

DRAFT
MINUTES
COUNCIL
AMERICAN CHEMICAL SOCIETY
September 11, 2013
Indianapolis, Indiana

The Council of the American Chemical Society met in Indianapolis, Indiana, on September 11, 2013, beginning at 8:00 a.m. Marinda Li Wu, President of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives were present:

Ex-Officio: John E. Adams, Tom J. Barton, George M. Bodner, Daryle H. Busch, William F. Carroll, Jr., Bonnie A. Charpentier, Pat N. Confalone, Joseph S. Francisco, Helen M. Free, Thomas R. Gilbert, Ned D. Heindel, Catherine T. Hunt, Nancy B. Jackson, Madeleine Jacobs, Larry K. Krannich, Valerie J. Kuck, Thomas H. Lane, Flint H. Lewis, Ingrid Montes, E. Ann Nalley, Attila E. Pavlath, Eli M. Pearce, Elsa Reichmanis, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shakhshiri, Kent J. Voorhees, Edel Wasserman, Marinda Li Wu.

Divisions: *Agricultural & 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, Roland F. Hirsch, Donna Nelson*. *Biochemical Technology*, Arindam Bose, Sadettin Ozturk, Sharon P. Shoemaker. *Business Development & Management*, Janet L. Bryant, Michael Hurrey. *Carbohydrate Chemistry*, Anthony S. Serianni*, John R. Vercellotti. *Catalysis Science & Technology*, Charles H.F. Peden**. *Cellulose and Renewable Materials*, Kevin J. Edgar. *Chemical Education*, Renée S. Cole, Resa M. Kelly, Ellen J. Yeziarski. *Chemical Health & Safety*, Robert H. Hill, Jr., Russell W. Phifer. *Chemical Information*, Helen Anne Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, Amanda C. Bryant-Friedrich*, Paul T. Henderson. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, John N. Russell, Jr., Maria M. Santore, Robert D. Tilton, Michael Trenary*. *Computers in Chemistry*, Rommie E. Amaro*, Emilio X. Esposito, Peter C. Jurs. *Energy & Fuels*, Archibald C. Buchanan, III, Martin L. Gorbaty, Lisa Houston*. *Environmental Chemistry*, V. Dean Adams, George P. Cobb, III*, Jurgen H. Exner, Martha J.M. Wells. *Fluorine Chemistry*, David A. Dixon. *Geochemistry*, Christopher S. Kim**. *History of Chemistry*, Roger A. Egolf, Joe S. Jeffers*. *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, Lisa F. Szczepura*. *Medicinal Chemistry*, John Butera*, Richard A. Gibbs, Amy S. Ripka, David P. Rotella. *Nuclear Chemistry & Technology*, Graham F. Peaslee, Steven W. Yates. *Organic Chemistry*, P. Andrew Evans, Paul R. Hanson*, Donna Huryn, Cynthia A. Maryanoff. *Physical Chemistry*, Michael R. Berman, Paul W. Jagodzinski, Donna J. Minton, David J. Nesbitt*. *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 Grob Schmidt. *Rubber*, John M. Long. *Small Chemical Businesses*, Sharon V. Vercellotti.

Local Sections: *Akron*, James E. Duddey, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Orlando Acevedo. *Baton Rouge*, Anne K. Taylor. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Dan Calef*, Michael T.H. Cheng, Sheila Kanodia, Lee H. Latimer, Alex M. Madonik, Paul F. Vartanian, Elaine S. Yamaguchi. *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.

