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# **AMERICAN CHEMICAL SOCIETY**

## **Council Agenda**

**Wednesday, March 28, 2012  
8:00 AM**

**Marriott Hall**

**San Diego Marriott Marquis & Marina Hotel**

**San Diego, California**

COUNCIL, AMERICAN CHEMICAL SOCIETY  
8:00 AM, March 28, 2012  
Marriott Hall  
San Diego Marriott Marquis & Marina Hotel  
San Diego, California

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DRAFT  
MINUTES  
COUNCIL  
AMERICAN CHEMICAL SOCIETY  
August 31, 2011  
Denver, Colorado

The Council of the American Chemical Society met in Denver, Colorado, on August 31, 2011, beginning at 8:00 a.m. Nancy B. Jackson, President of the Society and of the Council, presided. The following Councilors, Alternate Councilors, and accredited representatives were present:

**Ex-Officio:** George M. Bodner, Ronald Breslow, Bruce E. Bursten, William F. Carroll, Jr., Charles P. Casey, Dennis Chamot, Bonnie A. Charpentier, Pat N. Confalone, Peter K. Dorhout, Joseph S. Francisco, Helen M. Free, Ned D. Heindel, Catherine T. Hunt, Nancy B. Jackson, Madeleine Jacobs, Neil D. Jespersen, Larry K. Krannich, Valerie J. Kuck, Thomas H. Lane, Flint H. Lewis, E. Ann Nalley, Attila E. Pavlath, Kathleen M. Schulz, Bassam Z. Shakhashiri, Kent J. Voorhees, Marinda Li Wu.

**Divisions:** *Agricultural and Food Chemistry*, John W. Finley, Michael J. Morello, Agnes M. Rimando, Sara J. Risch. *Agrochemicals*, Jeanette M. Van Emon, R. Don Wauchope. *Analytical Chemistry*, Michelle V. Buchanan, M. Bonner Denton, Catherine C. Fenselau, Roland F. Hirsch. *Biochemical Technology*, David E. Block\*, Arindam Bose, Frederick G. Heineken, Sharon P. Shoemaker. *Biological Chemistry*, Kate S. Carroll\*. *Business Development & Management*, Janet L. Bryant, Michael Hurrey. *Carbohydrate Chemistry*, Derek Horton, John R. Vercellotti. *Cellulose & Renewable Materials*, Sheila M. Murphy\*. *Chemical Education*, Renee S. Cole, Resa M. Kelly, Jennifer E. Lewis\*, Laura E. Pence. *Chemical Health & Safety*, Robert H. Hill, Jr., Frankie K. Wood-Black. *Chemical Information*, Bonnie Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, J. Scott Daniels. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, John N. Russell, Jr., Maria M. Santore, Robert D. Tilton. *Computers in Chemistry*, Emilio X. Esposito, Peter C. Jurs, Veerabahu Shanmugasundaram\*, Ralph A. Wheeler. *Environmental Chemistry*, V. Dean Adams, Alan W. Elzerman, Jurgen H. Exner, Martha J.M. Wells. *Fluorine Chemistry*, Donald J. Burton. *Fuel Chemistry*, Joseph M. Calo, Semih Eser. *Geochemistry*, R. Lee Penn\*\*. *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*, Alan L. Balch, Silvia Ronco. *Medicinal Chemistry*, Peter R. Bernstein\*, Richard A. Gibbs, Shelli R. McAlpine\*, Wendel L. Nelson. *Nuclear Chemistry & Technology*, Dawn A. Shaughnessy\*. *Organic Chemistry*, Michael P. Doyle, Donna M. Huryn, Barry B. Snider, Christopher J. Welch. *Petroleum Chemistry*, Anne M. Gaffney, Martin L. Gorbaty. *Physical Chemistry*, John E. Adams, Michael R. Berman, Paul W. Jagodzinski, Ellen B. Stechel. *Polymer Chemistry*, Frank D. Blum, H.N. Cheng, William H. Daly, John M. Pochan. *Polymeric Materials: Science & Engineering*, Ray A. Dickie, Benny D. Freeman, David J. Lohse. *Professional Relations*, John K. Borchardt, John L. Massingill, Jr. *Rubber*, John M. Long, Charles P. Rader. *Small Chemical Businesses*, Sharon V. Vercellotti.

**Local Sections:** *Akron*, James E. Duddey, Anoop Krishen\*. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Edward J. Parish. *Baton Rouge*, Anne K. Taylor. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Mark D. Frishberg, Sheila Kanodia, Lee H. Latimer, Alex M. Madonik, Eileen M. Nottoli, Paul F. Vartanian, Elaine S. Yamaguchi. *California Los Padres*, Albert C. Censullo. *Carolina-Piedmont*, Matthew K. Chan, 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*, Donovan R. Porterfield, Steven K. Showalter. *Central North Carolina*, Timothy D. Ballard, Robert A. Yokley. *Central Ohio Valley*, Gary D. Anderson. *Central Pennsylvania*,

\* Alternate Councilor

\*\* Temporary Substitute Councilor

Paul D. Schettler, Jr. **Central Texas**, James E. Boggs, Linette M. Watkins\*. **Central Wisconsin**, C. Marvin Lang. **Chattanooga**, Maurice R. Smith. **Chemical Society of Washington**, Joseph M. Antonucci, Daron I. Freedberg\*, Carol J. Henry, John M. Malin, N. Bhushan Mandava, Kim M. Morehouse, Douglas J. Raber, John M. Ruth, James J. Zwolenik. **Chicago**, Cherlynlavaughn Bradley, Charles E. Cannon, Mark C. Cesa, David S. Crumrine, Herbert S. Golinkin, Russell W. Johnson, Fran K. Kravitz, Milt Levenberg, Inessa Miller, Barbara E. Moriarty, Susan M. Shih. **Cincinnati**, Bruce S. Ault, Kathleen Gibboney, William R. Oliver, Roger A. Parker. **Cleveland**, Samina Azad, David W. Ball, Dwight W. Chasar. **Coastal Georgia**, Will E. Lynch. **Colorado**, Lawrence J. Berliner, Sandra J. Bonetti, Connie Gabel\*, Kimberly O. Pacheco, Angela R. Powers. **Columbus**, Theresa A. Huston, Virginia H. Songstad, Jeffrey B. Trent. **Connecticut Valley**, Ronald D. Archer, Adrienne W. Kozlowski\*, Julianne M.D. Smist, Frank J. Torre. **Cornell**, Thomas A. McCarrick. **Corning**, Roger F. Bartholomew. **Dallas-Fort Worth**, Linda D. Schultz, E. Thomas Strom, Angela K. Wilson. **Dayton**, Steven Trohalaki. **Delaware**, Allen A. Denio, Tiffany N. Hoerter, Martha G. Hollomon. **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**, Tracy A. Halmi\*. **Florida**, Béla S. Buslig, Carmen V. Gauthier. **Georgia**, Lissa Dulany, Rigoberto Hernandez, Donald G. Hicks\*, Joseph P. Stoner. **Greater Houston**, Simon G. Bott, Carolyn A. Burnley, Lawrence W. Dennis, Amber S. Hinkle, Mamie W. Moy, David M. Singleton. **Green Mountain**, Willem R. Leenstra. **Hampton Roads**, Geoffrey C. Klein\*. **Heart O'Texas**, Darrell G. Watson. **Huron Valley**, Ellene T. Contis. **Idaho**, Joshua J. Pak\*. **Illinois Heartland**, Wayne Bosma\*\*. **Illinois-Iowa**, Richard G. Rogers. **Indiana**, Dawn A. Brooks, Ann H. Hunt, Robert A. Pribush. **Indiana-Kentucky Border**, Jeff W. Seyler. **Inland Northwest**, Jeffrey A. Rahn. **Iowa**, Addison Ault. **Kalamazoo**, Lydia E.M. Hines. **Kanawha Valley**, Madan M. Bhasin\*. **Kansas City**, William G. Gutheil\*, Eckhard Hellmuth. **Kansas State University**, Daniel A. Higgins. **Kentucky Lake**, Charles M. Baldwin. **LaCrosse-Winona**, Ressano Machado. **Lake Superior**, Donald K. Harriss. **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**, H. David Wohlers. **Maryland**, Merle I. Eiss, David F. Roswell, Paul J. Smith, Stephanie Watson. **Michigan State University**, Robert E. Maleczka\*\*. **Middle Georgia**, John H. Lauterbach\*. **Mid-Hudson**, George W. Ruger. **Midland**, Wendy C. Flory, Bob A. Howell. **Milwaukee**, Joseph J. Piatt. **Minnesota**, Marilyn Duerst, Ramesh C. Kumar, Sarah M. Mullins, Danae Quirk-Dorr\*, Wayne C. Wolsey. **Mobile**, Mark Watry\*. **Mojave Desert**, Peter Zarras. **Mo-Kan-Ok**, **The Tri-State**, Khamis S. Siam. **Montana**, Kyle S. Strode. **Nashville**, Ruth A. Woodall. **Nebraska**, Michael D. Mosher. **New Haven**, Olivier Nicaise, Gerald J. Putterman. **New York**, Donald D. Clarke, Ronald P. D'Amelia, Richard M. Goodman, Hiroko I. Karan\*, Joan A. Laredo-Liddell, Anne T. O'Brien, Frank Romano. **North Alabama**, Scott Miller\*\*. **North Carolina**, James L. Chao, Alvin L. Crumbliss, Richard A. Palmer, Laura S. Sremaniak, Alan E. Tonelli. **North Jersey**, Jeannette E. Brown, Jacqueline A. Erickson, Marilyn D. Gorman, Landon R. Greene\*, Stan S. Hall, Elizabeth M. Howson\*, Allene Johnson\*, Anne M. Kelly, Diane Krone, Les W. McQuire, Michael M. Miller, William H. Suits. **Northeast Georgia**, Michael B. McGinnis. **Northeast Tennessee**, John K. Sanders. **Northeast Wisconsin**, Martin D. Rudd. **Northeastern**, Michaeline F. Chen\*, Catherine E. Costello, Michael P. Filosa, Thomas R. Gilbert, Patrick M. Gordon\*, Morton Z. Hoffman, Robert L. Lichter, Patricia A. Mabrouk, Norton P. Peet\*, Dorothy J. Phillips, Mary J. Shultz, Michael Singer, Ruth E. Tanner. **Northeastern Indiana**, Michael J. Brownfield. **Northeastern Ohio**, Carol A. Duane. **Northern New York**, Richard E. Partch. **Northern Oklahoma**, Kay Bjornen\*\*. **Northwest Central Ohio**, Amelia Anderson-Wile\*\*. **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. **Ouachita Valley**, Ralph Zehnder\*\*. **Penn-Ohio Border**, Doris L. Zimmerman. **Pensacola**, Allan M. Ford. **Permian Basin**, David A. Carter. **Philadelphia**, Anthony W. Addison, Judith H. Cohen, Deborah H. Cook, Judith Currano, Anne S. DeMasi, Robert J. Levis, Margaret A. Matthews, John G. Nikelly, Kathleen T. Shaginaw, Judith A. Summers-Gates. **Pittsburgh**, Richard S. Danchik, James A. Manner, Robert Mathers\*, Vincent M. Mautino. **Portland**, James O. Currie, Jr\*.

**Princeton**, Lynne P. Greenblatt, Louise M. Lawter. **Puerto Rico**, Ingrid Montes. **Puget Sound**, Jennie Mayer\*, Gregory L. Milligan, Philip J. Reid, Mark Wicholas. **Purdue**, Suzanne C. Bart. **Red River Valley**, Harmon B. Abrahamson. **Rhode Island**, Carolyn H. Kendrow. **Richland**, Richard A. Hermens. **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**, Peter J. Stang. **San Antonio**, Terrill D. Smith. **San Diego**, Thomas R. Beattie, Hui Cai, Surya K. De\*, John G. Palmer, J. Kenneth Poggenburg, Jr., Barbara Sawrey, Sonja Strah-Pleyne. **San Geronio**, James A. Hammond, J. Ernest Simpson. **San Joaquin Valley**, Melissa L. Golden. **Santa Clara Valley**, Abigail Kennedy, Natalie L. McClure\*, Aaron Novack\*, Howard M. Peters, 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, Zaida C. Morales-Martinez. **South Jersey**, Guenter Niessen. **South Texas**, Thomas R. Hays. **Southeastern Pennsylvania**, Michael L. Webb. **Southern Arizona**, Patricia A. Schumann. **Southern California**, Henry I. Abrash\*, Rita R. Boggs, Robert de Groot, Eleanor D. Siebert, Barbara P. Sitzman. **Southern Illinois**, Rachel M. Theall. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Onofrio G. Gaglione. **Southwest Georgia**, M. Elizabeth Derrick. **Southwest Louisiana**, Robert K. Pertuit. **St. Joseph Valley**, J. Philip Bays. **St. Louis**, Lisa M. Balbes, Lawrence Barton, Donna G. Friedman, Alexa B. Serfis. **Susquehanna Valley**, Dee A. Casteel. **Syracuse**, Venera Jouraeva. **Tampa Bay**, Thomas A. Jackman. **Texas A&M**, David E. Bergbreiter. **Toledo**, Andrew D. Jorgensen. **Trenton**, Jerome Goodkin. **University of Arkansas**, Matt C. McIntosh\*. **University of Missouri**, Ingolf Gruen. **Upper Peninsula**, Martin Thompson. **Virginia**, Patrick G. Barber, R. Gerald Bass, 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 Maryland**, Don B. Weser. **Western Michigan**, Mark A. Thomson. **Western New York**, David P. Nalewajek. **Wichita**, D. Paul Rillema. **Wisconsin**, Martha L. Casey, Ieva L. Reich. **Wooster**, Judith Amburgey-Peters\*\*. **Wyoming**, John O. Hoberg.

**Nonvoting Councilors:** Allison Aldridge, Rudy M. Baum, Brian A. Bernstein, Brian D. Crawford, Denise L. Creech, Laurence J. Doemeny, Cheryl B. Frech, Lynn Hogue, Mary M. Kirchhoff, Cynthia K. Larive, Sadiq Shah.

**Noncouncilors:** Elizabeth P. Beckham, Yvonne D. Curry, Alicia E. Harris, David E. Harwell, Alan L. Hutchins, Christi Pearson, Barbara F. Polansky, Sophie L. Rovner, David T. Smorodin, Simanco R. Staley, Frank E. Walworth, Marleen G. Weidner.

The preceding list of attendees at the Council meeting includes the following: 26 Ex- Officio Councilors; 81 Division Councilors (72 elected, 8 alternate, 1 temporary); 315 Local Section Councilors (279 elected, 29 alternate, 7 temporary); 11 Nonvoting Councilors; and 12 Noncouncilors (staff and others). Approximately 55 observers were in attendance.

### Resolution

The Council ADOPTED the following resolution as presented by Carolyn Ribes:

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

Ms. Mary E. Castellion  
Science writer, co-author of the  
textbook, *Fundamentals of General Organic  
and Biological Chemistry*

Western Connecticut  
1984-1988; 1994-2002; 2006

Dr. Anne R. Leslie Retired, EPA, Chemical Society of Washington Gordon Award Recipient	Chemical Society of Washington 1987-2007
Dr. Bruno J. Zwolinski Emeritus professor, Texas A&M University	Texas A&M 1966-1977 Bylaw Councilor 1978
Dr. Robert E. Lyle, Jr. Chemical Educator	Northeastern 1968-1976 Medicinal Chemistry 1978-1983; 1986-1991 Bylaw Councilor 1984 and 1992
Dr. William B. Martin, Jr., Chemistry professor, Union College	Eastern New York 1966-1968
Dr. Charles H. (Hap) Fisher Retired Director, USDA- SR&DL, Region IV Director	Louisiana 1951-1953 Philadelphia 1946-50 Ex Officio 1969-1971
Dr. C. Gordon McCarty Retired Bayer research advisory and university relations manager Director-at-Large	Upper Ohio Valley 1986-1991 Pittsburgh 1992-1999 Ex Officio 2000-2008
Dr. Dean W. Cooke Professor emeritus, Western Michigan University	Kalamazoo 1978-2007
Dr. Noel H. Turner Research chemist, Naval Research Lab	Chemical Society of Washington 2009-2011

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 March 30, 2011.

#### 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 (ConC) beginning in 2012: Matthew K. Chan, Richard S. Danchik, Rigoberto Hernandez, Roland F. Hirsch, James M. Landis, Jr., Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters, Sara J. Risch and Jason E. Ritchie. By electronic ballot, the Council ELECTED Rigoberto Hernandez, Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters and Sara J. Risch for the 2012-2014 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 2012: Spiro D. Alexandratos, Lawrence Barton, Michael J. Brownfield, John W. Finley, Mark D. Frishberg, Peter C. Jurs, Mamie W. Moy and Eleanor D. Siebert. By electronic ballot, the Council ELECTED Lawrence Barton, Peter C. Jurs, Mamie W. Moy and Eleanor D. Siebert for the 2012-2014 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 2012: R. Gerald Bass, Cherlynlavaughn Bradley, William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Robert L. Lichter, Anne T. O'Brien, Robert A. Pribush, Andrea B. Twiss-Brooks, and Steven W. Yates. By electronic ballot, the Council ELECTED William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Anne T. O'Brien, and Andrea B. Twiss-Brooks for the 2012-2014 term.

#### Reports of Society Officers

**President Nancy Jackson** noted that times are changing and that the ACS is responding to change. She said that unemployment and underemployment are high, so ACS now holds virtual career fairs, teaches local sections how to help job seekers, and will soon offer support to those who would like to be entrepreneurs. Dr. Jackson added that federal support of research is waning and the ACS Office of Public Affairs is on Capitol Hill patiently talking to each new member of Congress about the role of federally supported research in innovation and jobs.

Dr. Jackson reported on her work with ACS Past President Katie Hunt and others to establish the Presidential Roundtable on Sustainable Manufacturing, whose membership will include chemical and allied product companies, national labs, academic institutions and professional organizations. She said the first activity will be to provide a one-page document that summarizes the different elements of a sustainable manufacturing research agenda. The goal here is to assist the federal government in identifying the research that is essential in order to facilitate the development of sustainable manufacturing in the US. Dr. Jackson concluded her report by thanking the Council for a once-in-a-lifetime opportunity to represent ACS during the International Year of Chemistry.

**President-Elect Bassam Z. Shakhshiri** proudly acknowledged that he is a 50-year member of the Society and then presented a check for what normally would be his meeting registration fee to Executive Director Madeleine Jacobs in support of the ACS Scholars Program. Dr. Shakhshiri complimented Society volunteers and staff for the excellent work they do. He then shared his 2012 presidential theme "Advancing Chemistry – Communicating Chemistry" and four initiatives: 1) ACS and the Sesquicentennial of the Morrill Land Grant Act; 2) a blue ribbon panel to examine the purposes of graduate education; 3) helping the public understand the *science* of climate change; and 4) an ACS high school teacher fellowship program.

**Immediate Past President Joseph S. Francisco** announced his start of a project to produce a list of all ACS presidents on acs.org. Dr. Francisco said that he is the 122<sup>nd</sup> individual to serve as ACS President. He then shared that among the presidents in the first 100 years were Harvey W. Wiley, president in 1893



and 1894, who was instrumental in the establishment of the Federal Drug Administration; and Ira Remsen, president in 1902, who was the father of graduate chemical education in the US and president of Johns Hopkins University.

Dr. Francisco noted three other presidents: Glenn T Seaborg, a Nobel laureate (1976); Henry A. Hill, the first African-American president (1977); and Anna J. Harrison, the first female president (1978). He added that of the 122 past presidents, 23 served on the faculties of Land Grant Institutions; 5 have been from the faculty of the University of California – Berkeley; 5 have won the Nobel prize; and that there are 21 living past presidents. Dr. Francisco closed his report by inviting Councilors to visit [www.acs.org/acspresidents](http://www.acs.org/acspresidents) to read more about the project.

**Board Chair Bonnie A. Charpentier** began her remarks with an update on the Leadscope case. She reminded Councilors that ACS had appealed to the Ohio Supreme Court and that the Court had agreed to hear the case. Dr. Charpentier added that in written briefs filed in support of our position (that the lower court rulings were both unfair and unconstitutional), ACS has been joined by several prestigious organizations and the Ohio Attorney General. She reported that the Ohio Supreme Court had denied the Leadscope defendants' motions seeking to dismiss the Society's appeal, and has scheduled oral arguments for September 7 in Columbus, Ohio.

Next, Dr. Charpentier reported on several actions taken by the Board at the August meeting: re-authorization to fund several programs recommended by the Committee on Budget and Finance (*ACS Fellows*, *ACS Leadership*, *ACS Scholars*, and *ACS Global Research Experiences, Exchanges and Training – GREET*); funding for a new program, the *ACS Entrepreneurship Initiative*; and the adoption of a non-councilor reimbursement policy to allow reimbursement of travel costs to committee meetings at national meetings for non-councilor committee members at the rate of 50% of the Councilor travel reimbursement. Dr. Charpentier also reported that the Board approved nominees for two awards, and guidelines for the ACS selection and engagement in human rights cases, wherever they occur. Dr. Charpentier concluded her comments by thanking those who participated in the well-attended open session of the Board which featured a forum on what ACS is doing, or can do, to assist members who are facing employment challenges in uncertain economic times.

**Executive Director and CEO Madeleine Jacobs** reported that ACS has created new programs to assist unemployed members and is providing new resources for all members, from students to seasoned professionals. She announced the release of the report titled "Innovation, Chemistry and Jobs" which is available in hardcopy and on the web at [www.acs.org/creatingjobs](http://www.acs.org/creatingjobs), and the first ever fully integrated onsite and virtual career fair in Denver offering job seekers and virtual participants via webcam the opportunity to interact with each other and to connect with perspective employers.

Ms. Jacobs reported that the National Science Foundation and the National Institutes of Health have awarded the Society a grant of more than \$1 million for International Year of Chemistry educational programs. The funding will be used to create and distribute free guides to teachers working with upper elementary and middle school students to carry out chemistry activities related to the environment, energy, materials and health. Ms. Jacobs announced that ACS members will be able to search and browse all ACS journals, books, and C&EN archives and will be provided with 25 article downloads annually as part of member dues. She said that every member also will have subscription-based access to C&EN issues through a new C&EN Mobile App. The app delivers the entire magazine to smart phones and tablet devices.

#### Reports of Elected Committees

##### Council Policy Committee (CPC)

**Carolyn Ribes**, committee vice chair, reported that CPC drafted a bylaw proposal to amend the recorded

vote request procedure that is up for consideration at this meeting. Dr. Ribes announced that CPC voted to inaugurate a mentoring program beginning with all new Councilors elected to serve in 2012. She stated that CPC and ConC presented a proposal for travel reimbursement for non-councilor attendance and service at Council-related committee meetings held during the national meeting timeframe. Dr. Ribes noted that both the Committee on Budget and Finance and the Board of Directors voted to approve funding for this initiative in the 2012 budget.

Dr. Ribes reported that CPC discussed its role as the executive committee of the Council, including its critique process for review of officer and committee reports. She said that a request for feedback from Councilors will appear in an issue of the Councilor Bulletin and the ACS Network. Dr. Ribes thanked Councilors for helping to identify the key goals that will enable the Society to serve chemists and chemistry in the future.

#### Committee on Committees (ConC)

**Les W. McQuire**, committee chair, reported that ConC will conduct its annual New Chairs Training Session in Fort Worth, Texas, January 20-22, 2012, as part of the ACS Leadership Institute. He said that ConC is developing its recommendations for 2012 committee chairs, members, associates, and consultant appointments for consideration by the President-Elect and Chair of the Board. Dr. McQuire reported that performance reviews for the Committee on Community Activities and the Committee on Publications are complete and on the Council agenda for action.

6. VOTED, on the recommendation of the Committee on Committees, with the concurrence of the Council Policy Committee and subject to concurrence by the Board of Directors, that the Committee on Community Activities and the Committee on Publications be continued.

On behalf of the Council, ConC recognized 37 Councilors who will have served the statutory limit or otherwise completed their service on ACS governance committees at the end of 2011; 11 committee chairs who will have served the statutory limit on the committee they chair; and 29 Councilors observing 15, 20, 25, 30, 35 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 for the 2012-2014 terms (see items 3, 4, and 5). He said that N&E discussed different possible voting systems, and will continue to work to ensure uniformity in elections. Additionally, N&E is continuing to examine election timelines to consider the feasibility of shortening the timeframe of the nomination and election process, while still allowing ample time for petition candidates. Dr. Breazeale announced that a tutorial and FAQ on best practices for election procedures in ACS local sections and divisions has been prepared and will be made available on the N&E website.

Dr. Breazeale reported that ballots for the 2011 fall national election will be mailed on September 30 with a voting deadline seven weeks later on November 18. Members have the option of voting electronically or by the traditional paper ballot. Dr. Breazeale then announced the ACS president-elect candidates, candidates for Directors-at-Large, and candidates for District III Director and District VI Director.

#### Reports of Society Committees and the Committee on Science

##### Budget and Finance (B&F)

**Pat N. Confalone**, committee chair, reported that the Society is projected to end the year with a net contribution from operations of \$18.3 million, or \$5.0 million higher than the Approved Budget. Dr. Confalone said that the Society is expected to end the year in compliance with four of the five Board-established financial guidelines. Compliance with the Fund Balance Ratio, the Society's reserve adequacy guideline, is not anticipated.

Dr. Confalone reported that the committee agreed to recommend to the Board requests for reauthorization of the following four programs: *ACS Fellows*, *ACS Leadership*, *ACS Scholars* and *ACS Global Research Experiences, Exchanges, and Training – GREET*. He also reported that B&F agreed to recommend funding for the *ACS Entrepreneurship Initiative*. Dr. Confalone reported that the committee evaluated the budgeting process for committees and has identified several process improvements to be implemented with the 2012 proposed budget cycle. He added that B&F received a report from the Program Review Advisory Group (PRAG) on its 2011 review of Society programs in two program groupings: Chemistry Pipeline and Professional Preparation/Technical Training.

#### Education (SOCED)

**Mary K. Carroll**, committee chair, reported that the committee reviewed the report of a National Science Foundation (NSF) funded invitational workshop and strongly encouraged the ACS Education Division to prepare and submit a proposal to NSF for support of a Chemistry Teacher Education Coalition (CTEC) initiative, which is designed to engage chemistry departments to prepare future chemistry teachers. She said that SOCED reviewed three policy statements addressing evolution, computer simulations, and visas that will expire at the end of 2011. The committee voted to renew the evolution and computer simulations statements with minor edits, and approved changes to the statement on visas.

Dr. Carroll reported that SOCED voted to expand the ACS Student Chapter Community Interaction Grant to include projects targeting economically disadvantaged students in schools and with US Department of Education Title I status. She also stated that the US team earned two gold and two silver medals at the International Chemistry Olympiad in Ankara, Turkey, and that preparations are well underway for the US-hosted Olympiad to be held at the University of Maryland in 2012.

#### Science (ComSci)

**Sadiq Shah**, committee chair, reported that ComSci adopted a new strategic plan, which is organized around three strategic focus areas: identifying and advancing emerging frontiers in chemical science, national science policy priorities, and recognition of scientific achievements. He added that it is central to ComSci's mission to catalyze discussion among ACS divisions, committees and external experts on emerging multidisciplinary science issues, and how ACS can play a lead role in their development and advancement. Toward this strategic goal, ComSci is organizing special Nobel laureate and presidential young investigator awardee forums at ACS 2012 national meetings.

Dr. Shah said ComSci organized a successful session on "Financing Your Intellectual Property for Commercialization" at the Denver meeting. He added that the committee will hold a first-of-its-kind ACS business competition in San Diego. Dr. Shah concluded his report by stating that the committee is working to submit a nomination to the Board for the Presidential National Medal of Science.

#### Special Discussion Item

A special discussion item was on the Council agenda for this meeting. ACS President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges. At the 2011 ACS national meeting in Anaheim, the Committee on Chemical Safety launched an effort to identify ways to assist academia in strengthening and building strong safety cultures. Devastating incidents in academic laboratories and observations by many that graduates do not have strong safety skills, have elevated concerns about the safety culture in academia. Following Dr. Jackson's presentation, Councilors engaged in a robust discussion on this very timely topic, with numerous suggestions by 42 Councilors.

