level of member engagement and activity. Local Sections who would like the assistance of LSAC to revive their section are encouraged to email [lsac@acs.org](mailto:lsac@acs.org).

LSAC received a petition from the Syracuse Local Section to change the name of the section (see page X). LSAC will discuss this petition and take action during the Indianapolis national meeting.

LSAC partnered with the Committee on Nominations and Elections and the Committee on Divisional Activities to host a webinar on the election process. This webinar highlighted the importance of conducting elections as well as discussed the necessary Bylaw changes needed to conduct electronic elections. The webinar can be viewed at [www.acs.org/getinvolved](http://www.acs.org/getinvolved).

Mitchell Bruce, Chair

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Mitchell R.M. Bruce  
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Sarah J. Leibowitz  
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Martin D. Rudd  
Alexa B. Serfis  
Kathleen T. Shaginaw

Ernie Simpson  
Michael Singer  
William Suits  
Ann M. Sullivan  
Stephanie Watson

Associates

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Kristi Fjare  
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Barbara Hillery  
Elaine S. Yamaguchi

Staff Liaison: LaTrease E. Garrison

**PETITION FOR SECTION NAME CHANGE**  
Syracuse Local Section

The Syracuse Local Section petitions for a change in name from the Syracuse Local Section to the Central New York Local Section.

The Section is requesting a name change because the ACS members and territory are not limited to the City of Syracuse. Although many of the members live and work within the city of Syracuse, 40 % of our current membership lives outside Onondaga County where Syracuse is located. Furthermore, the name implies affiliation only with the City of Syracuse, not the various colleges, universities, and industries located in surrounding communities. The Section is geographically diverse enough that the interests of the members would be much better represented under the name Central New York Local Section. The new name derives from the common regional name of the area and does not imply sole affiliation with any city or town.

**PETITION TO DISSOLVE A LOCAL SECTION**  
Monmouth County Local Section

The Constitution of the American Chemical Society calls for the Committee on Local Section Activities to make recommendations to the Council concerning combining or dissolving Local Sections. Therefore, the Committee on Local Section Activities recommends that the Monmouth County local section be dissolved, effective January 1, 2014, due to a decline in the section's activity over the last three years and because the section's membership has voted to dissolve the section at the end of the year. Neighboring local sections have been contacted and have been made aware of the opportunity to absorb the section after the dissolution is complete.

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

While the number of Student Member undergraduates and other new members continues to grow, the Society is also seeing increases in the number of members who are not renewing their membership. Growth is coming from international members and the Student Member undergraduates. The total ACS membership as of June 30, 2013 was 160,122, which is 2,540 less than the membership number at the same time last year.

The Membership Affairs Committee has taken steps to bolster the membership numbers by testing a series of new membership initiatives:

- A test to improve retention by extending the maximum contiguous benefit periods of dues waiver for unemployed members from two to three years. The Committee on Economic and Professional Affairs (CEPA) will also actively promote career services to those receiving the unemployed member benefit. *This initiative has launched and unemployed members in their second year of the dues waiver are now receiving notice that they can keep their ACS membership for a third year at no cost.*
- A test to improve international recruitment by paying International Science Chapters \$15 for each new paid member recruited in their chapter area. The \$15 is the same as the amount given to local sections and divisions for recruiting new members through the President's Challenge. *The International Chapter initiative launched July 1, 2013.*
- Two tests to improve renewals by offering the options of 1) automatic annual dues renewal and 2) incremental payment of dues if the Regular Member also uses auto-renewal. *This project is in development with the Membership Marketing staff and Washington IT.*
- A test to increase the number of reinstating Regular Members by offering them an incentive. *The incentive being proposed is a limited-time offer to reinstate their membership for one, two, or three years and receive a discount. If a former member rejoins (within the specified period of the offer), for one year the discount would be 15%, if for two years then the discount would be 20%, and for three years the discount would be 25%.*
- A test to improve recruitment by discounting dues for new members who join onsite at non-ACS meetings. *Similar to the test above, 15%, 20%, or 25% discounts are being offered to first-time new Regular Members who join ACS and pay for one, two, or three years respectively at a non-ACS conference or meeting. Graduate Students are also being offered a 20% discount if they join at the time of these non-ACS meetings or conferences.*

Last year, one in five of the new members who joined ACS lived outside of the US. At the end of 2012, more than 15% of the entire membership lived in countries other than the US. Recognizing the richness and opportunity of global ACS membership growth, MAC and the International Activities Committee collaborated on a "Comment" for C&EN that highlights the programs, products, and services the Society makes available especially to international members. There is also a call for input to the two committees on other ways to serve and attract this audience.

At the Indianapolis meeting, the committee will be actively engaged in discussion about research into the renewal behaviors of ACS members and what Society programs, products, and services they value. The committee is also monitoring the impact of the Member Publications Benefits introduced in 2012 – ACS Universal Member Access provides all paid members with free access to 25 ACS Journal articles from the more than 1 million articles available. This year, the committee was pleased to have the opportunity to work with Chemical Abstracts Service to launch Sci-Finder as a member benefit – 25 activities free for each paid member. MAC is monitoring the impact of these new member benefits on overall retention and on the perceived value of ACS membership.

Wayne Jones, Chair



Rita R. Boggs  
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Carmen V. Gauthier

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James M. Landis, Jr.  
Halley Merrell  
Roger A. Parker  
Kevin Pate

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Herb Silber  
Paul Smith  
Ruth Tanner

Associates

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Pamela D. Kistler  
Melanie J. Lesko  
Claude L. Mertzzenich  
Thomas G. Richmond

Staff Liaison: Debora Fillinich

## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The official attendance at the 245<sup>th</sup> National Meeting in New Orleans, LA totaled 15,583. The exposition in New Orleans had 415 booths with 274 exhibiting companies.

Per the National Meeting Long-Range Financial Plan, the Budget and Finance Committee (B&F) approved the Committee on Meetings and Expositions' (M&E) recommendation that the Early Member Registration fee for the 2014 National Meetings be set at \$380.

The Board of Directors has established a Task Force on Financial Goals for National Meetings and Expositions. This group is to review and recommend appropriate methodology for establishing the ACS national meeting registration fee on an annual basis. In addition, develop a long range financial goal for national meetings that establishes an appropriate return on revenue guideline. This group will meet again on August 8 and plans to have recommendations by year end.

The Subcommittee on Expositions has recommended a price increase of \$100 for exhibit booth rental space, the full committee approved this recommendation effective Spring 2014. In response to exhibitor interest, the committee will evaluate the concept of streaming exhibitor workshops at national meetings to improve market access for the vendors and attendees to these presentations. At a decision will be made about exhibitor workshop recordings and streaming in Indianapolis after reviewing the vendor proposals.

In 2012, eight regional meetings were held which attracted more than 6,793 attendees. A total of 4,116 abstracts were presented.

M&E initiatives in Indianapolis will include:

- Expansion of the Presentations on Demand Area to present the most popular presentations and mural of participants to meet and attract attention to the product
- Reformatting the ACS Welcome Video to incorporate highlights that will be displayed throughout the Indiana Convention Center and shuttles.
- Sponsoring a promotion titled "Fueled by ACS." The promotion encourages student carpooling to attend the Indianapolis meeting with ACS documenting their experience, presenting them with a car magnet, and covering their gas purchase to and from the meeting. This offer is limited to the first **100** students to sign up and carpool with at least 2 other.
- Initiation of the Where's Professor Molenium Campaign - Become my friend on the ACS Network, vote on the Indy destination poll within the ACS Network and be entered to win a free Professor Molenium ACS Plush Doll.
- Evaluation of hotel, vendor, and Center sustainability initiatives that will serve as information for the development of the ACS National Meetings Sustainability Policy.
- Transforming the exhibitor workshops inside the Exposition to include break areas that exhibitors can use to host meal functions to meet prospective customers.
- Offering exhibitor webinars and education resources regarding marketing, using lead retrieval scanners, and shipping which were areas of exhibitor interest.
- Testing of the National Meetings mobile application in an effort to introduce to meeting attendees in 2014.

Will E. Lynch, Chair

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Emilio X. Esposito  
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Martha G. Hollomon  
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John M. Long  
Christopher Masi

Guenter Niessen  
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Wendy C. Flory	Robert A. Pribush
Warren D. Hull, Jr.	Linette M. Watkins
Steven W. Yates	

Staff Liaison: Alan Hutchins

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

The Committee on Divisional Activities (DAC) received a request from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces and Nanomaterials. Six divisions have registered opposition to the proposed name, largely due to the use of the term ‘nanomaterials.’ DAC will ask Council to vote on the new name in Indianapolis, with a recommendation to approve.

DAC is working with the International Activities Committee (IAC) to help divisions identify and pursue overseas opportunities that will help them advance their missions. As a key first step, a survey was sent to all divisions in July to produce an inventory of division activities that engage chemists outside the United States. Preliminary survey results will be shared with a DAC/IAC working group in Indianapolis.

In May, DAC discussed with the Board Committee on Professional and Member Relations (P&MR) recommendations addressing live streaming of national meeting sessions, delivery of pre-recorded presentations, division access to and capture/dissemination of content included in the ACS Presentations on Demand offering (including revenue sharing), and the capture/dissemination of other content not included in Presentations on Demand. Based on feedback from divisions, DAC acknowledged to P&MR that the recommendations dealing with streaming policies needed additional consideration and revision. DAC will work with M&E to update those streaming recommendations, and seek the endorsement of P&MR later this year.

DAC encourages division Councilors to remind their respective executive committees to encourage participation in MPPG, and reminds all Councilors of the upcoming national meeting themes.

