

# **AMERICAN CHEMICAL SOCIETY**

## **Council Agenda**

**Wednesday, August 22, 2012  
8:00 AM**

**Grand Ballroom A-F**

**Philadelphia Marriott Downtown Hotel**

**Philadelphia, Pennsylvania**

COUNCIL, AMERICAN CHEMICAL SOCIETY  
8:00 A.M., August 22, 2012  
Philadelphia Marriott Downtown Hotel, Grand Ballroom A-F  
Philadelphia, Pennsylvania

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**DRAFT  
MINUTES  
COUNCIL  
AMERICAN CHEMICAL SOCIETY  
March 28, 2012  
San Diego, California**

The Council of the American Chemical Society met in San Diego, California, on March 28, 2012, beginning at 8:00 a.m. Bassam Z. Shakhshiri, President of the Society and 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, 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, Gordon L. Nelson, Attila E. Pavlath, Elsa Reichmanis, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shakhshiri, Kent J. Voorhees, Edel Wasserman, Marinda Li Wu.

**Bylaw:** M. Elizabeth Derrick, Rigoberto Hernandez, Howard M. Peters, Frankie K. Wood-Black.

**Divisions:** *Agricultural and Food Chemistry*, John W. Finley, Michael J. Morello, Agnes M. Rimando, Sara J. Risch. *Agrochemicals*, Rodney M. Bennett, Jeanette M. Van Emon. *Analytical Chemistry*, Michelle V. Buchanan, M. Bonner Denton, Catherine C. Fenselau, Roland F. Hirsch. *Biochemical Technology*, Arindam Bose, Frederick G. Heineken, Sadettin Ozturk, Weichang Zhou\*. *Biological Chemistry*, Michael D. Burkart, Nicole S. Sampson. *Business Development & Management*, Janet L. Bryant, Michael Hurrey. *Carbohydrate Chemistry*, John R. Vercellotti. *Cellulose & Renewable Materials*, Kevin J. Edgar, Margaret W. Frey. *Chemical Education*, Renee S. Cole, Resa M. Kelly, Laura E. Pence\*. *Chemical Health & Safety*, Robert H. Hill, Jr., Russell W. Phifer. *Chemical Information*, Bonnie Lawlor, Andrea B. Twiss-Brooks. *Chemical Toxicology*, Paul T. Henderson. *Chemistry & The Law*, James C. Carver, Alan M. Ehrlich. *Colloid & Surface Chemistry*, John N. Russell, Jr., Maria M. Santore, Robert D. Tilton, Michael Trenary\*. *Computers in Chemistry*, Rommie E. Amaro\*, Peter C. Jurs, Ralph A. Wheeler. *Energy & Fuels*, Archibald C. Buchanan III, Semih Eser, Lisa Houston\*, Umit S. Ozkan\*. *Environmental Chemistry*, V. Dean Adams, Alan W. Elzerman, Kenneth E. Smith\*. *Fluorine Chemistry*, Donald J. Burton. *Geochemistry*, Yoko Furukawa\*. *History of Chemistry*, Roger A. Egolf, Mary Virginia Orna. *Industrial & Engineering Chemistry*, Martin A. Abraham, Spiro D. Alexandratos, Melanie J. Lesko, Mary K. Moore. *Inorganic Chemistry*, Alan L. Balch, Ana de Bettencourt-Dias, James K. McCusker, Silvia Ronco. *Medicinal Chemistry*, Richard A. Gibbs, William J. Greenlee, David P. Rotella. *Nuclear Chemistry & Technology*, Graham F. Peaslee, Steven W. Yates. *Organic Chemistry*, Huw M.L. Davies, P. Andrew Evans, Donna Huryn, Christopher J. Welch. *Physical Chemistry*, John E. Adams, Paul W. Jagodzinski, Donna J. Minton\*, Ellen B. Stechel. *Polymer Chemistry*, Frank D. Blum, H.N. Cheng, William H. Daly, John Pochan. *Polymeric Materials: Science & Engineering*, Benny D. Freeman, Michael Jaffe, David J. Lohse, Dean C. Webster. *Professional Relations*, John K. Borchardt, Diane G. Schmidt. *Rubber*, John M. Long. *Small Chemical Businesses*, Sharon V. Vercellotti.

**Local Sections:** *Akron*, James E. Dudley, Daryl L. Stein. *Alabama*, Tracy P. Hamilton. *Ames*, Malika Jeffries-El. *Auburn*, Edward J. Parish\*. *Baton Rouge*, Anne K. Taylor. *Binghamton*, Wayne E. Jones, Jr. *Brazosport*, Carolyn Ribes. *California*, G. Bryan Balazs, Michael T.H. Cheng, Sheila Kanodia, Lee H. Latimer, Alex M. Madonik, Eileen M. Nottoli, James M. Postma\*, Paul F. Vartanian. *California Los Padres*, Albert C. Censullo. *Carolina-Piedmont*, Matthew K. Chan, Halley A. Merrell, Jr. *Central Arizona*, Richard C. Bauer, Douglas J. Sawyer. *Central Arkansas*, Martin D. Perry, Jr. *Central Massachusetts*, Christopher Masi. *Central New Mexico*, Donovan R. Porterfield, Steven K. Showalter.