#### Reports of Standing Committees

Membership Affairs (MAC)

**Warren Hull**, representing the committee chair, announced that despite difficult economic and job reports, the Society's overall membership number remains stable at near 163,000. He added that the number of undergraduate student members is still growing rapidly, and as of July 31, totaled 15,702. Mr. Hull said that the soft economy and the domestic job market are being reflected in the number of regular domestic members, which has declined. At the same time, the number of unpaid members has increased since undergraduate student members were added as a new membership category in 2009.

Mr. Hull reported that MAC is especially interested in increasing the value of ACS to high school chemistry teachers and is working with the Division of Chemical Education and the Society Committee on Education on their exploration of a chemistry teacher association. He added that in order to provide membership recruiting and retention market data to inform decisions of the Council and Board, MAC is continuing its work on the Petition on Market Data Collection that is up for consideration at this meeting. Next, Mr. Hull called Councilors attention to the Petition on Position Statements which is up for action.

7. VOTED, on the recommendation of the Committee on Membership Affairs and with the concurrence of the Council Policy Committee and subject to the concurrence of the Board of Directors, that the Petition on Position Statements be approved.

Meetings and Expositions (M&E)

**William R. Oliver**, committee chair, reported that the 242<sup>nd</sup> ACS national meeting had attracted more than 10,000 registrants, and that because of the hurricane along the US East Coast, the committee will offer registrants who were unable to attend the meeting an opportunity to defer their registration to the 2012 spring meeting. Dr. Oliver said that less than 150 have requested refunds, along with three exhibitors.

Dr. Oliver said that M&E found Denver to be very accommodating for the meeting, but there was disappointing support from the membership. Therefore, M&E is reviewing the schedule of future meetings with a keen eye on experimental sites. He added that the committee is carefully examining the financial potential of a location and may, depending on the results of the examination, suggest moving away from some of the experimental cities to locations that have proven to be both desirable to attendees and financially viable. Dr. Oliver announced that the committee was pleased to recognize the Southeastern Regional Meeting for the outstanding regional meeting in 2009 with a ChemLuminary Award.

Divisional Activities (DAC)

**John M. Pochan**, committee chair, reported that DAC voted unanimously in June to support the combination of the Division of Fuel Chemistry and the Division of Petroleum Chemistry, and their new name: the Division of Energy and Fuels. Dr. Pochan outlined the steps leading to this vote, including discussions and polling of the divisions, and meeting with those who opposed the name change.

Dr. Pochan said that the probationary Division of Catalysis Science and Technology has now met all the requirements to obtain permanent status as a division of the Society, and that the Committee on Constitution and Bylaws has worked with the division to ensure that it developed an appropriate set of bylaws.

8. VOTED, on the recommendation of the Committee on Divisional Activities with the concurrence of the Council Policy Committee, that the Division of Petroleum Chemistry be dissolved, and that its assets and members be combined with those of the Division of Fuel Chemistry, under the new name of the Division of Energy and Fuels, effective December 31, 2011.

9. VOTED, on the recommendation of the Committee on Divisional Activities with the concurrence of the Council Policy Committee, that the probationary Division of Catalysis Science and Technology be granted permanent status as a division of the Society.

10. VOTED, on the recommendation of the Committee on Divisional Activities with the concurrence of the Council Policy Committee, that the bylaws of the Division of the Catalysis Science and Technology be adopted.

Dr. Pochan reported that DAC approved ten innovative project grant proposals totaling \$69,475. He said that the Multidisciplinary Program Planning Group, in concert with ACS divisions, has selected themes for 2012 national meetings as follows: Chemistry of Life (spring) and Materials for Health and Medicine (fall).

#### Economic and Professional Affairs (CEPA)

**Lisa Balbes**, committee chair, reported that CEPA is working with other governance and programming units within the Society to gather ideas and to implement programs aimed at accelerating the economic recovery of members. Dr. Balbes reported on the release of the Presidential Task Force on Innovation and Job Creation report, "Innovation, Chemistry & Jobs." She said that CEPA and Corporation Associates co-sponsored a new program funding request to establish an entrepreneurial initiative, which will implement two of the four recommendations.

Dr. Balbes also reported on CEPA's work with President Jackson's Paying it Forward Campaign – emphasizing the need for, and importance of, members helping members. She added that because networking is especially important in a down economy, CEPA and ACS Careers co-sponsored the largest networking event ever in ACS history. The ACS Global networking reception allowed Denver meeting attendees and others to attend a seminar entitled, "Networking 101 – Making Your Contacts Count," and then to practice networking with local sections, student chapters, international chapters, and individuals all over the world, who were networked electronically. Dr. Balbes informed Councilors that the revised version of the Chemical Professionals Code of Conduct is being considered by CEPA at this meeting and will be presented for Council approval at the 2012 spring meeting.

#### Local Section Activities (LSAC)

**Lee Latimer**, committee chair, reported that LSAC presented the 2010 ChemLuminary Awards for Outstanding Performance by Local Sections to six local sections represented by size category. The committee also presented awards for stimulating membership involvement, most innovative new activity or program, and local section partnership. As a final recognition, the committee recognized the following local sections celebrating milestone anniversaries: 50 years – Central Arizona and Portland; 75 years – Western Connecticut; and 100 years – Connecticut Valley, Nashville, and Southern California.

Dr. Latimer reported that the Form Online Management System (FORMS) has been upgraded and to date 180 sections have submitted their 2010 reports using FORMS. He added that in 2012, LSAC's focused efforts will include mini-grants to support local section member retention and professional development activities. Dr. Latimer stated that LSAC reviewed the June 30<sup>th</sup> Innovative Project Grant (IPG) proposals during this meeting and will award 21 grants totaling \$43,233. The next IPG deadline is January 31, 2012. Dr. Latimer reminded Councilors that the 2012 ACS Leadership Institute will take place January 20-22 in Fort Worth, Texas.

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

**Harmon B. Abrahamson**, committee chair, reported that since the spring meeting C&B has submitted detailed bylaw reviews to ten local sections and three divisions. Dr. Abrahamson reminded Councilors of

the two petitions up for consideration at this meeting: Petition on Market Data Collection and Petition to Amend Recorded Vote Request Procedure. He said that new petitions to amend the Constitution and Bylaws must be received by the Executive Director no later than December 7 to be up for consideration in the Spring 2012 Council agenda.

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

##### Chemists with Disabilities (CWD)

**Judith A. Summers-Gates**, committee chair, reported that CWD has updated its publication, "Teaching Chemistry to Students with Disabilities," which remains one of ACS's most frequently requested publications. She added that the committee has produced an orientation manual for new members and allies of CWD. Ms. Summers-Gates said that CWD provided speakers for the Northwest Regional Meeting and for the Committee on Minority Affairs luncheon in Denver.

Ms. Summers-Gates reported that CWD promoted participation and inclusion of persons with disabilities during the International Year of Chemistry by working with several internationally recognized schools and organizations, and that CWD also continues to sponsor students from the National Technical Institute for the Deaf by offering support for their first presentations at ACS National Meetings.

##### Younger Chemists (YCC)

**Michael Hurrey**, representing the committee chair, shared some results from a survey of younger ACS members that looked at the perceived benefits and opportunities within local sections and divisions. He said that a significant majority of respondents (72%) indicated they were members of an ACS division. However, nearly one-fifth (1/5) of early career chemists said they are not a member of a division. Dr. Hurrey said that when asked to identify the most valuable local section or division benefits, survey results showed having 'insider' information on job openings, receiving information on fellowships, and having the opportunity to network topped both local section and division lists.

Dr. Hurrey also reported that the survey asked early career chemists what was the most valuable thing ACS could do, or do better, at this point in their career. Of the 781 responses, the most common feedback related to career advice and guidance. He said that in line with these survey results, YCC continues to promote increased networking opportunities for younger chemists. Through a partnership with the European Younger Chemists Network, YCC and the Colorado Local Section are piloting a physical exchange program, with the goal of helping both US and international younger chemists make connections and build professional relationships.

##### Women Chemists (WCC)

**Judith H. Cohen**, committee chair, reported that the committee has continued celebrating the International Year of Chemistry with programing to highlight the contributions of women in science in honor of the 100<sup>th</sup> anniversary of Madame Marie Curie's Nobel Prize in Chemistry. She said that WCC's Women in Industry breakfast featured a talk on the legend of Marie Curie and her impact on women chemists in the 21<sup>st</sup> century, and a poster session held as part of Sci-Mix featuring local WCC sections sharing their own IYC 2011 activities.

Dr. Cohen reported that the committee recognized eight WCC/Eli Lilly Travel awardees, and the 2011 Overcoming Challenges Award winner. She said that WCC also presented a ChemLuminary Award for Outstanding Outreach to Girls in Elementary Education to the South Carolina Local Section. Dr. Cohen announced that in 2012, as part of WCC's 85<sup>th</sup> anniversary celebration, they are initiating the WCC Rising Star Award, to be given annually to ten outstanding women chemists approaching mid-level careers who have made significant contributions to their respective fields. In another exciting initiative

aimed at helping women scientists develop new professional skills, the WCC has collaborated with several partners to become the Chemical Entrepreneurship Council (CEC). This self-organized working group is concerned with providing the resources and skills necessary for chemists to translate research into innovations which can become commercial products. The outputs for the CEC decided at the Denver meeting include education and training, a roadmap to inventory resources, and outreach for member engagement.

#### Technician Affairs (CTA)

**Rabin Lai**, representing the committee chair, reported that CTA presented the 2011 National Chemical Technician Award in recognition of outstanding technical and communication skills, reliability, leadership, teamwork, publications and presentations. He said that CTA will serve as a co-sponsor of the I&EC Fellows Award, to be presented by the I&EC's Applied Chemical Technology Subdivision next spring. Dr. Lai stated that CTA plans to reach out to local sections to discuss opportunities for engaging technician affiliate groups and applied chemical technicians at the local level. He reported that the committee dedicated a portion of its agenda to the discussion of the Strategic Plan for 2012 and beyond, and identified potential goal areas for the Society to meet the needs of this large and often underserved population.

#### Project SEED

**Joshua J. Pak**, committee chair, reported that this summer Project SEED placed 416 students in more than 164 academic, government, and industrial laboratories, conducting research under the supervision of more than 300 volunteer mentors. He added that Project SEED awarded 29 college scholarships for the 2011-2012 academic year, and there are nine SEED alumni holding CIBA scholarships which will provide financial support for three additional years of their chemistry education. Dr. Pak reported that seven of this year's Project SEED students presented their research results at SciMix. He announced that the Pittsburgh Local Section was recognized as the 2010 ChemLuminary Award recipient for its outstanding Project SEED program.

#### Professional Training (CPT)

**Cynthia K. Larive**, committee chair, reported that at this meeting CPT evaluated 38 periodic reports from currently approved programs, five updates, and three site visit reports from schools applying for ACS approval. With the approval of three new schools, the total number of colleges and universities offering ACS-approved bachelor's degree programs in chemistry is now 667. Dr. Larive said that the committee approved a revised guidelines supplement on undergraduate research that will soon be posted on the CPT website. They also continued to work on revisions to the supplements, *Preparing a Research Report*, *Chemical Information Retrieval*, and *Safety Education*. Release of these supplements is planned over the next six months.

Dr. Larive announced that the 2011 edition of the *ACS Directory of Graduate Research* will be released this fall. She reported that plans are underway for a survey to examine the impacts of the 2008 ACS guidelines for approval of bachelor's degree programs. Dr. Larive added that CPT is discussing plans for a library survey that will focus on the use of chemical literature and article databases by undergraduate students, and on the challenges to chemistry programs in maintaining access to these resources.

#### Nomenclature, Terminology and Symbols

**Peter F. Rusch**, committee chair, reported that the committee has learned of the discovery of two new elements: numbers 114 and 116. Presently, neither names nor symbols have been proposed for either element by the discovery teams. Dr. Rusch said that regarding the redefinition of the kilogram and the mole, the committee began its work with two goals: 1) what is being done; and 2) what it means to the

practice of chemistry. He reported that these new definitions have generated a large number of comments, and that much of it outside of the metrology community has been unfavorable. Dr. Rusch said that even though the final numerical values of the Plank constant, used to define the kilogram, and the Avogadro constant, used to define the mole, have been fixed, it is anticipated that the new definitions will be presented to the General Conference on Weights and Measures in October 2011 for approval. Once the numerical values of these constants are fixed, these definitions will replace the current definitions.

#### Minority Affairs (CMA)

**Allison Aldridge**, committee chair, reported that CMA sponsored the request for reauthorization of the ACS Scholars Program and that the Board of Directors voted to approve continuation of the program. She said that to date 1,144 ACS Scholars have earned undergraduate degrees, 535 have entered graduate degree programs, and 207 are currently in PhD programs. Of those ACS Scholars who pursued graduate degrees, 92 were granted PhDs, and more than 170 US companies employ more than 400 alumni of the program.

Dr. Aldridge reported that CMA is starting an effort to recruit and retain Project SEED graduates for membership in the Society through the BE CHEMISTS campaign. She said that this campaign is to remind Project SEED graduates of the benefits of membership in ACS, and to let them know that the Society stands ready to welcome and support them as they become chemists. Dr. Aldridge also reported that CMA cosponsored a symposium with the Division of Professional Relations at the Denver meeting titled, "Empirical Studies on Women of Color in STEM." She added that CMA also presented a ChemLuminary Award for the best overall local section minority affairs committee to the Georgia Local Section.

#### International Activities (IAC)

**Judith L. Benham**, committee chair, reported that IAC was established in 1962 and works in furtherance of the ACS Constitution provision "that the SOCIETY shall cooperate with scientists internationally and shall be concerned with the worldwide application of chemistry to the needs of humanity." She said that at this meeting the committee welcomed a number of international societies, including the Canadian Society for Chemistry, IUPAC, the German Chemical Society, and the Royal Society of Chemistry. Dr. Benham said the committee also received video messages from the chapter leadership of the Hong Kong, Hungary, China, and Saudi Arabian International Chemical Sciences Chapters.

Dr. Benham reported that IAC reviewed the first draft of an IAC primer on science and human rights. She said that five teams were chosen for ACS Global Research Experiences, Exchange, and Training (GREET) awards. Dr. Benham reported that reauthorization of this program was approved by the Committee on Budget and Finance and the Board of Directors at this meeting.

#### Community Activities (CCA)

**Lynn Hogue**, committee chair, announced ChemLuminary Award-winning local sections that have demonstrated exemplary performance in the development and implementation of activities conducted safely in support of National Chemistry Week (NCW). She reported that more than 860 children participated in an outreach event at the Denver Museum of Nature and Science sponsored by President Jackson and the committee. Dr. Hogue said that National Chemistry Week will be celebrated October 16-22 with the theme, "Chemistry – Our Health, Our Future." She added that a National Chemistry Week webinar will be held on September 28, 3-4 p.m. (EDT) to assist those who are planning celebrations.

Dr. Hogue said that the 2012 theme for Chemists Celebrate Earth Day is recycling with a title of "Rethinking Recycling – It's Easy To Be Green!" In preparation for the 25<sup>th</sup> anniversary of National Chemistry Week, which will be held in 2012 with a theme of nanotechnology, the committee encourages



all local sections to plan an event that will recognize NCW coordinators for their dedication to NCW. Dr. Hogue closed her comments by reminding Councilors that it is still time to contribute to the PUR water initiative, which is raising money to provide safe drinking water for people all over the world.

### Chemical Safety

**Laurence J. Doemeny**, committee chair, outlined several committee accomplishments including contacts with the Environmental Protection Agency, publications produced, and collaboration with a Jordanian chemist to translate the publication *Safety in the Academic Chemistry Laboratories, Volume 2* into Arabic. Dr. Doemeny thanked President Jackson and the Council for dedicating the special discussion topic to chemical safety in US college and university labs. He said that in response to recent tragedies, the committee established a Safety Culture Task Force that includes members from other ACS committees that have similar interests. He added that the task force has produced a draft document with a working title, *Creating a Safety Culture in the Academic Institution*, that will be distributed later this year for review. Dr. Doemeny added that the discussion on academic safety will continue at a joint division and committee symposium planned for the ACS fall meeting in Philadelphia (2012).

### New Business

#### Resolutions

The Council adopted the following resolutions:

11. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the Colorado Local Section, host Section for the 242<sup>nd</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 convey special thanks to the divisional program chairs and symposium organizers responsible for the outstanding technical sessions, as well as headquarters staff, for the planning and execution that have assured the success of the 242<sup>nd</sup> National Meeting.

12. BE IT RESOLVED That the Council of the American Chemical Society expresses to Nancy B. Jackson, President of the Society in 2011, its sincere gratitude for her dedicated service as its presiding officer; her 32 years of membership in the Society; and her numerous efforts that have elevated the profile of our Society, our members, and our science around the world during the International Year of Chemistry. The Council appreciates her focus on encouraging interest in chemistry among young people, informing the public of the importance and wonder of chemistry, and on extending ACS's presence abroad and working collaboratively with leaders of sister scientific societies around the world in furtherance of our shared mission. The Council extends to President Jackson and her family, its best wishes for their future endeavors, and for her continuing professional and personal achievements.

There being no further business, the meeting adjourned at 11:56 a.m.

Flint H. Lewis  
Secretary

REPORT OF INTERIM ACTION, COUNCIL POLICY COMMITTEE

Since the meeting of the Council on August 31, 2011, the Council Policy Committee has taken the following action:

CPC 2-2011. VOTED to elect Dr. Carolyn Ribes as Vice-Chair of the Council Policy Committee for 2012.

## NOMINATIONS FOR PRESIDENT-ELECT

Action Requested: The Committee on Nominations and Elections has selected the following nominees for 2013 President-Elect:

Thomas J. Barton  
Luis A. Echegoyen  
William A. Lester, Jr.  
Barry M. Trost

All have indicated their willingness to serve if elected. From these nominees, the Council must choose two as candidates for President-Elect. The biographies and position statements of the nominees are provided below.

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**BARTON, THOMAS J. Ames Section.** Iowa State University, Ames, Iowa.

**Academic Record:** Lamar University, B.S., 1962; University of Florida, Ph.D., 1967, Ohio State University, NIH Postdoctoral Fellowship, 1967.

**Honors:** Visiting Professor in Global Chemistry Program of Chulalongkorn University (Bangkok), 2012; First recipient of ISU Award for Achievement in Economic Development in Iowa, 2010; Federal Laboratory Consortium Laboratory Director of the Year for Technology Transfer, 2003; ACS Midwest Award, 1995; Outstanding Scientific Accomplishment in Materials Chemistry (DOE Materials Sciences Division), 1989; Burlington Northern Foundation Faculty Achievement Award for Excellence in Teaching, 1988; MASUA Honor Lecturer, 1984; Royal Chemical Society (England) Research Fellow, 1983; Second Recipient of Iowa Governor's Science Teaching Medal, 1983; CNRS Professeur d'échange (Université de Montpellier), 1983; Outstanding Teacher Award (Iowa State University), 1982; Frederic Stanley Kipping Award in Organosilicon Chemistry, ACS, 1982; Japan Society for Promotion of Science Sponsored Lecture Tour of Japan, 1981; NATO Collaborative Scientist in France, 1976; National Academy of Sciences Exchange Scientist to Soviet Union, 1975; Wilkinson Departmental Teaching Award, 1975.

**Professional Positions** (for past ten years): Iowa State University, Distinguished Professor, 1984 to date; Director, Ames Laboratory (Department of Energy), 1988-2007; Director, Institute for Physical Research and Technology, 1998-2007.

**Service in ACS Offices:** Member ACS since 1963. *Ames Section:* Chair, 1972.

**Member:** *ACS Divisions:* Inorganic Chemistry and Organic Chemistry.

**Related Activities:** El Quinto Nivel de Espanol, Spanish Language Institute, Puebla, MX, 2007; Federal Laboratory Consortium (FLC) National Advisors Group, 1999-07; American Chemical Society Interactive Presidential Colloquium, 1994; Ames Daily Tribune *Unsung Hero* Award, 1994; Clark Atlanta University External Advisory Board for High Performance Polymers and Ceramics Center (HiPPAC), 1992-96; Member of DOE Council on Materials Sciences, 1992-96; Permanent Member Advisory Board for International Organosilicon Chemistry Symposia, 1990; Advancing Science Excellence in North Dakota Review Panel, 1990; National Academy of Sciences Review Panel for AFOSR Proposals, 1987-90; Program Director, Materials Chemistry, Ames Laboratory-DOE, 1986-88. Numerous presentations to civic organizations, economic development groups, various engineering societies and legislative committees; 180 publications, one textbook, 13 patents and 293 presented papers and seminars.

**STATEMENT**  
**Thomas J. Barton**

The presidency of ACS would indeed be a welcome honor, as it would provide an opportunity to give back something to the profession that has given me such an interesting and fulfilling life.

The ACS has spent considerable effort in identifying the goals of the Society, and in continually developing our strategies for addressing them. These are currently incorporated in the excellent "Strategic Directions for 2011 and Beyond." What is needed is a president who passionately believes in the vision, mission and strategies in that document (and its successor plans), and has the background, talents, capabilities and time available to lead the effort to carry out these strategies, to sell these strategies and to energize the membership of ACS to carry them out with zeal. Yes, creative ideas are needed for the actual implementation of the vision and mission that we members have been a part of defining.

As president one focus would be on **education**, where, despite decades of warnings and suggestions by various elite commissions, the quality of the product of America's K-12 science educational efforts continues to plummet. Our nation simply can't afford this performance and it is essential that ACS be a major partner in a committed effort to reverse this trend. My long history of developing such efforts as middle-school and high-school science bowls and grades 8-12 minority science education programs, and 45 years in chemistry education will serve me well in this arena.

Of course education in the broader sense includes the also vital activities of education of parents of today's pupils, school boards, the general populace and our elected representatives of the fundamental importance of chemistry in the solutions to a large number of today's and tomorrow's national and global problems. There won't be new, more powerful drugs for pancreatic cancer without chemical research, there won't be better catalysts for conversion of biomass to fuels without chemical research, plants won't become the chemical factories of the world without chemical research in metabolomics, "smart" materials won't be invented without chemical research and there won't be a solar-activated catalyst for the conversion of water to hydrogen and oxygen to solve this planet's energy crisis without chemical research. The ever increasingly complex problems which face our world are sometimes those in which we have had a part in the making, but far more often they are ones in which it is essential that we are a part of the solutions. Thus, for example, we need to continue our efforts in "green chemistry" and strengthen our efforts to educate the disbelievers in the reality of global warming. Ours is an enabling science and the world depends upon our success far more than is commonly recognized.

Another personal focus will be **globalization** where ACS absolutely must be a world leader in encouraging the advancement in research, education and collaborations in chemistry. I strongly believe that we would do well to direct a significant portion of that effort south of our own borders, which would couple well with our ongoing and future efforts in **diversity**, another area in which I have a long history of commitment. Also, in keeping with our efforts to be the indispensable global professional and information resource I would add a focus on enhancing our foreign membership.

I have considerable experience in assisting entrepreneurship in technological enterprises and would focus on this and innovation, as our best hope of reducing the continuing loss of chemist jobs to foreign lands. I strongly back the recent plan of the ACS blue-ribbon task force in this arena.

As ACS president I would pledge to listen to those from all corners of our profession. We have 160,000 bright, well-educated members and their collective wisdom is needed to take us wisely into the future. I would seek your ideas. I would relentlessly urge you to become a member of our Legislative Action Network and join the less than 10% of your fellow members who write letters to legislative members in support of vital ACS priority issues. The concerted voice of a truly engaged 160,000 scientists could pack a powerful wallop!

If I were to be chosen as the president elect of the ACS, I would commit to use all of the talents developed in 45 years as a research scientist and teacher of chemistry, 18 years as director of a national laboratory and 10 years as director of a large federation of campus-based research centers collaborating strongly with American industry, to continue and to improve this already superb organization that is our ACS.

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**ECHEGOYEN, LUIS A. Rio Grande Valley Section.** University of Texas at El Paso, El Paso, Texas.

**Academic Record:** University of Puerto Rico, B.S., 1971; Ph.D., 1974; Postdoctorate, University of Wisconsin-Madison, 1975.

**Honors:** ACS Fellow, 2011; Herty Medal, Georgia Section, ACS, 2007; Florida Section, ACS, Award, 1996; IUPAC Fellow, 2009-10; Alumni Research Award, Clemson University, 2007; Clemson University, College of Engineering and Science Award for Faculty Achievement in the Sciences, 2004; American Association for the Advancement of Science, Fellow, 2003; Fogarty Senior International Fellow, 1990 and 1997; University of Miami Provost's Scholarly Activity Award, 1997; Bausch & Lomb Honorary Science Award, 1968.

**Professional Positions** (for past ten years): University of Texas at El Paso, Robert A. Welch Professor of Chemistry 2010 to date; Clemson University, Professor 2002-10, Professor and Chair, 2002-06; National Science Foundation, Director, Chemistry Division, 2006-10; University of Miami, Professor, 1983-02.

**Service in ACS National Offices:** ComSci, 2005-08, Committee Associate, 2003-05.

**Service in ACS Offices:** *Chicago Section:* Gibbs Medal Jury, 2008-12.

**Member:** Member ACS since 1973. American Association for the Advancement of Science; Electrochemical Society.

**Related Activities:** Editor in Chief, *Journal of Physical Organic Chemistry*, 2011 to date; Union Carbide Corporation, Chemist I, 1975-77; University of Puerto Rico, Río Piedras, Associate Professor, 1980-83; Assistant Professor, 1977-80; Program Officer in Chemistry Division-NSF, 1982-83; Member of Advisory Committee for Chemistry Division-NSF, 1986-89; Sabbatical at University Louis Pasteur with Professor Jean-Marie Lehn (as Fogarty Senior International Fellow), 1990; Sabbatical at Swiss Federal Institute of Technology Zurich in Switzerland with Professor Francois Diederich (as Fogarty Senior International Fellow), 1997-98; Member of Mathematical and Physical Sciences (MPS), Advisory Committee of the NSF, 2003-06; Member, Committee on Equal Opportunity in Science and Engineering (CEOSE), NSF, 2003-06; Editorial Board, *Journal of the Mexican Chemical Society* (JMCS), 2005 to date; Editorial Board, *Fullerenes, Nanotubes and Carbon Nanostructures*, 2006 to date; Vice-Chair, Gordon Research Conference on "Physical Organic Chemistry", 2009; Chair, Gordon Research Conference on "Physical Organic Chemistry", 2011; Member of the Board of Trustees, Instituto Madrileño de Educación Avanzada (IMDEA) Nanociencias (Spain), 2008 to date; Member of the Governing Board of the Council for Chemical Research, 2008 to date; Member of the International Advisory Board, Physical Chemistry of Solid Surfaces (PCOSS) Institute, Xiamen, China, 2009 to date; Distinguished Guest Professor, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, 2009 to date; published 282 journal articles, 39 book chapters; 293 invited lectures.

### **STATEMENT** **Luis A. Echegoyen**

Chemists almost unanimously agree about the centrality of their discipline among the sciences and its crucial role in providing the solutions to the grand challenge problems, which include sustainability, health and security. However, the biggest challenge that we face is to convince other scientists, government, and the public of this centrality and importance. If we want to be effective in convincing others about the importance of chemistry we need specific and realistic plans to effect change. Although change is the only element of life which is constant, effecting change is difficult and requires strong leadership based on conviction and experience. Eric Hoffer, author of *The Ordeal of Change*, wrote "In times of change, learners inherit the Earth, while the learned find themselves beautifully equipped to deal with a world that no longer exists." I strongly believe that change is essential for advancement. As president of ACS, I would

**Promote Inter- and Multidisciplinary Education and Research.** Educating the future generations to succeed in an increasingly diverse, complex and multidisciplinary world necessitates creative approaches in the classroom and

in the laboratories. Although we promote inter- and multidisciplinary education, curricular changes have been incremental at best, partly due to structural constraints and inertia. Through the Committee on Professional Training I would evaluate curricular alternatives that best exploit our rich diversity and reflect the ways in which chemical research is conducted in industrial and academic institutions. Real changes are needed to continue to thrive intellectually if our discipline is to remain vibrant.