<b>Meeting</b>	<b>Theme</b>	<b>Organizer(s)</b>	<b>Location</b>
247 <sup>th</sup> March 16-20, 2014	Chemistry and Materials for Energy	Michelle Buchanan & Nitash Balsara	Dallas, TX
248 <sup>th</sup> August 10-14, 2014	Chemistry and Global Stewardship	Robin Rogers	San Francisco, CA
249 <sup>th</sup> March 22-26, 2015	Chemical Resources: Extraction, Refining and Conservation	TBD	Denver, CO
250 <sup>th</sup> August 16-20, 2015	A History of Innovation: From Discovery to Application	TBD	Boston, MA

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Rodney Bennett  
Roger A. Egolf  
Semih Eser  
Paul T. Henderson  
Margaret A. Matthews  
Michael M. Miller

D. Paul Rillema  
Silvia Ronco  
Maria M. Santore  
Douglas J. Sawyer  
Julianne M. D. Smist  
Robert D. Tilton  
Jeanette M. Van Emon

Associates

James Carver  
Mary Ann Meador

Peter Rusch  
Dean Webster

Staff Liaison: John C. Katz

## **Name Change Request from Division of Colloid and Surface Chemistry**

At the Council meeting in Indianapolis, Councilors will be asked to vote on a name change requested by the Division of Colloid and Surface Chemistry (COLL). The Division wishes to change its name to *Division of Colloids, Surfaces and Nanomaterials*.

The general purpose of this document is to provide Councilors with information to help them cast an informed vote on this matter. More specifically, this document seeks to (1) summarize the key arguments both for and against the proposed name change, and (2) share how each division responded to DAC's request for comment on the matter.

### Background

In the summer of 2012, COLL advised the Committee on Divisional Activities (DAC) that the division wished to change its name from the "Division of Colloid and Surface Chemistry" to the "Division of Colloids, Surfaces, and Nanomaterials".

DAC alerted all 32 divisions of the COLL request prior to the 2012 Philadelphia National Meeting, and asked them to inform DAC of their position on the name change request. In the e-mail message, DAC concluded by stating, "*If we do not hear from your division, it will be noted as being neutral on the name change.*" The detailed results of this request for comment follow:

- (10) Neutral by virtue of not responding to the request for comment (ANYL, BIOL, CATL, CHAL, CINF, HIST, NUCL, RUBB, SCHB, TOXI)
- (9) Reported having "no objection" or "no opposition" to the name change (AGRO, BIOT, CHED, COMP, ENFL, ENVR, I&EC, MEDI, PROF)
- (6) Oppose the name change (AGFD, CELL, INOR, ORGN, PMSE, POLY)
- (4) Expressly reported in a response as being "neutral" on the matter (BMGT, CARB, CHAS, PHYS)
- (3) Support the name change (COLL, FLUO, GEOC)

DAC initially discussed the matter during its committee meeting in Philadelphia. Prior to the New Orleans national meeting, DAC reminded divisions about the current status of the COLL request, and invited divisions to comment on the matter during DAC's open meeting on Sunday, April 7. During that open meeting, DAC allocated time for representatives from COLL, other divisions, and committee members to comment on the proposed name change. Following the discussion, DAC voted to recommend approval of the proposed COLL name change to Council.

### Rationale from COLL for Changing Its Name

For 100 years, colloids have been defined as materials in the one nanometer to one micrometer size range, yet it is increasingly rare for scientists to use the term "colloid". Now, the terms "nanomaterial", "nanoparticle", "nanotube", etc. are used to describe what was once called a colloid. The United States federal government's National Nanotechnology Initiative states that "*Nanomaterials are all nanoscale materials or materials that contain nanoscale structures internally or on their surfaces. These can include engineered nano-objects, such as nanoparticles, nanotubes, and nanoplates, and naturally occurring nanoparticles, such as volcanic ash, sea spray, and smoke.*"<sup>1</sup> Recognizing that "nanomaterial" has become standard scientific terminology to describe the majority of colloidal materials, the Division of Colloid and Surface Chemistry proposes to change its name to the Division of Colloids, Surfaces and Nanomaterials. 90% of respondents to a COLL divisional poll voted in favor of this change when the proposal was presented to division members in 2012.

**Nanomaterials are at the core of the science that COLL has always embraced.** We recognize and acknowledge that other divisions include nanomaterials as a subset of their scientific mission, but nanomaterials are central to our mission, and therefore we believe that it is appropriate to use the word Nanomaterials in our divisional name.

The mission of ACS divisions is to advance the chemical sciences. In this case, that mission is served by ensuring that practitioners who work on nanomaterials are described by an appropriate and modern name, rather than solely by an archaic name. It is important that new scientists know the meaning of a Division name, and that the scientific community can easily recognize and utilize the Division's intellectual resources and vibrant research base.

<sup>1</sup> <http://www.nano.gov/nanotech-101/nanotechnology-facts> (accessed May 17, 2013)

Rationale from AGFD, CELL, INOR, ORGN, PMSE, and POLY for Opposing the Request

We oppose the COLL name change request for the following reasons:

1. Nanomaterials is a topic that has been featured in many divisions' technical programs for a number of years.
2. Our divisions are likely to lose nanomaterial presentations to COLL because its name will feature 'nanomaterials' while our division names will not. Consequently, COLL will establish itself as the central ACS division for papers on nanomaterials.
3. Similarly, our divisions are likely to miss out on new members from materials scientists specializing in 'nanomaterials' due to the presence of that term in COLL's proposed name, and the absence of the term in our division names.
4. Incorporation of nanomaterials into the name of one division would be divisive to ACS as a whole. Six divisions representing 32% of the division membership oppose this change. Further analysis of data collected when divisions were polled indicated that only three divisions representing 4% of division members actively support the name change, and 22 divisions representing 64% of division membership expressed neutrality on the issue, or expressed no opposition, or did not respond at all (DAC alerted divisions that no response equated to expressing neutrality). Additionally, the divisive nature of the proposed name change would be detrimental to ACS initiatives to encourage collaborative or multidisciplinary programming.
5. To approve this COLL request sets a precedent for name changes that encompass topical and emerging areas that are covered under the current remit for multiple divisions.

Updated 7.12.13

## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

The Committee on Constitution and Bylaws (C&B), acting for the Council, has issued certified bylaws to the South Carolina and Southern California Sections, and to the Romanian International Chemical Sciences Chapter. Since the last meeting in New Orleans, C&B also reviewed proposed bylaw amendments and submitted preliminary reports to the Alabama, Erie, Jacksonville, Lake Superior, Northeastern Ohio, Rochester, Trenton, and Western Maryland Local Sections. In addition, the committee reviewed proposed bylaws for the Rocky Mountain Region.

Councilors, we recently rejected bylaw changes from a local section that did not contact C&B before their members voted on bylaw amendments. Your section's bylaws must be consistent with the ACS Governing Documents. At every Council meeting, C&B informs and urges Councilors to contact C&B regarding bylaw changes *before* your unit members vote on the changes.

One third of all divisions and more than one half of all local sections have not updated their bylaws since 2006. This means that these divisions and local sections cannot conduct their elections online or through other electronic means; they must conduct elections through U.S. mail. Because all bylaws are posted on the web ([www.acs.org/bulletin5](http://www.acs.org/bulletin5) - click on unit bylaws), everyone can see which divisions and local sections have outdated bylaws. We urge you to work with C&B to update your bylaws so that your members can conduct their elections electronically. Please contact C&B at [bylaws@acs.org](mailto:bylaws@acs.org); we are happy to work with you and can walk you through the process.

Guideline documents for local sections and divisions are also posted at the above link. C&B recently sent proposed changes in the guideline documents to DAC and to LSAC for approval at this meeting.

As a reminder, the online version of the ACS Governing Documents (Bulletin 5), effective as of January 1, 2013, is available at [www.acs.org/bulletin5](http://www.acs.org/bulletin5). This can be searched easily and you can copy and paste only those portions that you might find of interest.

There are no petitions either for Action or for Consideration 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 27**, to be included in the Council agenda for the spring 2014 meeting in Dallas.

ACS members are invited to attend C&B's open meeting on Sunday, September 8, from 1:00 to 1:30 pm, when the Committee will discuss the issues on its agenda, including expedited bylaw reviews, and any other matters that Councilors and other members may wish to discuss with C&B.

Harmon B. Abrahamson, Chair

Mark A. Benvenuto  
Kenneth G. Brown  
Matthew K. Chan  
Donna G. Friedman  
Herbert S. Golinkin  
Stan S. Hall

Donald K. Harriss  
Eckhard Hellmuth  
Virgil J. Lee  
Paul D. Schettler  
Walter O. Siegl  
Paul F. Vartanian

John A. Whittle  
Associates  
Stan S. Hall  
Virgil J. Lee  
Paul D. Schettler  
Paul F. Vartanian

Associates  
V. Dean Adams  
Dee Ann Casteel  
Blake Vance

Staff Liaison: Barbara F. Polansky

## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

As the outgoing Chair of the Committee on Economic and Professional Affairs (CEPA), I have effectively been let go. In that way, I have something in common with our colleagues, the more than 25,000 displaced workers in the pharmaceutical and chemical industries since 2008.

In my oral report, I will tell of the decrease in unemployment among chemists over the last year, and some of CEPA's new programs. This is good news, but our work is far from done. The unemployment rate for new chemistry graduates is still alarmingly high, and we have a huge backlog of serial postdocs and long-term unemployed who need a way to merge back into the workforce (remember when you had never heard the term "long-term unemployed"?). We are in danger of losing hundreds of young and experienced chemists, their knowledge, and their potential from the workforce entirely. As a nation, we cannot afford to give up that resource. After WWII, chemistry powered an industrial and economic revolution in the U.S.—contributing more than 30 % to the GDP. Today, chemistry's contribution is down to just over 25%. While still large compared to other industries, our fire should be burning brighter, not dwindling into twilight. Our competitive advantage as a nation is in our people and our intellect, our passion and our perseverance. No other place in the world is the workforce so diverse, so dynamic and so intellectually enriched. So why are we losing new graduates and new ideas, and turning our backs on experienced professionals, when our fires need to be stoked, and our GDP fed?

During the Council meeting in Indianapolis, ACS President Wu will introduce a special discussion topic to the floor: "What can we – as the Society and as individual citizens – do to help create jobs or create demand for chemists?" I urge you to think long and hard about the answers to this question. As Councilors, ask your constituents about the many ways that we are losing members of our profession, and identify solutions. For example, we are in danger of losing an entire generation of potential professors at research intensive universities. Because of the "sequester", the probability of receiving a major grant prior to tenure evaluations now astonishingly low. A few universities have recognized this reality and are granting extensions or lowering the funding amounts required for tenure, but most departments have not faced the dire reality. The reality will not hit them until the train wreck is over, it's too late, and the people are gone.