\*Alternate Councilor

\*\*Temporary Substitute Councilor

*Central North Carolina*, Timothy D. Ballard, Robert A. Yokley. *Central Ohio Valley*, Gary D. Anderson. *Central Pennsylvania*, Paul D. Schettler, Jr. *Central Texas*, James E. Boggs, Linette M. Watkins\*. *Central Utah*, Jennifer B. Nielson. *Central Wisconsin*, C. Marvin Lang. *Chattanooga*, Verrill M. Norwood III. *Chemical Society of Washington*, Joseph M. Antonucci, Regina J. Cody, Carol J. Henry, N. Bhushan Mandava, Kim M. Morehouse, John M. Ruth, Robert J. Wiacek\*, Jennifer L. Young, James J. Zwolenik. *Chicago*, Cherlynlavaughn Bradley, Charles E. Cannon, 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, Roger A. Parker. *Cleveland*, David W. Ball, Dwight W. Chasar. *Coastal Georgia*, Will E. Lynch. *Colorado*, Sandra J. Bonetti, Connie Gabel, Susan MacGregor\*, Angela R. Powers, Susan M. Schelble. *Columbus*, Donald C. Songstad\*, Virginia H. Songstad, Jeffrey B. Trent. *Connecticut Valley*, Ronald D. Archer, Kevin M. Shea, Julianne M.D. Smist, Frank J. Torre, Ronald J. Wikholm. *Cornell*, Thomas A. McCarrick. *Corning*, Roger F. Bartholomew. *Dallas-Fort Worth*, Linda D. Schultz, E. Thomas Strom, Angela K. Wilson. *Dayton*, Steven Trohalaki. *Delaware*, John Gavenonis, Tiffany N. Hoerter, Martha G. Hollomon, Margaret J. Schooler. *Detroit*, Mark A. Benvenuto, James M. Landis, Jr., Walter O. Siegl. *East Central Illinois*, Ellen A. Keiter. *East Tennessee*, Alan A. Hazari. *East Texas*, Philip Verhalen. *Eastern New York*, Mary K. Carroll, Warren D. Hull, Jr. *Eastern North Carolina*, Satinder Ahuja. *Erie*, Weslene Tallmadge. *Florida*, Béla S. Buslig, Carmen V. Gauthier. *Georgia*, Lissa Dulany, David S. Gottfried, Charles D. Sherrill, Joseph P. Stoner. *Greater Houston*, Simon G. Bott, Carolyn A. Burnley, Amber S. Hinkle, Mamie W. Moy, David M. Singleton, Kerry K. Spilker. *Green Mountain*, Willem R. Leenstra. *Hampton Roads*, Kenneth G. Brown. *Heart O'Texas*, Darrell G. Watson. *Huron Valley*, Ellene T. Contis, Harriet Lindsay. *Idaho*, Joshua J. Pak. *Illinois Heartland*, Gregory M. Ferrence. *Illinois-Iowa*, Richard G. Rogers. *Indiana*, Dawn A. Brooks, David Mitchell, Robert A. Pribush. *Indiana-Kentucky Border*, Jeffery W. Seyler. *Inland Northwest*, Jeffrey A. Rahn. *Iowa*, Addison Ault. *Kalamazoo*, Lydia E.M. Hines. *Kanawha Valley*, Madan M. Bhasin. *Kansas City*, Eckhard Hellmuth. *Kentucky Lake*, Charles M. Baldwin. *LaCrosse-Winona*, Claude L. Mertzenich. *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*, Dawood Afzal\*. *Maryland*, Merle I. Eiss, Dana Ferraris, Jan E. Kolakowski, Paul J. Smith, Stephanie Watson. *Memphis*, Laura M. Wolf. *Michigan State University*, Susanne M. Lewis\*. *Middle Georgia*, Robert J. Hargrove. *Mid-Hudson*, George W. Ruger. *Midland*, Wendy C. Flory, Bob A. Howell. *Milwaukee*, Kevin W. Glaeske, Joseph J. Piatt. *Minnesota*, Marilyn D. Duerst, Lynn G. Hartshorn, Ramesh C. Kumar, Sarah M. Mullins, Wayne C. Wolsey. *Mobile*, Mark R. Watry\*. *Mojave Desert*, Peter Zarras. *Mo-Kan-Ok, The Tri-State*, Khamis S. Siam. *Montana*, Kyle S. Strobe. *Nashville*, Judith M. Iriarte-Gross. *Nebraska*, Desiree C. Wineland\*. *New York*, Richard D. Cassetta, Donald D. Clarke, Ronald P. D'Amelia, Barbara R. Hillery, Hiroko I. Karan, Anne T. O'Brien, Patricia A. Redden, Yorke E. Rhodes, Frank Romano. *North Carolina*, Dorian A. Canelas\*, James L. Chao, Melissa A. Pasquinelli\*, Laura S. Sremaniak, Alan E. Tonelli\*. *North Jersey*, Jeannette E. Brown, Amber F. Charlebois\*, Alan B. Cooper, Jacqueline A. Erickson\*, Susan R. Fahrenholtz, Stan S. Hall, Elizabeth M. Howson\*, Anne M. Kelly, Diane Krone, Michael M. Miller, William H. Suits, Jefferson W. Tilley\*. *Northeast Georgia*, Michael B. McGinnis. *Northeast Tennessee*, John K. Sanders. *Northeast Wisconsin*, Martin D. Rudd. *Northeastern*, Ed Brush\*, Michaeline F. Chen\*, Catherine E. Costello, Thomas R. Gilbert, Patrick M. Gordon, Morton Z. Hoffman, Leland L. Johnson, Jr., Jennifer A. Larese\*, Katherine L. Lee, Doris I. Lewis, Robert L. Lichter, Patricia A. Mabrouk, Norton P. Peet\*, Dorothy J. Phillips, Mary J. Shultz, Ruth E. Tanner. *Northeastern Indiana*, Michael J. Brownfield. *Northeastern Ohio*, Carol A. Duane. *Northern New York*, Martin A. Walker\*. *Northern West Virginia*, Edwin L. Kugler\*. *Northwest Central Ohio*, Hafeed A. Bascal\*. *Northwest Louisiana*, Brian A. Salvatore. *Oklahoma*, Allen W. Apblett. *Ole Miss*, Walter E. Cleland, Jr.\*. *Omaha*, Richard B. Lomneth. *Orange County*, Robert S. Cohen, Rabin D. Lai, Sanda P. Sun. *Oregon*, Richard L. Nafshun. *Orlando*, Darlene K. Slattey. *Ouachita Valley*, Danny E. Hubbard. *Ozark*, Eric Bosch. *Panhandle Plains*, Mary Graff\*\*. *Penn-Ohio Border*, Doris L. Zimmerman. *Pensacola*, Allan M. Ford. *Permian Basin*, David A. Carter. *Philadelphia*, Anthony W. Addison, Georgia A. Arbuckle-Keil, Melissa B. Cichowicz, Judith H. Cohen,