**Advocate Strongly for Increases in Research Funding.** Using my academic and industrial experience, scientific expertise, and the knowledge acquired during my years at the NSF, my top priority would be to work closely with the ACS Office of Public Affairs (OPA), to educate and convince Congress that investing in basic chemical research is essential for the health of the U.S. innovation engine and the long range competitiveness and prosperity of the country. **Funding chemical research is not an expense for the country, it is an investment.** Investments in our field have been shown to yield substantial returns, both intellectual as well as economic. My years in Washington D.C. gave me a very broad and somewhat unique perspective that will be crucial to articulate a powerful and convincing case on behalf of our community.

**Promote Closer Ties Between Industry and Academic Institutions.** Our discipline is the only science with an associated industry that bears the same name. In order for the U.S. to retain a privileged position in worldwide science and innovation, the research and development enterprise in chemistry demands closer ties between industrial and academic sectors and requires a delicate balance between public and private funds. Industry can no longer expect that all of the basic research and education of future generations be exclusively supported with public funds nor can academic institutions plan to function as industrial centers. The ACS has a key role to play in bringing these sectors closer together and to help catalyze a positive and synergistic interaction for the collective good. Intellectual property issues have to be addressed and resolved, and as president, I would make this one of my top priorities.

**Increase International Partnerships.** Defining the fine dynamic balance between collaboration and competition at the international level is crucial to set the right path for the success of the U.S. International partnerships need to start at the very early educational stages *via* student exchanges at all levels and extend into cooperation in fundamental and applied research addressing grand challenge issues. ACS should encourage these interactions through the expansion of some of its existing programs in the Education Division, the Office of International Activities, and the Green Chemistry Institute and create new programs and cooperative funding mechanisms. To this end, I would strengthen and establish new partnerships with other professional societies in the U.S. and around the world.

**Optimize efficiency at national meetings.** I plan to work closely with ACS divisions, local sections and committees to find ways to maximize efficiency, minimize duplication, and achieve increased attendance at presentations and symposia.

In summary, if elected president of ACS, I would concentrate my efforts in catalyzing change at many levels, in multidisciplinary education, advocating on behalf of the profession, promoting closer university-industry ties, enhancing international partnerships, and optimizing efficiency at national meetings. I look forward to taking these challenges for the benefit of our community and to convince others of the centrality and importance of our discipline.

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**LESTER, JR., WILLIAM A. California Section.** University of California, Berkeley, California.

**Academic Record:** University of Chicago, B.S., 1958; M.S., 1959; The Catholic University of America, Ph.D., 1964. All degrees in chemistry.

**Honors:** ACS Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences, 2008; Berkeley Chancellor's Award for Advancing Institutional Excellence, 2006; International Academy of Quantum Molecular Science, 2006; Outstanding Service Award, National Science Foundation, 1996; California Academy of Sciences, Fellow, 1994; American Association for the Advancement of Science, Fellow, 1991; NOBCCHE, Outstanding Teacher Award, 1986; American Physical Society, Fellow, 1984. Alumni Achievement Award in Science, The Catholic University of America, 1983; NOBCCHE, Percy Julian Award, 1979; IBM Corporation Outstanding Contribution Award, 1974; William A. Lester, Jr., Festschrift, *The Journal of Physical Chemistry*, Vol. 112, No. 10, 2008; Symposium in Honor of William A. Lester, Jr., University of California, Berkeley, March, 2007.

**Professional Positions** (for past ten years): University of California, Berkeley, Professor, 1981-2010; Professor of the Graduate School, 2010 to date; Lawrence Berkeley National Laboratory, Faculty Senior Scientist, 1981 to date.

**Service in ACS National Offices:** Editorial Board, *The Journal of Physical Chemistry*, 1979-81; Task Force on Large Scale Computing, Joint Board-Council Committee on Science, 1983-84.

**Service in ACS Offices:** Member ACS since 1965. *Division of Computers in Chemistry:* Treasurer (founding), 1974-77. *Division of Physical Chemistry:* Chair, 1979. *Wisconsin Section:* Secretary-Treasurer, 1967-68.

**Member:** American Physical Society, Chair, Division of Chemical Physics, 1986-87; American Association for the Advancement of Science, Board of Directors, 1993-97; California Academy of Sciences; NOBCCChE, Board of Directors, 1984-87; Sigma Xi, Board of Directors, 1998-99; Chair, Committee of Lectureships, 1998-2002. *ACS Divisions:* Computers in Chemistry and Physical Chemistry.

**Related Activities:** Chemistry Research Evaluation Panel, Directorate of Chemical Sciences, Air Force Office of Scientific Research, 1974-78; United States National Committee, International Union of Pure and Applied Chemistry, 1976-79; Director, National Resource for Computation in Chemistry, 1978-81; Panel for Chemical Physics, National Bureau of Standards, 1980-83; National Science Foundation, Chemistry Division Advisory Panel, 1980-83; Committee to Survey Opportunities in the Chemical Sciences, National Research Council, 1982-84; Head, US Delegation, US-Sweden Workshop on the Future of Chemistry, Saltjöbaden, Sweden, October 6-7, 1984; Chair, Joint Advisory Committees for Advanced Scientific Computing and Networking and Communications Research and Infrastructure, National Science Foundation, 1987; National Research Council Army Research Laboratory Technical Assessment Board, 1996-99; Senior Fellow for Science and Engineering and Assistant to the Director for Human Resource Development, National Science Foundation, 1995-96; President's Committee on the National Medal of Science, 2000-02; National Research Council Board on Chemical Sciences and Technology, 2003-06; Gordon Research Conferences, (GRC), Chair, Atomic and Molecular Interactions, 1978; GRC Board of Trustees, 2006-11. Published 230 journal articles and book chapters; edited or co-edited five books; co-authored one treatise.

### STATEMENT

**William A. Lester, Jr.**

The American Chemical Society is the premier scientific organization in the world. Its programs encompass all the areas of interest to society members. To some extent, one might ask what is there left for the Society to address. As we look around our country, we see much that needs attention: the economy, employment, science education, to name a few areas. For the ACS to remain viable and continue to grow, we must retain focus on those aspects of our programs and initiatives that have risen to the fore at this time. I shall not attempt to enumerate these areas much less to attempt to put forth solutions. No one person can do so which calls for the wisdom and energy of the Society as embodied in the Council, its many committees, and the membership at large. During these changing times, it is critical that we focus our energy and resources on directions that hold the greatest promise to address current issues coupled with the long-term view of how we shall position ourselves for the future.

The ACS has an organizational fabric encompassing national meetings, divisions, local sections, and numerous other activities. These and other resources of the Society need to continue to be called upon to provide the data and insight needed for solid decision-making. The Strategic Plan provides an excellent thrust in this direction.

As we proceed, however, it is important to note the changing demographics of our country while at the same time to recognize that many of our youth are turning a deaf ear to science knowledge. We know that a critical component in this regard is the capability of those who teach science. We should build on the recent national emphasis on STEM education by connecting with the Department of Education and other entities that have the potential of strongly influencing K-12 science and math education. This effort is, of course, consonant with developments already underway by the Society.

There is also the significant problem at the college level arising out of limited funding that has diminished classroom access by many. We must work locally as well as nationally to foster efforts to address this issue if our country is to continue to build the base of expertise needed to address societal needs in technical areas.

At the post-graduate level, we confront the issues connected with continuing education for those with inclination and capability to do so as well as mechanisms to support this further development. The ACS has played an important role in this regard, but the demand remains and is being impacted by the current economy.

This quickly gets us to the employment sector and current realities. That times are difficult is a statement of the obvious as young people strive for employment in sectors that they have studied to work in. At the same time, we recognize that some people who work in these sectors are confronting issues of continued employment. We must work hard to assist in identifying optimum ways to assisting these important problem areas that impact our membership and society more broadly.

I have touched on problem areas that I believe we can agree on as being of particular importance at this time. I look forward to working with you on remedies to these challenges as ACS President-Elect.

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**TROST, BARRY M. Santa Clara Valley Section.** Stanford University, Stanford, California.

**Academic Record:** Philadelphia Board of Education Scholarship 1959-62; University of Pennsylvania, Undergraduate, B.A., 1962; Massachusetts Institute of Technology, Ph.D., 1965; *Thesis Advisor:* H. O. House.

**Honors:** Kosolapoff Award, Auburn Section, ACS, 2008; Arthur C. Cope Award, ACS, 2004; Nobel Laureate Signature Award for Graduate Education, ACS, 2002; Nichols Medal, New York Section, ACS, 2000; Herbert C. Brown Award for Creative Research in Synthetic Methods, ACS, 1999; Roger Adams Award in Organic Chemistry, ACS, 1995; Ernest Guenther Award in the Chemistry of Essential Oils and Related Products, ACS, 1990; Arthur C. Cope Scholar Award, ACS, 1989; ACS Award for Creative Work in Synthetic Organic Chemistry, 1981; ACS-Chicago Section, Julius Stieglitz Memorial Lecturer, 1980-81; ACS Award in Pure Chemistry, 1977; Penn Chemistry Distinguished Alumni Award 2013; Nagoya Medal, 2008; Kitasato Microbial Chemistry Medal, 2007; 2007 Thomson Scientific Laureate; John Scott Award, City of Philadelphia, 2004; Yamada Prize, Japan, 2001; Elsevier Award, Belgium Organic Synthesis Symposium, 2000; Presidential Green Chemistry Challenge Award, 1998; SCI-ACS (Joint Italian-American Chemical Societies) Lecturer, 1998; Merck-Schuchardt Lecturer of the French Chemical Society, 1998; Doctor Scientiarum Honoris Causa, Technion, Haifa, Israel, 1997; Docteur honoris causa of the Université Claude Bernard (Lyon-I), France, 1994; Bing Teaching Award, Stanford University, 1993; Pfizer Senior Faculty Award, 1992; ASSU Graduate Teaching Award, Stanford University, 1991; Paul Janssen Prize for Creativity in Organic Synthesis, 1990; MERIT Award of the National Institutes of General Medical Sciences, NIH, 1988; Hamilton Award, University of Nebraska, 1988; Alexander von Humboldt Stiftung Award, 1984; Chemical Pioneer of the American Institute of Chemists, 1983; Medal of the University of Helsinki, 1983; Centenary Lecturer, Royal Society of Chemistry (UK), 1981-82; American Academy of Arts and Sciences Fellow, 1982; Baekeland Award, 1981; National Academy of Sciences Fellow, 1980; American Association for the Advancement of Science Fellow, 1977; H.I. Romnes Faculty Fellowship, 1975; American-Swiss Foundation Fellow, 1975; Camille and Henry Dreyfus Teacher-Scholar 1970-75; Alfred P. Sloan Foundation Fellow 1967-69; National Science Foundation Predoctoral Fellow 1963-65.

**Professional Positions** (for past ten years): Stanford University, Tamaki Professor, School of Humanities and Sciences, 1990 to date; Chair, 1996-02; Professor, 1987-89; Nanyang Technological University, Singapore, Visiting Professor of Chemistry, 2010; Shanghai Institute of Organic Chemistry, Honorary Professor, 2006; University of Chicago, Visiting Professor of Chemistry, 2003; Universidade De Santiago De Compostela, Spain, Visiting Professor of Chemistry, 2002; University of Cambridge, UK, Visiting Professor of Chemistry, 2002; Catalysis Research Laboratory Fellow, Heidelberg, Germany, 2012.

**Service in ACS National Offices:** Associate Editor, *Journal of the American Chemical Society*, 1974-80; Advisory Board of Editors, *Journal of Organic Chemistry*, 2002-06, 1973-77; Editorial Advisory Board, *Organometallics*, 1981-85; Editorial Advisory Board, *Chemical & Engineering News*, 1989-92; Editorial Advisory Board, *Organic Letters*, 1999-; Editorial Advisory Board, *Accounts of Chemical Research*, 2001-2003; Editorial Advisory Board, *Journal of Organic Chemistry*, 2002-06; Canvassing Committee, ACS Roger Adams Award in Organic Chemistry, 1983-89.

**Services in ACS Offices:** *Division of Organic Chemistry:* Executive Committee, 1977-79; *Chicago Section:* Awards Committee, Willard Gibbs Medal Jury, 1979-85; Award Committee, 1980-82 and Canvassing Committee, 1972-74, ACS Award for Creative Work in Synthetic Organic Chemistry.



**Member:** Member ACS since 1963. Phi Beta Kappa; Phi Lambda Upsilon; Sigma Chi; Pi Mu Epsilon; Royal Society of Chemistry, London; National Academy of Sciences; American Association for the Advancement of Science; American Academy of Arts and Sciences; American Institute of Chemists; World Innovation Foundation; National Academy of Sciences. *ACS Divisions:* Medicinal Chemistry and Organic Chemistry.

**Related Activities:** Editorial Advisory Board, Reaxys (CrossFire Beilstein) Database, 2007 to date; Editorial Board, Chemistry-An Asian Journal, 2006 to date; Editorial Advisory Board, Beilstein Journal of Organic Chemistry, 2005 to date; Editorial Board, Proceedings of the National Academy of Sciences, 2003-06; National Research Council Advisory Board for the Division on Engineering and Physical Sciences, 2000-02; Committee of Visitors, Division of Chemistry, NSF, 1998; ACS Satellite TV Seminar on "Essentials of Organic Chemistry: An Update" Organizer and Lecturer 1997; Editorial Board, Chemistry - A European Journal, 1995 to date; ACS Satellite Television Seminar on "Biological and Abiological Catalysis" 1992; International Editorial Board, Journal of the Chemical Society-Perkin I, 1992-97; Tetrahedron Board of Consulting Editors, 1992-02; NIH Institute of General Medical Sciences Council Ad-Hoc Member, 1988; Editorial Advisory Board, Synthesis, 1985-08; Swedish Natural Science Research Council Review Panel on Organic and Bioorganic Chemistry, 1982; NIH Medicinal Chemistry A Study Section and Chair, 1982-86; Science Advisory Council, ARCO Corp., 1981-87; Committee on Chemical Sciences, National Academy of Sciences, 1980-83; Advisory Panel, NSF Chemistry Section, 1973-77; "Modern Synthetic Methods" 1968-76; University of Wisconsin, Assistant Professor to Vilas Research Professor, 1965-87; "Frontiers in Organic Chemistry", Course Director, Organizer and Lecturer, 1984-07; Over 890 scientific publications, served as editor or on editorial board of 11 books, holds 15 patents in synthesis and catalysis.

## **STATEMENT** **Barry M. Trost**

### Chemistry as an Opportunity in Troubling Times

Growing up in the aftermath of the World War II and seeing the emergence of science as an important frontier to address national goals attracted me to a seemingly endless opportunity to make a difference. Among the sciences, chemistry stood out as being central. The slogan "what in the world isn't chemistry" emphasizes the reality of the ability to design molecular structures for function as the key to solving problems from the inanimate world of electronics to the living world of human health. While we can proudly point to the remarkable progress that occurred in the last fifty years, we should not understate how much remains unknown. It is a truism to say "we simply do not know what we don't know." While we think we know a lot, the reality is that the extent of our knowledge today is only a tiny fraction of the totality of knowledge. As one tries to peer into the totality of the knowledge of chemical space it begins looking like outer space – i.e. limitless.

The American Chemical Society has a particularly pivotal role in helping the science improve the general well-being of society by better providing for the needs of food, clothing, shelter, health, transportation, communication, and energy, as well as to meet the needs of its members. Here are my key points.

- **Public understanding** First and foremost is the human element: we need to start by getting people to appreciate chemistry and its accomplishments, not fear it. I want to help the ACS foster better public awareness through better dialog using the major mechanisms of information distribution in this electronic age. We will help create a better informed general public and help them make better decisions about any controversial scientific issues related to chemistry and chemical engineering.
- **Early education** Another challenge is to serve as a magnet to attract future generations of chemists starting at the K-12 stage of education. Drawing on my experience as an educator, I can help the ACS examine more critically the most effective roles it can play in enriching the teaching at the middle and high school levels by including hands-on experience of chemistry.
- **Higher education** I will work hard to deepen the involvement of the ACS in the undergraduate level programs by linking industrial and academic chemists to make these programs more exciting and relevant in attracting the best and brightest to the science. As a result of my mentoring of over 500 graduate and postdoctoral students, I can help to go beyond what is currently done to enhance mechanisms for professional interactions for graduate and postdoctoral students.

- **Continuing education** ACS has a special responsibility because education does not end when one leaves the university. Self-education is a critical skill that all must acquire and use throughout life. Having been extensively involved with teaching ACS short courses for over 40 years gave me a deep appreciation of their impact and value. How can the technological developments of the last decade make these programs more effective and successful?
- **Facilitating interchange** ACS plays a crucial role by providing the mechanisms for scientific interchange-through its meetings, workshops, etc. on the personal level, and perhaps more significantly through its numerous publications. My extensive experiences as both author and editor, including serving as an associate editor of JACS, will help me work with ACS publications in order to maintain, and indeed, enhance the high level of excellence they have achieved.
- **ACS's national role** Because of my extensive experience in both industry (where I have consulted extensively) and academia, I can help shape chemistry's role in the big issues on the national agenda. This could bring resources needed for chemistry to assume its role as the "central science".
- **Green chemistry** While solving the critical problems of society is the prime function of science, how the science is practiced is also a prime responsibility of the profession. I hope to build upon my early involvement with "green chemistry" to help the ACS to increase its role in such endeavors. The ACS Green Chemistry Institute is an excellent beginning but there is a much more extensive role that ACS can build.
- **Jobs** Considering how we can increase the number of jobs for chemists is crucial. We cannot continue to see the unemployment rates for recent graduates increase as they have done recently. I will support ACS's existing programs and seek to increase efforts in this area.

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ANNOUNCEMENT OF NOMINEES, DISTRICT DIRECTORS

In accordance with the provisions of Bylaw V, Sec. 4, candidates for District Director are selected by the voting Councilors of the District to be served. The Committee on Nominations and Elections selected the following as nominees for a 2013-2015 term:

DISTRICT I

Barbara J. Garrison  
Thomas R. Gilbert  
Neil D. Jespersen  
Julianne M. D. Smist

DISTRICT V

John E. Adams  
Frank D. Blum  
Peter K. Dorhout  
Frankie K. Wood-Black

Ballots as appropriate have been mailed to voting Councilors residing in Districts I and V with the results of the balloting to be announced in *Chemical & Engineering News*, and at the Council meeting in San Diego.

On or before October 10, ballots will be mailed to all members of District I and District V for election of a Director from each District.

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PERTINENT BYLAW PROVISIONS GOVERNING ELECTION  
OF DISTRICT DIRECTORS

Bylaw V, Sec. 4.

(c) On or before January 15, the Committee on Nominations and Elections shall transmit to the Executive Director of the SOCIETY the names of not fewer than four MEMBERS of the SOCIETY as nominees for each position of District Director to be filled. Each nominee must be entitled to vote in the District electing the District Director for which the nominee would be a candidate. When elected, each District Director may serve a complete term despite changes in Local Section or address or in any District boundary. (1/1/01)

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

(e) One percent of the members of the SOCIETY entitled to vote in the District electing a District Director, not more than one-third (1/3) of whom are assigned to any one Local Section, may nominate a candidate for District Director by filing a petition with the Executive Director by July 15. Each member may nominate no more than one candidate for District Director in a given election. A petition candidate must be entitled to vote in the District electing the District Director for which the MEMBER is a candidate. The names of any petition candidates shall be included on the ballot along with the names of those selected by the District's Councilors. (10/19/04)

## ANNOUNCEMENT OF CANDIDATES, DIRECTORS-AT-LARGE

Bylaw V, Sec. 3, a, provides that "On or before January 15, the Committee on Nominations and Elections shall transmit to the Executive Director of the SOCIETY the names of the MEMBERS of the SOCIETY selected as candidates for the positions of Director-at-Large to be filled. The number of such candidates shall be at least twice the number of such positions to be filled. These names shall be announced to the Council at a meeting to be held no later than May 1."

The election of Directors-at-Large will be conducted in the fall, with ballots mailed to the Council on or before October 10. The incumbent Dennis Chamot is ineligible for reelection, and incumbent Valerie J. Kuck is eligible for reelection.

Other Directors-at-Large, whose terms continue, are as follows:

Kathleen M. Schulz .....2011-2013  
Kent J. Voorhees.....2011-2013  
William F. Carroll, Jr.....2012-2014  
Barbara A. Sawrey .....2012-2014

The Committee on Nominations and Elections announces selection of the following candidates for Directors-at-Large for a 2013-2015 term:

Carol A. Duane  
Valerie J. Kuck  
Helen (Bonnie) A. Lawlor  
Ingrid Montes

Biographies of the candidates follow.

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**DUANE, CAROL A. Northeastern Ohio Section.** D&D Consultants of Mentor, Mentor, Ohio.

**Academic Record:** University of Washington, B.A., 1962; Ohio State University, M.S., 1964; University of Illinois, Ph.D. coursework, 1967.

**Honors:** Shirley B. Radding Award, Santa Clara Valley Section, ACS, 2011; ACS Fellow, 2010; Phi Beta Kappa; Iota Sigma Pi.

**Professional Positions** (for past 10 years): D&D Consultants of Mentor, President, 2002 to date; Cleveland Engineering Society, Executive Director, 2005-2007; NeoBio Corp., Executive Director, 2004-2005; Ricerca, LLC (formerly Ricerca, Inc.), Director, Marketing and Business Alliances, 1998-02.

**Service in ACS National Offices:** Committee on Public Relations & Communications, Committee Associate, 2012-14; Committee on Nominations and Elections, 2005-10, Vice-Chair, 2009-10; Board Oversight Group, 2005-09, Co-chair, 2006-09; Board Task Force on Program Review, 2005; Committee on Committees, 1999-04, Chair, 2004; Council Policy Committee, (Nonvoting), 2004; Committee on Membership Affairs, 1993-98; Committee on Publications, Committee Associate, 1997; Committee on Divisional Activities, 1986-92; Committee Associate, 1985; Women Chemists Committee, 1990-92; Committee Associate, 1989; Leadership Advisory Board, 2011-13; Task Force on Committee Enhancement, 2002-04; Task Force on Chair/Staff Liaison Interactions, 2004, Chair, 2004; Task Force on Committee Financial Issues, 2004; Task Force on Industrial Chemists Pipeline, 1999-03, Chair, 99-02; Task Force on Participation in ACS Governance by Minorities, 1999-01; Task Force on Member Retention, 1994-98.

**Service in ACS Offices:** Member ACS since 1981. *Northeastern Ohio Section:* Councilor, 1982-2014; Alternate Councilor, 1981-82. *Division of Business Development & Management:* Past Chair, 2012, Chair, 2011, Chair-Elect, 2010, Webmaster, 2011. *Division of Chemical Information:* Chair, 1997, Nominating Committee Chair, 1998, Program Committee Chair, 1985-88.

**Member:** Mentor Public Library, Long Range Planning Committee, 1998-99; Industrial Technical Information Managers Group, 1984-91; Association of Independent Information Professionals, 1988-90; Chemical Structure Association, 1986-92; ASTM Committee E-49; Chemical Notation Association, Publicity Chair, Newsletter Editor, Chair-Elect, Chair, Past-Chair, 1981-86. *ACS Divisions:* Chemical Information, Business Development & Management, Professional Relations, and Small Chemical Business.

**Related Activities:** Certified Facilitator, ACS Leadership Courses (4); National Meeting Symposium Organizer, *Chemistry Plus [Business] = Opportunity, 2011*; *Chemistry: The Future-Proof Profession, 2010*; Cleveland State University, College of Engineering Visiting Committee, 2006-11; Executive Board, Partners in Science Excellence, 1989-99; Chair, ISK Americas TechExchange, 1995-96; National Meeting Symposium Chair, *Biotechnology Information, 1989*; Central Regional Meeting Symposium, Chair; *Chemical Online Searching: Maximizing the Effectiveness, 1989*; *Internet Sources and Tools, 1998*.

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**KUCK, VALERIE J. North Jersey Section.** (Retired) Bell Laboratories, Lucent Technologies, Murray Hill, New Jersey.

**Academic Record:** St. Mary of the Woods College, B.S., 1961; Purdue University, M.S., 1965.

**Honors:** Bert Belden Award for Distinguished Service to the North Jersey Section, ACS, 2008; ACS Award for Volunteer Service to the American Chemical Society, 2004; Harvey Russell Award for Supporting High School Chemistry Teachers, North Jersey Section, ACS, 2001; ACS Award for Encouraging Women into Careers in the Chemical Sciences sponsored by The Camille and Henry Dreyfus Foundation, Incorporated, 2000; Shirley B. Radding Award, Santa Clara Valley Section, ACS, 1999; Purdue University, Department of Chemistry, Distinguished Alumnus Award, 2005; Sylvia Stoesser Lecturer at the University of Illinois, 2001; W. Lincoln Hawkins Award for Mentoring Excellence, Bell Labs, 2000; Lucent Technologies Gold Medal Team Award, 2000; Lucent Technologies Affirmative Action Award, 1999; Sigma Delta Epsilon, 1962.

**Professional Positions** (for past ten years): Adjunct Professor, College of St. Elizabeth, Chemistry Department, 2008-09; Visiting Professor, Seton Hall University, Chemistry and Biochemistry Department, 2001-06, Women's Study Program, 2001-06; Lucent Technologies (AT&T Bell Labs), Staff Member, 1967-01.

**Service in ACS National Offices:** Board of Directors, Director-at-Large, 2007-12; Councilor, ex officio, 2007-12; Committee on Professional and Member Relations, 2012; Committee on Grants and Awards, Member, 2007-12, Committee on Public Affairs and Public Relations, Member, 2007-10; Petroleum Research Foundation Steering Committee, Member 2007-08; Graduate Education Advisory Committee, Member, 2007-11; Program Review Advisory Group, Member, 2007-11; Council Policy Committee, (Voting) 2006-08, (Nonvoting), 2004-05, 1996-2000, 1988-93; Committee on Nominations and Elections, 2000-05, Chair, 2004-05; Committee on Public Affairs and Public Relations, 2008; Committee on Grants and Awards, 2008; Committee on Economic and Professional Affairs, 1999-2000, Chair, 1999; Committee on Committees, 1994-98, Chair, 1996-98, Career Consultant, 1998-2012; Committee on Local Section Activities, 1991-93, Chair, 1991-93; Committee on Meetings and Expositions, 1985-90, Chair, 1988-90, Committee Associate, 1984, Program Coordination Advisor, 1993-99, 1988-90; Committee on Economic Status, 1980-87, Chair, 1987; Professional Programs Planning and Coordinating Committee (PROPPACC), 1987; Committee on Professional Relations, Committee Associate, 1977-79; Women Chemists Committee, 1973-78, Secretary, 1974-77; Canvassing Committee, ACS Award for Team Innovation, 1994-95, Chair, 1994-95; Canvassing Committee, Garvan Medal, 1973-78; Task Force on Implementation of Electronic Balloting, co-chair, 2005; Task Force on Technical Programming, 1998; Task Force on Industry Relations, 1995; Task Force on Continuing Education, 1992-93; Industrial-Academic Sabbatical Task Force, 1987.

**Service in ACS Offices:** Member ACS since 1965. *North Jersey Section:* Councilor, 1975-08; Chair, 1992; Chair-Elect, 1991; National Chemistry Week Chair, 1994-12; Project SEED. 2011-2; Project Wonder Science Task Force, 1998; Professional Relations Committee, Chair, 1998-08, Member, 1975-83; General Interest Program Chair, 1993, 1986-89; Nominating Committee, 1997-11, 1994, 1989-92, 1985, 1983, 1980; Backland Award Committee, 1991; Career Coordinator, 1998-12; Education Committee, 1993-2010; *Indicator* Advisory Committee, 2009, 1982-86; Long Range Planning Committee Member, 1987-2011, Chair, 1987-88; Women Chemists Committee Co-Chair, 1977; Metrochem Steering Committee, 1982, Treasurer, 1982. *Middle Atlantic Regional Meeting:* Steering Committee, 2004-05, 1998-99. *Division of Professional Relations:* Treasurer, 1982-88.