*Alternate Councilor

**Temporary Substitute Councilor

Central Pennsylvania, Paul D. Schettler, Jr. **Central Texas**, Diane M. Kneeland, Linette M. 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, John M. Malin*, N. Bhushan Mandava, Kim M. Morehouse, Robert J. Wiacek, Jennifer L. Young Tanir. **Chicago**, Cherlynlavaughn Bradley, Charles E. Cannon, Kenneth P. Fivizzani, Herbert S. Golinkin, Thomas B. Higgins*, Russell W. Johnson, Milt 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**, Sandra J. Bonetti, Danielle M. Buckley*, Connie Gabel, Michael D. Mosher, Susan M. Schelble. **Columbus**, Arthur J.C.L. Hogarth, Donald C. Songstad, Virginia H. Songstad. **Connecticut Valley**, Ronald D. Archer, Julianne M.D. Smist, Frank J. Torre, Dhandapani Venkataraman*, Stephen P. Watton*. **Cornell**, Thomas A. McCarrick. **Corning**, Roger F. Bartholomew. **Dallas-Fort Worth**, Linda D. Schultz, E. Thomas Strom, Angela K. Wilson. **Dayton**, Steven Trohalaki. **Decatur-Springfield**, Anne M. Rammelsberg. **Delaware**, John Gavenonis, Tiffany N. Hoerter, Martha G. Hollomon, Nora S. Radu*. **Detroit**, Mark A. Benvenuto, James M. Landis, Jr., Walter O. Siegl. **East Central Illinois**, Ellen A. Keiter. **East Tennessee**, Alan A. Hazari. **East Texas**, Philip Verhalen. **Eastern New York**, Mary K. Carroll, Warren D. Hull, Jr. **Eastern North Carolina**, Satinder Ahuja. **Erie**, Betty Jo Chitester*. **Florida**, Béla S. Buslig, Carmen V. Gauthier. **Georgia**, Lissa Dulany, David S. Gottfried, Donald G. Hicks*, Terence E. Say. **Greater Houston**, Carolyn A. Burnley, Lawrence W. Dennis*, Mamie W. Moy, David M. Singleton, Kerry K. Spilker. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Kenneth G. Brown. **Hawaii**, T. Blake Vance, Jr. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis, Harriet Lindsay. **Idaho**, Raymond P. Anderson*. **Illinois Heartland**, Gregory M. Ferrence. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Dawn A. Brooks, Brian M. Mathes*, David Mitchell. **Indiana-Kentucky Border**, Jeffery W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Iowa**, Craig Teague**. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Madan M. Bhasin. **Kansas City**, Eckhard Hellmuth, Sarah J. Leibowitz. **Kentucky Lake**, Charles M. Baldwin. **La Crosse-Winona**, Claude L. Mertenich. **Lehigh Valley**, Pamela D. Kistler, Carol B. Libby. **Lexington**, Mark Blankenbuehler. **Louisiana**, Alvin F. Bopp. **Louisville**, James F. Tatera. **Maine**, Mitchell R.M. Bruce. **Mark Twain**, Dawood Afzal. **Maryland**, Merle I. Eiss, Dana Ferraris, Jan E. Kolakowski, Paul J. Smith, Stephanie Watson. **Michigan State University**, Susanne M. Lewis*. **Middle Georgia**, Koushik Banerjee**. **Mid-Hudson**, George W. Ruger. **Midland**, Wendy C. Flory, Bob A. Howell. **Milwaukee**, Kevin W. Glaeske, Joseph J. Piatt. **Minnesota**, Lynn G. Hartshorn, Ramesh C. Kumar, Sarah M. Mullins, Danae Quirk-Dorr*, Wayne C. Wolsey. **Mo-Kan-Ok, The Tri-State**, Khamis S. Siam. **Montana**, Anthony Haag**. **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 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, Joseph A. Potenza, Monica R. Sekharan, William H. Suits. **Northeast Georgia**, Maurice E. Snook*. **Northeast Tennessee**, Shawn M. Dougherty*. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Michaeline F. Chen, Mukund S. Chorghade*, Catherine E. Costello, Michael P. Filosa, Patrick M. Gordon, Morton Z. Hoffman, Leland L. Johnson, Jr., Doris I. Lewis, Robert L. Lichter, Jacklyn J. O'Neil, Norton P. Peet*, Dorothy J. Phillips, John W. Podobinski*, Andrew Scholte*, Mary J. Shultz, Ruth E. Tanner. **Northeastern Indiana**, Ruth E. Nalliah. **Northeastern Ohio**, Carol A. Duane. **Northern Oklahoma**, Kristi A. Fjare. **Northern West Virginia**, Edwin L. Kugler*. **Northwest Central Ohio**, Michael D. Edmiston. **Northwest Louisiana**, Brian A. Salvatore. **Oklahoma**, Allen W. Apblett. **Ole Miss**, Jason E. Ritchie. **Omaha**, Richard Lomneth. **Orange County**, Robert S. Cohen, Rabin D. Lai, Sanda P. Sun. **Oregon**, Richard L. Nafshun. **Orlando**, Darlene K. Slattery. **Ozark**, Eric Bosch. **Panhandle Plains**, Mary Graff**. **Penn-Ohio Border**, Doris L. Zimmerman. **Pensacola**, Allan M. Ford. **Permian Basin**, Kathryn Louie. **Philadelphia**, Georgia Arbuckle-Keil, Judith H. Cohen, Deborah H. Cook, Judith N. Currano, Ella L. Davis, Anne S. DeMasi, William R. Ewing, Margaret A. Matthews, Kathleen T. Shaginaw, Judith A. Summers-Gates, James E. Tarver, Jr.*. **Pittsburgh**, Michelle Coffman, Richard S. Danchik, V. Michael