As researchers, we have found ways to harness the power of massively parallel processors to solve complex problems, using simple processors that become something much greater when connected together and focused on a single problem. What if we use this same approach to collectively capture the computational power of more than 163,000 chemists, each focused on the problems that face our workforce, our colleagues, our friends? We have many challenges as a Society, but as scientists we are trained to identify and define problems, then discover solutions. What problem could be more worthy of our attention and energy than the very future of our profession, and our nation?

Lisa M. Balbes, Chair

John R. Berg  
Mark Blankenbuehler  
J. Scott Daniels  
Dana Ferraris  
Anne M. Gaffney  
Tiffany N. Hoerter  
Donna Huryn

Anne M. Kelly  
Diane M. Kneeland  
Jan E. Kolakowski  
Louise M. Lawter  
Philip J. Reid  
George W. Ruger  
E. Thomas Strom

Rachel Theall  
John R. Vercellotti  
Sharon Vergez Vercellotti  
Philip Verhalen  
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## Professional Employment Guidelines

### 9TH EDITION

#### Foreword

This is the NINTH EDITION of the Professional Employment Guidelines of the American Chemical Society (ACS). These Guidelines were prepared by the Council Committee on Economic and Professional Affairs, approved by the Council and adopted by the Board of Directors. Previous editions were adopted by the Society in 1975, 1978, 1983, 1988, 1993, 1998, 2004, and 2008.

The Guidelines offer a broad spectrum of recommended practices in employment for professional scientists and their employers. They include four major sections: Beginning Employment, Employment Environment, Professional Development, and Involuntary Separation.

Some of the special academic employment relationships are dealt with separately in a companion document, the ACS Academic Professional Guidelines, the most recent edition adopted in 2013. Whereas the Guidelines recommend appropriate practices for a variety of employment circumstances, they explicitly do not include many situations already covered by federal or state statutes. We assume that chemical professionals and their employers follow the law. However, the ACS does hereby assert that employment, compensation, and advancement of a chemical professional should be based on professional capabilities alone, and that gender, race, ethnicity, national origin, religion, age, sexual orientation, gender expression, gender identity, presence of disabilities, or any other factor not relevant to the position, should not be a consideration in hiring, firing, or any evaluation of job performance. The ACS opposes all forms of discrimination and believes that employment should be based solely on professional qualifications and job performance.

The American Chemical Society, the world's largest association of professional scientists, has the opportunity to lead in articulating standards of employment for scientists. We believe these Guidelines represent a fair and just balance between the legitimate interests of employers and professional employees, and recommend that these Guidelines be accepted and implemented.

#### Introduction

Successful employer-employee relationships enable employers to achieve their business objectives and employees to remain professionally competitive. The employer-employee relationship should be characterized by mutual expectations, respect, support, and shared goals throughout its duration. ~~While the employer-employee relationship lasts, and especially when it is being terminated, it should be characterized by mutual respect and support.~~

The Professional Employment Guidelines of the American Chemical Society are recommended practices for employment and are intended to foster productive working relationships between chemical professionals and their employers. The ACS advocates the application of these guidelines to promote the security, productivity, and economic well-being of chemical professionals and their employers.

## Definition of a Chemical Professional

For the purposes of this document, a chemical professional is a person who is eligible for ACS membership. A contract employee and the contract agency providing the contract employee's services to third parties are considered to be "chemical professionals" and employer, respectively, in applying these guidelines. While the third party may meet some of the criteria described herein, it is the responsibility of the contract agency to ensure their application.

## Beginning Employment

The process of hiring, or being hired, is the key time to establish expectations between chemical professional and employer. Both parties are urged to follow practices which demonstrate professional conduct and initiate a good working relationship.

The employer should list the duties and responsibilities of the available position(s) as well as the qualifications required of the potential employee.

- Prospective employees should apply only for positions for which they genuinely believe they are qualified and have serious interest. The chemical professional should not abuse the funds or facilities of a current employer for the purpose of seeking new employment. Nor should the chemical professional abuse the funds and facilities of a potential employer.
- Upon request, the prospective employee should provide accurate background information, including education, qualifications, employment history and interests, so that proper evaluation can be made. The employer has an obligation to respond promptly to correspondence from the prospective employee, including acknowledgment of the initial application and receipt of documents needed for proper consideration of the applicant. The employer should notify unsuccessful applicants for employment promptly when they are no longer being considered.
- Any interview expenses to be reimbursed should be reported accurately by the prospective employee. If more than one employer is visited on an interview trip, expenses should be prorated fairly.
- The offer of employment and associated compensation should be based solely upon prior applicable education, training and experience, and current professional competence and performance. ~~without regard to gender, race, national origin, religion, age, sexual orientation, gender expression, gender identity, physical disability, or any other factor not relevant to the position.~~
- Conditions of employment should be described fully and accurately to the prospective employee. A copy of the proposed employment contract or agreement and a summary of company policies, including professional liability, and benefits, should be supplied to the chemical professional at the time an employment offer is made. ~~The employer should notify employees, in writing, of the employer's policy on professional liability.~~ The written offer should be consistent with the employer's oral description of the position made at the time of interview. If not, any differences should be clearly stated. Special conditions for the continuation of employment, such as temporary funding or outside contracts, should be specified.
- The chemical professional is obligated to promptly respond in writing to an offer of employment and honor an accepted offer. The employer is obligated to honor a written and accepted offer of a position.

## Employment Environment

### 1) Benefits

Comprehensive benefit plans, as part of total compensation, should be provided. These should include health, disability and life insurance; personal, sick and family leave; paid holidays and vacations; and financial assistance and planning for retirement ~~and a retirement plan that includes both pension and insurance~~. Benefits for special employment situations might be less comprehensive than benefits provided to full-time permanent employees. Benefit plans should be equivalent for employees in the same position.

- Employers should provide access to both health care and disability insurance plans. Professional employees should become eligible for coverage as soon as possible after starting but certainly within 90 days. Employers should provide access to a retirement plan; for example a 401k plan. Vesting of employer matching funds should increment over time to 100% within 5 ~~6~~ years. Eligibility to participate should occur within 1 ~~two~~ year of employment. These plans should follow the Employee Retirement Income Security Act (ERISA) guidelines. Should employees have a defined-benefit retirement plan, the plans should follow the recommendations set forth in the ACS Policy Statement on Retirement Security.
- Permanent part-time employees should be provided with adjusted benefit programs that are at least proportional to the programs for full-time employees.
- The employer should offer employee-assistance plans that provide options for special arrangements, such as personal leave, flexible work schedules, and part-time employment. The chemical professional should be informed at the time of employment which of these considerations are available and how they may be granted.
- If a company or institution is purchased by or merged with another, an employee's years of service should be calculated from the date employed by the initial company or institution. When an employer re-hires a chemical professional, the employee's years of service before the interruption should be restored immediately for the purpose of determining service-related benefits.
- In the event that the employer requests relocation of a chemical professional, relocation costs should be the responsibility of the employer.

### 2) Intellectual Property

The chemical professional must respect and maintain the confidentiality of the employer's trade secrets and all proprietary information both technical and business related. Legal obligations of the chemical professional to the employer should be stated clearly in an employment agreement.

- The chemical professional should inform a new employer of any previous employment agreements and should exclude the trade secrets or proprietary information of previous employers from new employment agreements. The chemical professional should not seek or accept employment that involves using or divulging any trade secrets or proprietary information.

- The chemical professional should expect that all inventions created during the time of employment are the intellectual property of the employer ~~The chemical professional should promptly disclose and convey title to all inventions to the employer~~ if: the employer provides compensation, space, time, labor, or equipment in pursuit of the invention; the invention involves a product or process of the employer; or the invention relates directly to the business of the employer.
- The employer should not assert title to inventions that: were developed on the employee's own time; did not involve the employer's equipment, facilities, supervision, or trade secrets; and do not relate directly to the business of the employer. An employee may consider negotiating the rights to commercialize the technology with the employer.
- The employer should encourage the chemical professional to publish work in scientific journals and to present findings at scientific meetings, and support those activities. It is the responsibility of the chemical professional to obtain appropriate approvals from the employer before submitting work for publication or presenting findings at scientific meetings. Copyright should be assigned appropriately.

### 3) Workplace Atmosphere

The employer should maintain a work environment that enables the chemical professional to make the best professional contributions. The chemical professional and the employer should both strive to foster a safe, stimulating and productive work atmosphere.

- The chemical professional should perform assignments diligently, judiciously, safely, and ethically, utilizing creative and resourceful ideas for the benefit of the employer. The employer should establish special recognition programs for employees who demonstrate outstanding competence and performance.
- The chemical professional should give appropriate credit to colleagues who contribute to technical accomplishments.
- Unacceptable performance should immediately be brought to the chemical professional's attention.
- The chemical professional and the employer should not tolerate any physical or verbal harassment. Offensive comments or behavior related to a disability or of a sexual, cultural, religious or racial nature, and statements or actions leading to a hostile or offensive work environment, are unacceptable. Written guidelines on harassment should be distributed and posted, and staff should be periodically educated about these guidelines.

### 4) Change in Employment Status

- The employer should, by appropriate business practices, provide stable employment and avoid terminating employees whenever possible except for cause. The employer should inform the chemical professional, whenever possible, of current and future organizational business and research objectives with appropriate data which could have an impact upon the chemical professional's work or career. The chemical professional should be prepared to adapt to the employer's changing business and research objectives.

- Equal consideration should be given to (and by) both the chemical professional and employer when giving notice of a change in employment status for reasons other than cause.
- In order to maintain continuity of function for the employer and a dignified change in employment status for the chemical professional, a written advance notice of two weeks should be the minimum invoked by either party.
- Before a change in employment status, the chemical professional should provide the employer with all records of technical work accomplished and in progress, including publications, invention disclosures, lab notebooks, technical data, and other related documentation. The employee should also return to the employer all supplies and equipment, such as chemicals, computers, etc. purchased by the employer.

#### 5) Safety, Health and the Environment

Chemical professionals are responsible for working safely and employing all necessary safety procedures in the course of their professional duties. The employer is responsible for providing appropriate information, physical facilities and equipment that enable the chemical professional to work safely, comfortably and efficiently. The chemical professional is responsible for seeking information on the safe handling of chemicals and equipment with which they work.