**Member:** *ACS Division:* Chemical Health and Safety.

**Related Activities:** Co-Originator of SciMix and the Town Hall Meetings; Organized and Chaired Special ACS Symposia on High Temperature Superconductors and Cold Fusion; published 44 Papers; co-editor of two books and a textbook chapter; granted 21 U.S. patents.

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**LAWLOR, HELEN (Bonnie) A. Division of Chemical Information (Philadelphia Section).** National Federation of Advanced Information Services (NFAIS), Philadelphia, Pennsylvania.

**Academic Record:** Chestnut Hill College, B.S., 1966; St. Joseph's University, M.S., 1976; University of Pennsylvania, Wharton School, M.B.A., 1989.

**Honors:** Meritorius Service Award, Division of Chemical Information, ACS, 2006; Alpha Epsilon Sigma; National Federation of Abstracting and Information Services Memorial Award, 1998; American Society for Information Science Achievement Award, 1996.

**Professional Positions** (for past ten years): National Federation of Advanced Information Services (NFAIS), Executive Director, 2002 to date; Chescot Publishing Incorporated, President/CEO 1998-02; UMI Incorporated, General Manager, Academic and Public Library Division, 1996-98.

**Service in ACS National Offices:** Committee on Committees, 2012; Council Policy Committee (Voting), 2006-11; (Nonvoting), 1997-99; Committee on Nominations and Elections, 2000-05, Vice-Chair, 2003, Secretary, 2001; Committee on Divisional Activities, 1994-99, Chair, 1997-99; Committee on Copyrights, 1990-98, Chair, 1993-95, Committee Associate, 1989; Committee on Committees, Task Force on Publications/Copyrights Inter-Committee Relationship, 1999; Advisory Board for Industry Relations, 1997-99; Board Task Force on Technical Programming, 1998; Program Coordination Conference Committee, 1997-98; ACS Books Advisory Board, 1991-94; Representative, American Association for the Advancement of Science, Section T, 1985-86.

**Service in ACS Offices:** Member ACS since 1972. *Division of Chemical Information:* Councilor, 1992-12; Chair, 1989; Chair-Elect, 1988; Secretary-Treasurer, 1984-87; Corresponding Secretary, 1982; Archivist 2006 to date; Publications Committee Chair, 1990-95; Editor, *Chemical Bulletin*, 1977-83.

**Member:** IUPAC Committee on Print and Electronic Publishing; American Association for the Advancement of Science; Chemical Structure Association Trust, Board of Trustees; LYRASIS, Board of Trustees; Philosopher's Information Center, Board of Trustees; *ACS Division:* Chemical Information.

**Related Activities:** Chemical Structure Association Trust, Board Member, 1990 to date; Philadelphia Free Library Technology Committee, 2011 to date; Information Industry Association, Board Member, 1997-98; American Society for Information Science, Board Member, 1996-98, Chair, Program Advisory Board, 1998 to date; Chair, Delaware Valley Chapter, 1994; Secretary 1992-94; Chair of Technical Program Committee for 1995 Conference; National Federation of Abstracting and Information Services, President, 1989; Chair, Information Policy and Copyright Committee, 1991 to date; Chair, Annual Program Conference, 1988; Editorial Advisory Board, Annual NFAIS Yearbook, 1990-94; Editorial Advisory Board, *The International Journal of Electronic Publishing*, 1993-96; Editorial Advisory Board, *TERI Information Digest of Energy*, 1991-95; Chemical Notation Association, President, 1980; Secretary, 1976-79; American Institute of Chemists, Secretary, Philadelphia Chapter, 1981-82. Executive Vice President, Database Publishing, Institute for Scientific Information 1989-1995.

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**MONTES, INGRID Puerto Rico Section.** University of Puerto Rico, San Juan, Puerto Rico.

**Academic Record:** University of Puerto Rico, B.S., 1980; Ph.D., 1985.

**Honors:** ACS Volunteer Award, 2012; Fellow ACS, 2010; Fellow International Pure and Applied Chemistry, 2006; Igaravidez Award, ACS Puerto Rico Section, 2006; Salute to Excellence Award, Committee on Community Activities, National Chemistry Week Coordinator for ten years, 2004; Chemical Education Award, ACS Puerto Rico Section, 1999; Academic Excellence and Productivity Award, University of Puerto Rico, 1997.

**Professional Positions** (for past ten years): University of Puerto Rico, Professor, 1998 to date, Pre-MARC Program Coordinator, 1992 to date.

**Service in ACS National Offices:** Committee on Committees, 2010-12; Committee on Education, 2001-09; Committee on Community Activities, 2004-09, Chair, 2007-09; Editorial Board, *Journal of Chemical Education*, 2010 to date; National Chemistry Week Task Force, 1999-04; Advisory Board for *ChemMatters* Magazine 2006-09, Chair, 2007-09; Task Force on Undergraduate Education, 1999-01.

**Service in ACS Offices:** Member ACS since 1980. *Puerto Rico Section:* Councilor, 1999-13, Chair, 2011, 2003, 1995, Chair-Elect, 2010, 2002, 1994, Treasurer, 1998, Alternate Councilor, 1996-97, Secretary, 1992-93; Faculty Advisor of the Student Affiliate Chapter of the University of Puerto Rico-Río, Piedras 1989 to date; National Chemistry Week Coordinator for 19 years and CCED Coordinator for 4 years. *Chemical Education Division:* National Meetings Program Committee, 2002-08; Long Range Planning Committee, 2004 to date, Chair 2010 to date; 2007 ACS Fall National Meeting, Program Co-Chair. *South East Regional Meeting:* General Chair, 2009; Chair, Theme Team for the International Year of Chemistry Celebration, 2011, Representative of the ACS at the IUPAC 2011 Organizing Committee.

**Member:** International Pure and Applied Chemistry. *ACS Divisions:* Chemical Education, and Professional Relations.

**Related Activities:** Organizer: Project Are Women Still Underrepresented in Science? ACS Challenge Grant for the 2011 IUPAC World Congress; Nominated for the 2009 U.S. Professors Years Program sponsored by CASE; Nominated for the National Society of Collegiate Scholars (NSCS) 2009 Inspire Integrity Award.

## REQUEST FOR SUGGESTIONS FOR 2014 SOCIETY OFFICERS

### A Reminder

The Committee on Nominations and Elections needs the aid of Councilors in discharging the following responsibilities specified in the Bylaws:

1. receiving from members suggestions of persons who should be considered when selecting proposed nominees for SOCIETY offices; ....
2. preparing a panel of nominees for District Directors and President-Elect, and of candidates for Directors-at-Large, ....

The Committee asks each Councilor to examine the following list of positions to be filled on January 1, 2014, and the list of those continuing in related posts. Names of individuals suggested for nominations should then be inserted in the appropriate blanks. These sheets can be left on the table near the door as you leave the Council meeting, or emailed to the Chair of the Committee: Dr. W. H. "Jack" Breazeale - nomelect@acs.org

### PRESIDENT-ELECT

Incumbents in the 2012 Presidential succession are: President, Bassam Z. Shakhashiri; President-Elect, Marinda Li Wu; and Immediate Past President, Nancy B. Jackson. Nominees for President-Elect in 2013 are Thomas J. Barton, Luis A. Echegoyen, William A. Lester, Jr., and Barry M. Trost. From this list, two will be selected at this Council meeting to run (along with any others nominated by petition) as candidates for election this fall (see Council agenda **Item IV, A, pages 16-23**).

### DIRECTORS-AT-LARGE

Incumbents whose terms expire at the end of 2013 are Kathleen M. Schulz and Kent J. Voorhees. Kent J. Voorhees is ineligible for re-election; Kathleen M. Schulz is eligible for reelection.

William F. Carroll, Jr., Dennis Chamot, Valerie J. Kuck, and Barbara A. Sawrey are other Directors-at-Large. From the following candidates (plus any nominated by petition), two will be elected this fall for a three-year term, 2013-2015: Carol A. Duane, Valerie J. Kuck, Helen (Bonnie) A. Lawlor, and Ingrid Montes (see Council agenda **Item IV, C, pages 25-28**).

### DIRECTOR, DISTRICT II

Elected by members of local sections having their headquarters in Indiana, Kentucky, Michigan (except the Upper Peninsula Section), Maryland (except the Maryland Section), Michigan, Ohio, Tennessee, Virginia, and West Virginia; Pennsylvania (except the Central Pennsylvania, Lehigh Valley, and Susquehanna Valley Sections); and those members with addresses in the states of Indiana (except the counties of Lake and Porter), Kentucky (except Massac County), Ohio, Michigan (except Dickinson County), Tennessee, Virginia, and West Virginia who are not assigned to local sections.

The incumbent, George M. Bodner, is eligible for re-election.



#### DIRECTOR, DISTRICT IV

Elected by members of local sections having their headquarters in Alabama, Florida, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Texas (except Panhandle Plains, Permian Basin, South Plains, and Wichita Falls-Duncan Sections), and the Commonwealth of Puerto Rico; and those members with addresses in Georgia (except the counties of Catoosa, Chattooga, Dade, Walker, and Whitfield), Louisiana, North Carolina, and certain counties in Texas who are not assigned to local sections.

The incumbent, Larry K. Krannich, is eligible for re-election.

#### OTHER DISTRICT DIRECTORS

The other District Directors who continue in office beyond 2012 are:

Pat N. Confalone, District III  
Bonnie A. Charpentier, District VI

District Directors will be elected this fall for the 2013-2015 term to represent Districts I and V. The slates of nominees are (see Item IV, B, page 24):

DISTRICT I  
Barbara J. Garrison  
Thomas R. Gilbert  
Neil D. Jespersen  
Julianne M. D. Smist

DISTRICT V  
John E. Adams  
Frank D. Blum  
Peter K. Dorhout  
Frankie K. Wood-Black

Attention: Dr. W. H. "Jack" Breazeale  
nomelect@acs.org

Dear Dr. Breazeale:

I propose the following MEMBERS for consideration by the Committee on Nominations and Elections:

PRESIDENT-ELECT

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Affiliation \_\_\_\_\_

Affiliation \_\_\_\_\_

DIRECTOR-AT-LARGE

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Affiliation \_\_\_\_\_

Affiliation \_\_\_\_\_

\*DIRECTOR, DISTRICT II

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Affiliation \_\_\_\_\_

Affiliation \_\_\_\_\_

\*DIRECTOR, DISTRICT IV

Name \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Affiliation \_\_\_\_\_

Affiliation \_\_\_\_\_

\_\_\_\_\_  
(Name-self)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Local Section or Division)

\*See preceding pages for territory

(This form must be received no later than May 13, 2012.)

# BALLOT COUNTS, PREVIOUS ELECTIONS

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from nominations and elections at the previous meeting and of interim mail balloting. The following tabulations give the numerical results of the balloting at the August 31, 2011 meeting of the Council for election of members of the Committee on Committees, Council Policy Committee, and Committee on Nominations and Elections; and of mail ballots for election of President-Elect, Director of District III and VI, and Directors-at-Large (November 21, 2011).

## COUNCIL POLICY COMMITTEE

Spiro D. Alexandratos	167	Mark D. Frishberg	150
*Lawrence Barton	170	*Peter C. Jurs	260
Michael J. Brownfield	93	*Mamie W. Moy	262
John W. Finley	122	*Eleanor D. Siebert	256

## COMMITTEE ON COMMITTEES

Matthew K. Chan	148	*Helen (Bonnie) A. Lawlor	210
Richard S. Danchik	80	*Zaida C. Morales-Martinez	229
*Rigoberto Hernandez	243	*Howard M. Peters	207
Roland F. Hirsch	157	*Sara J. Risch	261
James M. Landis, Jr.	151	Jason E. Ritchie	185

## COMMITTEE ON NOMINATIONS & ELECTIONS

R. Gerald Bass	136	Robert L. Lichter	175
Cherlynlavaughn Bradley	178	*Anne T. O'Brien	231
*William H. (Jack) Breazeale, Jr.	243	Robert A. Pribush	142
*Catherine C. Fenselau	193	*Andrea B. Twiss-Brooks	211
*Lydia E. M. Hines	180	Steven W. Yates	140

## PRESIDENT-ELECT

(November 21, 2011)

Dennis Chamot	9,936
*Marinda Li Wu	13,617

## DIRECTORS-AT-LARGE

(November 21, 2011)

Ken B. Anderson	122
*William F. Carroll, Jr.	302
Charles E. Kolb	94
*Barbara A. Sawrey	177

## DIRECTOR, DISTRICT III

(November 21, 2011)

*Pat N. Confalone	2,242
David J. Lohse	1,077

## DIRECTOR, DISTRICT VI

(November 21, 2011)

*Bonnie A. Charpentier	2,158
Carlos G. Gutierrez	1,274

\* Individual Elected

## REPORT OF THE PRESIDENT

My Fellow Councilors,

I express thanks and gratitude for the leadership of my two immediate predecessors: Nancy Jackson and Joe Francisco. I admire their stamina in representing ACS with a smile and strong messages across our country and around the world. Their initiatives and programs have inspired audiences who read their writings, participated in activities they championed, or met them in person. Also, I express appreciation to all our volunteer members for their commitment to our mission as a scientific and educational organization and for their hard work in helping advance the broader chemistry enterprise. I thank the Board of Directors for its stewardship in all matters affecting ACS. We are blessed with an excellent staff both in Washington, DC and in Columbus, OH who manage all of our programmatic and publications affairs. The skills and effectiveness of our Executive Director and CEO Madeleine Jacobs deserve special recognition. Thank you one and all.

My commitment and advocacy are clear. As a learned society, ACS must carry all its work to enrich the chemical enterprise and to serve society in a manner commensurate with its stature and with the high expectations we set for ourselves individually and collectively. ACS must show itself and the general public that the chemical sciences are major drivers of our economy and contribute hugely to prosperity, fairness and justice. Our performance as a Society is gauged by the creativity of our elected and appointed leaders and by the efficiency and productivity of our staff. The ultimate measure of everything we do is the influence we have on the vitality of chemical enterprise and on society locally, across the Nation, and around the world.

I am pleased to report that my theme for 2012 and beyond “*Advancing Chemistry and Communicating Chemistry*” is well received as are the initiatives which were announced in my statement published in the January 2 issue of *C&EN*. The ACS Presidential Commission on Graduate Education\* is well underway under the leadership of Dr. Larry Faulkner in addressing the two major questions I gave them as a charge: “What are the purposes of graduate education in the chemical sciences?” and “What steps should be taken to ensure that important societal issues as well as the needs and aspirations of students are addressed in graduate school?” The Commission has formed its own working groups to: address current strengths and weaknesses of graduate education at all types of institutions; profile graduate students and their employment opportunities; support mechanisms for graduate education and research; address the length of the Ph.D. and postdoctoral programs, and other considerations related to innovations in master's and Ph.D. degree programs, e.g., diversity, talent development, and the aspirations of graduate students. The topic of graduate education will be discussed at the Board of Directors open meeting on Sunday, March 25 beginning at noon at the San Diego Convention Center in Room 6F, and a listening session with graduate students, postdocs, faculty, employers, and all others concerned is scheduled for Monday, March 26, at 1:30 p.m. in the San Diego Marriott. Input from Councilors is invited and would be much appreciated.

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\* The full commission membership is available in the *C&EN* November 21 article located here: <http://cen.acs.org/articles/89/i47/Task-Force-Members.html> and contact is invited at: [graduatecommission@acs.org](mailto:graduatecommission@acs.org)

I have appointed a Presidential Working Group on Climate Science\* chaired by Dr. Jerry Bell and I gave the Working Group two tasks. One is to develop a toolkit that deals with the science of climate change that can be used by every ACS member. The initial use of this Climate Science Toolkit is self-education. It will be designed to equip ACS members with the information and other resources necessary to develop a robust intellectual structure that can be the basis for their discussions with others. What is a greenhouse gas? How does the heating mechanism work? How does the vibrational energy from molecules change into translational kinetic energy? These are just a few examples of the questions whose answers must be understood before we try to share the science of our climate with the public. The second task for the Working Group is to articulate strategies for our members to use the toolkit in disseminating climate science information to school teachers, college and university faculty, industrial scientists and business leaders, civic and religious groups, professional science and educational organizations, and elected public officials at all levels and in all branches of government. These strategies should be aimed to enrich and expand on the ACS position statement on climate change and related ACS programs and activities. At the March 28 Council meeting the Working Group will be seeking your reaction to the proposed topics of the ACS Climate Science Tool Kit.

This year is the sesquicentennial of the Morrill Land Grant Act. This Act gave federal lands to states as a means to raise money to establish colleges that focus on teaching agriculture, science, and engineering in addition to liberal arts. I invite you to join the celebration by publicizing the accomplishments of chemical scientists from your institutions, whether land-grant or not, making them available widely through the Web, as I have for my institution, the University of Wisconsin-Madison ([www.scifun.org/MorrillLandGrantAct.html](http://www.scifun.org/MorrillLandGrantAct.html)). We should embrace and celebrate our rich contributions as chemists, as a discipline, and as a professional Society to the larger society in which we live.

I plan to explore an ACS high school chemistry teacher fellowship program whose goal would be to substantially increase the number of highly qualified high school chemistry teachers. A major theme of this program is connectivity. Upon graduation, the fellows would be placed in public schools in the immediate vicinity of the institution from which they graduated. The graduating institution would be responsible for their continuing education and professional development for a period of three years. This exploration is in the preliminary stages and I will be sharing more about it at our national meeting in Philadelphia.

Thank you for your support, advice, and for joining together in doing our best for ACS, for science, and for society.

Bassam Z. Shakhashiri

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\* The full Working Group membership is available in the C&EN November 21 article located here: <http://cen.acs.org/articles/89/i47/Task-Force-Members.html> and contact is invited at: [climatescience@acs.org](mailto:climatescience@acs.org)

## REPORT OF THE PRESIDENT-ELECT

Mr. President and Fellow Councilors,

It is with feelings of great anticipation and responsibility that I look forward to serving as your President next year. I am grateful for your support and that of members from all over the world. Many of you (and many members, both domestic and overseas) have written to me with ideas and suggestions. I appreciate them and will continue to seek input from members, governance, and staff. It is critical that we work together to form strategic collaborations as we tackle tough challenges facing our profession and ACS.

Two areas I would like to focus on next year include jobs and global outreach.

How can ACS help members with jobs and professional development? One way is to increase advocacy to improve the business climate in the U.S. I am working with the ACS Office of Public Affairs, the Committee on Chemistry and Public Affairs, and others regarding advocacy efforts. Stay tuned.

Last January, when I attended our annual ACS Leadership Institute in Fort Worth, I challenged the approximately 350 leaders also attending (Chairs or Chair-Elects from our local sections and divisions, YCC members, ACS Career Volunteers, new national committee Chairs, and ACS staff) and now I challenge *you*, our Councilors, to consider recruiting champions to start or re-invigorate a Job Club in your local section if you do not have an active one. Providing *local* career support with knowledge and access to the latest ACS Career resources, help with resumes and interviewing, plus networking opportunities, can be invaluable to the record 4.6% unemployed members who responded to the last ACS Comprehensive Salary Survey (March 2011). I know from experience that job seekers often help one another, so try inviting a couple of job seekers to start a Job Club for your local section. I hope to serve as a *catalyst for positive change*, and I encourage all of you to also serve as helpful *catalysts* to start job clubs for your local sections.

In response to the record unemployment in chemistry, ACS has redoubled efforts to help unemployed and underemployed members. I am happy to announce that our career offerings have been expanded at this meeting to include a new series of workshops illustrating career options in industry, academics, government and entrepreneurial activities. Additionally, the ACS Entrepreneurial Training Program and the Entrepreneurial Resources Center, which were approved by the Board during the last ACS National Meeting, have been implemented to stimulate business development in chemically-related fields.

I am also seeking input on ways to expand our *global outreach* with more programs such as international exchange and strategic collaborations that will benefit ACS members and the global chemistry enterprise. ACS has debated such issues for years. I certainly believe in the need to support our domestic members first, but ACS can and *should* do more in the global arena to remain competitive. More than 65% of the articles published in ACS journals originate from outside the United States. The segment of our non-U.S. ACS members is roughly 15% and growing.

During my years in the Presidential succession, I plan to travel abroad to strengthen alliances and relationships with our sister societies around the world. These travels should be selective and have a strategic purpose. *Relationship building* has been cited as one of ACS's toughest challenges overseas. Thus, I will focus on relationship building, building bridges for strategic collaborations, and exploring mutual benefits in face- to- face dialogue with our counterparts overseas. There are many challenges that we can work together to pursue for the benefit of the global chemistry enterprise.

Now what I find exciting about the new ACS Strategic Plan is its consistency with a philosophy I have held throughout my life: *turning challenges into opportunities*. When you check out the new ACS Strategic Plan posted on the [acs.org](http://acs.org) website, you will find both challenges and opportunities listed. Under each of the four new ACS goals (which can be simply summed up by four words: *information, networking, education, and advocacy*), there are now *challenges* as well as *opportunities* to explore to reach these goals.

President Shakhshiri has chosen an excellent theme of “Advancing Chemistry and Communicating Chemistry,” and I intend to support him 100% in his efforts. I will also work hard this year to plan for my Presidential initiatives next year. While I certainly have ideas, I always welcome and value *your* suggestions as to what more ACS can do to help its members, particularly in tackling the tough challenges of *jobs* and *globalization*. I look forward to *working together* with you to turn these *challenges into opportunities* to better serve our members and our Society!

Marinda Li Wu

## REPORT OF THE IMMEDIATE PAST PRESIDENT

Two projects in particular have been a focus during the final months of 2011 and the beginning of 2012. One is the ACS Presidential Sustainable Manufacturing Roundtable, which is a small group of chemists interested in identifying research needs and opportunities to support the development of sustainable manufacturing technologies in the future for the chemical and allied industries. Presently, the Roundtable includes representatives from industry, national labs, and the Council for Chemical Research, but in the future, the Roundtable hopes to attract a broader group of representatives. The Sustainable Manufacturing Roundtable will be reporting on its activities to Corporation Associates at the meeting in San Diego. Although the activities of the Roundtable are just getting started, we hope that we can learn from the successes of the ACS Green Chemistry Institute Pharmaceutical Roundtable.

Second, a group from ACS, including representatives from the Sustainable Manufacturing Roundtable, the Committee on Environmental Improvement, Committee on Science and others, met with an equivalent group from the American Institute of Chemical Engineers (AIChE) to discuss ways in which our two societies could contribute to making effective decisions for energy research and technology development investments. With an increasing need for development of sustainable energy options combined with increasing pressure on the federal budget, there is a need to make smart and effective decisions regarding what investments to make regarding energy research and development. There are tools such as life cycle analysis that are available to analyze sustainability and energy efficiency, but a generally accepted methodology for analyzing energy technology possibilities is not available. ACS and AIChE plan to bring together experts and work together to provide such support for future energy decisions.

In addition to the above projects, I continue to support international activities of the Society. I worked with the Younger Chemists Committee to help them identify and support ACS representatives to the International Conference of Young Chemists, to be held in Amman, Jordan, in April 2012. (I am also sending my two postdocs who work in my department at Sandia National Laboratories.) This conference, which was inspired by the International Year of Chemistry, will have many young chemists from all over the world in attendance. The primary goal of this conference is to provide opportunities for young chemists to expand their scientific horizons and connect with their peers to enhance their opportunities for international collaboration. The European Young Chemist Network is also participating in this conference.

In response to a request from the U.S. Department of State, ACS has agreed to help the Iraqi Chemical Society to re-energize. The ACS Office of International Activities met with a group of Iraqis in Jordan in January 2012 to begin the process. At the San Diego ACS meeting, a number of these Iraqis will be attending and meeting our ACS leadership in the technical divisions, committees and the Board of Directors. I hope if you get a chance to meet these Iraqi chemists, you will welcome these new ACS members to our national meeting.

Nancy B. Jackson



## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

This is my first written report to Council as Chair of the Board. First, a personal note. Thank you to all members of Council for the confidence you have shown in me in sending me to the Board for a second term. I appreciate that you have high expectations, and I will not lose sight of what you have invested in me.

People have asked about my “agenda” as Board chair, and I want to be clear: Board Chairs don’t have agendas; at least this one doesn’t. Presidents have agendas, and Board members, including the chair, help the Presidents execute theirs successfully, because those agendas hold the interest of governance and membership. Having been President, I understand their need for support. But while I personally don’t have an “agenda,” I do have some touchstones—ways in which I would like to see the Society operate, and I’d like to share them with you.

First is what I call convergence. Over the past five years we’ve seen the three large pillars of the Society—Pubs, CAS and membership—learn to work more closely to advance the Society and the enterprise. A good example of this is the new policy regarding download access to 25 publications as a benefit of membership. I think this is a wonderful benefit, and I feel we’ve only scratched the surface of what we can ultimately accomplish as a truly full spectrum, integrated resource for practitioners and the enterprise.

Second is member value, and particularly perceived value. I’m somewhat ashamed to say this, but for 25 years of my career I was a “mailbox member,” and not involved with ACS beyond C&EN and the odd national meeting. It was enough for me to have the ACS member credential—that credential was the value I was seeking. Now, I’ve found so much more in my last eleven years of pretty much full ACS immersion, but full immersion wasn’t always for me and it surely isn’t for everyone. We need to understand and respect that and make sure that we’re providing value for all, in the way they perceive it and at the level they choose to engage.

My third touchstone speaks to those who **do** choose immersion, even if not full. We get tremendous sweat equity from our volunteers. Keeping them engaged and making the most of their effort is what makes us the organization we are.

And finally, while the Chair is a leader of sorts, the Chair needs to think like a manager, with sensitivity toward how things are working. Operational efficacy is my fourth touchstone.

So the time for euphoria is over and we’re down to the hard work, and there’s plenty of it. I will have more specifics on the state of the Society in my oral report in San Diego, but I do want to mention that we have completed work on the Strategic Plan for 2012 and Beyond. I’m particularly pleased with it because it is streamlined a bit from our previous plans, it adds a couple of strong current drivers—employment and education-- and yet in setting forth our goals still effectively states the value proposition for ACS membership. In short, we are committed to being best of breed in information resources, community and network for career development, chemistry education and advocacy for the discipline to the public and policymakers. I urge you to have a look at [strategy.acs.org](http://strategy.acs.org).

Also, I hope you will take the time to come to the open Board meeting on Sunday and participate in the discussion of President Shakhshiri’s graduate education initiative.

Finally, I hope you will take the time to engage me when you have thoughts or questions, either at the meeting or offline.

William F. Carroll, Jr.

MINUTES  
REGULAR SESSION  
BOARD OF DIRECTORS  
AMERICAN CHEMICAL SOCIETY  
Denver, Colorado  
August 28, 2011

The Board of Directors of the American Chemical Society met in Denver, Colorado, on August 28, 2011, beginning at 12:00 p.m. Bonnie A. Charpentier, Chair, presided. Other Directors present for all or part of the meeting were: George M. Bodner, William F. Carroll, Jr., Dennis Chamot, Pat N. Confalone, Peter K. Dorhout, Nancy B. Jackson, Madeleine Jacobs, Neil D. Jespersen, Larry K. Krannich, Valerie J. Kuck, Kathleen M. Schulz, Bassam Z. Shakhashiri, Kent J. Voorhees, and Marinda Li Wu. Present by invitation for all or part of the meeting were: Lisa M. Balbes, Rudy M. Baum, Brian A. Bernstein, William H. Breazeale, Brian D. Crawford, Denise L. Creech, Yvonne D. Curry, David Harwell, Mary Kirchhoff, Martha K. Lester, Flint H. Lewis, Robert J. Massie, Les W. McQuire, Scott J. Oliphant, Carolyn Ribes, Robert H. Rich, Sophie L. Rovner, Glenn S. Ruskin, Ronald E. Siatkowski, David T. Smorodin, John R. Sullivan, Frank E. Walworth and Marleen G. Weidner. More than one hundred and fifty observers were present at various times during the meeting.

