

**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. Sibia. *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