- The chemical professional should inform the employer and coworkers in writing and/or verbally, as appropriate, of any immediate or potential safety or health hazards.
- The chemical professional should inform their employer of the need for safety education and training for specific high hazard materials, if they do not have experience in working with these materials.
- The chemical professional should be able to recognize, assess, and minimize the risks of hazards in their work, and be prepared to react in the event of emergencies. The employer should inform their employees of hazards in their workplace and the steps to minimize the risks of exposure to these hazards.
- All appropriate personnel should be trained in the proper handling of material and equipment and all pertinent safety procedures to minimize risks.
- The chemical professional must not use alcohol, tobacco products or any other drug, legal or illegal, in such a way as to endanger others or adversely affect professional performance in the workplace.
- ~~The chemical professional and the employer should both work to minimize risks to the environment.~~ The chemical professional and the employer should strive to ensure that products and processes are safe and that potential hazards to human health or the environment, including air emissions, water effluent, and discharges to land should be minimized, properly identified, and handled in such a way as to protect the environment. Employers should conduct appropriate environmental studies to ensure the health and safety of their workers and the surrounding community.

## 6) Performance Reviews, Advancement and Compensation

Management should periodically review each chemical professional's performance and capabilities and, within the framework of job requirements, make assignments to best use the employee's knowledge, skills, and abilities. The performance review should be a thorough, objective evaluation of job performance. During the review process, the chemical professional should have the opportunity to provide input on his/her long-term goals. This input should be considered when planning any projects, activities, or professional development opportunities in the upcoming year.

- Formal performance reviews of the chemical professional should occur at least annually. Judgment of the chemical professional's performance should be rendered by a direct supervisor. The reviewer should also consider the evaluation of the chemical professional's performance by other appropriate supervisors, peers, and direct reports.
- The reviewer has the responsibility to discuss fully and promptly with the chemical professional any unacceptable performance and to document the results of this review. Confidential written records of such reviews should be signed by the employee and the reviewer to indicate that the review has been discussed with the employee. An action plan and time table for improving performance to acceptable standards should be documented and implemented.
- Employers should hold all employees fully accountable for safety in their performance reviews.
- The employer should provide the employee, upon request, access to that employee's personnel files, and protect it from unauthorized access by others. Copies of employee's documents should be made available to the employee at no cost to the employee.
- Compensation and advancement should be based solely upon professional competence. ~~without regard to gender, race, national origin, religion, age, sexual orientation, physical disability, gender expression, gender identity, or any other factor that is not relevant to the position.~~

## Professional Development

Chemical professionals are responsible for managing their own careers. To maximize their value to their employers and maintain employability, employers should encourage and support their chemical professionals to develop and maintain technical competence via courses, scientific meetings and other means.

- Employers should encourage their chemical professionals to actively participate in appropriate technical societies. The chemical professional should be allowed sufficient time, consistent with the performance of regular duties, to participate in both the technical and administrative activities of such affiliations.
- The chemical professional should be encouraged to interact with other professionals in the field to enhance the individual chemical professional's capabilities.
- The employer should encourage professional development throughout a chemical professional's career by providing reasonable financial assistance, including compensated leaves of absence, to employees for training to meet present or potential organizational responsibilities, obtain an academic degree related to such assignments, or maintain or improve scientific knowledge.
- Employers should encourage attendance at conferences relevant to the employee's position. Presentations and publications should be encouraged where appropriate. If the employer is unable to reimburse employee expenses, it is recommended that paid time off be given to attend the conference.

- The employer should incorporate sufficient time for training for job-related performance and other professional responsibilities into the job.
- The chemical professional should serve the public by using professional specialized knowledge to advance the welfare of the community. Such participation should be undertaken solely as the responsibility of the individual, unless specifically acting on behalf of the employer. The employer should respect the right of the chemical professional to participate as an individual in political and community activities.

### Involuntary Separation

Except for the final section herein, the Professional Employment Guidelines do not apply to involuntary termination for cause. However, when a chemical professional is involuntarily terminated for any reason, care should be taken to assure the dignity of the employee. ~~during this difficult time.~~

- In order to maintain continuity of function for the employer and a dignified termination process for the chemical professional, a written advance notice of four weeks is preferred. A two week advance notice should be the minimum invoked by the employer.
- Upon notice of termination, the employer should detail, in writing, the benefits available to the terminated chemical professional under present law, including coverage extension of medical, dental, vision, and life insurance, some or all of which may be offered by the employer. During this time, the employee should be entitled to continue to accrue vacation and pension benefits.
- The employer should notify the terminated chemical professional in writing of rights and obligations regarding pertinent patents, planned patent applications, and publications, and provide assurance that the employee's rights and interests in these matters will be protected.
- The terminated chemical professional should provide the employer with all records of technical work accomplished and in progress, including publications, invention disclosures, and other related documentation, and also arrange for disposition of chemicals, computers and other materials that will no longer be required. In return, the employer should provide the employee a reasonable length of time to leave the premises and allow them to take personal effects and information.
- If an employer reorganizes operations involving chemical professionals, every effort should be made to offer the affected chemical professionals other suitable positions within the organization. Appropriate additional training and education should be provided to facilitate such transfer. If no other positions are available, the chemical professional should be given assistance in finding employment elsewhere through use of appropriate outplacement services.
- If the employer seeks to encourage chemical professionals to retire, this should be done solely by means of offering an adequate financial incentive.
- A chemical professional terminated for any reason other than cause should receive severance pay consisting of at least two weeks' salary for each year of service. Such severance pay is beyond the regular pay provided for work during the advance notice period and beyond any accrued vacation pay.



- No chemical professional should be terminated for inadequate performance or for cause without documented evidence. The chemical professional about to be terminated for cause should be given the opportunity to review the specific charges and to respond to them. This evidence should be reviewed by human resources and at least one level of management above the immediate supervisor, provided such levels exist. When inadequate performance is alleged, the opinions of appropriate professional peers should also be sought and considered.

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**ACS Council Special Discussion  
ACS Indianapolis National Meeting—September 11, 2013**

***What can we – as the Society and as individual citizens – do to help create jobs or demand for chemists?***

With the challenging employment environment for ACS chemistry professionals, ACS members are banding together to increase the number of jobs available in several ways. Most substantially, the Society maintains a vigorous public policy advocacy effort, through which members can help influence the climate for innovation, economic growth, and jobs. A little over two years ago, we also launched an Entrepreneurial Initiative to encourage and nurture the development of new enterprises employing chemists. The materials below provide a brief summary of these ongoing activities.

The focus of the current discussion is for the Council to consider what else we can do – as the Society and as individuals – to help create jobs or demand for chemists.

**ACS Public Policy Efforts to Create an Environment Conducive to  
Employment Opportunity Creation**

ACS has several official public policy position statements that, if enacted by the federal government, would help create an environment favorable to job creation in the science, technology and innovation sectors. These statements, developed by various committees and adopted by the Board of Directors, collectively lay out an agenda to improve the environment for U.S. chemical employment. Listed below are talking points for key ACS innovation, economic growth and job creation policy positions and the advocacy routes ACS and its members regularly use to seek implementation of those policy positions.

**ACS Policy Positions Relevant to Innovation, Chemistry, and Jobs ([www.acs.org/policy](http://www.acs.org/policy))**

***Innovation and Entrepreneurship***

- Since the 1950s, more than half of America's economic growth has been tied to scientific discovery and technological innovation. Our nation has fostered a highly creative environment that pioneers new markets, e.g., aerospace, the Internet, personalized medicine, etc. American innovation has been highly entrepreneurial, spawning start-up businesses and allowing larger companies to revitalize their product lines via acquisition of smaller firms' technology and talent.
- Innovation is America's greatest strength and the envy of other nations who often undertake a practical approach: innovate via improved engineering, providing high-end custom design to meet specific customer demands, and meet identified market priorities, rather than innovation spawning new markets.
- For the U.S. to continue in this vein, government, academic, and industry leaders must work together despite present economic limitations. America's creative approach to innovation depends on (1) funding of science and technological research; (2) developing a talented workforce that is well educated in science, technology, engineering and math (STEM) disciplines, and (3) providing a healthy, competitive business climate.

***Funding of Science and Technology***

- In March, mandatory federal budget cuts, known as sequestration, went into effect, making substantial impacts to the budgets of science funding. Unless Congress develops a bipartisan, balanced approach to future budgeting, annual sequestrations are scheduled to last a decade.
- ACS continues to lead among the science societies and federal agencies in advocating for predictable and sustained support for federal science funding. The previous position to support doubling is no longer tenable.
- It is noteworthy that countries such as Germany, Finland, China, and India contribute a larger proportion of their federal budgets to scientific research.

### ***Science Education***

- Well-educated scientists and engineers drive the technological development that fuels America's competitive edge in the global marketplace. Robust education in science, technology, engineering, and math (STEM) must occur at all levels from elementary to graduate, via formal and informal opportunities to create the talented workforce we need.
- Several nationally recognized reports have called for reforms to our higher education system. Too many students are enrolling in STEM majors, but are not completing their studies or are graduating ill-prepared for current jobs or entrepreneurial opportunities.
- Too many K-12 students have science teachers who are not trained in the sciences

### ***U.S. Business Climate***

- The nation's chemical industry is a \$674 billion enterprise that generates nearly 11 percent of all U.S. patents. Historically, the largest chemistry employers have been large, publicly owned companies. However, the world is now a much more competitive place than even 10 years ago: only two of the top ten chemical companies with the highest R&D investments are U.S.-based.
- Domestic expansion of companies and encouraging start-ups and small businesses is vital. This improves the chemistry enterprise and national fortunes by creating high-skill, good-paying jobs.
- In Tax and Trade, ACS supports an internationally competitive research tax credit. Likewise, ACS advocates incentives to keep businesses and jobs inside the U.S., and provide preferential tax treatment for repatriated income invested in U.S. based technological development.
- ACS supports technology transfer and support of commercialization spurred by research and infrastructure investments, innovations centers, and the national laboratories. Likewise, grants and low-interest loans to mitigate the high cost of start-ups and retooling businesses.
- ACS supports small business stimulating policies by expanding programs such as the Small Business Innovation Research (SBIR) grants, Small Business Technology Transfer (STTR) grants, and related programs that make direct investments in small businesses more readily available.