Report from Executive Session

Bonnie A. Charpentier, Chair, opened the meeting with a summary of the key Board actions and discussion points from its executive session, August 26-27. She reported that the Board agreed to:

- approve guidelines for weighing selection and engagement in human rights cases wherever they occur;
- approve nominations for the AAAS Scientific Freedom & Responsibility Award and the NSF Waterman Award;
- receive briefings from its Planning Committee and Committee on Executive Compensation;
- adjust its agenda for the 2012 June meeting that overlaps with the Middle Atlantic Regional Meeting (MARM) to allow for attendance and participation at key MARM sessions and events;
- approve an advance registration fee of \$360 for national meetings held in 2012;
- reauthorize funding for inclusion in the 2012 proposed budget of the following programs: *ACS Fellows*; *ACS Leadership*; *ACS Scholars*; and *ACS Global Research Experiences, Exchanges, and Training (GREET)*;
- include a new program funding request - *The ACS Entrepreneurship Initiative* - in the 2012 proposed budget and the 2013 forecast budget;
- adopt the non-councilor reimbursement policy as presented by the Council Policy Committee to the Committee on Budget and Finance (at the rate of 50% of the councilor travel reimbursement) effective 2012;
- approve several recommendations from its Financial Planning Conference held June 1-3, 2011;
- receive a report from the Executive Director/CEO on challenges facing ACS 2011-2015; and briefings from her direct reports on the activities of the Publications Division, Chemical Abstracts Service, and the Society's General Counsel (including an update on the Leadscope litigation);
- approve the reappointment of two journal editors, the appointment of a new editor, and an appointment to the ACS Governing Board for Publishing;

- accept an invitation from the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) to meet with representatives of the ACS Board of Directors in 2012;
- receive a briefing from the President-Elect on his activities and priorities during his presidential year;
- receive a briefing from international dignitaries representing the Canadian Society for Chemistry, the German Chemical Society, IUPAC, and the Royal Society of Chemistry on their activities and plans to sustain the momentum started during the International Year of Chemistry;
- approve a resolution in memory of former Board member C. Gordon McCarty,
- and approve a nomination for the 2012 Othmer Gold Medal.

## INFORMATION ITEMS

### Reports of Officers

**President Nancy B. Jackson** reported that she testified to the Subcommittee on Education and Research of the House Science, Technology, and Space Committee on the NSF Merit Review Process. Dr. Jackson said that she was asked how the job of merit review can be more efficient and helpful, and she responded by using the example of the ACS Petroleum Research Fund's empowerment of program managers. Dr. Jackson also reported on her planned interactions with the Sustainability Manufacturing Initiative that will highlight the sustainable manufacturing agenda related to innovation and economic policy, and will bring together industrial, government, academic, and scientific organizations to enable sustainable manufacturing in the chemical and allied products industries.

**President-Elect Bassam Z. Shakhshiri** stated that he is proud to be a 50 year member of the Society and that the theme for his presidential initiatives is "Advancing Chemistry – Communicating Chemistry." Dr. Shakhshiri reminded the Board and audience of the Society's mission and vision and then briefly highlighted his four initiatives for 2012: 1) ACS and the Sesquicentennial of the Morrill Land Grant Act; 2) a blue ribbon panel to examine the purposes of graduate education; 3) helping the public understand the *science* of climate change; and 4) an ACS high school teacher fellowship program.

## OPEN FORUM

Dr. Charpentier announced that the Board of Directors had put on its agenda an open forum entitled, "What the ACS is doing, or can do, to assist members who are facing employment challenges in uncertain economic times?" She said that the Board has been concerned for some time about the rising unemployment rate of chemists and the uncertainty of our economy and its potential impact on future hiring; and for this reason, the Board wanted to take this opportunity to address the issue in an open forum with members. Dr. Charpentier then called on David Harwell, ACS Assistant Director, Career Management and Development, for a presentation to provide background information prior to the discussion.

Dr. Harwell reported the unemployment rate for chemists in 2009 (3.9%) was the highest since ACS started collecting employment data in 1971. The unemployment rate improved slightly in 2010 to 3.8%. He added that the recession hit new chemistry graduates the hardest with an unemployment rate at 11.4%. Dr. Harwell then described several career resources grouped as traditional resources available to members. They include career counseling, workshops, job search guides and videos, jobs database, career fairs, newsletters and blogs and the ACS webinars. He also noted professional development opportunities such as leadership courses, ACS short courses, webcast courses, online business courses, career pathways workshops, information on preparing for life after graduate school and the academic employment initiative. Dr. Harwell concluded his presentation by sharing information on President Jackson's new initiative "Paying it Forward" - designed to promote members helping members, plans for the upcoming ACS Entrepreneurial Initiative, and advocacy efforts for chemists before policy makers.

Dr. Lisa Balbes, Chair, Committee on Economic & Professional Affairs, called attention to a flyer distributed to all open session attendees that described the state of employment in the chemical enterprise. She said that the problem is serious and she invited members to join the Society in addressing this very important issue.

Dr. Charpentier then invited meeting attendees to ask questions, share their concerns, and/or provide input on employment in the chemical enterprise and other topics as appropriate. Attendees highlighted a number of concerns and suggestions, including health care for entrepreneurial chemists; the posting of jobs by local sections; the loss of jobs among science teachers; the need for a boiler-plate standard when searching for jobs; questions about the numbers for underemployment, the opportunity for ACS to do more by collaborating with other organizations; the unemployment rates for minority chemists; and the necessity of publicizing local section success stories that show how members have assisted other members.

Dr. Charpentier thanked participants for a successful forum and noted its standing room only attendance. She said that the Board will likely use this format again for future open sessions on timely topics.

There being no further business, the meeting was adjourned at 1:15 p.m.

Flint H. Lewis  
Secretary

**BOARD CHAIR'S REPORT  
OF EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
DECEMBER 2010**

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

**The Board's Elections**

The Board of Directors held two elections: the first to select the chair of the Board for 2012 (the current chair chose not to stand for re-election) and the second to elect three members for its Executive Committee. The Board elected William F. Carroll, Jr. as chair for 2012; and also elected Pat N. Confalone, Bonnie A. Charpentier and Peter K. Dorhout to fill terms on the Executive Committee. Dr. Confalone will fill a two-year term, Dr. Charpentier will fill the remainder of a two-year term previously held by Dr. Carroll, and Dr. Dorhout will fill a one-year term.

**The Board's Committees, Advisory Boards and Working Groups**

The Board of Directors received reports from its Committees on Public Affairs and Public Relations (PA&PR), Professional & Member Relations (P&MR), Grants and Awards (G&A), and Budget & Finance (B&F); and from its Executive Committee.

On the recommendation of the Committee on Public Affairs and Public Relations, the Board VOTED to recognize three individuals with 2012 ACS Public Service Awards.

The Chair briefed the Board on several topics from the Executive Committee meeting, including a report on ACS employee personnel policies and practices and a discussion of proposed topics for the upcoming Board Regular Session at the 2012 spring national meeting.

On the recommendation of the Committee on Grants and Awards, the Board VOTED to approve a Society nominee for the US Department of Energy's Ernest Orlando Lawrence Award.

On the recommendation of the Committee on Professional & Member Relations, the Board VOTED two actions as follows: 1) to make every appropriate effort to establish, nurture and welcome collaboration with chemistry communities worldwide and engage individual chemists, without regard for national or disciplinary boundaries; and 2) to revise the Board's human rights case response procedures.

On the recommendation of the Committee on Budget and Finance, the Board VOTED to approve the following:

- include funding for the ACS International Center in the Society's 2012 Proposed Budget and 2013 Forecast Budget;
- the 2012 Proposed Operating Budget with a Net Contribution of \$15,400,000 as adjusted, to incorporate the net operating expense of the ACS International Center;
- the 2012 Proposed Capital Budget of \$31,452,000.

The Board received a report from its Development Advisory Board, and VOTED to approve the following 2012 fundraising priorities: ACS Scholars Program, Project SEED, Green Chemistry Education and Outreach, and Teacher Professional Development.

**The Society's Strategic Plan**

The Board of Directors VOTED to approve the document, *ACS Strategic Plan for 2012 and Beyond*, which will be distributed in the first quarter of 2012. The Board also began formulating its plans for discussions of key strategic issues in 2012 that affect both chemistry and the ACS.

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

The Executive Director/CEO and her direct reports updated the Board on management's decision regarding possible top-level internet domain names, the activities of the ACS Hach Program, activities supported by the ACS Endowment Fund, Chemical Abstracts Service (CAS), the Publications (Pubs) Division, the Society's General Counsel including an extensive review of the Leadscope litigation, and a recommended appointment to the ACS Green Chemistry Institute® (GCI) Governing Board. As a follow-up to these reports, the Board VOTED to approve a new appointment to the ACS GCI Governing Board, and to approve funding directives for how the income from the ACS Endowment Fund should be used in 2012 and 2013.

### **Compensation of Society Executive Staff**

The Board received a report from its Committee on Executive Compensation and VOTED to approve several actions relative to compensation for the Society's Executive staff. The compensation of the Society's executive staff receives regular review from the Board.

### **Other Society Issues**

The Board received other reports as follows:

- an update on the implementation plan for the recently approved ACS Entrepreneurial Initiative;
- a briefing on the status of actions arising from the 2011 Financial Planning Conference;
- proposed plans for a joint ACS/NOBCChE meeting at the ACS spring national meeting.

By consent, the Board VOTED to approve the following: a nominee for the 2012 Perkin Medal; a Board Regulation amendment revising the Planning Committee duties; the schedule and location of Board of Directors meetings in 2012; continuation of the Committees on Community Activities and Publications; and resolutions for departing member Joseph Francisco and departing Board Chair Bonnie Charpentier.

Bonnie A. Charpentier, 2011 Chair

## REPORT OF THE EXECUTIVE DIRECTOR

It has been a tremendous honor and privilege working with the ACS Board of Directors, ACS Council, members, other volunteers, and staff in 2011. ACS has finished another highly successful year, and I am energized about the challenges and opportunities that await us this year. I will report on some of the new and exciting initiatives in San Diego.

At the top of our collective minds is the economy. The global economy continued to struggle throughout 2011, and the U.S. economy is only slowly recovering. In light of those facts, the accomplishments of the Society are all the more remarkable. For more details, please go to [www.acs.org](http://www.acs.org) and click on "About Us", where the 2011 Highlights of Achievements will be posted on March 1. Here are a few of those selected highlights from the ACS operating units that report to the Executive Director:

- Subject to audit sign-off by PricewaterhouseCoopers in late February, I am pleased to report that for the eighth consecutive year, ACS ended the year with a positive net contribution from operations. The Society generated a net of \$20.9 million, which is \$6.9 million favorable to the 2011 approved budget and represents a Return on Revenue of 4.3%. Revenue ended 2011 slightly better than the approved budget and 1.3% higher than the 2010 actual budget. The Budget & Finance Committee will provide more details in San Diego. Also, a successful Financial Planning Conference was held in June 2011. Several Board-approved recommendations are being implemented that will position the Society for continued growth and sustainability well into the future.
- The International Year of Chemistry (IYC) in 2011 provided ACS local sections, technical divisions, committees, individual members, and staff with new and fruitful opportunities to increase the public understanding and appreciation of chemistry. The capstone was a \$1,015,277 award from the National Science Foundation to the ACS Education Division to prepare and distribute 8,000 kits for Middle School Teachers, and to attend four science and engineering festivals in 2011-2012, thus enabling ACS to continue the momentum established during the International Year of Chemistry. The middle school curriculum book and kits, created by ACS Education Division staff, contain four lessons on physical and chemical change with all the materials needed to carry out the hands on experiments. They are being publicized to teachers through ACS local sections, the National Science Teachers Association, and ACS newsletters.
- During IYC, ACS received a \$2.5 million grant from The Dow Chemical Company to become the sole sponsor of the 2012 International Chemistry Olympiad, which will be held with ACS as the host in July at the University of Maryland. The International Chemistry Olympiad has not been held in the U.S. since 1992. More than 270 participants from 70 nations are expected. The ACS Development Office also raised more than \$5 million to support such vital programs as Project SEED, the ACS Scholars Program, and the ACS Green Chemistry Institute®.
- The Society provided valuable services to its growing membership through the Membership and Scientific Advancement Division (M&SA). As of year-end 2011, the Society had 164,215 members, which is the highest membership number in the Society's history and an increase of 1,104 over last year. The number of membership applications received in 2011 included 8,157 new undergraduate Student Members (the highest number ever recruited). The number of undergraduates grew from 14,575 in 2010 to 16,873, an increase from 8.9% to 10.3% of total members. The successful recruiting and retention are testimonials from our continuing and new members that ACS is truly their professional home, we hope for life. This success was made possible by the collaborative efforts of M&SA and all of the operating units (CAS, ACS Publications, Education, Office of Research Grants, and others), working with ACS governance units such as local sections, technical divisions, and committees.

- ACS information services divisions continued to grow and serve the global scientific community. Both CAS and ACS Publications achieved excellent financial results and a long list of operational and mission accomplishments. CAS indexed publications at an all-time record high; reactions were collected at an all-time record level; reaction procedures grew in SciFinder to more than 3 million; and CAS Registry<sup>SM</sup> new registrations grew by more than 9.3 million. At the end of the year, the CAS Registry contained nearly 65 million small molecules. CAS IT doubled its search capacity, enabling academic “unlimited use” agreements. ACS Publications launched two new journals (*ACS Medicinal Chemistry Letters* and *ACS Catalysis*). Other accomplishments include a new C&EN online website and a C&EN mobile app for its digital edition. In 2011, ACS Editors-in-Chief handled nearly 100,000 manuscript submissions through the editorial peer review process and ACS Publications published more than 36,000 accepted articles during the calendar year. The global scientific community accessed and downloaded a record 77 million full-text downloads from the ACS Publications Web Editions platform. Twenty seven ACS Journals set all-time full text usage records in 2011. Across the ACS portfolio, ACS Journals retained or advanced their leadership positions against competing publications, as measured by their ranking by Thomson Reuters ISI Impact Factor or Total Citations in the scientific literature.
- The Office of the Secretary and General Counsel led the development of the new *ACS Strategic Plan for 2012 and Beyond*. The new plan had a streamlined but inclusive process that led to four highly focused priority goals for ACS. In addition, the Secretary/General Counsel's Office successfully achieved extensive media coverage during IYC; produced *Spellbound*, an 8-part IYC-themed video series featuring a diverse group of notable chemists; and raised the profile of ACS in federal agencies.
- The Office of Research Grants (ORG) awarded 184 Petroleum Research Fund grants for a total of \$16,445,000, up from 131 grants and \$11.4 million in 2010. ORG ran competitions for the Teva Scholars Grant Program, the Herman Frasch Fund for Chemical Research, and the Irving S. Sigal Postdoctoral Fellowships. Decisions will be made in early 2012.
- Human Resources supported the implementation of many operating unit programs in response to the 2010 Employee Satisfaction Survey and developed numerous organization-wide programs in support of succession planning, diversity and inclusion, and organizational development, thus strengthening one of ACS's most important assets: its staff.
- None of the myriad accomplishments would have been achieved without the outstanding work of the Washington Operations IT staff and the CAS IT staff. In Washington IT Operations, more than 20 significant projects were successfully completed, including an enhanced FORMS application; a new Member Publications Benefit; C&EN workflow automation, delivery, and C&EN Mobile; and Automated Journal Composition initiatives, which saved more than \$800,000. Among its many accomplishments, CAS IT doubled its search capacity, enabling academic “unlimited use” agreements.

Moving forward, staff, working in partnership with ACS governance and our members, will focus on implementation of the four goals in the new Strategic Plan for 2012 and Beyond: providing the most authoritative, comprehensive, and indispensable chemistry-related information; empowering an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy; fostering the development of the most innovative, relevant, and effective chemistry education in the world; and communicating chemistry's vital role in addressing the world's challenges to the public and policy makers. I hope you will stop by the ACS Pavilion in the Exposition Hall to learn more about what ACS is doing to achieve the ACS Mission: “Advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.” I look forward to seeing you in San Diego.

Madeleine Jacobs



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

The following is a summary of the August and November 2011 meetings of the Governing Board for Publishing.

### **CAS Topics**

At the past two Governing Board meetings, CAS management reported on the last five years of CAS's operating history which showed that CAS has improved its operating margins in a period of slower growth by executing on its strategy. It was also reported that significant budget and pricing pressures are seen in all parts of the world; this pressure is now beginning to impact academic markets as well.

While layoffs of chemists in traditional markets have taken a toll on the corporate marketplace for SciFinder, the academic market remains strong and the Asian growth rate is excellent. SciFinder is available at pricing options to accommodate very small organizations, including special rates for entrepreneurs.

A status report was also provided on the 2011 CAS Objectives where it was noted that CAS will fully achieve the majority of its annual objectives including database content growth, SciFinder releases, Asia revenue growth, and increased search engine capacity.

### **CAS Financial Performance**

At the last Governing Board meeting, CAS management reported on CAS finances, noting that CAS projects to slightly exceed the Net Contribution approved budget. CAS also projects to meet the Return on Revenue financial projection target (this would be the highest in CAS history).

### **CAS Strategic Plan**

CAS management team presented for approval the CAS Strategic Plan for 2012-2014. The plan comprised a review of CAS performance, important competitive and market trends, and core strategies for the plan period. Key strategies include reengineering the Editorial processing infrastructure (E3) while maintaining record levels of data input, continuing the rapid releases of SciFinder® while completing transition to the web among all customers and moving academic users to "unlimited use", and developing the first, and then successive releases, of the new STN® platform.

The Strategic Plan calls for modest revenue growth as well as continued growth in Net Contribution to the Society over the plan period.

### **ACS Publications Division Topics**

Publications Division management reported that operations in 2011 remain sound, with substantial progress against all key operational objectives. Other topics discussed during the last two meetings included: expanded ACS member journal pricing options in 2012, post-cancellation content access provisions for institutional customers, and international marketing and sales outreach.

### **ACS Publications Division Financial Performance**

The ACS Publications Division anticipates ending the year with revenue growth ahead of budget, and exceeding the targets for Net Contribution and Return on Revenue for both the Division and the Journals Publishing Group.

**ACS Publications Division Strategic Plan**

Publications management presented an update to its Strategic Plan to cover the period 2012-2014. Operational objectives in areas related to new product development and innovations with evolving information technologies were also discussed. International growth targets are being met in key areas, such as Asia, notably China, Korea, and India. Efforts continue with increasing ACS's global presence through expanded sales and editorial office operations in areas of R&D growth internationally. The Division also continues to monitor developments related to open access, including initiatives by funding agencies and legislatures both in the U.S. and abroad.

Madeleine Jacobs, Chair

## REPORT OF THE GOVERNING BOARD FOR THE ACS GREEN CHEMISTRY INSTITUTE®

The ACS Green Chemistry Institute® (ACS GCI) continues to make major strides since its last report to Council in fall 2011. Following are a few highlights of accomplishments since then:

- ACS GCI gained consensus among various stakeholders and achieved the official issuance of a groundbreaking new standard related to green chemistry. More than 2.5 years in the making, the new standard sets criteria for defining and reporting environmental and health hazards of chemical products and processes to help suppliers and manufacturers make greener choices. The standard was developed in collaboration with NSF International and is referred to as NSRF/GCI ANSI 355 Greener Chemicals and Processes Information Standard.
- The ACS GCI launched Green Chemistry 201 (intermediate green chemistry) training as a workshop at the fall meeting with strong participation. The success of this workshop has reinforced the interest and value in training for green chemistry and has led to justification for the development of an Advanced Green Chemistry full day workshop to be piloted at the spring San Diego meeting.
- Planning is well underway for the 16<sup>th</sup> Annual Green Chemistry and Engineering Conference (GC&E), to be held June 18-20, 2012, at the Marriott Wardman Park Hotel in Washington, DC. The current keynote speakers include: Dr. Bassam Shakhshiri, 2012 ACS President; Dr. Marcel Wubbolts, Chief Technology Officer, DSM; and Dr. Richard Wool, Professor of Chemical Engineering, University of Delaware. The 2012 Conference Chairs are: Dr. Michael Lefenfeld, CEO of Signa Chemistry; Dr. Roger Sheldon, Professor of Biocatalysts & Organic Chemistry, Delft University of Technology The Netherlands; and Dr. Robert Peoples, Director, ACS Green Chemistry Institute. Recording of the sessions is planned as is a hybrid session to engage a global audience with a panel discussion. Conference details may be found at on-line: [www.gcande.org](http://www.gcande.org).
- ACS GCI will once again sponsor a student workshop at the GC&E Conference, with expected support of the National Science Foundation. The workshop will take place on Thursday, June 21, 2012, the day after the annual conference. ACS GCI will be working once again with Beyond Benign to deliver this event which focuses on undergraduate and graduate students and post-docs. K-12 science teachers will also be invited to attend.
- The ACS GCI Industrial roundtable series (Pharma, Formulators and Chemical Manufacturers) continues to be very productive with several Green Chemistry tools (e.g., Solvent Selection Guide, Process Mass Intensity) made available to the public. All three roundtables issued 2011 Year in Review summaries which may be found on the Roundtable website: [www.acs.org/greenchemistry](http://www.acs.org/greenchemistry) and click on the Industrial Roundtable tab. This fall, the ACS GCI Pharma Roundtable issued its call for proposals for green engineering focused projects. Dr. Charles Liotta of the Georgia Institute of Technology won the two-year grant of \$150,000. Most notable, this brings the cumulative grant funding by the ACS GCI Pharma Roundtable to more than \$1million.
- ACS GCI awarded four Ciba Travel Awards to students in the fall of 2011.

Berkeley W. Cue, Ph.D., Chair

**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
Denver, Colorado  
August 30, 2011

The Council Policy Committee (CPC) of the American Chemical Society met in Denver, Colorado, on August 30, 2011, beginning at 8:00 a.m. Chair Nancy B. Jackson presided. Other voting members present were: John E. Adams, M. Elizabeth Derrick, Alan M. Ehrlich, Joseph S. Francisco, Thomas R. Gilbert, Madeleine Jacobs, Bonnie A. Lawlor, Willem R. Leenstra, Mamie W. Moy, Mary Virginia Orna, Dorothy J. Phillips, Carolyn Ribes, Bassam Z. Shakhashiri, and Eleanor D. Siebert. Flint H. Lewis served as Secretary.

The following chairs of Society, Elected, and Standing Committees of the Council, all non-voting members of the Council Policy Committee, attended all or portions of the meeting: Harmon B. Abrahamson, Lisa Balbes, William H. (Jack) Breazeale, Mary K. Carroll, Pat N. Confalone, Lee H. Latimer, Les W. McQuire, William R. Oliver, and John M. Pochan. Present by invitation for all or part of the meeting were: Bonnie A. Charpentier and Yvonne Curry. Several Councilors, ACS staff, and others were present as observers at various times during the meeting.

Approval of Minutes

1. VOTED to approve the minutes of the March 29, 2011, meeting of the committee.

Report of Interim Action

2. VOTED that the Council Policy Committee approve (and ratify its interim action) a Councilor Divisor of 455 for determining the number of local section Councilors for 2012-2015.

Reports of Committee Chairs and Society Officers

The Council Policy Committee divided into three subgroups for the purpose of reviewing the proposed oral reports to Council of officers and committee chairs. The subgroups met from 8:15 to 9:15 a.m.; Nancy Jackson, Joseph S. Francisco, and Thomas R. Gilbert (for Bassam Shakhashiri) served as chairs for the subgroups.

Upon reconvening at 9:30 a.m., the committee received reports from the chairs of the subgroups, with the reports emphasizing items for which Council action would be required on August 31. In the subgroups, reports were presented by the officers and by the chairs of the Elected Committees on Committees (ConC) and on Nominations and Elections; the Society Committees on Budget and Finance and on Education; the Standing Committees on Constitution and Bylaws, Divisional Activities, Economic and Professional Affairs, Local Section Activities, Meetings and Expositions, and on Membership Affairs; the Joint Board-Council Committees on Younger Chemists, Women Chemists, Professional Training, Minority Affairs, International Activities, Community Activities, Chemists with Disabilities, and on Chemical Safety; and the Other Committees on Technician Affairs, Project SEED, and on Nomenclature, Terminology and Symbols; including reports on progress and recommendations resulting from their work during the past half-year and their sessions held in Denver, Colorado, prior to the CPC meeting. By individual actions, CPC concurred in certain recommendations to be made to Council by the committees. These appear below and, as appropriate, in the record of the August 31 Council meeting. All references to the Council or its meeting relate to the August 31, 2011 meeting of that body.

3. VOTED that the Council Policy Committee concur with the Committee on Committees recommendation that Council support continuation of the Committee on Community Activities and the Committee on Publications.
4. VOTED that the Council Policy Committee authorize the Committees on Budget and Finance, Community Activities, Constitution and Bylaws, Divisional Activities, and Local Section Activities, and the Past President to use projected graphics as part of their reports to Council.
5. VOTED that the Council Policy Committee authorize additional time for the reports of the Committees on Budget and Finance, Economic and Professional Affairs, and Local Section Activities; and of the Executive Director and the President-Elect.
6. VOTED that the Council Policy Committee concur with the recommendation of the Committee on Divisional Activities that the Division of Catalysis and Technology be advanced from probationary to permanent status as a division of the Society.
7. VOTED that the Council Policy Committee authorize the chair of the Committee on Nominations and Elections (N&E) to yield to the N&E vice-chair of the committee to conduct the election at Council for members of the Committee on Nominations and Elections.
8. VOTED that the Council Policy Committee concur with the recommendation of the Committee on Divisional Activities that Council approve the dissolution of the Petroleum Chemistry Division and the merger of its assets and members with those of the Fuel Chemistry Division under the new name the "Division of Energy and Fuels."
9. VOTED that the Council Policy Committee grant standing authorization for the Committee on Nominations to use slides before Council when demonstrating how "clicker" voting is conducted.
10. VOTED that the Council Policy Committee authorize Dr. Rabin Lai to present the Council report of the Committee on Technician Affairs in the chair's absence.
11. VOTED that the Council Policy Committee authorize the Chair of the Committee on Nomenclature, Terminology and Symbols to make an oral report to the Council.
12. VOTED that the Council Policy Committee amend the order of reports of Other Committees at the Council meeting to allow Chemists with Disabilities to report first.

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

Vice, Chair Carolyn Ribes, reported on a variety of the key activities of CPC subcommittees and task forces, including that the Subcommittee on Constitution and Bylaws drafted a petition to amend the bylaws regarding recorded vote procedures at Council meetings; the extensive efforts by the Subcommittee on Long-Range Planning to gather input for the next ACS strategic plan and to develop a mentoring program for new Councilors; and that she and Les McQuire presented to the Committee on Budget and Finance on the non-Councilor committee reimbursement proposal, which was adopted by the Board of Directors. Dr. Ribes then presented a motion to authorize a special discussion at Council on safety – including a presentation on the subject by the ACS President. The committee offered several helpful changes to the proposed presentation and agreed to grant the President discretion to continue the special discussion beyond 30 minutes if needed for all Councilors wishing to speak to be heard.

13. VOTED that the Council Policy Committee authorizes the ACS President to present to Council with projected graphics on the special discussion subject, “How can ACS best cultivate a culture of safety in U.S. universities and colleges?”, that the discussion following the presentation be limited to thirty (30) minutes, with no Councilor speaking for more than one minute, and that no motions will be in order during consideration of this agenda item at the Council meeting.

#### Reports of Subcommittees and Task Forces

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

Subcommittee chair, M. Elizabeth Derrick, reported that the subcommittee preferred the original language it used in the Petition to Amend Recorded Vote Request Procedure, rather than the amended language submitted by the Committee on Constitution and Bylaws; and that the subcommittee was not recommending that CPC take a position for or against the Petition on Position Statements.