Deborah H. Cook, John C. Crawford, Judith Currano, Ella L. Davis, Anne S. DeMasi, Margaret A. Matthews, Kathleen T. Shaginaw, Judith A. Summers-Gates. **Pittsburgh**, Michelle Coffman, Richard S. Danchik, Joseph D. Jolson\*, James A. Manner. **Portland**, Dale E. Brabham, Angela Hoffman. **Princeton**, Louise M. Lawter, Sharon A. Sibilis. **Puerto Rico**, Nestor M. Carballeira, Ingrid Montes. **Puget Sound**, Gary D. Christian, Gregory L. Milligan, Philip J. Reid, Mark Wicholas. **Purdue**, Suzanne C. Bart. **Red River Valley**, Harmon B. Abrahamson. **Rhode Island**, Peter J. Bonk. **Richland**, Richard A. Hermens. **Rochester**, D. Richard Cobb, Richard W. Hartmann. **Rock River**, Chong Zheng\*. **Sabine-Neches**, John A. Whittle. **Sacramento**, John R. Berg, Janan M. Hayes. **Salt Lake**, Thomas G. Richmond, Peter J. Stang. **San Antonio**, Terrill D. Smith. **San Diego**, Thomas R. Beattie, Hui Cai, John G. Palmer, J. Kenneth Poggenburg, Jr., Sonja Strah-Pleyner, David M. Wallace. **San Geronio**, James A. Hammond, J. Ernest Simpson. **San Joaquin Valley**, Melissa L. Golden. **Santa Clara Valley**, Linda S. Brunauer, Abby Kennedy, George J. Lechner, Sally B. Peters, Peter F. Rusch, Herbert B. Silber, Ean Warren. **Savannah River**, Christopher J. Bannochie. **Sierra Nevada**, Sergey A. Varganov\*\*. **Sioux Valley**, Jetty L. Duffy-Matzner. **Snake River**, Don L. Warner. **South Carolina**, William H. Breazeale, Jr., Scott R. Goode. **South Central Missouri**, Jyoti K. Malhotra. **South Florida**, Milagros Delgado, George H. Fisher, Zaida C. Morales-Martinez. **South Jersey**, Guenter Niessen. **South Plains**, Bill Poirier. **South Texas**, Thomas R. Hays. **Southeastern Pennsylvania**, Gregory P. Foy. **Southern Arizona**, Steven L. Brown\*. **Southern California**, Henry I. Abrash\*, Rita R. Boggs, Robert M. de Groot, Devin S. Iimoto\*, Virgil J. Lee, Barbara P. Sitzman. **Southern Illinois**, Rachel M. Theall. **Southern Indiana**, Kenneth G. Caulton. **Southern Nevada**, Onofrio G. Gaglione. **Southwest Georgia**, Subhash C. Goel. **St. Louis**, Lisa M. Balbes, Lawrence Barton, Donna G. Friedman, Alexa B. Serfis. **Susquehanna Valley**, Dee Ann Casteel. **Syracuse**, Alyssa C. Thomas. **Tampa Bay**, Sidney S. White, Jr.\*. **Texas A&M**, David E. Bergbreiter. **Toledo**, Andrew D. Jorgensen. **Trenton**, Bruce S. Burnham\*, Jerome Goodkin. **University of Arkansas**, Neil T. Allison. **University of Missouri**, Justin R. Walensky\*. **Upper Ohio Valley**, Kevin Pate. **Upper Peninsula**, Martin Thompson. **Virginia**, 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 Connecticut**, Edward Caliguri\*\*. **Western Maryland**, Don B. Weser. **Western Michigan**, Mark A. Thomson. **Wichita**, D. Paul Rillema. **Wichita Falls-Duncan**, Keith R. Vitense. **Wilson Dam**, Michael B. Moeller. **Wisconsin**, Martha L. Casey, Ieva L. Reich. **Wooster**, Judith Amburgey-Peters\*\*.

**Nonvoting Councilors:** Thomas J. Barton, Rudy M. Baum, Brian A. Bernstein, Brian D. Crawford, Denise L. Creech, Cheryl B. Frech, Mary M. Kirchhoff, William A. Lester, Jr., Connie J. Murphy, Sadiq Shah.

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

The preceding list of attendees at the Council meeting includes the following: 29 Ex- Officio Councilors; 4 Bylaw Councilors; 82 Division Councilors (73 elected, 9 alternate); 331 Local Section Councilors (294 elected, 33 alternate, 4 temporary); 10 Nonvoting Councilors; and 11 Noncouncilors (staff and others). Approximately 55 observers were in attendance.

### Resolution

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:

Dr. Kurt C. Schreiber  
(Professor emeritus, Duquesne University)

Pittsburgh  
(1969-1971; 1979-1981  
1985-1993)

Dr. Jay A. Young (Chemical safety expert and consultant)	Chemical Education (1969-1981) Bylaw (1982 & 1986) Chemical Health and Safety (1987, 1983-85)
Dr. Bryce Crawford, Jr. (Retired chemistry professor, University of Minnesota)	Physical Chemistry (1963-1965) Ex Officio 1969-1977)
Dr. Joseph G. Cannon (Professor emeritus – medicinal chemistry, University of Iowa)	Medicinal Chemistry (1975-1987)
Dr. Herbert Kaesz (Professor – inorganic chemistry, University of California, Los Angeles)	Southern California (1976-2011)
Dr. Wayne D. Goodman (Chemist, Texas A&M University)	Colloid and Surface Chemistry (1996-1999)
Dr. Robert W. Murray (Professor emeritus, University of Missouri – St. Louis)	St Louis (1977-1985)
Dr. Anita J. Brandolini (Assistant professor of chemistry, William Paterson University)	North Jersey (1989-1991; 2008-2012)

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

#### Approval of Minutes

2. VOTED to approve, as distributed, the minutes of the meeting of August 31, 2011.

#### Report of Interim Actions, Council Policy Committee

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

#### Selection of Candidates for President-Elect 2013

**William H. (Jack) Breazeale**, chair, Committee on Nominations and Elections (N&E), introduced the following nominees for selection as candidates for President-Elect 2013, and candidates for election to the Board of Directors:

4. In accordance with the provisions of Bylaw III, Sec. 3, b, (1), (b), the Committee on Nominations and Elections presented the following nominees for selection as candidates for President-Elect 2013: Thomas J. Barton, Luis A. Echegoyen, William A. Lester, Jr., and Barry M. Trost. After each nominee spoke to Council, the Council selected by electronic ballot Thomas J. Barton and Luis A. Echegoyen as candidates for President-Elect 2013.