### **ACS Advocacy Routes**

#### ***Act4Chemistry Network*** [www.act4chemistry.org](http://www.act4chemistry.org)

- ACS' legislative network with 14,000+ members to stay informed and weigh in on high-priority issues that impact the chemical enterprise.
- Suite of tools and programs that provides support to individual members, local sections, state committees, and other groups.
- An easy way to advocate for chemistry and takes only minutes to join!

#### ***State and Federal Government Affairs Committees (GACs)***

- In a number of states, state and federal government affairs committees are operating under ACS Office of Public Affairs guidance.
- GAC members receive state and federal policy updates, have the opportunity to partake in state legislative summits, federal district meetings and other grassroots opportunities.
- The GAC system allows for a more in depth level of engagement beyond the Act4Chemistry network.

***Congressional Fly-Ins***

- ACS regularly facilitates member visits with congressional and federal agency policymakers
  - *Congressional Visits Day (CVD)*
    - This year was the 14th Congressional Visits Day (CVD). An annual event bringing together scientists, engineers, researchers, educators, and technology executives, CVD aims to raise visibility and support for research funding in Congress. Uniquely multi-sector and multi-disciplinary, CVD is coordinated by coalitions of companies, professional societies and educational institutions.
    - Congressional Visits Day is produced by the Science, Engineering & Technology Working Group (SETWG), a coalition of scientific & professional societies, institutes of higher education and trade associations and chaired by American Chemical Society staff.
  - *ACS Legislative Summit*
    - The Legislative Summit is an event unique to ACS.
    - ACS Board and other governance members participate in a day of policy briefings, then participants meet with Congressional and Agency offices to advocate on behalf of the chemistry enterprise.

***Coalitions*** (ACS helps lead and actively participates in these coalitions)

- ***Coalition for National Science Funding***
- ***Energy Sciences Coalition***
- ***Coalition for National Security Research***
- ***R&D Tax Credit Coalition***
- ***Task Force on American Innovation***
- ***Council on Competitiveness***
- ***Research! America***

***Outreach & Awareness Creation*** (ACS communicates policy positions and seeks alliances)

- ***American Chemistry Council***
- ***Pharmaceutical Research and Manufacturers of America***
- ***Biotechnology Industries Organization***
- ***National Association of Manufacturers***
- ***Angel Investors Association***
- ***Venture Capital Association***

### ACS Entrepreneurial Initiative

The ACS Entrepreneurial Initiative was started 16 months ago as a pilot program to explore ways that the Society could support and promote entrepreneurial activity in the chemical sciences. The initiative consists of two main programs The Entrepreneurial Training Program (ETP), and the Entrepreneurial Resources Center (ERC). Both programs were recommended by ACS President Joseph Francisco's Task Force on Innovation and Job Creation. The full report can be downloaded online at: [www.acs.org/CreatingJobs](http://www.acs.org/CreatingJobs). Both the ETP and the ERC are member-only programs.

The mission and goal of the Entrepreneurial Training Program (ETP) is to provide ACS members with valuable training to advance their interest in pursuing entrepreneurial careers. To date, the ETP has accepted 63 trainees out of the 129 people who applied through a competitive selection process. Trainees received training from chemical entrepreneurs and business professionals on the basics of starting a chemical business. Foundational curriculum for the course was licensed from the Kauffman FastTrac program. The Kauffman Foundation is synonymous with entrepreneurship in the U.S., and their support of this program is both acknowledged and appreciated. Graduates of the program have been very appreciative of the training they received rating the program higher than any other career or development program in the history of the Society.

*"I've participated in the ETP, and because of what I have learned ... I can do things that entrepreneurs that have been in business for ten years can't do."*

*Melinda Toumi, Entrepreneurial Training Program (ETP) participant*

The Entrepreneurial Resources Center (ERC) is a virtual marketplace of entrepreneurial resources, where free, shared-cost, or reduced-cost access to ACS's scientific information resources (CAS SciFinder and ACS Publications' journals), ACS member expertise, and ACS's key professional service providers (e.g., attorneys, finance, IT, human resources, and marketing) is provided to program participants. Participants can use these tools to plan, create, launch, operate, and grow their chemical start-ups. The Center provides participants with introductions to successful chemical entrepreneur mentors, sources of capital, and larger chemical innovators. The Center's use of ACS's core strengths in this manner provides ERC participants with a unique environment for accelerating the planning, creation, and growth of chemical start-ups. To date, 39 chemical start-ups have been accepted into the center from the 53 applications received. The ERC has also been well received by participants.

*"I would like to add that this has been a valuable resource for our company, just in the last few weeks we have made connections with potential investors."*

*"This is a resource that needs to be growing and have more companies in it."*

*Edward Olano, Entrepreneurial Resources Center (ERC) Participant*

Additionally, the Entrepreneurial Initiative has supported a West Coast showcase where entrepreneurs were given the chance to pitch their start-ups to potential investors, and an ACS Entrepreneurs Summit which brought together industry leaders, educators, government program representatives, and entrepreneurs to address the needs and opportunities for startups in chemistry.

The current pilot program has been funded through 2013. A proposal for the continuation of these programs is pending approval from the Committee on Budget and Finance and the ACS Board of Directors.

A. Younger Chemists  
(joint with Board)

The Younger Chemists Committee (YCC) met in New Orleans, on April 5 & 6, 2013. YCC continues to promote its vision to lead younger chemists into successful careers and active roles in ACS and the profession.

During the New Orleans national meeting, the committee ratified an updated strategic plan and mission statement. Our new mission statement reads, “The Younger Chemists Committee advocates for and supports younger chemists, from students through early career professionals, to positively impact both the ACS and the broader chemistry enterprise.” The YCC periodically updates our strategic plan to both maintain alignment with the Society’s plan and ensure the committee is best fulfilling its charter. For this update, we partnered with the ACS Leadership Advisory Board and held a strategic planning retreat. We are happy to report that the retreat was an extremely in-depth and effective means of reviewing and revising our committee’s goals and activities with regard to our charter, constituency, and the Society. The retreat facilitators did an excellent job working with and keeping the committee on track throughout the process. Their pre- and post retreat work was instrumental in the process. We encourage other local sections, committees, and divisions to consider a facilitated strategic planning as they undertake their own strategic planning processes.

With our new strategic plan in place, we are working to ensure that the committee’s activities substantially align with our vision and mission as well as advance the overall Society’s goals. In an effort to increase the connection between the national and local section YCCs, the national YCC partnered with ACS Webinars and ACS Careers to develop a Webinar-in-a-box program. This program sent Local Section Younger Chemists Committees (LSYCCs) a box containing all the materials needed to host a webinar event; making it simple for younger chemists to organize an event. The inaugural webinar-in-a-box program, Dennis Guthrie’s “Secrets from the Other Side: What Recruiters Know that You Don’t,” was so well received and that we sponsored a second program in February 2013 entitled, “A Date with Science: Dinner and Dessert Chemistry.” This program was overwhelmingly successful with over 4,000 younger chemists participating in the event. Looking ahead, the national YCC is again partnering with ACS Webinars and ACS Careers to bring two more webinar-in-a-box programs to LSYCCs. Join us for, “Putting Your Best Foot Forward: Managing Your Paper and Online Resumes” on October 8<sup>th</sup> at 7 pm EST and mark your calendar on February 11<sup>th</sup> at 8 pm EST for “Decoding the Pheromones – The Chemistry of Love Potion #9”.

We are also partnering with local sections in national meeting host cities to provide an opportunity for younger chemists to program at an ACS national meeting. In New Orleans, the younger chemists from the New Orleans local section YCC local section organized the symposium, “Hot Topics for Younger Chemists,” which was well attended and marked only the second time that a local section YCC has had the opportunity to sponsor a symposium at the national meeting in their home city. Please be sure to stop by the symposium organized by the Indy LSYCC during the Indianapolis national meeting. Plans are already underway for the symposium in Dallas, but ideas for topics and speakers are always welcome.

YCC is always looking for new ways to get younger chemists involved in ACS. We invite you to visit the YCC website (<http://ycc.sites.acs.org/>), follow us on Twitter, friend us on Facebook, or connect to us on LinkedIn for up-to-date information about our activities here in Indianapolis as well as upcoming awards, events, and activities.

Dorothy (Dotti) Miller, Chair

Neal Abrams  
Omar Asensio  
Jens Breffke  
Stephen Canham  
William Case  
Dionne Dickson  
Elise Fox  
Doug Hausner  
Waisu Lawal

Kathryn Leach  
Taina Matos  
Christine McInnis  
Harish Parihar  
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Danielle Scheuhler-Sherwood  
Joelle Wells  
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B. Women Chemists  
(joint with Board)

In Indianapolis, the Women Chemists Committee (WCC) will be organizing a symposium entitled "24th Anniversary of the WCC/Eli Lilly Travel Award." This program started 24 years ago, and supported by Eli Lilly and Company, has provided funding for over 600 undergraduate, graduate, and postdoctoral female chemists to travel to national meetings in order to present the results of their research. The WCC continues to support this program in order to achieve our goal of increasing participation and retention of women in the chemical sciences and related disciplines. The symposium on Monday September 9<sup>th</sup> will feature past award recipients who will describe how the travel award positively impacted their careers.

The WCC continues to be an active participant of the Chemical Entrepreneurship Council (CEC). This collaboration with other ACS Committees and Divisions as well as the National Collegiate Inventors and Innovators Alliance (NCIIA) has allowed the WCC to leverage resources to help women scientists develop new professional pathways and therefore aid in the important subject of retention. At Indianapolis, the WCC is proud to cosponsor a technical session on Tuesday September 10<sup>th</sup> entitled, STEM Women in Innovation and Investing. This panel discussion features successful women in the STEM and investing fields and will aid women in gaining the necessary skills required for translating research into commercial innovations,

In addition to the above events, on Monday September 9<sup>th</sup> the WCC will host Lynn Zettler at the Women in the Chemical Enterprise Breakfast. She will provide a fun, interactive presentation/workshop on the Myth of Work/Life Balance. Come and learn more about the ABCs of living your fulfilled life. At the WCC Luncheon on Tuesday September 10<sup>th</sup>, we will present the 13th Overcoming Challenges Award and recognize the recipients of the 2013 fall Eli Lilly Travel Award during the WCC/Eli Lilly Poster Session and Reception, prior to the luncheon. Our keynote speaker will be Dr. Christina Bodurow, Senior Director External Sourcing Eli Lilly and Company and past WCC Chair. On Tuesday afternoon, the WCC is pleased to be continuing the WCC Just Cocktails program following the STEM Women in Innovation and Investing session. This reception will afford opportunity for networking following the event.