14. VOTED that the Council Policy Committee concur with the recommendation of the Committee on Constitution and Bylaws that Council approve the proposed bylaws for the Division of Catalysis Science and Technology (conditioned on Council granting it full division status).

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

Subcommittee chair, Thomas R. Gilbert, reported that the subcommittee had engaged Councilors in providing input for the new ACS strategic plan through a variety of methods, including a web survey, discussions on the Councilor ACS Network Group, the Councilor Bulletin, and Councilor caucuses. He then proposed that CPC authorize a straw poll at the Council meeting to get direct feedback on suggested goal areas. This led to discussion about the merits of a straw poll, with several committee members suggesting that having Councilors vote on previously identified list of specific goals might be limiting and less useful.

15. VOTED that the Council Policy Committee authorize its Vice Chair to display through projected graphics at Council the strategic plan input received from the Councilor caucuses.

16. The Councilor Policy Committee VOTED to defeat a motion from the Long-Range Planning Subcommittee authorizing a straw poll at Council on possible goal areas for the strategic plan.

Dr. Gilbert provided background on the subcommittee’s plans to implement a mentoring program for Councilors which would match up experienced Councilors from Elected and other committees with new Councilors.

17. VOTED that the Council Policy Committee support the mentoring program, as recommended by its Long-Range Planning Subcommittee.

##### C. CPC-ConC Task Force on the Proposed Committee Expense Reimbursement Policy

The committee discharged the task force with thanks for its successful efforts to develop a reimbursement program for committee members who are not Councilors.

#### Discussion of the Duties and Responsibilities of CPC

Vice Chair Carolyn Ribes presented to the committee on its current duties and responsibilities, its role in vetting committee reports in subgroups, and possible changes to its subgroup activities. The committee members then engaged in a lengthy discussion of these items, which included individual comments such as the following: committee reports should focus on outcomes rather than activities; we need to shorten reports from 3 to 2 minutes in length or allow some 3 and others 2; do more subgroup meetings to shorten the time

involved, the subgroup process helps focus reports; give the chairs a checklist of the requirements for their reports; review reports on Monday and then use 4 subgroups Tuesday morning to discuss the reports' content; provide copies of every report to Councilors prior to the Council meeting; reports should focus on future plans; CPC could discuss the future of national meetings (others responded that this may not be an appropriate role for CPC); and the reports should contain only what Councilors need to know.

#### Schedule of Business Sessions

The following schedule of activities at the spring 2012 National Meeting is the result of previous authorization by the Council Policy Committee:

Board of Directors: Sunday, March 25

Council Policy Committee: Tuesday, March 27

Council: Wednesday, March 28

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

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

#### Council Agenda

18. VOTED that the Council Policy Committee approve the Council Agenda for the August 31, 2011 meeting of the Council, as amended to allow an oral report from the Committee on Nomenclature, Terminology and Symbols, and to change the order of the oral report of the Committee on Chemists with Disabilities.

#### New Business

The chair thanked the departing committee members for their service.

#### Open Forum

Donivan Porterfield suggested that more content from committees' agendas be made available, perhaps by posting appropriately redacted material on the Councilor Network following the national meetings. Committee members then discussed this and suggested that committees include more detailed information about their agendas when they are published in C&EN prior to the national meetings.

There being no old business, additional new business, or additional comments during the open forum, the meeting was adjourned at 11:45 a.m.

Flint H. Lewis  
Secretary

**O R I G I N A L**

**FOR ACTION**

**Petition to Amend Recorded Vote Request Procedure**

**Bylaw III, Sec. 4, d**

**Petition**

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

**BYLAW III  
Council  
Sec. 4.**

Meetings of the Council

d. Recorded Vote

Any member of Council may call for a recorded vote on the current action before the Council, other than an election, at any time before ~~the Council has proceeded to the next item of business or recessed~~ **voting using a method from which it can be determined how each Councilor voted has commenced**. Upon approval by three-tenths (3/10) of the Councilors voting, a recorded vote shall be taken without an intervening recess, either at the close of the debate or when approved, whichever is later. The recorded vote shall be administered using a voting method from which it can be determined how each Councilor voted. The record of the vote shall appear promptly in the official organ of the SOCIETY. (9/30/10)

**Explanation**

Since March 2009, the Council has routinely used a clicker system for voting and surveys. Only numerical results have been reported; however, the computer that totals the votes can list votes by clicker number from which it can be determined how each Councilor voted.

Because the new technology can facilitate recorded votes without the need to put all business on hold while signed ballots are collected and counted, Bylaw III, Sec. 4, d was recently amended to permit clicker voting, or any other method from which it can be determined how each Councilor voted, to be used for recorded votes.

This recent change in the Bylaws raises secondary issues. Can a call for a recorded vote come after a clicker vote, and if so, should there be a second clicker vote or should the record from the first clicker vote be the one published in *Chemical and Engineering News*? Clarification is necessary.



To address this issue, the Council Policy Committee (CPC), which has the authority to set the Council's agenda and procedures (Bylaw III, Sec. 3, a, (1), (a) and (b)), issued guidelines for first use at the Spring 2011 National Meeting. The guidelines provide that "Whenever the Chair chooses a clicker vote, Councilors should be asked if there is a request for a recorded vote." The guidelines also provide that there will be only one clicker vote on any one issue. In addition at its spring 2011 meeting, CPC agreed to prepare a petition to clarify the SOCIETY Bylaws on this issue in collaboration with the Committee on Nominations and Elections and with the advice of the Committee on Constitution and Bylaws.

The proposed Bylaw change makes it clear that there will be only one recorded vote possible on any one issue. The proposed Bylaw change also makes it clear that other voting, such as a voice or show of hands vote, can precede the recorded vote. However, a call for a recorded vote after clicker voting has commenced will be out of order as would a call for a recorded vote after the initial clicker voting has taken place. A variation of the phrase "a voting method from which it shall be determined how each Councilor voted" already in this bylaw has been added to the first sentence in the bylaw. Although apparently redundant language, the first phrase clarifies procedure; the second defines a recorded vote.

Clicker voting is referenced in this explanation because it is the specific technology which has raised this issue. The more inclusive language in the proposed bylaw, "a method from which it can be determined how each Councilor voted" has been chosen to allow for other technology Council may choose in the future. Council's traditional method of signed ballots is also covered by the inclusive language should Council ever wish to return to that method for a recorded vote.

Signed:

John E. Adams	Madeleine Jacobs	Mary Virginia Orna
William H. Breazeale, Jr.	Peter C. Jurs	John M. Pochan
Dwight W. Chasar	Lee H. Latimer	Bassam Z. Shakhashiri
M. Elizabeth Derrick	Bonnie Lawlor	Eleanor D. Siebert
Ray A. Dickie	Willem R. Leenstra	
Alan M. Ehrlich	Mamie W. Moy	

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

**\*Committee having primary substantive responsibility**

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

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

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

The Committee on Constitution and Bylaws has reviewed the petition and finds it to be legal and consistent with other provisions of the Society's documents. The Committee agrees with the original

language in the petition when it was presented to Council for consideration. The proposed Bylaw change provides that a call for a recorded vote after clicker voting has commenced will be out of order, as would a call for a recorded vote after the initial clicker voting has taken place. Other voting, such as a voice vote or show-of-hands vote, can precede the recorded vote.

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

Dr. Harmon Abrahamson  
Chair

## REPORT OF THE COMMITTEE ON COMMITTEES

The Committee on Committees (ConC) submitted its final recommendations for 2012 committee chairs, members, associates, and consultant appointments for consideration by the President-Elect and the Chair of the Board of Directors. The committee appointment process was completed in January 2012.

The ConC Subcommittee on Leadership Development conducted its 14th annual training session for new committee chairs and their staff liaisons in Ft. Worth, Texas, in late January 2012, as a component of the ACS Leadership Institute. Nine new chairs, with their staff liaisons, attended. This training continues to receive favorable reviews from participants.

Councilors and other interested parties are invited to attend the committee's open meeting on Monday, March 26, from 1:00 – 2:00 p.m. to offer their views on any topics on the agenda, and other matters of interest. Please note the new time of the open meeting.

In closed executive session, ConC will receive reports and consider recommendations from its subcommittees or task forces on leadership development, governance pipeline, diversity, Senior Chemists, and the ConC web page. ConC will receive updates on 5-year performance reviews for the committees on Ethics, Environmental Improvement, Public Relations and Communications, Chemists with Disabilities, International Activities, Professional Training, Women Chemists Committee, Younger Chemists Committee, and Nomenclature, Terminology and Symbols and expects to seek Council approval in San Diego on recommendation for the continuance of the Committee on Project SEED. The committee will also develop recommendations for 2013 committee chairs and membership for the Standing, Joint Board-Council, and Other Committees of Council.

ConC will hear a report from the Senior Chemist Task Force for ConC's consideration of making a recommendation to Council that the task force be granted full-committee status.

The committee is collaborating with CPC on the New Councilor Orientation on Saturday, March 24, 2012 from 3:30 – 6:45 p.m.

There will be an interactive session for the chairs of all Council-related committee chairs on Monday, March 26, from 4:30 – 6:00 p.m.

Les W. McQuire, 2011 Chair

Dawn A. Brooks, 2012 Chair

Mr. Flint H. Lewis  
Secretary, American Chemical Society  
1155 Sixteenth Street, NW  
Washington, DC 20036

Dear Mr. Lewis:

I propose the following MEMBERS for consideration by the Committee on Committees for service on the following committees for 2013:

**Standing Committees (Appointed by the President)**

Constitution and Bylaws (C&B)

\_\_\_\_\_

Divisional Activities (DAC)

\_\_\_\_\_

Economic and Professional Affairs (CEPA)

\_\_\_\_\_

Local Section Activities (LSAC)

\_\_\_\_\_

Meetings and Expositions (M&E)

\_\_\_\_\_

Membership Affairs (MAC)

\_\_\_\_\_

**Other Committees (Appointed by the President)**

Analytical Reagents (CAR)

\_\_\_\_\_

Ethics

\_\_\_\_\_

Nomenclature, Terminology and Symbols (NTS)

\_\_\_\_\_

Project SEED (SEED)

\_\_\_\_\_

Technician Affairs (CTA)

\_\_\_\_\_

**Society Committees (Appointed by the President and Board Chair)**

Budget and Finance (B&F)

\_\_\_\_\_

Education (SOCED)

\_\_\_\_\_

**Joint Board-Council (Appointed by the President and Board Chair)**

Chemical Abstracts Service (CCAS)

\_\_\_\_\_

Chemical Safety (CCS)

\_\_\_\_\_

Chemistry and Public Affairs (CCPA)

\_\_\_\_\_

Chemists with Disabilities (CWD)

\_\_\_\_\_

Community Activities (CCA)

\_\_\_\_\_

Environmental Improvement (CEI)

\_\_\_\_\_

International Activities (IAC.)

\_\_\_\_\_

Minority Affairs (CMA)

\_\_\_\_\_

Patents and Related Matters (CP&RM)

\_\_\_\_\_

Professional Training (CPT)

\_\_\_\_\_

Publications (PUBS)

\_\_\_\_\_

Public Relations and Communications (CPRC)

\_\_\_\_\_

Science (ComSci)

\_\_\_\_\_

Women Chemists (WCC)

\_\_\_\_\_

Younger Chemists (YCC)

\_\_\_\_\_

Sincerely,

\_\_\_\_\_(Senders Name)

\_\_\_\_\_(Senders Address)

\_\_\_\_\_(Senders Affiliation)

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

At its fall meeting in Denver, the Committee on Nominations and Elections (N&E) developed slates of potential candidates for President-Elect, 2013; Directors-at-Large, 2013-2015; and Directors from Districts I and V, 2013-2015.

A “President-Elect Nominee Town Hall Meeting” will be held in San Diego on Sunday, March 25 from 4:45 p.m. - 5:45 p.m. This well-attended forum continues to facilitate interaction among the 2013 President-Elect nominees, Councilors and other members using a moderated question and answer format.

In executive session at this meeting, N&E will develop slates of potential candidates for the Council Policy Committee and the Committee on Committees for 2013-2015. As in the past, N&E welcomes suggestions from Councilors of qualified members as potential candidates for all elected ACS offices - please let us hear from you. As an alternative means of communication with N&E, please visit the ACS Web Site at <http://www.acs.org>; under “ACS Governance” click on “Committees” and then select “Nominations & Elections.” At the Council meeting, we will have a staffed N&E table at the rear of the meeting room and N&E Members will also be available at an open meeting on Monday, March 26, from 11:00 a.m. - 12:00 noon, to receive your suggestions.

William H. (Jack) Breazeale, Jr., Chair

## REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance met on Friday and Saturday, December 2 and 3, 2011 to review the Society's 2011 Probable financial performance and consider the 2012 Proposed Operating and Capital Budgets.

The Society is expected to end 2011 with a net contribution from operations of \$20,137,000 or \$6,911,000 favorable to the Approved Budget. After including the Member Insurance Program, the Society's projected net contribution for 2011 is \$20,615,000, or \$7,827,000 favorable to the Approved Budget. With the exception of the Fund Balance Ratio, a measure of reserve adequacy, the Society is projected to end the year in compliance with the Board-established financial guidelines.

Finally, the committee voted to recommend to the ACS Board of Directors that it approve the 2012 Proposed Operating Budget with a projected net contribution of \$15,400,000. The committee also voted to recommend to the ACS Board that it approve the 2012 Proposed Capital Budget of \$31,452,000.

Pat N. Confalone, Chair

## AMERICAN CHEMICAL SOCIETY CALCULATION OF 2013 DUES

**Authorization: Bylaw XIII, Section 3, a:**

"For 1986 the base rate upon which membership dues shall be calculated shall be \$69. For each succeeding year the base rate shall be the dues established for the previous year. For 1986 and each succeeding year, an amount shall be calculated by multiplying the base rate by a factor which is the ratio of the revised Consumer Price Index for Urban Wage Earners and Clerical Workers (Service Category) for the second year previous to the dues year to the value of the index for the third year previous to the dues year, as published by the United States Department of Labor, with fractional dollar amounts rounded to the nearest whole dollar. At its spring meeting, the Council may set the dues for the succeeding year at that calculated amount or at the amount of the previous year's dues or at some intermediate whole dollar amount. Should the Council not act, the dues shall become the rounded calculated amount. The membership dues so determined shall be announced to the membership by the Treasurer of the SOCIETY in the official organ of the SOCIETY six months before the effective date of each change. Members not requesting any of the discounts provided elsewhere in these Bylaws may elect a dues period of one year, two years, or three years. The dues rate for two-year or three-year periods shall be two times or three times, respectively, the full annual dues rate established for the first year of the period. (9/15/09)"

## Calculation of 2013 Dues

- 1) Base rate is 2012 Dues: \$148.00
- 2) Change in Consumer Price Index, Urban Wage Earners, Services Category (CPI-W Services)

December 2011 CPI-W (Services)	262.954
December 2010 CPI-W (Services)	257.382
Change in CPI-W Index	2.16%

3) 2013 Dues, fully escalated	\$148.00 x 1.0216 =	\$ 151.20
<b>2013 Dues, rounded</b>		<b>\$ 151.00</b>

## REPORT OF THE COMMITTEE ON EDUCATION

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

The new ACS strategic plan includes an education goal to "Foster the development of the most innovative, relevant, and effective chemistry education in the world." A working group representing multiple stakeholders contributed to the development of the new education goal.

At its December meeting, the ACS Board of Directors approved three policy statements on the teaching of evolution, visa restrictions, and hands-on laboratory activities. SOCED approved these statements in Denver for consideration by the Committee on Public Affairs and Public Relations.

The National Science Foundation (NSF) awarded ACS \$1,015,277 for the project entitled "Chemistry Challenge Kits and Outreach at Science Festivals for the International Year of Chemistry." The Chemistry Challenge kits are now available for use in middle school classrooms.

The U.S. will be hosting the 44<sup>th</sup> International Chemistry Olympiad (IChO) at the University of Maryland College Park, June 21-30, 2012. Dow has pledged \$2,500,000 as the sole corporate sponsor of this event, which will engage almost 300 of the brightest high school chemistry students from around the globe.

The joint SOCED-DivCHED (Division of Chemical Education) Task Force for the Exploration of a Chemistry Teacher's Association met in December to identify options for creating such an organization. SOCED and the Division of Chemical Education will consider the proposed options in San Diego.

Also in December, the Chemistry Teacher Education Coalition (CTEC) Advisory Board met to provide guidance on the developing CTEC initiative and input into the NSF proposal, which will be submitted in March. CTEC is designed "To actively engage chemistry departments in the preparation of future chemistry teachers."

The SOCED Task Force on Two-Year College Activities will present its recommendations to SOCED in San Diego for ongoing engagement and support of two-year colleges. The Task Force has developed and piloted several initiatives that better serve the needs of the two-year college community.

The SOCED-CPT (Committee on Professional Training) Task Force that is reviewing the recommendations contained within the *Scientific Foundations for Future Physicians* report is organizing symposia on this topic at the Biennial Conference on Chemical Education and the ACS National Meeting in Philadelphia. The symposia will feature presentations on the impact of the proposed changes to medical school admissions and the MCAT, and will highlight curricular innovations that serve the needs of pre-professional students.

The Science Coaches Program involves 119 coach-teacher pairs for the 2011-2012 academic year. Coaches and teachers jointly determine the scope of the partnership, including activities such as lesson planning, demonstrations, and assistance with science projects.

Mary K. Carroll, Chair



## REPORT OF THE COMMITTEE ON SCIENCE

Last fall, the Committee on Science adopted a bold new strategic plan, which is organized around three strategic focus areas: identifying and advancing emerging frontiers in chemical science, national science policy priorities, and recognition of scientific achievements. This new strategic plan aligns well with the recently issued ACS strategic plan, and the committee will continue to work across multiple ACS units to advance its objectives and the goals of the Society.

A key part of ComSci's mission is to catalyze discussion among ACS divisions, committees, and external experts (including the National Academies) to identify emerging multidisciplinary science issues and how ACS can play a greater role in their development and advancement. Towards this goal, ComSci is organizing special Nobel Laureate's forums this year to help identify emerging frontiers in chemical science and engineering. Central to this effort will be exploring new avenues to engage academic, government, and business leaders—from both small and large businesses—around the frontier areas identified.

With its 2011 initiative on “STEM Education Pipeline to Innovation and Entrepreneurship,” ComSci also has been working to develop new platforms to better prepare chemistry graduates for 21<sup>st</sup> Century careers—with emphasis on new career pathways such as technology commercialization and entrepreneurship. ComSci applauds the Society's recent focus on chemical innovation and job growth and the critical role of entrepreneurship, and the committee looks forward to working with other ACS units in this critical area. At the fall 2011 national meeting, ComSci organized a successful session on “Financing Your Intellectual Property for Commercialization” to educate chemical entrepreneurs on critical steps such as IP protection, business plan development, and financing options. And this year, ComSci is holding a first-of-its-kind business plan competition at the spring national meeting for small chemistry-related business startups. Given the current job climate for ACS members, redoubling our support for small businesses is crucial to future job creation and innovation in the chemical enterprise.

ComSci's primary initiative over the past two years, the alternative energy systems project, has focused on four scientific areas: hydrogen, solar, biofuels, and nuclear energy. Successful sessions have been held in three of these areas, with a symposium on biofuels planned for the 2012 spring national meeting. ComSci also has held several sessions on the educational component of alternative energy systems. The committee is currently working to distill the key points from these sessions into specific recommendations.

Last fall, the committee approved and offered suggestions on the renewal of two expiring ACS public policy statements—on scientific integrity and sustainability. Finally, ComSci is working to submit a nomination to the ACS Board of Directors for the Presidential National Medal of Science.

Sadiq Shah, Chair

## **What is your reaction to the proposed topics for the ACS Climate Science Toolkit?**

### Shaping an ACS Climate Science Toolkit

Science and technology were the foundation of the industrial revolution of the 19<sup>th</sup> century. The consequences have profoundly changed society in the developed world and provided the capacity to produce abundant food, shelter, health, and leisure for these populations. Other consequences have been unparalleled advances in science and technology that help us understand and better appreciate our world and our place in it.

Our world, for example, could involve a clear, sunlit day in a park as we feel the warming rays of sunlight and contemplate their effect not only on our skin (as it tans and vitamin D is produced), but also on the leaves of the green plants around us. As the result of a great deal of scientific research, we have learned that the chemistry in those leaves uses carbon dioxide, water, and energy from the sunlight to produce essentially all the food we eat and the oxygen we breathe.

From personal experience, we have learned that our car parked in the sunlight with its windows closed will be almost unbearably hot when we get back to it. The car is acting like a greenhouse, a transparent enclosure that admits the visible rays of the sun that warm the objects inside the greenhouse, but prevents the energy, the warmth, from escaping. This is the most important property of a greenhouse; it decreases the amount of thermal energy leaving it.

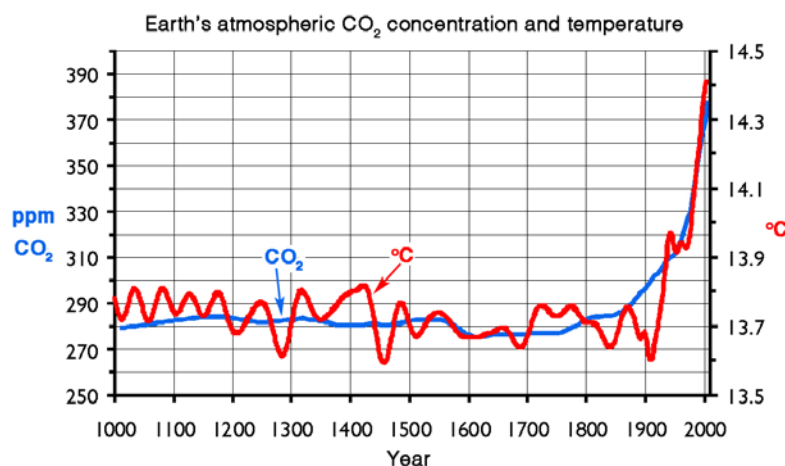
We also know that the terms “greenhouse” or “greenhouse effect” are used to describe how the Earth maintains its average surface temperature several degrees above the freezing point of water and makes life, as we know it, possible—so we can enjoy that balmy afternoon in the park. Early in the 19<sup>th</sup> century, scientists postulated that the Earth’s atmosphere was responsible for this effect. Our two planetary neighbors, Mars and Venus, provide support for this explanation. Mars, with very little atmosphere, is too cold for the life forms we know. Venus, with a very thick (high pressure) atmosphere that is largely carbon dioxide, is even hotter than Mercury, which is closer to the sun—hot enough to melt lead at its surface.

A livable climate is essential for us, so it’s important to have a basic understanding of the atmospheric mechanism that maintains the climate. Because the mechanism is based on fundamental physics and chemistry, scientists, including we chemists, bear a responsibility for understanding climate science ourselves and helping others who are not scientists be attentive to the issues relevant to maintaining the climate. These are the responsibilities that provide the motivation for the ACS Climate Science Working Group appointed by ACS President Bassam Shakhshiri.

The initial task of the Climate Science Working Group is to develop a web-based ACS Climate Science Toolkit that ACS members can use as a resource for understanding basic climate science. For example, almost all chemists have heard about electromagnetic emission from black bodies in the context of the explanation offered by Planck that was one of first steps on the path to our modern quantum mechanical view of the structure of matter. For many of us, this has been the extent of our understanding of black bodies, but to understand climate science, more is necessary. Do we understand that all bodies, including samples of gas, at temperatures above zero Kelvin emit electromagnetic radiation over a range of wavelengths that depends on their temperature? Do we know what these wavelength ranges are? Do we know how this knowledge is relevant to climate science?

These are the kinds of questions the ACS Climate Science Toolkit is being designed to answer. The Climate Science Working Group is previewing part of a very preliminary version of the Toolkit for this ACS Council meeting, as a catalyst for discussion from a broad group of ACS members about what you would want to find in such a resource. To help you focus on this topic as you prepare for the meeting, these are some of the concepts that could be addressed in the Toolkit:

- How is the Earth's energy balance (incoming equals outgoing) maintained?
- How does planetary atmospheric warming, the "greenhouse effect" work?
- What are the characteristics of a "greenhouse gas"?
- Since greenhouse gases are vital to our survival, why has the term taken on such a pejorative connotation?
- How do clouds, aerosols, and the planetary surfaces affect the climate?
- Does the basic mechanism that explains the maintenance of a livable planet explain the data in this plot?



- How are ice cores and paleoclimate indicators (temperature proxies) used to infer climatic conditions and changes in the past? Could any present changes be part of a natural cycle of change the Earth is always undergoing?
- How robust are global climate change indicators?
- What is the evidence that human activity is a cause for global climate change?

As you consider how to help shape the ACS Climate Science Toolkit, please keep in mind that the purpose is to engage the interest and intellect of your ACS colleagues. The Toolkit is to be an accessible resource to enrich previous background knowledge without taking an inordinate amount of time to work through. There is a large amount of excellent information on climate science available in both print and electronic form. The ACS Climate Science Toolkit is being designed to extract from this information fundamental understandings to guide our members. Your input to this discussion will help make the guide as valuable as possible. You can add also your input at [climatescience@acs.org](mailto:climatescience@acs.org).

## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The official attendance at the 242nd ACS National Meeting in Denver, CO totaled 10,034. The Exposition in Denver had 412 booths and 273 exhibiting companies and exceeded projected revenue.

The Committee on Meetings and Expositions (M&E) agreed to offer registrants a refund if they were unable to attend the meeting in Denver due to flight cancellations because of Hurricane Irene. The lost revenue totaled approximately \$53,000, which ACS recouped through an insurance claim.

The sustainability efforts that M&E put forth resulted in ACS being awarded the PCMA Capital Chapter Green Award for the implementation of green policies and practices that lessen the environmental impact. The award was presented on November 9 and an article regarding this honor appeared in the December 5<sup>th</sup> issue of *C&EN*.

The Outstanding Regional Meeting Award went to the **61st Southeastern Regional Meeting**. More than 1,300 participants attended the 2009 Southeastern Regional Meeting in San Juan, P.R. The meeting culminated with the 4th annual Festival de Química, which attracted an additional 500 community participants.

M&E initiatives in San Diego will include:

- Expo Workshops on Expo Floor - allows increased attendance and increased traffic on the expo floor. It will also allow the participating exhibitors to host one-on-one sessions after their presentations or have interested parties meet them at their booth after the sessions. All exhibitors were extremely happy that this change was made.
- Hosting Virtual Career Fair and Exposition
- Continued Monitoring of Green Meeting Initiatives, including a second attempt to achieve a Zero-Landfill Event at SciMix
- A Continuation of our Partnership with Clean the World Organization - to collect gently used soaps from hotel rooms and donate them to help eliminate diseases in developing countries.
- Sponsoring Twitter Board/Twitter Contest
- Sponsoring Video Contest – making it more broadly defined for use in future advertisements
- Implementing Digital Program Upgrades – symposia and abstract titles will link to full abstract, offering sponsorship options to exhibitors (revenue) and developing a QRCode to link Digital Program on structures

William R. Oliver, 2011 Chair  
Dee Ann Casteel, 2012 Chair

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

The Division of Fuel Chemistry (FUEL) and the Division of Petroleum Chemistry (PETR) combined effective December 31, 2011. The name of the new division is The Division of Energy and Fuels (ENFL).

Effective with the Council vote in Denver in August, 2011, the then-probationary Division of Catalysis Science and Technology (CATL) was given permanent status as a division of the Society.

At the Denver meeting, DAC approved 10 Innovative Project Grant (IPG) proposals totaling \$69,475. At the San Diego national meeting, DAC will consider additional IPG proposals. Currently, approximately 75% of IPG proposals are approved. While that percentage is subject to change, it suggests that divisions ought to seriously consider submitting worthy proposals for DAC consideration.

DAC was updated by staff on the new software program, known as FORMS, that divisions are required to use to submit their annual administration and financial reports. DAC was pleased to learn that a number of improvements to the program were implemented in advance of the next reporting cycle.