Dr. Breazeale introduced the candidates for the Board of Directors, chosen by voting Councilors in District I and District V for the election to be conducted this fall for the term 2013-2015: District I, Thomas R. Gilbert and Neil D. Jespersen; and District V, John E. Adams and Peter K. Dorhout.

Dr. Breazeale then announced the following candidates for Director-at-Large on the Board of Directors: Carol A. Duane, Valerie J. Kuck, Helen (Bonnie) A. Lawlor, and Ingrid Montes. The election will be conducted this fall. The two successful candidates will fill 2013-2015 terms.

#### Reports of Society Officers

**President Bassam Z. Shakhashiri** 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 the Executive Director Madeleine Jacobs in support of the Project SEED program. Dr. Shakhashiri complimented and thanked volunteers and staff for the excellent work they do. He then reviewed his presidential theme, “Advancing Chemistry – Communicating Chemistry” and its accompanying four initiatives.

Dr. Shakhashiri reported on efforts to enhance the role of the Council Policy Committee. He noted the importance and relevancy of the word “Policy” in the committee’s title and also urged Councilors to take a more proactive role in matters of Society policy and other issues. Dr. Shakhashiri stated that it is his belief that the collective talent of the Council must always have the greatest influence possible on policy matters affecting the ACS and its role in the chemical enterprise. He concluded his comments by reminding Councilors of current Society challenges, including matters of unemployment among chemists; sustaining the preeminence of our scholarly scientific communications and the business success of our Publications and Chemical Abstracts Service divisions; and elevating our presence on the national scene in chemistry and enhancing the effectiveness of science education at all levels in the classroom and post-graduation.

**President-Elect Marinda Li Wu** said that she is looking forward to serving as ACS President next year and is grateful for the Council’s support and the support of members around the world. Dr. Wu then announced her plans to focus on jobs and global outreach through the appointment of a presidential task force titled: “Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise.” Dr. Wu reported attending the annual ACS Leadership Institute earlier this year and her challenge to its approximately 350 attendees that they consider recruiting champions to start or reinvigorate job clubs in their local sections.

Dr. Wu said that she plans to seek input on ways to expand global outreach through international exchange and strategic collaborations that will benefit ACS members and the global chemistry enterprise. Her plans include travel abroad with the goal of strengthening alliances and cultivating relationships around the world.

**Immediate Past President Nancy B. Jackson** said that representing the ACS during the International Year of Chemistry was quite an adventure. She reported attending chemical conferences in the Philippines, Jordan, Malaysia, Brazil, Canada, Qatar and Israel. She also attended an African regional meeting in South Africa and an Asian regional meeting in Bangkok.

Dr. Jackson then listed the top ten things she learned during the International Year of Chemistry, including the following: the term “chemical free” is used globally for items that are filled with “chemicals” such as filtered water, meat and even vitamins; in the Middle East, there are significantly more women than men studying chemistry at both the undergraduate and graduate level; the US is the only country in the world where global climate change is widely considered a political issue; and young people all over the world want to grow up and make a difference – help the poor, reduce pollution, enable sustainability – and a lot of times these young people don’t realize that chemistry and other sciences and engineering can be the route to making an impact.

**Board Chair William F. Carroll, Jr.** began his remarks with an update on the Leadscope case. He said that ACS had appealed to the Ohio Supreme Court, and that the Court agreed to hear the case. Briefs



have been filed in support of the Society's position by several prestigious organizations, including the Ohio Attorney General, the Ohio Chamber of Commerce, the Ohio Manufacturers' Association and the Ohio State Bar Association. Dr. Carroll reported that on September 7, the Supreme Court heard oral arguments in the case and that a ruling has not been issued but could come at any time.

Dr. Carroll said that the Board of Directors received a briefing on the American Association of Medical Colleges and Howard Hughes Medical Institute report titled, "Scientific Foundations for Future Physicians," informed by the work of a joint task force of the Committee on Professional Training and the Society Committee on Education. He also reported on the Board's approval of the 2015 Pacifichem budget, changes to the Board Regulations regarding the composition of the Planning Committee and appointment of canvassing and award committees, and proclamations recognizing the 100<sup>th</sup> anniversary of the South African Chemical Institute and 80<sup>th</sup> anniversary of the Chinese Chemical Society. Dr. Carroll concluded his report with a short video titled, "What is the ACS?"

**Executive Director and CEO Madeleine Jacobs** reported that the ACS has more than 164,000 members worldwide, robust financial operating results from core operations, more than \$300 million in our investment pool, an endowed research fund, two premier information services divisions, and a long list of mission-driven accomplishments. Ms. Jacobs added that the Society has new career programs, including programs for entrepreneurs; new education initiatives; a Presidential Commission on Graduate Education; and enhanced efforts on Capitol Hill and in state legislatures.

However, she did caution that unemployment for ACS members stands at 4.6% - the highest since ACS began keeping records 40 years ago. Ms. Jacobs said that the new strategic plan is a roadmap for addressing this and other challenges. She said that members are keeping current with the latest research through the new ACS Member Universal Access Program which provides 25 articles from more than 40 journals, ACS Symposium Series, e-books, and C&EN Archives as a benefit of membership. Ms. Jacobs thanked Dow Chemical Company for its generous contribution of \$2.5 million as the sole sponsor of the Olympiad.

#### Reports of Elected Committees

##### Council Policy Committee (CPC)

**Carolyn Ribes**, vice chair, reported that CPC launched a new Councilor webinar where the committee provided information on the New Councilor Orientation program, the new mentoring program, the experiences of other Councilors, and the operations of ACS. She said that 25 new Councilors participated in the webinar, and 25 new Councilors and Alternate Councilors attended the New Councilor Orientation held at this meeting. Dr. Ribes reported that CPC formed a new task force on committee duties and responsibilities and agreed that many opportunities exist to enhance committee effectiveness and achieve a better balance between process and content.

Dr. Ribes informed the Council of a CPC action to continue the Committee on Nomenclature, Terminology and Symbols' historical reimbursement policy, rather than including this committee in the recently enacted committee expense reimbursement policy. The committee expense reimbursement policy approved in 2011 excludes from coverage several committees whose existing reimbursement policy for Noncouncilors is more generous than the new policy. Dr. Ribes then introduced the Petition to Amend Recorded Vote Request Procedure for Council action.