Mautino. **Portland**, Bill Baghdanov*, Dale E. Brabham. **Princeton**, Louise M. Lawter, Sharon A. Sibilia. **Puerto Rico**, Néstor M. Carballeira, Jorge L. Colón. **Puget Sound**, Gregory L. Milligan, Mark Wicholas. **Purdue**, Suzanne C. Bart. **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**, Larry C. Grona*. **San Diego**, Thomas R. Beattie, Hui Cai, Desiree Grubisha, John G. Palmer, J. Kenneth Poggenburg, Jr., John W. Schindler*. **San Gorgonio**, James A. Hammond, J. Ernest Simpson. **San Joaquin Valley**, Melissa L. Golden. **Santa Clara Valley**, Linda S. Brunauer, Abigail Kennedy, George J. Lechner, David R. Parker*, Sally B. Peters, Herbert B. Silber, Ean Warren. **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 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**, Gregory P. Foy. **Southern Arizona**, Brooke M. Beam*. **Southern California**, Henry I. Abrash*, Rita R. Boggs, Virgil J. Lee, Sofia Pappatheodorou*, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Rachel Morgan Theall. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Onofrio G. Gaglione. **Southwest Georgia**, Subhash C. Goel. **Southwest Louisiana**, Robert K. Pertuit. **St. Joseph Valley**, Abram N. Brubaker. **St. Louis**, Lisa M. Balbes, Donna G. Friedman, Theodore C. Gast*, 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, Jerome Goodkin. **University of Missouri**, Justin R. Walensky. **Upper Ohio Valley**, Kevin Pate. **Upper Peninsula**, Martin Thompson. **Virginia**, R. Gerald Bass, Kristine S. Smetana, Ann M. Sullivan. **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**, Lawrence K. Steffen. **Western Maryland**, Don B. Weser. **Western Michigan**, Mark A. Thomson. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wisconsin**, Ieva L. Reich.

Nonvoting Councilors: Brian A. Bernstein, H.N. Cheng, Denise L. Creech, Katherine C. Glasgow, George E. Heinze, Mary M. Kirchhoff, Nina I. McClelland, Dorothy J. Miller, A. Maureen Rouhi.

Noncouncilors: Elizabeth P. Beckham, Brian J. Dougherty, Alicia E. Harris, David E. Harwell, John C. Katz, Christi Pearson, Barbara F. Polansky, Sophie L. Rovner, Max B. Saffell, David T. Smorodin, Frank E. Walworth, Marleen G. Weidner.

The preceding list of attendees at the Council meeting includes the following: 29 Ex- Officio Councilors; 82 Division Councilors (68 elected, 12 alternate, 2 temporary); 323 Local Section Councilors (286 elected, 33 alternate, 4 temporary); 9 Nonvoting Councilors; and 12 Noncouncilors (staff and others). Approximately 55 observers were in attendance.

Resolution

The Council ADOPTED the following resolution as presented by Council Policy Committee (CPC) Vice-Chair Carolyn Ribes:

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. William F. Kieffer, Professor Emeritus of Chemistry at the College of Wooster in Ohio, and Councilor for the Wooster Section from 1955-1963 and 1967-1972.
- Dr. Kenneth N. Edwards, retired chief executive officer of Dunn-Edwards Paints, and accomplished polymer chemist, Councilor for the Division of Polymeric Materials: Science and Engineering from 1981-1995.

- Dr. James E. Boggs, retired chemistry professor at the University of Texas, and Councilor for the Central Texas Section from 1996-2012.

And, since today is September 11, we would also like to remember all those who lost their lives, and for all those affected by the events that took place 12 years ago today.

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 April 10, 2013.

Election of Elected Committees

William H. (Jack) Breazeale, chair, Committee on Nominations and Elections (N&E), introduced the following candidates for election to the Council Elected Committees:

3. In accordance with the provisions of Bylaw III, Sec. 3, c (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Committee on Committees beginning in 2014: Mitchell R. M. Bruce, Janet L. Bryant, Dee Ann Casteel, Amber S. Hinkle, Wayne E. Jones, Jr., V. Michael Mautino, Jason E. Ritchie, Sharon P. Shoemaker, Russell W. Johnson, and Ralph A. Wheeler. By electronic ballot, the Council ELECTED Janet L. Bryant, Dee Ann Casteel, Amber S. Hinkle, Wayne E. Jones, Jr., and V. Michael Mautino for the 2014-2016 term.

4. In accordance with the provisions of Bylaw III, Sec. 3, a (3), the Committee on Nominations and Elections presented the following nominees for election to membership on the Council Policy Committee (CPC) beginning in 2014: Harmon B. Abrahamson, Arindam Bose, Judith H. Cohen, Alan M. Ehrlich, Martha G. Hollomon, Paul J. Smith, Ellen B. Stechel, and Angela K. Wilson. By electronic ballot, the Council ELECTED Harmon B. Abrahamson, Judith H. Cohen, Alan M. Ehrlich, and Angela K. Wilson for the 2014-2016 term.

5. In accordance with the provisions of Bylaw III, Sec. 3, b (3), the Council Policy Committee presented the following nominees for election to membership on the Committee on Nominations and Elections beginning in 2014: Lisa M. Balbes, Jeannette E. Brown, Martha L. Casey, Dwight W. Chasar, D. Richard Cobb, Catherine E. Costello, Lissa Dulany, Kevin J. Edgar, Paul W. Jagodzinski, and Robert A. Pribush. By electronic ballot, the Council ELECTED Lisa M. Balbes, Jeannette E. Brown, Martha L. Casey, D. Richard Cobb, and Lissa Dulany for the 2014-2016 term.