The WCC continues to be leaders in attracting, developing, promoting, and advocating for women in the chemical sciences and related disciplines.

Judith Cohen, Chair

Samina Azad  
Novella N. Bridges  
Amber F. Charlebois  
Amy C. DeBaillie  
Kelly M. George

Judith M. Iriarte-Gross  
Amy Nicely  
John G. Palmer  
Bevin W. Parks  
Laura S. Sremaniak

Christine S. Chow  
Maureen A. Kane  
Ellen A. Keiter  
Gail H. Webster

Amy Baliya  
Renee S. Cole  
Judith C. Giordan  
Lisa Houston  
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Dawn A. Shaughnessy  
Kimberly A. Woznack  
Nonye Onyewuenyi

Alice Lurain  
Cecilia E. Marzabadi  
Mary Jane Shultz

Consultant

Teri L. Quinn Gray

Staff Liaison Brittny Humprey



### C. 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

CTA sponsored the National Chemical Technician Awards banquet on Sunday, April 7, 2013. The winner of this year's award was Shane Kirk, Technologist Associate, Eastman Chemical Company. Mr. Kirk is the 25th recipient of this annual award, which is presented in recognition of outstanding technical and communication skills, safety, reliability, leadership, teamwork, publications, and presentations.

CTA is now accepting nominations for the 2014 National Chemical Technician Award. Nomination packets for 2014 nominees are due by September 30, 2013. For more information about the NCTA visit [www.acs.org/ncta](http://www.acs.org/ncta).

At the Spring National Meeting, CTA served as an active co-sponsor with the Applied Chemical Technology (ACTS) Subdivision of the Industrial & Engineering Chemistry (I&EC) Division for the *Symposium in Honor of Christopher Menzies: Industrial and Engineering Applied Chemical Technology Fellow* and the *Academia and Industrial Pilot Plant Operations and Safety Symposia*, other co-sponsors included the Committee on Chemical Safety and the Division of Chemical Health and Safety.

CTA 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 2013 and will be presented for the first time at the 2014 Fall National Meeting. Local Sections and Divisions are eligible to nominate themselves for this award when submitting their 2013 annual reports via the FORMS reporting system.

CTA will celebrate its 50<sup>th</sup> anniversary in 2014. A working group of the committee has been established and is planning events for the 2014 Spring and Fall National Meetings to celebrate this important milestone.

Mary K. Moore, Chair

Kenneth Chapman  
Michelle Coffman  
S. Thomas Dealy  
Rabin Lai  
Shunta Land

Elmer Ledesma  
Susan Marine  
Donna Neal  
Richard Partch  
Susan Perz

Allen Pinchard  
David Singleton  
Janet Smith  
Mark Thomson

#### Associates

Kara Allen  
Pamela Brown

Kathy Collins  
Ruth Hathaway

#### Consultant

Kirk Hunter

Staff Liaison: Mark O'Brien

D. Senior Chemists  
(joint with Board)

The Senior Chemists Committee (SCC) held its first meeting in New Orleans with much of its agenda devoted to re-organizing the former Senior Chemists Task Force into a Joint Board-Council Committee. In addition to the subcommittees devoted to the Senior Chemists Newsletter, National Meeting programming, Local Section senior committees, and ACS Regional Meetings, committee members were organized to participate in the Undergraduate Speed Networking event in New Orleans as part of the Consulting and Mentoring initiative within the SCC Mission Statement. This event proved to be highly successful and will be repeated in Indianapolis. In addition, the committee put in place a subcommittee on Planning and Priorities to better enable the committee to choose wisely among the many suggested activities sent to the committee.

SCC heard a presentation on the ACS Science Coaches Program and referred recommendations for committee support to the subcommittee on Planning and Priorities. Presentations on several STEM programs were provided and tabled to Indianapolis for further discussion.

Discussions were also held with respect to contributions the committee might also be able to make in organizing short courses, particularly with emphasis on both career development and alternative career planning. Specifically, suggestions were sought on how the committee might organize to bring these functions to Regional Meetings as well as National Meetings.

Other areas of interest that were raised included soliciting seniors as potential speakers in specific technical areas, as well as organizing seniors who have had experience in political contacts and could help represent ACS viewpoints (and science in general) in support of national policy. The SCC is also very interested in cross-fertilization of ideas by exchanging contacts with the YCC and WCC.

George E. Heinze, Chair

Ronald D. Archer  
Roger F. Bartholomew  
Thomas R. Beattie  
Dennis Chamot  
Maureen G. Chan  
Catherine E. Costello  
Allen A. Denio

Susan R. Fahrenholtz  
Lynn G. Hartshorn  
Richard A. Hermens  
Morton Z. Hoffman  
Robert S. Moore  
Eli Pearce  
Edel Wasserman

Associates

Michaeline F. Chen  
Donald D. Clarke  
Claude A. Lucchesi  
Donald G. Rea

Consultant

James D. Burke

Staff Liaison: Cheryl H. Brown

E. 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 from April 5, 2013 to December 31, 2013.

The editorial monitoring reports for *Biomacromolecules* and *Organic Process Research & Development* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made. The next publications to be monitored will be *Nano Letters*, *Energy & Fuels*, *The Journal of Physical Chemistry*, *Organometallics*, *Journal of Agricultural & Food Chemistry* and *Langmuir*.

It was announced that upon the Editor Search Committee's recommendation, the ACS Board had approved the appointment of Professor William Tolman (University of Minnesota) to serve as Editor of *Inorganic Chemistry*.

Staff presented the roles and responsibilities for Deputy Editors, which were developed by staff working with ACS Editors. The results of a survey of Editors-in-Chief on the roles and responsibilities of Associate Editors and Editorial Advisory Boards were also presented.

The Conference of Editors of ACS Publications was held in January 2013, and chaired by Dr. Paul Weiss, Editor-in-Chief of *ACS Nano*. The agenda for that meeting and an overview of the proceedings were shared with the Committee. 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.

The Division President presented an overview of the ACS Publications Division's operational highlights for the year and new innovation initiatives. A summary of developments on the topic of open access to published scientific information was also presented.

Staff presented a demonstration of *ACS ChemWorx*, a free, total research management and storage system that combines reference discovery and management, professional networking, group and task management and manuscript preparation in a single, secure location accessible from anywhere. It is the first such tool built to address the specific needs of researchers in the chemical and related sciences. Its promotional launch occurred at the ACS National Meeting in New Orleans.

C&EN celebrates its 90<sup>th</sup> anniversary this year. Celebrations began with the January 14, 2013 issue and in *The Watch Glass*, a visual blog (<http://cen.watchglass.org>) featuring photos and excerpts from C&EN pages over the past 90 years. C&EN will have a special issue for September 9, 2013, that will examine the development of several trends in the chemistry enterprise as seen through the coverage by C&EN reporters. C&EN will host a celebratory public event at the ACS National Meeting on September 10, 2013, in Indianapolis for all ACS meeting attendees. The C&EN Editor-in-Chief presented an overview of the strategic planning process underway for the magazine's operations.

Staff encouraged all members of the committee to attend a reception honoring the careers of Professor William Jorgensen and Professor Claude Meares who will be retiring as Editors of *Journal of Chemical Information & Modeling* and *Bioconjugate Chemistry*, respectively. The reception was held on Sunday, April 7, from 5:00 to 7:00 pm, in the Napoleon Ballroom of the Hilton Riverside Hotel.

Stephanie L. Brock, Chair

Michael Appell  
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Martin G. Kociolek  
Leah R. McEwen  
Robert Y. Ofoli  
Tatyana E. Polenova

Charles H. Reynolds  
John N. Russell, Jr.  
Nicole S. Sampson  
Susannah L. Scott  
Richard V. Williams

Associates

Alvin L. Crumbliss  
Mihaela D. Leonida  
Dhandapani Venkataraman

Staff Liaison: Brian D. Crawford

F. Public Relations and Communications  
(joint with Board)

The Joint Board-Council Committee on Public Relations and Communications (CPRC) continues to work with the ACS Office of Public Affairs to create tools that make it easy for members to communicate chemistry in their communities. This is done primarily through the Chemistry Ambassadors and member PR programs. In addition, the committee recognizes and rewards outstanding efforts in these areas with awards that are presented annually at the ChemLuminary event.

This spring CPRC supported another Sparkle Workshop, held May 3-5, for 29 public relations chairs of local sections and, for the first time in many years, divisions and student chapters. This was the fourth offering of the updated workshop since it was re-introduced in 2010. The goal of the program is to help attendees learn how to increase public awareness for the events and outreach efforts of their section, division, or chapter, as well as achieve recognition of individual ACS members in local newspapers, television and social media. The class also includes training on how to be a more effective communicator—to speak simply and compellingly about chemistry to any audience. The total number of public relations chairs is now 116.

As a follow up to the workshop and to help all PR chairs better gauge their progress and reach new goals, CPRC has prepared a rubric that sets forth metrics and milestones for success.

In a new effort to achieve goal 4 of the ACS strategic plan, CPRC serves as an advisory board to a project called ACS Experts. The committee helped define the effort, which involves training 20 individuals selected on the basis of their expertise and communication skills, to be effective spokespersons for chemistry in such venues as media interviews, advocacy with policymakers, as speakers on topical forums for business leaders, in Science Cafes, and through other public dialog. The program kicks off in Indianapolis with the inaugural training.

CPRC is always pleased to collaborate with other committees and ACS groups. At the New Orleans meeting we co-sponsored the Undergraduate Speed Networking forum, providing students with insights on a variety of career choices. We will do the same in Indianapolis, where we will also co-sponsor a workshop on advocacy with the Committee on Chemistry and Public Affairs and we will co-sponsor the Helen Free Symposium with the HIST division. Helen Free is the namesake of the committee's award for public outreach, which has been presented annually since 1995.