5. VOTED, on the recommendation of the Council Policy Committee, and subject to the concurrence of the Board of Directors, that the Petition to Amend Recorded Vote Request Procedure be approved.

Committee on Committees (ConC)

**Dawn A. Brooks**, committee chair, reported that the Committee on Committees held its New Chairs Training Conference in January, for nine chairs and their staff liaisons, as part of the ACS Leadership Development Institute. Dr. Brooks said that ConC has begun developing recommendations for 2013 committee chair appointments for consideration by the President-Elect and the Chair of the Board of Directors.

Dr. Brooks informed the Council that ConC has acted on a request from the Senior Chemists Task Force to consider establishing an ACS Joint Board-Council Senior Chemists Committee, and will bring a recommendation to the fall Council meeting for approval. She added that performance reviews for the committees on Chemists with Disabilities and Professional Training have been completed and ConC's recommendation for continuation of these committees will appear on the fall Council agenda. Dr. Brooks reported that the performance review for the Committee on Project SEED has also been completed and is on the Council agenda for action at this meeting.

6. VOTED, on the recommendation of the Committee on Committees, with the concurrence of the Council Policy Committee, that the Committee on Project SEED be continued.

Nominations and Elections (N&E)

**William H. (Jack) Breazeale**, committee chair, reported on the results of the morning's elections for President-Elect 2013 (see item 4).

Dr. Breazeale then said that the committee held a very successful Town Hall meeting on March 25, with excellent feedback from the N&E nominees for President-Elect. Dr. Breazeale stated that N&E is responsible for reviewing annually the distribution of member population within the six electoral districts to ensure that the districts have equitable representation. According to Bylaw V, Sec. 4(a) the year-end member population of each electoral district must be within ten percent of the average number of members residing in each district. He said that the 2011 year-end report shows that District 3 is out of compliance. Dr. Breazeale said that N&E has established a task force to review and propose revisions to the Membership Affairs Committee and the Local Section Activities Committee to bring the membership back into compliance among the electoral districts.

Dr. Breazeale reported that N&E does not support the Petition on Candidate Comments in C&EN and continues to work on election guidelines that will be available on the N&E website this fall. He said that the committee has established two task forces: a task force on town hall meetings and a task force on campaign services. Both task forces will consider possible improvements to nominations, campaigns, and elections.

Reports of Society Committees and the Committee on Science

Budget and Finance (B&F)

**Pat N. Confalone**, committee chair, reported that despite the sluggish economy, ACS generated strong operating results in 2011. Total revenue was \$472.0 million, up 1.8% over 2010. The Net from Operations was \$20.9 million, or \$7.7 million favorable to budget. He said that the result was attributable to better-than-expected performance by the Publications Division and careful expense management across the Society. Dr. Confalone added that while operating results were favorable, Unrestricted Net Assets declined from \$130.5 million to \$102.0 million. The decline was primarily due to a sizable accounting charge related to the Society's closed postretirement benefit plans. These include a defined benefit pension plan and a retiree medical plan. ACS ended the year in compliance with four of the five Board-established financial guidelines.

Next, Dr. Confalone presented information on the 2013 fully escalated dues calculation and also a comparison of ACS dues amounts with those other scientific societies, where ACS falls in the middle in terms of cost and will likely remain there in 2013. He said that B&F voted to recommend to the Council that the dues for 2013 be set at the proposed fully escalated rate.

7. VOTED, on the recommendation of the Committee on Budget and Finance, with the concurrence of the Council Policy Committee, that the member dues for 2013 be set at the fully escalated rate of \$151.

#### Education (SOCED)

**Mary K. Carroll**, committee chair, reported that the committee released the newly approved *ACS Guidelines and Recommendations for the Teaching of High-School Chemistry*. She said that SOCED supported a task force recommendation to create a stand-alone chemistry teachers association housed within the ACS, supported by professional staff, and governed by a volunteer board of association members. Dr. Carroll said that SOCED considered recommendations from its task force on two-year college activities and agreed to encourage the pursuit of excellence in two-year programs through increased use of the *ACS Guidelines for Chemistry in Two-Year Programs*; the appointment of an advisory board for the Office of Two-Year Colleges; and continued consideration of a recognition process for two-year colleges.

Dr. Carroll reported that SOCED is in its second year of the ACS Science Coaches pilot program and that the program has expanded from 32 to 119 coaches. She said that 2012 marks the 75<sup>th</sup> anniversary of the American Chemical Society welcoming undergraduate students and establishing collegiate chapters. Dr. Carroll added that the Society has gone from 190 Student Affiliates and 7 chapters in 1937 to over 16,500 student members and more than 1,000 chapters today.

#### Science (ComSci)

**Sadiq Shah**, committee chair, reported that ComSci has recently launched a new initiative which will feature panels of Nobel Laureates and nationally recognized young researchers from academia and industry sharing their vision on the emerging frontiers of chemical science. He said that the first forum was held at this meeting and another forum is scheduled for the fall national meeting. Dr. Shah also reported on the committee's "STEM Education Pipeline to Innovation and Entrepreneurship" initiative which aids in developing new platforms to better prepare chemists for 21<sup>st</sup> century careers. He said that ComSci worked with several other units to organize the first-of-its-kind business plan competition at an ACS national meeting. The competition featured entrepreneurs presenting promising chemistry-based innovations. Dr. Shah concluded his comments by highlighting the committee's alternative energy systems project, which focuses on four areas: hydrogen, solar, biofuels, and nuclear energy. He said that ComSci held a successful session at the San Diego meeting on sustainable biofuels, the last of the four areas to be covered.

#### Special Discussion Item

A special discussion item was put on the Council agenda for this meeting. ACS President Bassam Shakhshiri presented and moderated a discussion on "What is your reaction to the proposed topics for the ACS Climate Science Toolkit?" President Shakhshiri's working group on ACS Climate Science has developed a preliminary web-based toolkit that ACS members can use as a resource for understanding and communicating basic climate science. Following the presentation, Councilors engaged in a robust discussion of the proposed toolkit, and offered numerous suggestions for President Shakhshiri and his working group to consider.