Reports of Society Officers

President Marinda Li Wu reported she has been visiting members both in the U.S. and overseas to hear their concerns and ideas. Her presidential theme, *Partners for Progress and Prosperity* resonates well wherever she travels.

Work continues on the presidential task force, "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise," which is dedicated to identifying opportunities with respect to jobs, advocacy, and strategic collaborations. Council was reminded of the recommendations for ACS presented at the spring national meeting in New Orleans, namely, that ACS discover and share information about the skills and competencies that a wide range of employers will need; continue to expand resources which help our members to position themselves for successful careers in the global chemistry enterprise; enable entrepreneurs to create and strengthen their startups that hire chemistry professionals; advocate for policies

that improve the business climate and promote the creation of chemistry jobs; and work with other stakeholders to understand and influence the supply and demand of chemists and jobs. At the spring national meeting, representatives from the task force met with 27 stakeholder committees and divisions to discuss the recommendations, receive feedback, and hear suggestions on how to help the task force to develop and implement actions.

Actions thus far from the recommendations have included two presidential symposia and an advocacy training workshop at this meeting; the formation of a Task Force on Supply and Demand, which met for the first time at this national meeting; and the first ACS International Chapter Summit, which will be held following this meeting. At the national meeting last spring in New Orleans, there was a Global Collaboration Roundtable, as well as the launch of the International Employment Initiative, which continued at this meeting.

President-Elect Tom Barton reported that he has begun to design and organize symposia in his focus areas of Education, Energy, Environment, and the Public Image of Chemistry. A presidential symposium with the ACS Education Division will take place at the spring 2014 national meeting in Dallas, entitled, “Engaging Chemistry Departments in the Preparation of Chemistry Teachers,” and a workshop with industrial leaders to solicit “Industry Perspectives on U.S. Chemical Education” will be held in conjunction with the American Chemistry Council’s Chairman’s Dinner in November 2014. For the fall 2014 national meeting in San Francisco, a full-day program on the topic, “Solar Energy Conversion and Usage,” will be organized by Harvard professor Dan Nocera. Additionally, most of the speakers are in place for another symposium in San Francisco on the subject “Hydraulic Fracturing”. Provision is being made to provide expert and rational representation for the various viewpoints and concerns on an issue intermixing energy and environmental concerns. In the area of enhancing the image of chemistry, a half-day symposium organized by past president Attila Pavlath, consisting of five former ACS presidents speaking on the essentiality of chemistry in various broad areas such as medicine, transportation, and food, will also be offered.

Dr. Barton stated that he spent time travelling and speaking on the various problems facing America in trying to be able to provide the highest-quality science education for our youth.

Immediate Past President Bassam Z. Shakhshiri began his report by acknowledging that he is a 50+-year member of the Society and then presented a check for what normally would be his national meeting registration fee to Executive Director Madeleine Jacobs in support of the ACS Scholars Program. He stated that it has been a great honor to serve as an elected national officer, and that he has spent the last two and half years representing and speaking for ACS in a variety of settings. He said his greatest satisfaction came from the deep and outstanding programmatic interactions everywhere on scientific, educational, professional, and learned matters.

Dr. Shakhshiri called Council’s attention to various and highly successful initiatives that were in keeping with his theme of “Advancing chemistry and communicating chemistry.” The ACS Climate Science Initiative, including the Climate Science Toolkit and the Climate Science Challenge Grants, has been enthusiastically received and will continue to function under the Committees on Environmental Improvement and on Science. The first round of grants, totaling \$30,000, was distributed last spring, and a second round of grants will be awarded this fall. The proposed ACS Global Water Initiative is in the development stage, and it is hoped that the ACS will expand its efforts to educate the public and decision makers on topics related to water, especially those that are pertinent to chemistry. Implementation of the report of the ACS Presidential Commission on Advancing Graduate Education in the Chemical Sciences is underway and focuses on five main audiences: faculty and academic leaders, public and private funders, industry leaders, graduate students and postdocs, and the ACS Ph.D. Completion and Placement Profile project.

Board Chair William F. Carroll, Jr., reported that the ACS Board of Directors took the following actions at its meeting: approved Society nominations for the National Science Board Public Service Award and the National Science Foundation's Alan T. Waterman Award; received a briefing and approved a recommendation from its Committee on Executive Compensation; approved an advance member registration fee of \$380 for national meetings held in 2014; reauthorized funding in next year's proposed budget for the ACS International Center and the ACS Entrepreneurial Initiative; and voted to make ACS Presentations on Demand (technical presentations delivered at ACS national meetings offered online) a member benefit.

Dr. Carroll announced that in perhaps the most significant action taken, the Board approved a new initiative, a national association of chemistry teachers. This new group is intended to become the professional home for precollege chemistry teachers and a means by which they can ally with ACS. He said that chemistry is the only major science without such a teacher's group, and by working with and learning from existing science teachers' associations, ACS and the association can fill a gap in the professional lives of high school chemistry teachers. This marks an important turning point in our relationship with more than 30,000 high school chemistry teachers, only 35 percent of whom have a both a degree in chemistry and a teaching certification.