David S. Gottfried, Chair

Béla Buslig  
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Margaret Cavanaugh  
Carol A. Duane

Amina El-Ashmawy  
Kevin Kuhn  
Milt Levenberg  
Doris Lewis

Jennifer Maclachlan  
Attila Pavlath  
Kenneth Poggenburg  
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John Malin

Preston MacDougall  
Donna Nelson  
William Oliver  
Anne K. Taylor

Consultants

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Mike Lawrence

Staff Liaison: Nancy Blount

G. Project SEED

Project SEED offers summer research opportunities for high school students from economically disadvantaged families. In its 45 years, the Program has had a significant impact on the lives of nearly 9,500 students. Past students' exit surveys show that Project SEED is successful in stimulating its participants' interest in science. This summer, more 450 high school students were placed in over 100 academic, governmental, and industrial laboratories to work under the supervision of research scientists on projects in chemistry and related sciences. This outstanding participation is made possible by contributions from industry, academia, local sections, ACS friends and members, and the Project SEED Endowment.

This May, the Project SEED Scholarship Subcommittee reviewed 49 scholarship applications from Project SEED alumni; the subcommittee met via conference call and awarded 28 first year college scholarships for the 2013-2014 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. In addition, the Subcommittee reviewed eight applications from the previous year's Project SEED College Scholarship winners and awarded three Ciba Specialty Chemicals Scholarships for the 2013, 2014, and-2015 academic-years.

The Committee continues its commitment to increase the outreach and facilitate growth of the Project SEED program. The committee encourages all members to continue using the dues check-off option on their ACS membership renewal to support this remarkable program.

Sandra J. Bonetti, Chair

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Anna G. Cavinato  
David L. Cedeño  
Ronald D. Clark

Ingolf Gruen  
Angela Hoffman  
Keith Kostecka  
Adriane G. Ludwick  
Joshua J. Pak

Barbara Sitzman  
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Alan E. Tonelli  
Don L. Warner

Associates

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Jesse D. Bernstein  
Jeffery W. Seyler  
Brian A. Salvatore  
Michael T.H. Cheng

Staff Liaison: Cecilia Hernandez

H. Patents and Related Matters  
(joint with Board)

CPRM continues to focus on three main areas. First, CPRM provides ACS members and the general public with information about patents and other intellectual property issues. Second, CPRM proposes nominations of notable inventors for external national awards recognizing the innovations and inventions of chemists. Finally, CPRM monitors legislative and regulatory developments influencing intellectual property in ways that impact the chemical enterprise.

Over the past few years, CPRM has worked to help reform the patent system. This has culminated with the recent passage of the America Invents Act. CPRM is monitoring the implementation of the most significant patent reform law in fifty years. In addition, CPRM has partnered with the Chemistry and the Law Division to provide patent-related programming at national and regional meetings. CPRM is exploring possible collaborative education efforts with the United States Patent and Trademark Office. Finally, CPRM has created numerous educational materials, many of which provide guidance regarding second careers in the area of intellectual property. CPRM's materials are available on its website.

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 also engages in educational outreach to help chemists and others understand the patent system. CPRM continues to partner with the Chemistry and the Law Division to provide patent-related programming at national and regional meetings. In addition, CPRM has created numerous educational materials, many of which provide guidance regarding second careers in the area of intellectual property. CPRM's materials are available on its new website.

CPRM has developed active working relationships with many governance units. If you are interested in working with us, please contact us at [Patents@acs.org](mailto:Patents@acs.org).

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Consultant  
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Staff Liaison: David Smorodin

### I. Nomenclature, Terminology and Symbols

The Committee has moved forward with a number of strategic organizational changes, designed to allow closer alignment with the Society's mission and goals. Changes to committee duties and responsibilities, as shown in Bulletin 5, were developed and presented to ConC for approval. Committee structure was modified to include sub-committees for major tasks. Subcommittees were constituted by self-selection of members.

Chemical nomenclature has become an integral part of the informatics revolution. Proper nomenclature is necessary to ensure identification of chemical substances in numerous databases. With this in mind, a thorough review of electronic methods for generating chemical nomenclature was undertaken. When completed, the results will be posted on the Committee's website.

The most significant changes to nomenclature, terminology, and symbols currently under consideration involve the international system of units (SI). Of particular concern to chemists, the definitions of the kilogram and mole will undergo significant modifications in the "New SI". The existing definition of the kilogram (the physical platinum-iridium cylinder and its clones) has become problematic for a number of reasons, and the need for its replacement has been discussed for many years. The proposal for a new kilogram is based on defining the numerical portion of Planck's constant as an exact number. This definition is planned to be realized by means of existing and future experimental methods. Conditions for approval of this definition, based on a target experimental uncertainty on the order of 50 parts per billion, have not yet been achieved.

The proposed new definition of the mole is based on defining the numerical part of the Avogadro constant as an exact number. In effect, the mole will then become the amount of substance that contains Avogadro's number of elementary entities. Recall that the present definition of the mole is the amount of substance that contains as many elementary entities as there are atoms in 0.012 kilogram of carbon-12. Note that the exact number of such entities is not currently specified. This definition will have the consequence that the mass of a single carbon-12 atom will no longer be known exactly (by definition), and will be an experimental quantity with some (small) uncertainty. NTS has been keeping abreast of developments in each stage of the New SI process. Our committee continues to study the effects these changes in definitions will have on the chemical community, if and when they are implemented. A NTS task force is preparing a summary of "The New SI", to help explain the system to chemists, teachers of chemistry, and students.

NTS is working along several fronts to increase the visibility of ACS in international matters dealing with nomenclature, through contact with representatives serving on various IUPAC committees.

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#### **Consultants**

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Leslie H. Sperling

Donald Wauchope

**Staff Liaison** Gerald P. Fenske



J. Minority Affairs  
(joint with Board)

As part of the 20<sup>th</sup> anniversary celebrations of the Committee on Minority Affairs (CMA), the Committee has worked hard on a major programming effort, for the purpose of increasing the visibility of underrepresented minorities in the ACS. This effort is yielding five symposia over the course of this year.

At the ACS spring national meeting in New Orleans, the power of interdisciplinary and multicultural teams to meet global challenges was highlighted as part of CMA sponsored symposium, "Water, energy, health and education: working together for global solutions."

Two symposia have been organized for the Indianapolis meeting. One is titled "The Impact of Diversity and Inclusion." It has been named a presidential event and is being co-sponsored by the Division of Professional Relations.

Studies show that diverse perspectives can result in improved science and technology innovation, and the U.S. is uniquely positioned to gain global advantage from the diversity of its population. Many argue that the U.S. chemistry enterprise is not taking full advantage of this racial, ethnic, and multi-cultural diversity not because of biases but because of lack of awareness about best practices.

Experts from academia and industry will challenge you to think about how to promote diversity, improve recruiting efforts, attract the best talent, build partnerships, and create sustainable pipelines to build a diverse workforce. Attend the symposium and refine your know-how for improving your organization.

At a second symposium titled, "20 Years of Reflection", former CMA chairs and consultants of the CMA will offer their learnings from the past, present, and for the future of the Committee on Minority Affairs.

The CMA will host a ticketed 20th anniversary celebration luncheon featuring Dr. Joseph Francisco, the William E. Moore Distinguished Professor of Physical Chemistry at Purdue.

In October during the ACS Western Regional Meeting, the Committee is organizing a symposium titled: "The Two-Year College: A Legitimate Pathway to STEM Careers for Underrepresented Minority Students."

The 20<sup>th</sup> anniversary programming will conclude in November at the ACS Southeast Regional Meeting, with the symposium, titled, "Minority Serving Institutions and their role in the STEM pipeline."

During the summer the CMA Executive Committee went through the ACS Leadership Development Strategic Planning. The results exceed expectations and the experience also served as an energizing team building exercise. Key support for a successful retreat came from the good work of the ACS facilitators and Staff Liaison who were superb at helping our team navigate the process, managing the team to accomplish its goals, and documenting all the elements of the discussions and agreements from the retreat into a thorough report. Stay tuned for the outcomes coming from the Committee's work in 2014 and 2015.

In other news, two CMA members contributed as editors to the preliminary edition of the guidebook "Maximizing Our Impact in the World of Student Transfer: A Handbook for Chemistry Faculty" (published on December 2012). The guidebook is the outcome of a workshop on student transfer held by ChemEd Bridges and funded by the National Science Foundation.

Finally, the ACS Scholars Program just confirmed a new total of 158 PhD recipients among its graduates. Twenty-four of them are currently faculty members and one has just been awarded an endowed chair.

Al Ribes, Chair

Luke E. K. Achenie  
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Kishore K. Bagga  
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Lourdes E. Echegoyen  
Onofrio G. Gaglione

Trinity Horton  
Kimberley Jackson  
Allene Johnson  
Hiroko I. Karan  
Ann C. Kimble-Hill  
Mary J. Ondrechen

Darryl R. Prater  
Felix M. Rivas  
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Patrick Gordon  
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Robert M. Hoyte  
Daniel J. O'Leary  
Michael Santiago  
Alyssa C. Thomas

Staff Liaison: Joy Titus-Young

K. International Activities  
(joint with Board)

The International Activities Committee (IAC) continues its efforts to serve our members with international interests and to further our international collaboration and outreach efforts. Currently, in collaboration with the ACS Office of International Activities (OIA), we are looking particularly at expanding ACS's membership reach, service to members, publicity and outreach, and recognition.

Membership. We appreciate the Council's approval of the Romanian international chapter in New Orleans. We now have 6 international chapters, 4 in Asia and 2 in Europe. In order to help them grow, we are holding a strategic planning meeting with them on Thursday and Friday, September 12-13, 2013, right after the Council meeting. Also at the New Orleans meeting, the Membership Activities Committee (MAC) approved a test incentive of US \$15 for every paid ACS member that an International Chapter refers for ACS membership. The guidelines and the system for reporting, tracking and payment have been set up, and the procedure took effect on July 1. This test will run for the period of one year. IAC is also staffing a task force with DAC to gather information and analyze ACS Technical Division interests, needs and priorities in their international engagements and how IAC and OIA might better serve them.

Publicity and Outreach. Earlier in the year an ACS delegation went to Indonesia and Malaysia and taught soft-skills workshops, with full financial support from the U.S. Department of State. Over 700 young Malaysian and Indonesian STEM talents participated in the workshops and the response was excellent. We are currently working with the Committee on Public Relations and Communication (CPRC) to enhance publicity for chemistry in the international area. One immediate area is to internationalize the Chemistry Ambassadors program.