Reports of Standing Committees

Meetings and Expositions (M&E)

**Dee Ann Casteel**, committee chair, reported that M&E accepted 11,716 papers for the spring national meeting and recorded 16,864 registrants. The Exposition hosted 408 booths with 268 exhibitors. She said that the registration revenue budget for the meeting was exceeded and the revenue budget for the Exposition was met. Ms. Casteel said that M&E released its first report on sustainability for the two national meetings in 2011 constructed using the Global Reporting Initiatives (GRI) guidelines, an industry standard for tracking sustainability efforts. ACS is the first organization to successfully complete the GRI Event Sector Supplement.

Ms. Casteel reported that M&E has decided against routinely making WiFi available in technical session rooms for reasons of high cost, lack of significant benefits to technical programs, and concerns of inappropriate use of internet access relative to intellectual property. She said that eight regional meetings are scheduled for 2012, beginning in late May and concluding in early November.

Divisional Activities (DAC)

**John Pochan**, committee chair, reported that DAC and the Committee on Meetings and Expositions are creating a working group to address policies dealing with remote access to live sessions originating from ACS national meetings. He added that the working group will also review the need for additional policies regulating the capture and subsequent distribution of content delivered initially at Society national meetings. Dr. Pochan reported the committee's approval of ten Innovative Project Grants (IPG) totaling \$60,700. He said the committee will consider another set of IPG proposals at the fall national meeting, and the deadline for submission is July 1. Dr. Pochan announced the proposed themes for national meetings in 2015 as follows: "Chemical Resources: Extraction, Refining and Conservation, (Spring); and "A History of Innovation: from Discovery to Application" (Fall).

Economic and Professional Affairs (CEPA)

**Lisa M. Balbes**, committee chair, reported that the unemployment rate for ACS chemists continues to rise, even as the U.S. employment rate has started to decline. She said that the unemployment rate for ACS chemists as of March 1, 2011 was 4.6%. This is by far the highest rate since ACS started tracking unemployment in 1972. Dr. Balbes stated that in an effort to create greater awareness of career options, CEPA worked with ACS staff and the Graduate Education Advisory Board to create a new, expanded suite of workshops detailing career pathways in industry, higher education, government and entrepreneurship.

Dr. Balbes reported that the Entrepreneurial Initiative Advisory Board received 50 applications for the first Entrepreneurial Training Program and scholarship recipients will be announced in April. She reminded Councilors that the deadline for applications for entry into the Entrepreneurial Resources Center and the second class of scholarships for the Entrepreneurial Training Program is June 1. Dr. Balbes briefly reviewed a wording change to the Chemical Professional's Code of Conduct, which Councilors then agreed without objection to include in the document.

8. VOTED, on the recommendation of the Committee on Economic and Professional Affairs, with the concurrence of the Council Policy Committee, to approve the revised Chemical Professional's Code of Conduct.

Local Section Activities (LSAC)

**Lee Latimer**, committee chair, recognized several local sections celebrating significant anniversaries in 2012, including those celebrating anniversaries of more than 100 years. He noted that 174 of the 187 local sections have completed their 2011 annual reports. Dr. Latimer stated that overall satisfaction with FORMS, the tool for used for annual report submission, has increased from 34% to 76%.

Dr. Latimer reported that LSAC awarded 28 Innovative Project Grants for a total of \$52,093, compared to 44 for all of 2011. The committee also awarded 15 mini-grants to engage member retention efforts. He added that earlier this year, LSAC funded four Leadership Development Grants and three Science Cafes. Dr. Latimer said that information about all LSAC grants and those of other committees is available at [www.acs.org/getinvolved](http://www.acs.org/getinvolved).

#### Membership Affairs (MAC)

**Wayne E. Jones**, committee chair, reported that membership recruitment and retention efforts were very successful last year, ending 2011 at 164,215 members – the highest number in Society history. Dr. Jones said that more than 24,000 new members were elected into the Society while over 23,000 resigned, did not renew, or for other reasons dropped from ACS membership. Of those who joined ACS, nearly 34% were undergraduate members.

Dr. Jones reported MAC's delight in welcoming a delegation from the Iraqi chemical society to their executive session. Members of the delegation and the committee participated in a lively discussion about membership marketing, recruiting, retention, services and benefits. Next, Dr. Jones reviewed the committee's work on the Petition on Market Data Collection. He said that this petition will allow for limited market testing to collect data for Council to consider prior to making permanent changes to Society benefits, dues, or membership categories.

9. 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 Market Data Collection be approved.

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

**Harmon B. Abrahamson**, committee chair, reported that since the beginning of the year C&B has certified 7 bylaws from Local Sections and Divisions. He added that the ACS governing documents, known collectively as Bulletin 5, have been updated effective January 1 and for the first time the Table of Contents is hyperlinked. Dr. Abrahamson said that C&B finalized two petitions and two petitions are up for consideration. He reminded Councilors that the deadline for new petitions to be considered for the fall Council meeting is May 2.

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

##### Chemical Safety

**Robert H. Hill, Jr.**, committee chair, reminded Councilors that at the 2011 fall meeting, the Council discussed the topic "How can ACS best cultivate a culture of safety in U.S. universities and colleges?" Dr. Hill reported that more than 40 Councilors addressed this topic and the committee continues to review these comments for suggestions to help strengthen safety cultures. He said that as a follow-up to the U.S. Chemical Safety Board's recently released report on a university laboratory incident, the committee has formed the Hazard Analysis and Risk Assessment Task Force. One of the Chemical Safety Board's recommendations called upon the ACS to develop good practice guidance that identifies and describes methodologies to assess and control hazards that can be used successfully in the academic research laboratory. The task force will meet in April.

Dr. Hill reported that the committee approved the Safety Culture Task Force report titled, "Creating Safety Cultures in Academic Institutions." He said the report describes essential elements of a strong safety culture and provides recommendations for strengthening an institution's safety culture. Dr. Hill added that the Division of Chemical Health and Safety and the Committee on Chemical Safety will host a symposium at the fall national meeting on this subject.

### Chemistry and Public Affairs (CCPA)

**Connie Murphy**, committee chair, reported that CCPA joined the Board of Directors in visiting Congress and federal agencies, where they shared the recent ACS report, “Innovation, Chemistry & Jobs,” and discussed the important role that chemistry plays in U.S. economic growth. She said that CCPA is providing feedback to the ACS Office of Public Affairs on a pilot program to merge local section government affairs committees along state lines.