Finally, Dr. Carroll said he was particularly pleased with both the turnout and the content of the open board meeting held on Sunday, September 8. Over 500 people came to hear Alan Alda talk about communicating science to the public. It was an instructive and meaningful event and something not soon forgotten.

Executive Director and CEO Madeleine Jacobs began her report by announcing that the ACS Board of Directors had confirmed her recommendation of Mr. Manuel (Manny) Guzman to be the next president of Chemical Abstracts Service (CAS), effective September 30, 2013. Mr. Guzman was selected following a comprehensive and in-depth process involving an international search for a worthy successor to Bob Massie, who plans to retire at the end of March 2014 and is currently on medical leave. Mr. Guzman has led and managed information businesses at the scale of CAS and his knowledge of the library, education, government, and industry marketplaces, both domestically and internationally, places him advantageously to grow CAS's core businesses as well as create new opportunities. Most recently, he was Executive Vice President of Learning and Research Solutions at Cengage Learning, a leading provider of innovative teaching, learning, and research solutions for academic, professional, and library markets worldwide.

Ms. Jacobs's report focused on four descriptions of ACS activities that answer the question, "Why should I join ACS?" First, the Membership and Scientific Division has launched a new campaign, "My ACS", which focuses on increasing awareness of the tangible and intangible benefits that ACS membership provides. The website www.my.acs.org showcases stories and photos submitted by members describing what best defines their membership. Councilors are invited to visit the site and share their stories. Another member benefit is complimentary access to SciFinder® for 25 activities, after which members are eligible for a special SciFinder® Member Package. Third, ACS ChemWorx™ was recently introduced as the first integrated research management tool customized for researchers in the chemical and related sciences. It combines reference discovery and management, along with manuscript preparation in a single interface. Finally, Ms. Jacobs highlighted C&EN, which this year celebrated its 90th birthday and continues to be one of the top benefits of ACS membership.

Reports of Elected Committees

Council Policy Committee (CPC)

Carolyn Ribes, committee vice chair, reported that CPC hosted a breakfast for new Councilors to provide information about ACS governance, roles and responsibilities of Councilors, and how to get involved with committees. CPC also co-hosted a strategy café with the Committee on Younger Chemists to allow members to share their thoughts on the ACS Strategic Plan and how they can be involved in achieving its goals.

The N&E-CPC Joint Task Force on Election Timelines and Procedures has begun the process to provide recommendations for changes in the election time and process for President-Elect and Board of Directors. Proposals to CPC and N&E will come at the spring 2014 meeting.

The Task Force to Review Councilor Travel Reimbursement Policy has met and will be issuing a survey to Councilors and unit treasurers to collect more complete data to address the issue. All were urged to respond when the survey is received.

The Task Force on Councilor/Member Duties and Conduct has met several times. Councilors are urged to review the Councilor Handbook for duties and expectations. With respect to enforcement of duties, Dr. Ribes stated there is no specific authorization in Society documents, and CPC recommends the Society's Constitution be amended to authorize the Council to draft bylaws for due process procedures for the removal of a Councilor or member for neglect of duties, misbehavior while in office, if applicable, and/or conduct injurious to the Society.

CPC voted to support the following action items for this meeting: the proposal from N&E on the realignment of ACS electoral districts; a name change for the Syracuse Section and the dissolution of the Monmouth Section proposed by the Committee on Local Section Activities; and a proposal from ConC that the charters for the Committees on International Activities (IAC) and on Nomenclature, Terminology, and Symbols be amended. CPC voted to take no position on the proposed name change for the Division of Colloid and Surface Chemistry. CPC voted to authorize the Special Discussion topic for this meeting, *"What can we – as the Society and as individual citizens – do to help create jobs or demand for chemists?"*

Finally, in response to inquiries from committees, CPC will work with N&E to develop guidelines for committees on the efficient and effective collection of information by clear and concise survey questions that can be answered during committee oral reports with the use of clickers.

Committee on Committees (ConC)

Dawn A. Brooks, committee chair, reported that ConC will conduct its annual New Chairs Training Session in Dallas, Texas, January 24-26, 2014, as part of the ACS Leadership Institute; ConC is developing its recommendations for 2014 committee chair, member, associate, and consultant appointments for the President-Elect and Chair of the Board; and performance reviews for IAC and the Committee on Nomenclature, Terminology and Symbols (NTS) are complete and are on the Council agenda for action.

6. VOTED, on the recommendation of the Committee on Committees, and subject to concurrence by the Board of Directors, that the Committee on International Activities and the Committee on Nomenclature, Terminology and Symbols be continued.

7. VOTED, on the recommendation of the Committee on Committees, with the concurrence of the Council Policy Committee and subject to the concurrence of the Board of Directors, that the amendments to the charter of the Committee on International Activities be approved.