Service to Members. In efforts to stimulate society-wide international initiative, we are continuing the Global Innovation Grants. This year we received 7 applications, and we were pleased to provide 4 awards at US \$4,000 each.

The ACS International Center aims to be an indispensable information resource on global opportunities for chemistry related professionals and students. Since the last report in New Orleans, the Center has now enhanced its content. Currently, we have 350 funding opportunities around the world listed in 15 geographical regions across 6 levels of experience. There are also features such as webinars, educational presentations, and a Twitter account with live up-to-the-minute information on program releases. There is also a new "Ask-a-Member" feature for more direct communication.

We continue to collaborate with President Marinda Wu and her Task Force on "Vision 2025: How to Thrive in the Global Chemistry Enterprise." Following the successful Presidential Symposium in New Orleans, we are editing an ACS symposium book which includes all the symposium presentations so that people not at the symposium will have access to the information. Partly as a result of a suggestion from the Task Force, we are working on a PowerPoint presentation on ACS international activities for use for local section or leadership training.

Recognition. We shall recognize one local section for their efforts in international engagement in 2012 with the Global ChemLuminary Award to be announced on September 10, 2013.

The IAC International Welcoming Reception will be held from 5:30 PM – 7:30 PM on Sunday, September 8, at the JW Marriott Indianapolis, White River Ballroom E. ACS Councilors are welcome to attend.

H. N. Cheng, Chair

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Jonathan L. Sessler  
Douglas B. Walters  
Peter Zarras

Staff Liaison: Bradley Miller

L. Environmental Improvement  
(joint with Board)

CEI continues work to enhance ACS sustainability activities. To encourage increased ACS member involvement, CEI provides grants to local sections engaged in sustainability programming, which are reviewed at each national meeting, and sponsors the ChemLuminary Award for Outstanding Sustainability Activities. The committee continues to highlight successful activities from these programs to increase awareness and establish model programs and best practices. CEI also is working to increase the visibility of these opportunities to various communities within the Society.

The committee is working with 2012 ACS President Bassam Shkhashiri, the Committee on Science and others to develop a climate science initiative that builds on the recently launched ACS Climate Science Toolkit to increase member engagement and support member communications and advocacy of climate science.

CEI cosponsored 14 symposia in New Orleans. Among these, the Committee worked with the Division of Chemical Education (CHED) on two programs on sustainability concepts in the chemistry classroom, including one to recognize the annual ACS-CEI awards for sustainability in the chemistry curriculum. The committee reviewed plans for future programming, including the Fall 2014 meeting with its theme of “Chemistry and Global Stewardship”, and is searching for ways to encourage the divisions to include more sustainability related sessions.

A new working group is exploring ways to advance sustainability in education through a variety of programs and activities. The Committee also is assembling a response to the Committee on Professional Training’s request for feedback on proposed revisions and updating of the CPT guidelines. CEI also continues to partner with York College in Pennsylvania to support a unique, exciting educational opportunity for students to learn more about climate change policy development and to try their hand at communicating science issues to a general public.

Last year, CEI drafted revised positions for consideration by the ACS Board concerning endocrine disruption and inherently safer technologies. The new statements were adopted by the Board in December and can be found [on the web](#). The Committee continues to seek partnerships and member input to draft public policy statements. This year, CEI will be working on statements concerning biomonitoring, climate, and chemicals management and regulation.

CEI met with the new director of the ACS Green Chemistry Institute® to review past cooperation and possible future activities of interest to both units. The committee also began work on a regular report requested by the Board of Directors in late 2011 that reviews the sustainability related activities of the Society. For this effort, CEI will be seeking input from a dozen other committees and ACS units to inventory ongoing programs and special events.

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Sharon A. Sibia  
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Consultant  
Charles Kolb

Staff Liaison: Ray Garant

M. Community Activities  
(joint with Board)

At the Spring National Meeting in New Orleans, members of CCA, local section volunteers, student members, and other volunteers presented eight tables of hands-on activities at the Audubon Zoo, reaching an estimated 400 members of the public. After kids visited the activity tables, they each received a “goody bag” containing a copy of *Celebrating Chemistry*, and other Chemists Celebrate Earth Day (CCED) products. Members of the Cal State Fresno Student Chapter took turns wearing the Mole costume to entertain kids as they entered the zoo and encourage them to visit the activities.

On April 22, 2013, CCA led the Society's outreach efforts for CCED, which celebrated its 10<sup>th</sup> anniversary. The theme, “Our Earth, Handle With Care”, encompassed all four CCED topics: air, plants/soil, recycling, and water. More than 48,000 copies of *Celebrating Chemistry* were distributed in English and Spanish. Electronic versions in these languages, as well as in Portuguese, were made available online. There were 61 entries for the Illustrated Poem contest. More than 1,000 volunteers participated in outreach events during the week of CCED, reaching more than 19,000 members of the public.

During the Indianapolis National Meeting, CCA will present hands-activities at the ACS-Celebrate Science Indiana Public Outreach Event on Sunday, September 8, 2013. In November, CCA will revise its strategic plan during a retreat facilitated by the ACS Leadership Development System<sup>®</sup>. The intent is to realign the committee goals and to chart a course for leadership in outreach as CCA approaches its 10<sup>th</sup> anniversary as a Joint Board-Council Committee.

National Chemistry Week (NCW) will be celebrated October 20-26, 2013 with the theme “Energy: Now and Forever!” This year’s theme is a complement to the IYC 2011 theme of “Energy – It’s Everywhere!” with a particular focus on nuclear, biomass, and thermal energy. All Local Sections are encouraged to participate by hosting a NCW 2013 Community Event featuring hands-on science events, local illustrated poem contests, and battery recycling.

Looking ahead, planning is underway for CCED 2014, “The Wonders of Water”, and NCW 2014 “The Sweet Side of Chemistry – Candy.” CCA encourages Councilors to ensure that their local section has a member appointed as coordinator for NCW and for CCED 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).

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Richard G. Rogers

Staff Liaison: Alvin Collins

N. Chemists with Disabilities  
(joint with Board)

The Committee on Chemists With Disabilities (CWD) is pleased to report on major initiatives and recent accomplishments:

At the Fall 2014 National ACS Meeting and Exposition in Indianapolis CWD will conduct a joint session with the Professional Relations Division on teaching chemistry to students that are blind. At the Spring 2014 National ACS Meeting and Exposition in Dallas, CWD is co-sponsoring a symposium with the Analytical Chemistry Division on how analytical instrumentation is being made accessible to chemists with disabilities.

The committee continues to work within ACS to ensure that all ACS services and products are accessible. Often, due to the wide variety of input formats in print and video media, there is no single, universally applicable solution. The CWD thanks Madeline Jacobs and the Executive Leadership Team for their ongoing efforts in making ACS media accessible to low vision and blind members. The CWD also thanks the Committee on Chemical Safety for their continued work in maintaining an accessible archive of information.

We are striving to leverage ACS resources with other revenue streams. In 2000, the CWD received NSF support to significantly revise and expand the handbook Teaching Chemistry to Students with Disabilities. We have outstanding proposals to the Camille and Henry Dreyfus Foundation to host a workshop to update the 4<sup>th</sup> edition of TCSD and expand the TCSD concept to handbooks for other disciplines.

We continue to work closely with the Committee on Minority Affairs, the Subcommittee on Diversity and Inclusion, and Committee on Professional Relations to reduce barriers encountered by underrepresented groups in STEM.

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Robert A. Gates  
Roland F. Hirsch

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Staff Liaison: Paula H. Christopher

O. Chemistry and Public Affairs  
(joint with Board)

The Committee on Chemistry and Public Affairs advises and recommends ACS action on public policy matters involving the chemical sciences and technologies. I am pleased to report some of the CCPA activities undertaken to help make ACS a premier advocacy organization.

As we all know, the political environment in Washington is, and will continue to be, challenging. This makes our roles in policy and advocacy challenging as well. CCPA realizes that the science community's "standard" message of increased support for basic research and STEM education needs adjustment in order to respond to the new policy environment. Finding and articulating just the right message that supports our cause and resonates with policymakers is difficult, and CCPA is working with ACS staff to accomplish that.

As ACS President, Marinda Wu emphasized in her platform, "Partners for Progress and Prosperity," communicating the importance of chemistry should reach as many audiences through as many channels as possible. One of the most powerful ways of doing that is for ACS members to talk to their elected officials. ACS is committed to helping members to more effectively communicate with policymakers about issues of importance to the scientific community and the chemical enterprise. To that end, during the Indianapolis national meeting, CCPA is organizing a two-hour Presidential event to educate and train ACS members to become chemistry and science advocates. The **Power Tools for Advocacy** workshop will take place on Tuesday, September 10, 2013 from 10:00 am – 12:00 pm at the JW Marriott Indianapolis Hotel, Room 204/205. The workshop is cosponsored by CEPA, CPRC, I&EC, SCC, SOCED, and YCC. We hope all Councilors will add this to your national meeting calendars.

In April, CCPA members and members of the ACS Board returned to Capitol Hill with a message about the need for "sustained and predictable funding" for research and STEM education. In addition, CCPA members had meetings with high level agency staff at DOE, NSF, NIH, and NIST. They were able to discuss the research priorities and goals of the federal agencies. CCPA members were also able to hear how ACS can work with the federal agencies to promote the importance of steady reliable research funding for chemistry.

CCPA encourages and highlights ACS local section engagement in public policy activities by sponsoring the ACS President's Local Section Government Affairs Award, which is presented at the ChemLuminary Awards Reception. CCPA would like to congratulate the Delaware, Eastern New York, and Northeast Tennessee local sections, which have been nominated for their local section government affairs efforts. Stay tuned to learn which local section is crowned the winner at the Indianapolis ChemLuminary Awards reception! Councilors are urged to include their local sections' advocacy activities in their annual local section reports so that they may be considered for the CCPA ChemLuminary award.

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### P. Analytical Reagents

The committee oversees and updates the ACS publication “Reagent Chemicals, Specifications and Procedures”, which defines the specifications for “ACS Reagent Grade” chemicals around the world. It is in the process of preparing the 11<sup>th</sup> edition, an update to the 7-year old 10<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.

The committee consists of about 30 members, all but one from the United States. Considering the international use of the “Reagent Chemicals” publication, we are trying to add additional members from other nations.

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