Ms. Murphy reported that other ACS committees and divisions have joined CCPA in encouraging chemists to consider alternative careers in science policy or public office. She said CCPA cosponsored a panel discussion at this meeting organized by the Division of Small Chemical Businesses titled, “Making a Science Policy Fellowship a Part of Your Career;” and they will cosponsor a panel on running for office at the fall national meeting.

### Environmental Improvement (CEI)

**Laura Pence**, committee chair, reported that CEI continues to focus its attention on increasing ACS leadership related to sustainability and sustainable chemistry, and its activities fall into four broad categories: public policy, member involvement, programming, and education. She said that a third group of awardees for the incorporation of sustainability into chemical education was recognized at a symposium in the Division of Chemical Education. With this class, CEI has recognized a total of 15 educators who are leaders in bringing sustainability to the classroom. Dr. Pence added that CEI looks forward to partnering with the Committee on Professional Training and the ACS Green Chemistry Institute on raising awareness around issues of sustainability in the undergraduate curriculum.

Dr. Pence reported that CEI also reaches students through the CEI sustainability film series, and in partnership with the Society Committee on Education, presented the film “Climate Refugees” as part of the undergraduate program for this meeting. Other CEI activities included a meeting with committee-sponsored students who reported from the 17<sup>th</sup> Conference of the Parties to the United Nations Framework Convention on Climate Change and interaction with the ACS President on the development of an ACS climate science toolkit.

### Ethics

**Gregory M. Ferrence**, committee chair, reported that the committee advised the American Geophysical Union on establishing an ethics committee, and Ethics is currently working with Sigma Xi regarding ethics-related opportunities of mutual interest between Sigma Xi and ACS. Dr. Ferrence said that the committee met with members of the Iraqi chemical society rejuvenation team and that they look forward to future international exchanges of information in the broad context of chemistry and ethics in the future.

Dr. Ferrence reported that the committee has indexed approximately 130 ethics case studies from the National Academy of Engineering’s Online Ethics Center, and this information is available on the ACS Network and at the ACS Ethics Committee groupsite and is a helpful tool to promote ethics awareness. He also alerted Councilors to the 15 ethics-related case studies posted on the committee’s website.

### International Activities (IAC)

**Judith L. Benham**, committee chair, reported that IAC welcomed the leadership of the Brazilian Chemical Society, the Canadian Society for Chemistry, IUPAC, the German Chemical Society, the Hungarian Chemical Society, the Mexican Chemical Society, the Royal Society of Chemistry, and representatives of the ACS international chemical sciences chapters of Hungary and Shanghai. Dr. Benham said that IAC held a retreat at this meeting to develop and ratify a multi-year operational plan to advance its six strategic priorities.

Dr. Benham stated that the committee has proposed a number of activities that advance the IAC goals. To explore making the world's food supply safe and abundant, IAC proposes a workshop with Japan to develop curriculum for K-12 students in the U.S. & Japan on risk assessment and management of nuclear contamination. To assure support of human rights and scientific mobility, the committee will continue to create and identify seminars, symposia, and curriculum for science and human rights inclusion at the appropriate level (K-12, undergraduate, graduate, post-graduate, & professional), including identification of "Heroes in Science and Human Rights." To sustain momentum of the International Year of Chemistry (IYC) beyond 2012, IAC will review, evaluate, and capture lessons learned from the IYC activities and identify experiments and activities for the future.

#### Women Chemists (WCC)

**Judith Cohen** committee chair, reported WCC's celebration of its 85<sup>th</sup> anniversary with events and programs highlighting the accomplishments of women scientists, including: a symposium featuring the inaugural awardees of the WCC Rising Star Award; recognition of WCC/Eli Lilly Travel Award recipients; and recognition of the 2012 recipient of the Francis P. Garvan-John M. Olin medal.

Ms. Cohen said the committee voted to update its mission to state that WCC will be leaders in attracting, retaining, developing, promoting, and advocating for women in the chemical sciences in order to positively impact society and the profession. To achieve this mission, Ms. Cohen said that the committee was restructured to focus on the important areas of recognition and professional development, and now consists of four subcommittees including awards and recognition, communications and technology, professional development, and programs and events.

#### New Business

##### Resolution

The Council adopted the following resolution:

10. BE IT RESOLVED That the Council of the American Chemical Society express to the officers and members of the San Diego Local Section, host Section for the 243<sup>rd</sup> National Meeting, the sincere appreciation of the Council and the entire Society for the cordial hospitality extended to all registrants at this meeting, and that the Council conveys special thanks to the division program chairs and symposium organizers responsible for the outstanding technical sessions, as well as to members of the Sections and headquarters staff, for the planning and execution that have assured the success of the 243<sup>rd</sup> National Meeting.

There being no further business, the meeting adjourned at 11:52 a.m.

Flint H. Lewis  
Secretary

ELECTION TO  
COMMITTEE ON COMMITTEES

Action Requested. The Committee on Nominations and Elections has selected the following slate of candidates for membership on the Committee on Committees, effective January 1, 2013:

Spiro D. Alexandratos	Judith Currano
G. Bryan Balazs	Warren D. Hull, Jr.
Christopher J. Bannochie	David J. Lohse
Arindam Bose	Christopher J. Masi
Dawn A. Brooks	Ingrid Montes
Michelle V. Buchanan	Jason E. Ritchie
Alan B. Cooper	Ralph A. Wheeler

The Council must elect seven individuals. The five candidates receiving the highest numbers of votes will be declared elected for the 2013-2015 term, the candidates receiving the sixth and seventh highest vote will be declared elected for the remainder of the 2012-2014 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are summarized at the end of the item.

Supplementary Information: Those members of the Committee of Committees whose terms end on December 31, 2012 are:

G. Bryan Balazs, California Section  
Dawn A. Brooks, Indiana Section  
Rigoberto Hernandez, Georgia Section  
Les W. McQuire, North Jersey Section  
Ingrid Montes, Puerto Rico Section  
Howard M. Peters, Santa Clara Section  
Frankie K. Wood-Black, Chemical Health & Safety (North Central Oklahoma Section)

Rigoberto Hernandez, Les W. McQuire, Howard M. Peters, and Frankie K. Wood-Black are ineligible for reelection.