8. VOTED, on the recommendation of the Committee on Committees, with the concurrence of the Council Policy Committee, that the amendments to the charter of the Committee on Nomenclature, Terminology and Symbols be approved.

On behalf of the Council, ConC recognized 38 Councilors who will have served the statutory limit or otherwise completed their service on ACS governance committees at the end of 2013; 11 committee chairs who will have served the statutory limit on the committee they chair; and 29 Councilors observing 15, 20, 25, 30, or 40 years of service as members of the Council.

Nominations and Elections (N&E)

William H. (Jack) Breazeale, committee chair, reported the results of the morning's elections to the Council Elected Committees (see items 3, 4, and 5).

He said that a joint N&E-CPC Task Force on Election Timelines was formed to review and make recommendations to their respective committees on the timelines in place for ACS elections. A key impetus for this joint task force was the Petition to Amend National Election Timelines, which was up for action before the Council last year in New Orleans. The petition, which failed to pass Council, would have altered the process by which nominees for President-Elect become candidates for that office. In voting to oppose the petition at its committee meeting in New Orleans, N&E noted that it supported the petition's goal of shortening the election timelines. It also recommended a joint task force with CPC to review the election timelines, with a focus on trying to shorten them. CPC supported N&E's request that a joint task force be formed, noting that the current process has served as a barrier to attracting some high quality candidates for ACS national office.

The charge of the task force is to review the current election timelines and make recommendations to shorten the process and to make it more appealing to prospective candidates. The task force met Sunday morning in Indianapolis. He stated his hope that the task force can deliver its final recommendations to N&E and CPC at the spring 2014 national meeting in Dallas.

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 10 percent of the average number of members residing in the district. 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 a proposal last year to the Council meeting in Philadelphia to bring District III into compliance, numerous Councilors suggested a more comprehensive realignment proposal be developed that would better "stand the test of time". In response, N&E prepared a broader proposal for the realignment of the six districts.

9. VOTED, on the recommendation of the Committee on Nominations and Elections, with the concurrence of the Council Policy Committee, that the realignment of ACS electoral districts as presented be approved.

Ballots for the 2013 fall national election will be mailed on October 4, with a voting deadline six weeks later on November 15. Members have the option of voting electronically or by the traditional paper ballot. Dr. Breazeale then announced the candidates for ACS President-Elect 2014, candidates for Directors-at-Large (2014-2016), and candidates for District II Director (2014-2016) and District IV Director (2014-2016).

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

Pat N. Confalone, committee chair, reported that for the 2013 probable year-end projection, ACS reports favorable projected operating results. Projected total revenues are \$491.8M (\$7.6M unfavorable) while expenses are projected at \$477.2M (\$8.9M favorable). The net from operations is projected to be \$14.5M, or \$1.3M favorable to the 2013 approved budget.

ACS is projected to end the year in compliance with four of the five Board-approved financial guidelines. ACS is expected to satisfy the current ratio; debt ratio; free cash flow; and sustainability guidelines. However, ACS is not anticipating compliance with the fund balance guideline, which is a measure of the adequacy of the Society's unrestricted net assets (or reserves). As of July 31, 2013, unrestricted net assets are up to \$186M (from \$101M at December 31, 2012), which equates to a fund balance ratio of 38 percent, but still below the 50 percent minimum threshold for compliance.

The committee considered four new program funding and reauthorization requests and made certain recommendations to the Board of Directors. These were the ACS International Center, a national association of chemistry teachers, the ACS Entrepreneurial Initiative, and SciMind™.

Education (SOCED)

Andrew Jorgensen, committee chair, reported that SOCED is gratified by the Board's approval of the creation within ACS of a national association of chemistry teachers, which will provide a professional home for K-12 teachers of chemistry and access to specialized resources for the broader ACS community.

Dr. Jorgensen stated that SOCED recognized 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 National Research Council framework and its dimensions of Science and Engineering Practices, Disciplinary Core Ideas, and Cross Cutting Concepts. SOCED supported the Standards as a document that is broadly applicable as a basis for K-12 science instruction and called upon the Society to develop innovative programming to support the implementation of the Standards.

Finally, he reported that SOCED proposed forming two working groups with the Committee on Professional Training to address international education issues and a teacher preparation supplement to the ACS Guidelines for Bachelor's Degree Programs.

Science (ComSci)

Katherine C. Glasgow, committee chair, reported that since the spring meeting in New Orleans, the Committee on Science (ComSci) has worked to identify one or two priority emerging multi-disciplinary science issues by year-end to guide their content development and programming over the next two years; launched a new series of video interviews with Nobel laureates as part of the larger ACS "Chemistry over Coffee" video interviews with celebrated chemists; led to the development of a new ACS policy statement on forensic science; helped to draft a policy statement on chemical risk assessment and management; made plans to work with other committees this fall to revise ACS policy statements on visa restrictions and scientific integrity; worked with the Committee on Chemistry and Public Affairs and others on a potential new policy statement on fracking; continued to work with the Committee on Environmental Improvement to carry on the Climate Science Initiative, spearheaded by ACS Past President Bassam Shkhashiri, and offered support in matters of technical content and proposal review.