Operating as a DAC subcommittee, the Multidisciplinary Program Planning Group, in concert with ACS divisions, has selected the following themes for upcoming national meetings:

- For the Spring 2012 meeting in San Diego: *Chemistry of Life*.
- For the Fall 2012 meeting in Philadelphia: *Materials for Health and Medicine*.
- For the Spring 2013 meeting in New Orleans: *Chemistry of Energy and Food*.
- For the Fall 2013 meeting in Indianapolis: *Chemistry in Motion*.

John M. Pochan, Chair

## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

Although the overall percentage of unemployed people in the U.S. has gone down in recent months (from an all-time high of 10.0% in Oct 2009 to 8.5% in December 2011), the 2011 unemployment figures from the Bureau of Labor Statistics (BLS) for people classified as “Chemists and Materials Scientists” has increased significantly (4.5% for 2009, 3.1% for 2010, 6.1% for 2011, unpublished figures, BLS annual averages). In related occupations, the 2011 annual average figures for chemical engineers (3.6%) and chemical technicians (5.1%) are not as dramatic, but still troubling. Preliminary analysis of ACS survey data from the March 2011 Comprehensive Salary Survey indicates that the most likely source of this increase is large numbers of postdocs moving to the ranks of the unemployed. At this time, analysis is not complete, so further details will be provided in the oral report to Council.

The Committee on Economic and Professional Affairs (CEPA) is understandably concerned about this countercurrent trend in chemical employment and will continue to work to support the career objectives of our members, and your ideas and collaborations are welcome.

During the last ACS National Meeting in Denver, the joint proposal from CEPA and the Committee on Corporation Associates regarding the ACS Entrepreneurial Initiative (EI) was approved for funding by the ACS Board of Directors. The Board has since provided additional guidance on the components of the Initiative and both the Entrepreneurial Training Program and the Entrepreneurial Resource Center are online. Applications from aspiring entrepreneurs who are members of the Society will be accepted through the EI website ([www.acs.org/ei](http://www.acs.org/ei)) through March 15<sup>th</sup>. We are planning to announce the first group of inductees into the training program and resource center no later than April 2<sup>nd</sup>. Members of the Entrepreneurial Initiative Advisory Board (EIAB) will also be announced at the upcoming ACS National Meeting.

On December 1, 2011, the Board Committee on Public Affairs & Public Relations adopted the policy statement recommended by CEPA on retirement security. This statement has been posted under the “Science Education & Workforce” section of the ACS website ([www.acs.org/policy](http://www.acs.org/policy)). The policy statement urges Congress to reduce the regulatory complexity of 401(k) plans available to small business owners and promote faster vesting and more portable retirement plans.

Building on the successful implementation of a hybrid career fair during the ACS National Meeting in Denver, CEPA and ACS Careers will once again offer a hybrid environment for job seekers and employers at the San Diego meeting. Job seekers and employers will be able to interact both in person and online, through our traditional and virtual environments. Coupling our traditional career fair with a virtual environment enables greater participation by all parties involved regardless of geographic location and/or travel restrictions. Additional participation by virtual exhibitors as well as streaming webcasts has been enabled for this event. To find out more, visit [www.acs.org/vcf](http://www.acs.org/vcf).

Finally, it should be noted that the Chemical Professionals Code of Conduct is up for action at this meeting. The revised document is included for your review.

Lisa M. Balbes, Chair

January 26, 2012

Dear Fellow Councilor:

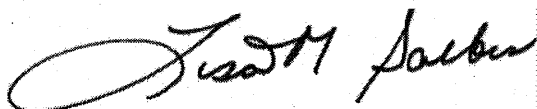
The Committee on Economic and Professional Affairs (CEPA) is submitting for Council approval a revision of the Chemical Professional's Code of Conduct. It contains updates to the current version, which was last revised in 2007.

A draft was written during the past year by CEPA's Subcommittee on Standards and Ethics, after requesting and incorporating comments received from the Chemists with Disabilities, the Committee on Environmental Improvement, the Committee on Minority Affairs, the Younger Chemists Committee, the Committee on Chemistry and Public Affairs, the Committee on Public Affairs and Public Relations, and the Committee on Chemical Health and Safety.

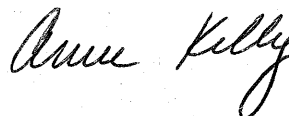
The draft was submitted for Council consideration at the Denver National Meeting last August and was approved by ACS legal counsel.

We seek your approval for this next edition of the Chemical Professional's Code of Conduct.

Sincerely yours,



Lisa Balbes  
Chair, Committee on Economic and  
Professional Affairs



Anne M. Kelly  
Chair, CEPA Subcommittee on Standards  
and Ethics

# The Chemical Professional's Code of Conduct

The American Chemical Society expects its members to adhere to the highest ethical standards. Indeed, the Federal Charter of the Society (1937) explicitly lists among its objectives "**the improvement of the qualifications and usefulness of chemists through high standards of professional ethics, education and attainments...**" The chemical professional has obligations to the public, to colleagues, and to science.

"The Chemist's Creed," was approved by the ACS Council in 1965. The principles of The Chemist's Code of Conduct were prepared by the Council Committee on Professional Relations, approved by the Council (March 16, 1994), and replaced "The Chemist's Creed". They were adopted by the Board of Directors (June 3, 1994) for the guidance of Society members in various professional dealings, especially those involving conflicts of interest. The Chemist's Code of Conduct was updated and replaced by The Chemical Professional's Code of Conduct to better reflect the changing times and current trends of the Society in 2007. It was approved by Council on March 28, 2007 and adopted by the Board of Directors on June 2, 2007. This revision incorporates minor changes and was approved by Council on ---- and adopted by the Board of Directors on ----

## Chemical Professionals Acknowledge Their Responsibilities

### To the Public

Chemical professionals have a responsibility to serve the public interest and safety and to further advance the knowledge of science. They should actively be concerned with the health and safety of co-workers, consumers and the community. Public comments on scientific matters should be made with care and accuracy, without unsubstantiated, exaggerated, or premature statements.

### To the Science of Chemistry

Chemical professionals should seek to advance chemical science, understand the limitations of their knowledge, and respect the truth. They should ensure that their scientific contributions, and those of their collaborators, are thorough, accurate, and unbiased in design, implementation, and presentation.

### To the Profession

Chemical professionals should strive to remain current with developments in their field, share ideas and information, keep accurate and complete laboratory records, maintain integrity in all conduct and publications, and give due credit to the contributions of others. Conflicts of interest and scientific misconduct, such as fabrication, falsification, and plagiarism, are incompatible with this Code.



## To Their Employer

Chemical professionals should promote and protect the legitimate interests of their employers, perform work honestly, ~~and~~ competently, comply with safety policies and procedures, fulfill obligations, and safeguard proprietary and confidential business information.

## To Their Employees

Chemical professionals, as employers, should ~~treat subordinates with respect for their professionalism~~ respect the professionalism of their subordinates and have concern for their well-being, without bias. Employers should provide them with a safe, congenial working environment, fair compensation, opportunities for advancement, and ~~proper acknowledgment of~~ properly acknowledge their scientific contributions.

## To Students

Chemical professionals should regard the tutelage of students as a trust conferred by society for the promotion of the students' learning, ~~and~~ professional development, and safety. Each student should be treated fairly, respectfully, and without exploitation.

## To Associates Colleagues

Chemical professionals should treat associates with respect, ~~regardless of the level of their formal education~~, encourage them, learn with them, share ideas honestly, and give credit for their contributions. Chemical professionals should carefully avoid any bias based on national origin, religion, gender, race or other personal attributes. They should show consistent respect to colleagues, regardless of the level of their formal education and whether they are from industry, government or academia, or other scientific and engineering disciplines.

## To Their Clients

Chemical professionals should serve clients faithfully and incorruptibly, respect confidentiality, advise honestly, and charge fairly.

## To the Environment

Chemical professionals should ~~strive to understand and anticipate the environmental consequences of their work. They have a responsibility to minimize pollution and to protect the environment.~~ do their work in ways that are safe for both the environment and for the health of all who may be affected. They have a responsibility to understand the health, safety and environmental impacts of their work, to recognize the constraints of limited resources, and to develop sustainable products and processes that protect the health, safety, and prosperity of future generations.

## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities hosted the local section track of the ACS Leadership Institute on January 20-22 in Fort Worth, TX. All incoming chairs-elect, as well as other interested local section officers were invited to attend this important training. Approximately 130 local section representatives from 111 sections (out of 187) attended the Institute. ACS Student Member chapter leaders also participated in the local section track as well as other tracks to experience the leadership training offered by the ACS.

LSAC is pleased to report the following progress since the Denver meeting:

- LSAC hosted a webinar on October 19<sup>th</sup> to prepare 2012 chair-elects and other 2012 leaders for their term in office. The audio and transcript of the call can be found at [www.acs.org/getinvolved](http://www.acs.org/getinvolved) (Click on local sections and then Training and Support).
- All 2011 local section chairs received a Past Chair pin and a letter from the committee recognizing their efforts as chair.
- ACS Leadership Development System courses were hosted by seven local sections to provide their members with skills that can be used in both their volunteer and professional roles. LSAC provided the funding for these courses. Several courses are being planned by local sections for 2012 using the grant program. (Professional Development focus)
- LSAC continues to monitor the development of the Forms Online Reporting Management System (FORMS) which is used to collect annual reports. Enhanced functionalities such as the ability to copy an event, a character counter for each field and a downloadable financial template have been added to the system for the 2011 reporting period. Sections have been entering their reports since November of 2011. The early users of the system for the 2011 annual report submission period helped to further refine the technology. Training and informational webinars were held in November, December and January to provide additional guidance.
- The Bridging the Gap: Member Retention Nano-Grant deadline is March 12, 2012. This \$250 nano-grant seeks to encourage ACS Local Sections to develop/conduct new activities that show the value of ACS membership to its members, especially those members who joined the society in the last five years. The application and more information can be found at [www.acs.org/getinvolved](http://www.acs.org/getinvolved).

The “Local Section Innovative Projects Grant Program” (IPG), now in its 9<sup>th</sup> year, continues in 2012. Local sections are encouraged to submit proposals for the June 30<sup>th</sup> deadline. Program information and grant applications are available at [www.acs.org/getinvolved](http://www.acs.org/getinvolved) (click on Local Section Volunteer Resources and then Funding and Financials). Forty-four grants were funded in 2011.

Lee H. Latimer, Chair

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The Committee on Membership Affairs (MAC) is pleased to report that as of December 31, 2011 the Society had 164,215 members, the highest membership number in ACS history, and 1,104 more members than last year. Increases in undergraduate student and international members accounted for much of the growth. The committee continues to work with all interested groups within the Society to identify new opportunities to attract and retain members. MAC is especially focused on efforts retain current ACS members by promoting the many member benefits and services.

Based on recommendations from the Board-Presidential Task Force on Society Services and Associated Dues Pricing Models and the ACS Board of Directors Financial Planning Retreat, MAC was asked to:

- Explore the creation of an international affiliate category that would not be included in the membership count and would have limited benefits.
- Review different indices for the dues escalator calculation.
- Consider changing Bylaw XIII to enable flexibility in dues calculations that set the CPI as the minimum threshold for the automatic dues escalator.
- Consider strategies for recruiting groups of members rather than one member at a time.

MAC is proceeding with discussion and consideration of these recommendations.

The most recent Chemistry Teacher Association Task Force report will be reviewed in San Diego. MAC is working with the Society Committee on Education, Division of Chemical Education, and representatives from Local Section Activities to address the needs of high school teachers and strengthen their ties to ACS.

In an effort to learn more and better serve members and prospective members, MAC is anticipating a report from the ACS Member Services call center staff. This is the office to which all new member applicants and renewing members are referred for questions about dues, membership categories, subscriptions, division membership, contributions, login/password/ACS ID difficulties, and, more recently, the submission of abstracts for technical meeting papers for presentation at ACS meetings. MAC hopes to establish a formal channel of direct communication between calls coming in to Member Services and the committee to learn of trends in member requests, challenges, and needs.

The Membership Affairs Committee has submitted a petition for action in San Diego - the Petition on Market Data Collection. This was the first step in a phased response to the recommendations from the ACS Board-Presidential Task Force on Society Services and Associated Dues Pricing Models. This petition seeks to add a provision to allow for controlled market testing to collect data before the SOCIETY changes benefits, dues, or membership categories. It is important to note that the proposed bylaw does not change permanently any dues or membership categories. The testing authorized by this petition is limited to a maximum period of three years and a quantity no greater than 10% of the membership. The primary purpose of testing is to determine how best to attract new members to the Society. Data gathered from the testing will be provided annually to Council.

The goal of this petition is to provide data as the basis for recommendations to Council. This petition does not change the petition process for bylaw consideration or action to change membership or dues categories.

Some examples of the types of potential market tests that MAC has in mind are:

- Special offers of discounted membership to attendees at other society's meetings/exhibits (such as the offer that the Royal Society of Chemistry makes to ACS members at ACS national meetings)
- Offering small percentage discounts to all members for payment of multi-year dues
- Offering 15 months of membership for the price of 12 to new students members who join

The Membership Affairs Committee believes that this bylaw is important and necessary in the future as we seek to maintain ACS as an expansive, inclusive, and sustainable Society.

Wayne E. Jones, Chair

**ALTERNATE VERSION**

**FOR ACTION**

**Petition on Market Data Collection**

**Bylaw XIII, Sec. 3**

**Petition**

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

**ALTERNATE**

**VERSION**

**FOR**

**COUNCIL**

**ACTION**

**BYLAW XIII**

**Finances**

**Sec. 3**

**m. The Committee on Membership Affairs may conduct membership recruitment and retention market testing of SOCIETY memberships, services and benefits, including special dues categories, to provide data as the basis for recommendations to the Council. The number of individuals included in any test related to dues discounts shall not exceed a number equal to 10 percent of the total membership. Each test shall be limited to three years' duration unless granted prior approval by Council. All test results will be reported to the Council at least once a year.**

**Explanation**

In March 2010, the ACS Board and President established the ACS Board-Presidential Task Force on Society Services and Associated Dues Pricing Models. The Task Force was charged with reviewing and making recommendations based on member input related to any concerns, questions, and/or suggestions that they had in these areas. In seeking member input, the Task Force relied on three main sources:

- Actual input from Divisions, Committees, Local Sections and individual members
- Results from the 2010 ACS Membership Satisfaction Survey and,
- Information as to why the Society loses over 20,000 members per year - almost 11.5%

Based on the findings from these sources, the Task Force proposed the following recommendations:

- Allow for test marketing of membership concepts
- Review the dues escalator
- Minimize dues category information within the Society Bylaws
- Consider permitting institutional memberships

The SOCIETY has historically changed bylaws without the benefit of test data. This petition seeks to add a provision to allow for the recommended controlled market testing to collect data before the SOCIETY changes benefits, dues, or membership categories.

The proposed bylaw does not in itself change permanently any dues or membership categories. Any new membership or special dues categories will continue to be submitted to Council for consideration and approval via the bylaw petition process just as they are now.

Signed:

Rita R. Boggs  
Merle I. Eiss  
Jacqueline A. Erickson  
Mark D. Frishberg  
Warren D. Hull, Jr.  
Wayne E. Jones, Jr.

Jetty Duffy-Matzner  
Zaida C. Morales Martinez  
Jason E. Ritchie  
Herbert B. Silber  
Paul J. Smith  
Peter Zarras

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

**\*Committee having primary substantive responsibility**

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

Given the uncertain number and duration of the membership recruitment and retention market tests and the potential variability in the cost of each test, the Society Committee on Budget & Finance cannot assess with reasonable accuracy the range of potential costs resulting from the implementation of this petition.

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

The Committee on Constitution and Bylaws (C&B) received from the Committee on Membership Affairs, on behalf of petitioners, a revised version of the petition that includes additional new language aiming to address C&B's concerns by including limits on the size and length of tests. C&B made additional editorial changes to clarify the wording.

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

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

Harmon B. Abrahamson  
Chair

- - -FOR INFORMATION AND REFERENCE ONLY- - -

**O R I G I N A L**

**FOR CONSIDERATION**

**Petition on Market Data Collection**

**Bylaw XIII, Sec. 3**

**Petition**

We, the undersigned Councilors of the American Chemical Society, hereby petition to amend the SOCIETY Bylaws as follows (additions **underlined**):

**BYLAW XIII**

**Finances**

**Sec. 3**

**m. The Committee on Membership Affairs acting for Council may authorize controlled market testing of SOCIETY memberships, services and benefits, including limited special dues categories, to provide data as the basis for recommendations to the Board of Directors and the Council.**

**Explanation**

In March 2010, the ACS Board and President established the ACS Board-Presidential Task Force on Society Services and Associated Dues Pricing Models. The Task Force was charged with reviewing and making recommendations based on member input related to any concerns, questions, and/or suggestions that they had in these areas. In seeking member input, the Task Force relied on three main sources:

- Actual input from Divisions, Committees, Local Sections and individual members
- Results from the 2010 ACS Membership Satisfaction Survey and,
- Information as to why the Society loses over 20,000 members per year - almost 11.5%

Based on the findings from these sources, the Task Force proposed the following recommendations:

- Allow for test marketing of membership concepts
- Review the dues escalator
- Minimize dues category information within the Society Bylaws
- Consider permitting institutional memberships

The SOCIETY has historically changed bylaws without the benefit of test data. This petition seeks to add a provision to allow for the recommended controlled market testing to collect data before the SOCIETY changes benefits, dues, or membership categories.

Signed:

Rita R. Boggs  
Merle I. Eiss  
Jacqueline A. Erickson  
Mark D. Frishberg  
Warren D. Hull, Jr.  
Wayne E. Jones, Jr.

Jetty Duffy-Matzner  
Zaida C. Morales Martinez  
Jason E. Ritchie  
Herbert B. Silber  
Paul J. Smith  
Peter Zarras

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

**\*Committee having primary substantive responsibility**

### **PRELIMINARY STATEMENT OF FINANCIAL IMPACT**

The financial implications of this petition are still being assessed. The Final Statement of Financial Impact will be available per Article XVIII, Sec. 2, d, which states in part, "The Chair of the Society Committee on Budget and Finance shall prepare a financial impact statement which also shall appear in the Council agenda when action is to be taken on the petition."

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

The Committee on Constitution and Bylaws (C&B) has reviewed the petition and finds it to be legal and consistent with other provisions of the Society's documents. This petition seeks to add a provision to allow for controlled market testing in order to collect data before the SOCIETY changes benefits, dues, or membership categories. However, C&B is concerned that there are no stated limits to market testing, either in scope or duration. There appears to be no precedent in the SOCIETY's documents for allowing a Council Committee to override the Bylaws by setting dues and other member benefits without stated limits. There is also no provision to report to the Board on a yearly or other stated time period.

Comments and suggestions from committees, petitioners and other interested members on the substance of the petition should be directed to the Committee on Membership Affairs, which has primary substantive responsibility for the petition. Other comments and suggestions may be directed to the Committee on Constitution and Bylaws.

Dr. Harmon B. Abrahamson  
Chair



## REPORT OF THE COMMITTEE ON CONSTITUTION AND BYLAWS

The Committee on Constitution and Bylaws (C&B), acting for the Council, issued certified bylaws to the Divisions of Business Development and Management, Catalysis Science and Technology, Cellulose and Renewable Materials, Computers in Chemistry, and the new Division of Energy and Fuels, and to these local sections: Auburn, Central North Carolina, Kentucky Lake, Middle Georgia, Permian Basin, and Puerto Rico. Since the last meeting in Denver, C&B also reviewed proposed bylaw amendments and submitted preliminary reports to one division and five local sections. In 2011, C&B certified a record 28 bylaws. Here's a breakdown of bylaws certified in previous years: 16 in 2010, 11 in 2009, 12 in 2008, 20 in 2007, 12 in 2006, 7 in 2005, 7 in 2004, 5 in 2003, 7 in 2002, and 5 in 2001. We attribute this increase to the following: more units want their bylaws to permit electronic balloting; the recent change in membership categories; we increased the number of C&B subcommittees doing reviews; and we went from a paper-based operation to certifying bylaws via email.

The online version of the ACS Governing Documents (Bulletin 5), at [www.acs.org/bulletin5](http://www.acs.org/bulletin5), has been updated as of January 1, 2012 with changes approved by the Council in Denver and by the Board of Directors at their December meeting.

The following petitions will be presented for Action at this Council meeting:

- **Petition on Market Data Collection** (green sheets)
- **Petition to Amend Recorded Vote Request Procedure** (green sheets)

The following petitions will be presented for Consideration at this meeting:

- **Petition on Candidate Comment in C&EN** (yellow sheets)
- **Petition on International Chemical Sciences Chapters Funds** (yellow sheets)

Written arguments of opponents or proponents of the petitions for consideration should be submitted by **April 27** to [bylaws@acs.org](mailto:bylaws@acs.org).

New petitions to amend the Constitution and/or Bylaws must be received by the Executive Director by **May 2**, to be included in the Council agenda for the fall 2012 meeting in Philadelphia, PA.

For those divisions and local sections that need to update their bylaws, please request a Word document of your current bylaws and submit proposed bylaw amendments and/or questions to [bylaws@acs.org](mailto:bylaws@acs.org). Helpful information can be found at the website address given above.

ACS members are invited to attend the committee's open meeting on Sunday, March 25, from 1:00 to 1:30 pm, at which the committee will discuss the issues on its agenda and any other matters that Councilors and other members may wish to discuss with C&B.

Harmon B. Abrahamson, Chair

**ORIGINAL**

**FOR CONSIDERATION**

**Petition on Candidate Comment in C&EN**

**Bylaw V, Sec. 13, c**

**Petition**

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

**BYLAW V**  
**Manner of Election**  
**Sec. 13.**

*Fair Election Procedures*

All elections and election campaigns for office in the SOCIETY, its Local Sections, and its Divisions shall be carried out according to the following:

...

b. If space in a SOCIETY, Local Section, or Division publication, other than a paid advertisement at commercial rates, be used to support or to oppose the candidacy of an individual, space must be made available simultaneously and equally to support or to oppose the candidacy of every other candidate for the same office.

**c. A candidate for election to the Board of Directors may not publish an ACS Comment in C&EN six months before the ballots are mailed for the corresponding election.**

...

[FYI: the current subsection c would be renumbered d and subsequent subsections would be renumbered accordingly.]

**Explanation**

The present Bylaws [V, Sec.13, b] state that

If space in a SOCIETY, Local Section, or Division publication, other than a paid advertisement at commercial rates, be used to support or to oppose the candidacy of an

individual, space must be made available simultaneously and equally to support or to oppose the candidacy of every other candidate for the same office.

However, recently the Committee on Nominations and Elections (N&E) arbitrarily modified these guidelines by declaring that it is permissible for candidates who are holding ACS office to have written remarks before the election in ACS publications if it directly relates to the customary official duties of that particular incumbent and their involvement in it. Consequently, C&EN published in August 2011 ACS Comments, from candidates up for reelection within two months of the election, even two for one of them.

Various ACS officials traditionally publish ACS Comments in C&EN to discuss important activities that were, are or should be carried out by committees and task forces. They contain 800-900 words with the picture of the authors. However, they always carry a standard disclaimer: **“Views expressed on this page are those of the author and not necessarily those of ACS.”** If they represent the views of a candidate, who also have a 750 word statement published in C&EN, such a Comment published in the official organ of Society with the picture of the incumbents constitutes an unfair campaign advantage so close to the election. Petitioners are fully aware that the content of the Comment may represent official ACS views and it may be time dependent. However, if this is the case, it is the result of a committee or a task force and it can be published with the same outcome by another Board or committee member not up for election. It is the content, which is important not who writes it.

Signed:

Sandra J. Bonetti	N. Bhushan Mandava
John K. Borchardt	John L. Massingill, Jr.
Bela S. Buslig	Attila Pavlath
Allan M. Ford	Carmen Scholz
Stan S. Hall	E. Thomas Strom
James A. Hammond	Darrell G. Watson
Sheila (Sushila) Kanodia	Don B. Weser

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

**\*Committee having primary substantive responsibility**

### **PRELIMINARY STATEMENT OF FINANCIAL IMPACT**

The financial implications of this petition are still being assessed. The Final Statement of Financial Impact will be available per Article XVIII, Sec. 2, d, which states in part, “The Chair of the Society Committee on Budget and Finance shall prepare a financial impact statement which also shall appear in the Council agenda when action is to be taken on the petition.”

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

The Committee on Constitution and Bylaws (C&B) has reviewed the petition and finds it to be legal and consistent with other provisions of the Society’s documents. This petition seeks to restrict

candidates for election to the Board of Directors from publishing comments in C&EN for a six-month period prior to the mailing of the election ballot. However, there seems to be good reason to expand this restriction to include candidates for the office of President-Elect. In addition, if such a candidate currently holds another position, such as Chair of the Board of Directors, such a restriction might prohibit them from doing their duty on behalf of the Society.

The Committee on Nominations and Elections (N&E) has campaign guidelines that are available on the Society's website. The guidelines that pertain to this petition are reproduced here for your convenience.

### **Campaigning by Incumbents**

**Incumbents** – those who hold office as an ACS Board member, as a member of the Presidential Succession, as chair of an ACS Board or Council committee – face particular challenges in balancing their official duties with the duty to campaign fairly. Appearances and oral or written remarks before the electorate, and coverage in ACS publications of their involvement in certain ACS activities or remarks/reports, often accompany the exercise of their official ACS duties. However, if abused, these functions and their resulting coverage could constitute an unfair campaign advantage. N&E has determined that it is permissible for a candidate who holds ACS office to engage in these activities, and for there to be references to the individual's involvement in these activities in ACS publications, if:

- the activity directly relates to the customary official duties of that particular incumbent and their involvement in it is an appropriate exercise of those duties
- their involvement in the activity is not discretionary, i.e., a substitute could not effectively take their place in the activity
- their involvement in the function is timely and could not reasonably be scheduled before or after the campaign period
- they will neither make nor exhibit any reference to their candidacy or campaign views during the activity.

Rather than putting such a restriction in the Society's Bylaws, it might be better to take this issue up with N&E.

Comments and suggestions from committees, petitioners and other interested members on the substance of the petition should be directed to the Committee on Nominations and Elections, which has primary substantive responsibility for the petition. Other comments and suggestions may be directed to the Committee on Constitution and Bylaws.

Dr. Harmon B. Abrahamson  
Chair

**ORIGINAL**

**FOR CONSIDERATION**

**Petition on International Chemical Sciences Chapters Funds**

**Bylaw IX, Sec. 4**

**Petition**

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

**BYLAW IX**

**International Chemical Sciences Chapters**

**Sec. 4.**

An International Chemical Sciences Chapter shall receive no allotment of funds from the SOCIETY and shall not be entitled to elected representation on the Council. **However, the Board of Directors may allocate funds to a Chapter for a specific SOCIETY activity in which participation of the Chapter is deemed necessary for carrying out that SOCIETY activity effectively.** A Chapter may assess local dues to be expended for its own purposes in harmony with the objects of the SOCIETY. (~~11/18/91~~)

**Explanation**

Recently, the Board of Directors authorized funds for subsidizing the travel of noncouncilor committee members to attend their corresponding committee meetings to support the activities of these committees. This prompts petitioners to renew seeking support for the International Sciences Chapters. An earlier petition was withdrawn because of questions about the Bylaw phrase, i.e. “*shall receive no allotment of funds,*” and because that petition was narrowly focused on travel by Chapter officers to ACS governance meetings. This petition makes the language general by authorizing the Board at its discretion to support a Chapter for a specific activity.

These Units of the SOCIETY provide important links between ACS members living in their area and the SOCIETY. The petition would allow the Board where appropriate to provide funds for the costs for example of videoconferencing or attendance at a Society meeting for which the Board determines that active participation by the Chapter is necessary. This would not be an allotment to or subsidy of any of the Chapters, but would cover the cost of participation by a Chapter in an activity beyond its territory that ACS governance believes is essential.