Regarding programming at ACS national meetings, ComSci organized a successful session at this meeting, featuring a first-rate group of young investigator award winners discussing hot topics in organic and medicinal chemistry. Next spring at the national meeting in Dallas, ComSci will organize another emerging science forum featuring a panel session of Nobel laureates. The committee expressed pleasure at being part of the new Supply and Demand Task Force recently established under the leadership of President Wu, to help bring the supply and demand of chemical scientists and jobs into a better equilibrium. Finally, ComSci is currently considering possible ACS nominees to be submitted next spring for the Presidential National Medal of Science and is working with the Committee on Patents and Related Matters towards an ACS submission next year for the companion National Medal of Technology.

Reports of Standing Committees

Local Section Activities (LSAC)

Mitchell R. M. Bruce, committee chair, reported that the Committee on Local Section Activities (LSAC) presented the 2012 ChemLuminary Awards for Outstanding Performance for Local Sections to six local sections represented by size category and also presented awards for best activity or program on stimulating membership involvement, most innovative new activity or program, local section partnership, and a joint DAC/LSAC award.

Nearly all of the reviews of annual reports that have been submitted have been completed. LSAC has noted sections that are at-risk because of low levels of activity, and will be developing guidelines to help local sections to move off an at-risk list.

LSAC has received a number of Innovative Project Grant (IPG) proposals and will award 12 grants totaling \$30,386. This brings the total for 2013 to 33 IPG awards totaling over \$73,000.

National Chemistry Week, sponsored by the Committee on Community Activities, will be held October 20-26, and LSAC encourages all local sections to celebrate the theme, "Energy Now and Forever".

The committee reviewed the current language in the ACS Constitution and Bylaws related to probationary divisions and has found that no similar language exists for local sections. LSAC will work on a petition to address this in the Society's Bylaws.

LSAC reviewed a petition from the Syracuse Section requesting to change its name to the Central New York Section. This name change will be a more accurate reflection of the geographical locations of its membership. The neighboring sections were informed of this request and had no objections. LSAC voted to approve this petition.

10. VOTED, on the recommendation of the Committee on Local Section Activities, with the concurrence of the Council Policy Committee, that the name of the Syracuse Section be changed to the Central New York Section.

LSAC has been monitoring the activity of the Monmouth County Section for the past three years and has been in contact with the section and its leadership regarding a decline the section's activities. LSAC recommends that the Monmouth County Section be dissolved effective January 1, 2014.

11. VOTED, on the recommendation of the Committee on Local Section Activities, with the concurrence of the Council Policy Committee, that the Monmouth County Section be dissolved effective January 1, 2014.

The North Jersey Section plans to submit a petition in 2014 to annex the Monmouth County territory.

Membership Affairs (MAC)

Wayne E. Jones, committee chair, reported that the Committee on Membership Affairs (MAC) continues to focus on new efforts to recruit and retain members in the face of a declining number of regular members over the last decade. As of August 2013, ACS membership is lagging behind this time last year by a little over 2,000. Efforts to close this gap include a membership solicitation sent in early September to more than 900,000 prospective members worldwide; a series of small targeted e-mail campaigns; and a social media presence to support and enhance existing campaigns. Net membership growth has increased by 404 in July, by 69 in August, and by 148 so far in September. MAC has four test campaigns under the new bylaw provisions, with an additional one in the development stage, and at this meeting explored two new recruitment and retention initiatives.

The committee reviewed research requested from staff on international pricing strategies, including market capacity, global capacity, and competition/cooperation from sister societies. The committee will be working with ACS staff across all operating units and IAC to develop a suitable strategy that would be

recommended to Council for a future test. Also under consideration is an institutional membership model under which ACS would facilitate the application process and renewal of ACS members through their employers. Discussions are preliminary, and MAC would welcome input from interested Councilors.

Meetings and Expositions (M&E)

Will E. Lynch, committee chair, reported that the Society accepted 6,684 papers for this meeting, and that the meeting attendance was 10,840. The Exposition attracted 361 booths with 229 exhibiting companies. B&F approved the M&E's recommendation that the early member registration fee for the 2014 national meeting be set at \$380. The Board of Directors has established a Task Force on Financial Goals for National Meetings and Expositions, which has met several times and is in the final stages of drafting recommendations. M&E expects to submit these recommendations to the Board of Directors within the next sixty days.

The committee heard a report from staff regarding the Abstract System Replacement Project. A vendor has been chosen, contract negotiations have started, and an implementation and development plan has begun. The new system will be available for the spring 2015 national meeting. The committee also reviewed a request by a division for a permanent exemption to the even programming rules. After a lengthy discussion, the committee voted not to consider requests for permanent exemptions.

M&E also examined the reasoning behind an expressed need to have Wi-Fi access inside technical session rooms. The cost of this feature is prohibitive and the committee felt access to Wi-Fi would cause distraction to the technical content being delivered. The committee voted not to implement Wi-Fi access in meeting rooms at this time.

Finally, additional steps are being taken to reinforce the policy that prohibits attendees inappropriately photographing and/or recording technical talks at national meetings.

Divisional Activities (DAC)

Mike Morello, committee chair, reported that the Committee on Divisional Activities (DAC) and M&E reviewed a petition from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces, and Nanomaterials. All 32 divisions were polled to obtain their views on this request. Twenty-two divisions registered either implicit or explicit neutrality, or no objection, while six registered opposition, and four expressed support.

12. A motion to change the name of the Division of Colloid and Surface Chemistry to the Division of Colloids, Surfaces, and Nanomaterials, effective January 1, 2015, FAILED.

In other business, DAC received an update regarding the replacement of the software application used to organize technical programs at national and regional meeting; voted to fund 12 Innovative Project Grants (IPG) totaling \$76,000; will consider another set of IPG proposals at the ACS national meeting in Dallas; is working with the IAC to help divisions identify and pursue overseas opportunities that will help them advance their missions.

The Multidisciplinary Program Planning Group confirmed the 2015 national meeting themes, "Extraction, Refining and Conservation" (spring, Denver), and "History of Innovation: From Discovery to Application" (fall, Boston).

At the 2014 spring national meeting in Dallas, DAC will present a recommendation to Council regarding the committee's proposed formula for allocating funds to divisions.

Constitution and Bylaws (C&B)

Harmon B. Abrahamson, committee chair, reported that since the beginning of the year the Committee on Constitution and Bylaws (C&B) has certified eight sets of bylaws. Since the 2013 spring meeting, C&B has submitted detailed bylaw reviews to 12 local sections, one division and one region. There are 109 local sections that have not updated their bylaws since the year 2000, and 14 divisions that have not updated their bylaws since 2007. These and other divisions and local sections must still conduct their elections by U.S. mail because their bylaws are not up to date. C&B has a bylaw status report posted online, and at this meeting discussed and approved a new optional process for expedited bylaw reviews that will be faster than C&B's current three-month turnaround. Unfortunately, the committee cannot offer this expedited bylaw review process for divisions and local sections that are incorporated because their bylaws must be in accord with their articles of incorporation and this requires a detailed review.

Finally, new petitions to amend the Constitution and/or Bylaws must be received by the Executive Director by November 27 to be included in the Council agenda for consideration at the 2014 spring meeting.

Economic and Professional Affairs (CEPA)

Lisa Balbes, committee chair, reported that the unemployment rate for chemists overall has fallen from the all-time high of 4.6 percent in March 2011 to 3.5 percent in March 2013. From the Comprehensive Salary Survey, the unemployment rate for bachelor level chemists as of March 2013 was 4.6 percent, for master level chemists 4.7 percent, and for Ph.D. chemists 3.0 percent. Full-time employment for chemists overall is 91.1 percent, the highest rate since 2008. Salaries for Ph.D. chemists rose by 1.4 percent this year, while bachelor's degree recipients' salaries dropped 2.6 percent. The percentage of chemical professionals in full-time employment went up; the percentage in part-time employment went down; while the number of post-docs stayed the same. A more complete review of the Comprehensive Salary Survey will be published September 23 in *Chemical & Engineering News*.

A proposed revision of the Professional Employment Guidelines is included in the agenda book. Councilors were asked to review and send any suggestions or revisions to careers@acs.org by November 1.

Finally, the ACS Career Fair attracted 940 job seekers in total. The on-site career fair had 28 employers, 99 jobs, and 12 booths. The Virtual Career Fair had 10 employers, and 169 jobs. Thirty-two workshops and hundreds of mock interviews and resume reviews were conducted at this meeting.

Special Discussion Item

The Council engaged in a special discussion on “What can we – as the Society and as individual citizens – do to help create jobs or demand from chemists?” The discussion was preceded by a presentation by Dr. Wu. She shared five of the seven recommendations to ACS from the presidential task force, “Vision 2025: Helping ACS Members to Thrive in the Global Chemistry Enterprise,” and what they might imply for our efforts to help create jobs, namely, that ACS discover and share information about the skills and competencies that a wide range of employers will need; continue to expand resources that help our members to position themselves for successful careers in the global chemistry enterprise; enable entrepreneurs to create and strengthen their startups that hire chemistry professionals; advocate for policies that improve the business climate and promote the creation of chemistry jobs; and work with other stakeholders to understand and influence the supply and demand of chemists and jobs.

Following the presentation, more than 30 Councilors engaged in a discussion of this focused topic on possibilities to encourage jobs creation and offered numerous suggestions. Dr. Wu concluded the discussion by informing Council that a summary would be sent to all ACS Council-related committees. They were encouraged to consider and evaluate which proposed ideas would have the most promise, and work toward their implementation.