Signed:

Ned D. Heindel	Attila Pavlath
Roland F. Hirsch	Howard M. Peters
N. Bhushan Mandava	Yorke E. Rhodes
John L. Massingill, Jr.	Keith Vitense
Ingrid Montes	Paul H.L. Walter
E. Ann Nalley	E. Wasserman

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

**\*Committee having primary substantive responsibility**

### **PRELIMINARY STATEMENT OF FINANCIAL IMPACT**

The financial implications of this petition are still being assessed. The Final Statement of Financial Impact will be available per Article XVIII, Sec. 2, d, which states in part, “The Chair of the Society Committee on Budget and Finance shall prepare a financial impact statement which also shall appear in the Council agenda when action is to be taken on the petition.”

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

The Committee on Constitution and Bylaws (C&B) has reviewed the petition and finds it to be legal and consistent with other provisions of the Society’s documents. This petition seeks to clarify that the Board of Directors may allocate funds to international chapters for specific purposes. This added sentence clarifies the difference between an *allocation* for a specific purpose (which the petition seeks to allow) and an *allotment*, which implies (in Society usage) an unrestricted operating subsidy, which is still forbidden by the first sentence of the section.

Comments and suggestions from committees, petitioners and other interested members on the substance of the petition should be directed to the Committee on Membership Affairs, which has primary substantive responsibility for the petition. Other comments and suggestions may be directed to the Committee on Constitution and Bylaws.

Dr. Harmon B. Abrahamson  
Chair

#### A. Chemical Abstracts Service

The Joint Board-Council Committee on Chemical Abstracts Service (also known as CCAS) met twice in 2011 and will meet again at the Spring National Meeting in San Diego. The committee consists of approximately 12 members from both academic and industrial backgrounds, and continues to fulfill its charter by serving as a channel for the flow of information between Society members (and users of CAS services) and the ACS Governing Board for Publications and CAS management, to help assure that each party's needs are researched, recognized and represented.

At both meetings, CAS management provided the committee with an overview of financial performance, product and service news, as well as observations on trends in the marketplace for chemical information. At the fall meeting in Denver, CAS management reported on a milestone for the CAS REGISTRY<sup>SM</sup>. Less than two years after reaching 50 million substances, on May 20, 2011, the CAS REGISTRY database passed the 60 million substance mark. The 60 millionth substance came from a patent application claiming compounds with potential therapeutic activity submitted to the State Intellectual Property Office of the People's Republic of China (SIPO). It was discovered by the Institute of Materia Medica, Chinese Academy of Medical Sciences, which is one of the key drug research institutions in China.

CAS also reported on collaboration with ACS Publications to map the 80 sections of *Chemical Abstracts*<sup>TM</sup> (CA) to tables of contents, abstracts and article-level content displays on the ACS Publications Web Editions platform. Articles across the 39 scholarly research journals published by the Society, including *Journal of the American Chemical Society*, are now tagged with CA section subjects. Incorporation of CA sections enables browsing and discovery of cutting-edge research results from the nearly 500,000 articles published in ACS peer-reviewed journals between 1996 and 2011.

Members were pleased to learn that SciFinder will now be available via an unlimited access academic pricing option, as an alternative to purchasing concurrent access. CAS is phasing in this new option, customized to the size of a school's chemistry and chemical engineering programs, between now and June 2012.

The committee on Chemical Abstracts Service continues to fulfill its responsibilities in a purposeful manner. We look forward to hearing from ACS members and all CAS users as we continue our campaign to communicate the committee's mission. We continue to solicit input from numerous avenues including local sections, colleges and patent users. As a reminder, the CCAS web site can be found on the ACS Member Network where anyone can post feedback and questions for CCAS members to provide input to CAS management.

Spiro D. Alexandratos, Chair

B. Chemical Safety  
(joint with Board)

Recently (but especially in 2011) there has been much public attention to laboratory incidents. The Committee on Chemical Safety (CCS), long involved in laboratory safety, expanded its efforts to focus on the safety culture in academic institutions in response to the growing concern over laboratory incidents. At the Fall Council Meeting in Denver ACS President Nancy Jackson led a well-received discussion “How can the ACS best cultivate a culture of safety in U.S. universities and colleges?” The Safety Culture Task Force worked closely with Dr. Jackson, providing a framework for this discussion.

Later, in October 2011 the U.S. Chemical Safety and Hazard Investigation Board (CSB) released findings from its investigation of the Texas Tech University laboratory explosion. Among many recommendations included in this report, CSB charged the ACS with developing a hazard assessment tool for laboratory research.

And finally, in December 2011 the Los Angeles District Attorney filed unprecedented felony charges against UCLA regents and the principal investigator who managed the research program that resulted in the death of a lab worker from burns received while handling pyrophorics in 2008.

The committee worked very hard to lead ACS in strengthening chemical safety. The following highlights efforts and accomplishments of the Committee on Chemical Safety.

- At Anaheim 2011 meeting, CCS Partnership Subcommittee formed a Safety Culture Task Force (SCTF) and invited partners to join development of guidance for strengthening the safety culture academic institution. Besides CCS members, the SCTF included members from the Society Committee on Education (SOCED), the Committee on Professional Training (CPT), the Division of Chemical Health and Safety (CHAS), and the Young Chemists Committee (YCC).
- The SCTF met in Philadelphia in June 2011 to discuss the elements of strong safety culture. The task force members shared many excellent ideas about how to strengthen the academic safety culture. President Nancy Jackson attended this meeting and offered strong support for this effort. The SCTF provided a two-page summary for inclusion in the minutes of the 2011 Council Meeting in Denver which Dr. Jackson used as basis for opening a discussion of safety culture. SCTF received comments and suggestions from the audience at the Council Meeting, which were considered and when appropriate included in the *Safety Culture in the Academic Institution* document.
- CSB recommended that ACS develop a hazard assessment tool for academic research laboratories – the Board viewed this as a significant safety “gap” in the academic research community. It noted that ACS has been instrumental in establishing laboratory practices, has developed guidelines for safety, and as a non-profit chartered by Congress, has a mission to advance the broader chemistry enterprise. Thus ACS has both an excellent expertise and reputation for this project. CCS will be leading this effort while working closely with the Division of Chemical Health and Safety and the Safety Culture Task Force.
- SCTF members drafted the *Safety Culture in the Academic Institution* document. Comments have been solicited and are being incorporated into a revised draft that will be edited and reviewed by the SCTF and CCS. The document discusses the important elements of a strong academic safety culture and includes recommended actions that can help academic institutions build and strengthen their safety cultures. It also contains examples of “Bright Spots” – those academic institutions that have been using some of the recommended actions to strengthen their own safety cultures.
- A symposium that focuses on recommended actions from *Safety Culture in the Academic Institution* is scheduled for the Fall ACS meeting in Philadelphia.
- The video [‘Safety in the Academic Laboratory: Eye Protection’](http://www.acs.org/safety) was professionally edited and is now available at [www.acs.org/safety](http://www.acs.org/safety).



- The ‘*Image Safety Check list for Photographers and Reviewers*’ was presented to full committee at the Denver Meeting. This check list was designed to eliminate safety issues from images published by the ACS and other organizations too.
- The Safety Practices Subcommittee reviewed numerous ACS educational and outreach materials.
- CCS provided a response to the death of a Yale University student as a result of an incident within a laboratory shop area by drafting a supplement to the publication *Safety in Academic Chemistry Laboratories* on Shop Safety
- Laboratory Chemical & Waste Management Task Force (LCWMTF) met to revise and update two publications – *Less is Better*, and the *Chemical Spills Guide*. *Less is Better* was originally published in 1981; this is the 3rd subsequent revision. The plan has been to produce both web-based and print versions. The most recent prior revision was web-based only. The *Chemical Spills Guide* was produced initially in pamphlet form in 1992. Significant progress has been made on both updates; draft copies will be available by the end of the year, and funding from CCS will allow them to be published in 2012.
- LCWMTF publication *Laboratory Waste Management: A Guidebook* is in the process of being edited by ACS Books. The peer-review process should start soon with a final publication in early 2012.

Lawrence J. Doemeny, 2011 Chair  
Robert H. Hill, Jr., 2012 Chair

C. Chemistry and Public Affairs  
(joint with Board)

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

As we all know, the political environment in Washington is, and will continue to be, challenging. This makes our roles in policy and advocacy challenging as well. CCPA realizes that the science community's "standard" message of increased support for basic research and STEM education needs adjustment in order to respond to the new policy environment. Finding and articulating just the right message that supports our cause and resonates with policymakers is difficult. In October 2011, CCPA members and members of the ACS Board took a new message to the Hill asking for "sustained and predictable funding" for research and STEM education. In addition, the ACS Business Climate policy statement and the planned ACS actions stemming from the *Innovation, Chemistry, and Jobs* report were shared with legislators and their staff.

During the Fall 2011 Denver national meeting, CCPA and the Younger Chemists Committee hosted an event where ACS members learned how to become advocates for science. ACS Office of Public Affairs (OPA) staff explained how the society influences national and state policy and provided tips for planning and executing a successful legislative visit. Sarah Hughes, Deputy Chief of Staff for U.S. Senator Michael Bennett (D-CO), offered an insider's view about building relationships with members of Congress. The event also featured a panel discussion regarding roles of various chemical professionals in government, industry, academia, and ACS on public policy and a question-and-answers session.

CCPA encourages and highlights ACS local section engagement in public policy activities by sponsoring the ACS President's Local Section Government Affairs Award, which is presented at the ChemLuminary Awards Reception. In Denver last year, the Delaware Local Section was recognized for their work with U.S. Senator Ted Kaufman, specifically the facilitation of a Chemical and Engineering News guest comment by the senator on scientific research and education legislation. Delaware leaders also organized a reception for local section members with Senator Kaufman. CCPA's Grassroots Subcommittee is currently working on revising the self-nomination for the ChemLuminary award and on other actions to support and motivate local section and state government affairs committees.

Annually, CCPA selects two congressional fellows and one science policy fellow. Congressional fellows work for a year on Capitol Hill to bring informed scientific perspectives to issues on the agenda. For the 2011-2012 public policy fellowship term, we are pleased to have two highly qualified congressional fellows: Christopher Avery is working in the office of Sen. Christopher Coons (D-DE), where Chris's first assignment was assisting with the Senator's resolution honoring the International Year of Chemistry. Emily Grumbling is serving in the office of U.S. Representative Diana DeGette (D-CO), where she will focus on energy and environment issues. In addition, Brittany Westlake, the ACS science policy fellow, is continuing her fellowship for a second year working with the ACS Office of Public Affairs, where she handles a variety of issues. Interviews for the 2012-13 Congressional Fellows will take place at the spring national meeting in San Diego.

CCPA's Fellowships Subcommittee completed the revision of the selection process and criteria for the ACS Public Policy Fellowship program. The subcommittee has also developed an exit interview questionnaire, which will provide information to facilitate understanding of the fellows' experiences in the program beyond what is found in their final reports.

CCPA's Policy Subcommittee is working to develop a better understanding of agency budget requests and justifications. Their goal for 2012 is to help OPA create a message for agency visits similar to the messaging developed for Hill visits. Trend analysis of 2012 budget submissions to dig out specifics on budget programs and changes will be done for 4 agencies: NSF, NIH, DOD, and DOE.

At our fall meeting, CCPA reviewed, edited and approved the fiscal year 2013 S&T recommendations policy statement draft. Since the policy calendar requires quick turn-around on the budget proposal in February or early March, consideration of this statement serves as CCPA's annual opportunity for substantial, detailed discussion of ACS research and education funding policies. The draft was submitted to the ACS Board of Directors and approved at the Board's December 2011 meeting.

Connie J. Murphy, Chair

D. Community Activities  
(joint with Board)

The Committee on Community Activities (CCA) outreach efforts during the International Year of Chemistry (IYC) were a great success. CCA produced four editions of *Celebrating Chemistry*, our hands-on outreach publication, one for each quarterly topic of environment, energy, materials, and health. ACS members celebrated the last two quarterly outreach topics of materials and health where participation is evidenced by local section reports, web statistics, network activity, and print distribution of the *Celebrating Chemistry* publication. The theme for National Chemistry Week (NCW) was “Chemistry – Our Health, Our Future” and more than 77 percent of local sections participated. Resources provided to local sections included *Celebrating Chemistry*, our hands-on outreach publication which was available in two languages, had a distribution of more than 149,000 copies, “how to” activity videos, educational resources, and more.

CCA will continue its national meeting outreach efforts by supporting the NSF-funded IYC initiative and participating in Expo Day during the San Diego Festival of Science and Engineering. On Saturday, March 24, members of the local sections near San Diego, student member chapters from across the country, and other ACS members will serve as volunteers for this event.

Chemists will Celebrate Earth Day with this year’s theme “Rethinking Recycling – It’s Easy to Be Green!” on April 22, 2012. Ways to be environmentally conscious by using renewable materials and how this relates to green chemistry will be explored. Please contact your local section officers if you would like to volunteer to lead efforts in your local section. Also, National Chemistry Week is October 21 -27, 2012. We are poised to *Celebrate 25 Years of National Chemistry Week* this fall with the topic of nanotechnology.

Lynn Hogue, Chair

E. Environmental Improvement  
(joint with Board)

The Committee on Environmental Improvement (CEI) continues work to enhance ACS sustainability activities. CEI provides grants to local sections engaged in sustainability programming, which are reviewed at each national meeting. In Denver, CEI was pleased to award the inaugural ChemLuminary award to recognize outstanding sustainability programming by a local section to the Syracuse local section in recognition of their very successful sustainability fair and other activities.

In San Diego, CEI will recognize the third class of recipients of the ACS-CEI award for outstanding efforts to integrate sustainability into the chemistry classroom. Moving forward, the award symposium will be an annual activity jointly sponsored by the Division of Chemical Education (CHED) and CEI at the spring national meeting. CEI also has established a new partnership with the SOCED Task Force on Undergraduate Programming to feature the Chemistry and the Environment film series as part of the undergraduate programming at national meetings, which will serve as a model for utilizing chemistry related documentary films in campus programming.

For the second year, CEI partnered with York College in Pennsylvania to support a unique educational opportunity for students to learn more about climate change policy development and to try their hand at communicating science issues to a general public. Five students from York and other universities traveled to Durban, South Africa, between Nov. 28 - Dec. 9, 2011. While there, they attended symposia, lectures, and events, met with other international students to discuss climate issues, and wrote about the news, issues, and perspectives that they encountered. The students posted their blog entries (<http://acsstudents.weebly.com/>) and one placed an opinion piece in the *New Jersey Star Ledger* highlighting to the public the perspectives of a young scientist on climate science and policy.

In Denver, the subcommittee on communications and outreach and other ACS committees launched a web presence highlighting ACS efforts in the area of sustainability. The site has been designed to provide general content on understanding sustainability, information about the role of ACS in sustainability, and member opportunities to become involved in sustainability efforts (via [www.acs.org/sustainability](http://www.acs.org/sustainability)). Moving forward, the committee will be working to involve more members through the website, the ACS Network and other on-line vehicles.

Last year, our subcommittee on public policy drafted revised positions for consideration by the ACS Board concerning sustainability and scientific information and integrity in the public policy arena. The new statements were adopted by the Board in December and can be found on the web. The committee continues to seek partnerships and member input to draft public policy statements. This year, CEI will be working on statements concerning energy, endocrine disruption, and inherently safer technologies.

Martin A. Abraham, 2011 Chair  
Laura E. Pence, 2012 Chair

#### F. Ethics

The ACS Committee on Ethics (Ethics) continues its focus to aggregate, facilitate, and encourage the ACS's ethics programming, education, and awareness.

Resultant to the Ethics' past discussion session with Chemical Abstracts Service (CAS) representatives, CAS has reportedly sent a communication to all of its client academic institutions offering to alter their contracts with CAS to allow walk-in access to SciFinder Scholar.

The 2011 Ethics Chair liaised with the American Geophysical Union (AGU), in particular cautioning the AGU against involvement in adjudication.

The 2012 Ethics Chair attended Sigma Xi's (The Scientific Research Society) the November 2011 Annual Meeting and International Research Conference. The meeting theme was 'The Responsible Researcher: Conscience and Collaboration' and the feature symposium was an 'Ethics Symposium'. The 2012 Ethics Chair began dialog with Sigma Xi leaders to leverage ethics related opportunities of mutual interest to Sigma Xi and ACS.

Programming. Ethics is working with other ACS divisions and committees to co-sponsored symposia at upcoming National meetings in Philadelphia and New Orleans.

Ethics Awareness. Ethics has prepared and indexed, for relevance to chemical professionals, executive summaries for more than 130 case studies from the National Academy of Engineering's Online Ethics Center (OEC). These summaries with links to the OEC case studies are now available on the ACS Network at the 'ACS Ethics Committee' groupsite.

Ethics Education. Now posted on Ethics' website are 15 ethics-related case studies which were prepared and vetted by Ethics members. The case studies included material regarding chemical health and safety, interpersonal dynamics, collecting and managing data, safety and comportment, cheating, dishonesty, and plagiarism. Additional chemical sciences specific case studies are in development and Ethics is working toward adapting these text-based scenarios for multi-media formatted presentation.

David J. Chesney, 2011 Chair  
Gregory M. Ferrence, 2012 Chair

G. International Activities  
(joint with Board)

Through the volunteer efforts of its members and associates IAC is furthering its six areas of strategic focus in service to ACS.

1. Fostering ACS international collaborations furthering chemistry's role in addressing global challenges;
2. Extending the Society's engagements in international education and training;
3. Engaging developing countries in cooperation with partner societies;
4. Assuring support of ACS Science and Human Rights initiatives;
5. Supporting the development and quality of the ACS International Center;
6. Sustaining momentum of International Year of Chemistry beyond 2011;

At the 2012 ACS National Meeting in San Diego, the ACS Committee on International Activities (IAC) is convening symposia on topics which support the committee's strategic interests.

"Inspiring Science Education: Readiness for the Global Enterprise" will be held Monday, March 26, 2012 from 8:35AM – 5:10PM at the San Diego Marriott Marquis & Marina - Marina Ballroom F. The symposium is co-sponsored by PRES, CHED, SOCED. **Description:** Practitioners of chemistry work in a wide range of environments and settings that increasingly require new skills, knowledge, and experiences as national boundaries no longer constrain the discipline. In the shifting context of the scientific workplace—be it academic, industrial or government—employers want students and employees to have a strong chemistry background that is complemented by global competencies including: knowledge and respect of other world regions, peoples, and cultures; familiarity with international and global issues; skills in problem solving and working effectively in global or cross-cultural environments; using information from different global sources; and the ability to communicate in multiple languages. The audience will come away from this symposium with a better understanding of the dynamics and demands of the globalized workplace and how to best prepare themselves and others to be successful and competitive in it, a clearer understanding on current best practices, and ideas on successful implementations.

"Inspiring Science Education: GREETing New Challenges Abroad" will convene Tuesday, March 27, 2012; 8:20AM – 11:50AM at the San Diego Marriott Marquis & Marina - Marina Ballroom F. SOCED is co-sponsoring the event. **Description:** The ACS Global Research Experiences, Exchanges, and Training (GREET) travel award program was created in 2011 to address the need for increased international experiences among U.S. scientists, academics, and students. GREET funds teams of scientist mentors and mentees seeking to develop new collaborations at international host institutions of their choice by providing funding to cover travel costs, living expenses, and supplies. At this half-day symposium, participants will learn more about the ACS GREET program and how to apply for funds. Participants will also hear presentations from the program management and the five 2011 laureate teams who will discuss the current state of their projects, their thoughts on the program, and describe how they used the experience to impact the internationalization of their institutions through their own creative best practices. A new GREET funding round is open through April 10, 2012, and interested teams seeking a new collaboration with an international partner are invited to apply.

IAC warmly invites ACS Councilors to attend.

Judith L. Benham, Chair

#### H. Nomenclature, Terminology and Symbols

The committee continued to monitor developments in the redefinition of the SI (International System) Base Units. Of particular interest to the committee and the SOCIETY are the redefinitions of the kilogram and the mole. The 24<sup>th</sup> quadrennial CGPM (General Conference on Weights and Measures) met in October, 2011. At the meeting, Resolution 1, “On the possible future revision of the International System of Units,” was adopted accepting the proposed “fixed constant” definitions and encouraging further cooperation on their development.

It remains for CODATA (The Committee on Data for Science and Technology) to publish the best, accepted values for the Planck constant (defining the kilogram) and the Avogadro constant (defining the mole). Once available, the fixed values of the constants will be inserted in to the definitions that will be presented for adoption by the next CGPM to be held in 2015.

The committee has continued its reflections upon and consideration of its duties and how they may be more actively pursued.

Peter F. Rusch, Chair



I. Professional Training  
(joint with Board)

At the January 2011 meeting, the Committee on Professional Training (CPT) evaluated 72 periodic reports from currently approved programs. Approval was continued for 40 programs. Twelve programs were asked for more information, and 20 programs were found noncompliant with the guidelines. The committee also reviewed a petition to appeal an action to withhold approval. The total number of colleges and universities offering ACS-approved bachelor's degree programs is 667.

The committee approved an updated supplement to the ACS Guidelines on laboratory safety skills, which is available on the ACS website. The content of this supplement was also reviewed and approved by the ACS Committee on Chemical Safety. The future of the *ACS Directory of Graduate Research (DGR)* was discussed, and the committee decided that the print edition of the *DGR* will be discontinued. The committee drafted a questionnaire to survey the departments listed in the directory and the users of this resource to identify how the online database, DGRweb, could be improved. Preliminary discussions were held to determine if the DGR web model might be adapted to provide a searchable database of research in undergraduate chemistry departments.

The committee made plans for a retreat meeting in the summer of 2012 to initiate discussion of the next edition of the ACS Guidelines for approval of bachelor's degree programs in chemistry. A survey of ACS-approved programs will be conducted to collect data on the impact of the 2008 ACS Guidelines, and CPT approved the questionnaire to be distributed to department chairs this spring. The committee welcomes comments on the ACS Guidelines and approval procedures, which can be sent to [cpt@acs.org](mailto:cpt@acs.org).

The committee also discussed plans for a symposium on the guidelines revision to be held at the Biennial Conference on Chemical Education (BCCE) in the summer of 2012. Plans were finalized for a luncheon meeting with the chairs of PhD-granting chemistry departments scheduled for the spring ACS National Meeting.

Among other actions, CPT refined plans for a pilot study of the new online periodic report submission and review system that is currently under development. The committee drafted its strategic plan for 2012-2014, which is scheduled for approval at the spring meeting. A CPT subcommittee continued discussion of a survey project to understand how chemical literature resources are used in undergraduate education. A questionnaire that would be completed by chemistry department chairs and librarians was revised and discussion will continue at a future CPT meeting.

Cynthia K. Larive, 2011 Chair  
Anne B. McCoy, 2012 Chair

J. Publications  
(joint with Board)

The Joint Board–Council Committee on Publications (JBCCP) met and discussed the following:

The monitoring reports for *Bioconjugate Chemistry*, *ACS Applied Materials & Interfaces*, *Langmuir* and *Chemical Research in Toxicology* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made. The next publications to be monitored in March 2012 are *ACS Chemical Biology*, *Biochemistry*, *Chemistry of Materials*, and *Molecular Pharmaceutics*.

It was announced that upon the Editor Search Committee’s recommendation, the ACS Board of Directors approved the appointment of Dr. Christopher A. Voigt (Massachusetts Institute of Technology) to serve as Editor of the new journal *ACS Synthetic Biology*.

An overview of the Publications Division was presented. It included a report on operational objectives and other operational highlights, new product introductions, technology-based initiatives, and open access developments. After a dedicated 40-year career as Editor-in-Chief of the *Journal of Medicinal Chemistry*, Dr. Philip S. Portoghesi will be retiring from the journal at the end of 2011. Throughout the remainder of the year, the journal will transition to two new Editors, Drs. Gunda I. Georg and Shaomeng Wang, who will assume leadership of the journal in January 2012.

C&EN continues to make important progress in a substantial, across-the-board upgrade of its technological capability to deliver its content through a variety of channels enabled by the C&EN Production Automation Program. The new production workflow system is now fully implemented; the June 27 issue was the first to be produced entirely in the new workflow. Implementation of the new web content and delivery platform for *C&EN Online* is advancing. The first phase of the new platform accompanied by an entirely redesigned *C&EN Online* will be completed by the end of October. Among the important new features of the system will be the ability for readers to comment on all C&EN articles and streamlined delivery of the SCENE newsfeeds to journals.

C&EN Mobile launched with the August 15, 2011 issue. The free app gives readers access on their mobile phone and tablet devices (iPhone, iPad, Android) to all of *C&EN Online* “Latest News” stories and the 10 blogs on the CENTral Science blog network. Readers (members and nonmembers) will be able to download individual issues to their mobile devices for \$2.99 each. Beginning in 2012, ACS members will have subscription access as part of their member benefits, at no additional charge.

The Copyright Subcommittee discussed future programming and outreach for education about copyright, including possible participation in “ACS On Campus” and the “Publishing 101” series. The subcommittee provided feedback and suggestions about current treatment of copyright in those programs.

In open session, the committee reviewed and discussed the Committee on Minority Affairs’ (CMA) request to educate ACS journal editors on issues surrounding implicit bias. All materials from CMA will be sent to the ACS journal editors for their review.

Dr. Kevin P. Gable, 2011 Chair  
Dr. Ned D. Heindel, 2012 Chair

K. Women Chemists Committee  
(joint with Board)

For 2012, the Women Chemists Committee (WCC) is most excited to be celebrating its 85<sup>th</sup> anniversary. As part of the celebration, the committee has planned a number of events to honor and recognize our achievements over the past 85 years, kicking off at the ACS national meeting in San Diego. Most notably is the initiation of the annual WCC Rising Star Award. While recent data show that women are earning ~50% of Bachelor's degrees and ~36% of Doctoral degrees in chemistry, the Commerce Department's Economics & Statistics Administration recently reported that women represent only 24% of STEM (science, technology, engineering, and mathematics) jobholders with only 26% of women with STEM degrees in STEM jobs. To address this important issue, this new WCC award will recognize exceptional mid-career women chemists across all sectors in order to promote the retention of women in science. An all-day symposium is planned on Monday, March 26<sup>th</sup> to highlight the accomplishments of the award winners in the scientific community on a national level. This will be followed by a reception in conjunction with WCC "Just Cocktails," an informal networking function which enables mid-career chemists to leverage their energies and mitigate isolation. The other WCC-sponsored symposium on Sunday afternoon, March 25<sup>th</sup>, will celebrate the contributions of Dr. Yves Chabal, who was honored with the 2012 ACS Award for Encouraging Women into Careers in the Chemical Sciences for dedicated and effective mentoring of women chemists at critical points in their careers.

At the national meeting in Denver, the committee discussed the WCC Women in Industry Breakfast. Over the past several years this breakfast program has expanded from the original focus of addressing issues for women who work in industry to become more of a networking opportunity for women in all sectors of the chemical enterprise. As a result, we have changed the name of this event to the WCC Women in the Chemical Enterprise Breakfast. For the meeting in San Diego, the program will include a panel of well-known women chemists who will discuss the keys to their success.

In addition to the above events, on Tuesday, March 27<sup>th</sup>, the WCC will honor the recipient of the 2012 Garvan-Olin Medal, Dr. Sue Clark, Regents Professor at Washington State University, at the WCC Luncheon. Additionally, the WCC will recognize the recipients of the 2012 spring Eli Lilly Travel Award during the WCC/Eli Lilly Poster Session and Reception, prior to the luncheon. Also, the WCC Open Meeting on Sunday, March 25<sup>th</sup> will feature a panel of successful women entrepreneurs who will speak about their experiences and expertise. This will be followed by a networking reception including the WCC anniversary celebration.

The WCC is excited to be continuing our participation with the Chemical Entrepreneurship Council (CEC), in order to provide the resources and skills necessary for chemists to form sustainable businesses. Plans are underway to provide a workshop at the Middle Atlantic Regional Meeting later this year in order to increase outreach opportunities to our constituents beyond the national meeting venue. The "Lens of the Market" workshop will focus on helping train scientists who wish to develop research solutions to technical problems which they believe can have market relevance.

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

Judith H. Cohen, Chair