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

2011-2013

Janet Bryant, Business Development & Management (Richland Section)  
H.N. Cheng, Polymer Chemistry (Louisiana)  
Amber S. Hinkle, Greater Houston Section  
V. Michael Mautino, Pittsburgh Section  
Yorke E. Rhodes, New York Section

2012-2014

Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida  
Sara J. Risch, Agricultural & Food Chemistry (Chicago Section)

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**ALEXANDRATOS, SPIRO D. Division of Industrial & Engineering Chemistry** (New York Section).  
Hunter College of the City University of New York, New York.

**Academic Record:** Manhattan College, B.S. 1973; University of California, Berkeley, Ph.D. 1977.



**Honors:** ACS Fellow, 2009; Fulbright Scholar, 2010-11, L'Ecole des Mines, France; Sigma Xi, Outstanding Alumnus Award, 2006; Phi Beta Kappa, Certificate of Merit, 1993.

**Professional Positions** (for past ten years): Hunter College of the City University New York, Professor of Chemistry, 2001 to date.

**Service in ACS National Office:** Committee on Chemical Abstracts Service, 2006-12, Chair, 2010-12; Committee on Science, Division Representative, 2009-11; Task Force on Society Committee on Publications, Chair, 1994-95; Associate Editor, *Industrial & Engineering Chemistry Research*, 1996 to date.

**Service in ACS Offices:** Member ACS since 1977. *Division of Industrial & Engineering Chemistry:* Councilor, 2008-13, Alternate Councilor, 1993-95, Chair, 1994, Chair-Elect, 1993, Program Committee, 1990-95. *Division of Industrial & Engineering Chemistry, Separation Science Subdivision:* Chair, 1991, Chair-Elect, 1990, Executive Committee, 1989 to date; Program Committee, 1987 to date. *East Tennessee Section:* Treasurer, 1987-88.

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

**Related Activities:** Gordon Research Conference on Reactive Polymers, Ion Exchangers & Adsorbents, Chair, 1997; Co-Chair, 1995. Editorial Advisory Boards: *Separations Science and Technology*, 1996 to date; *Reactive & Functional Polymers*, 1995 to date; *Solvent Extraction and Ion Exchange*, 1988 to date; 125 refereed publications, including ten patents.

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**BALAZS, G. BRYAN California Section.** Lawrence Livermore National Laboratory, Livermore, California.

**Academic Record:** Washington & Lee University, B.S., Chemistry, 1985; ITT/Fulbright Scholar, Germany, 1985-86; California Institute of Technology, Ph.D., Chemistry, 1992.

**Honors:** ACS Fellow, 2010; Shirley B. Radding Award, Santa Clara Valley Section ACS, 2009; Walter Petersen Award, California Section ACS, 2004; Graduate of Lawrence Livermore National Laboratory Leadership Program, 2005; Department of Energy, Award of Excellence, 2004; W. R. Grace Chemistry Fellowship, 1991; National Science Foundation Fellowship, 1986; Rhodes Scholarship State Finalist, 1985; James Lewis Howe Award in Chemistry, 1985; Phi Beta Kappa Sophomore Award, 1983; Stump Prize in German, 1983; Phi Lambda Upsilon; Phi Eta Sigma Freshmen Honor Society, 1982.

**Professional Positions** (for past ten years): Lawrence Livermore National Laboratory, Staff Chemist, 2000-07, Associate Program Leader, 2007 to date.

**Service in ACS National Offices:** Committee on Committees, 2010-12; Council Policy Committee, (Nonvoting), 2007-09; Committee on Economic and Professional Affairs, Committee Associate, 2006-09; Committee on Education, 2004-09, Chair 2007-09, Consultant 2010-12, Committee Associate, 2001-03, Graduate Education Advisory Board, *Ex Officio* Member, 2007-09; 2012 International Chemistry Olympiad, Chair, and member of International Steering Committee, 2010-13; PACIFICHEM Organizing Committee, 2006-10, 2011-15.

**Service in ACS Offices:** Member ACS since 1987. *California Section:* Councilor, 1999-13; Alternate Councilor, 1993-98; Chair, 2011, 1998; Chair-Elect, 2010, 1997; Board of Trustees, 2005-12; Educational Grants Committee Chair, 1999-12; Long-Range Planning Committee, Chair, 1999; Nomination and Election Committee Chair, 2012, 1999; Younger Chemists Committee, Chair, 1999-02; Board of Directors, 2010-12, 1997-99.

**Member:** Phi Beta Kappa.

**Related Activities:** Post-Doctoral Associate, Lawrence Livermore National Laboratory, 1992-94; University of California, Los Angeles, Management and Project Management classes; more than 55 journal publications, and 3 patents; Chemistry Fellowship Application Judge for the Davidson Institute for Talent Development, 2010-12.

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

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

**Honors:** ACS Fellow, 2009; ACS, Savannah River Section Salute to Excellence Award, 2006; ACS, Stanley C. Israel Regional Award for Promoting Diversity in the Chemical Sciences, 2005; National Organization of Gay and Lesbian Scientists and Technical Professionals, Walt Westman Award, 2007; George Westinghouse Signature Award, 1992; Sigma Xi; Phi Lambda Upsilon.

**Professional Positions** (for the past ten years): Savannah River National Laboratory (operated by Savannah River Nuclear Solutions), Fellow, 1991 to date; Lawrence Livermore National Laboratory (operated by the University of California), Visiting Scientist, 1998-01.

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

**Service in ACS Offices:** Member ACS since 1984. *Savannah River Section:* Councilor, 1996-13, Chair, 1993-94, Chair-Elect, 1993; Archivist, 2001-12; Government Affairs Committee Chair, 2007-09; Newsletter Editor, 1995-98; Public Outreach Officer, 1992. *Southeastern Regional Meeting, Inc:* Executive Committee, 2005-10, Chair, 2009, Chair-Elect, 2008. *58th Southeastern Regional Meeting:* General Chair, 2005-06. *Professional Relations Division:* Chair, 2011, Chair-Elect, 2010, Secretary, 2009, Treasurer, 2003-08, Program Chair, 2007-08, Member-At-Large, 2002. PACIFICHEM 2010, 2015, ACS Topical Program Advisor.

**Member:** National Organization of Gay and Lesbian Scientists and Technical Professionals, Board of Directors, 2009-12; Leadership Augusta, Class of 2004, Board of Directors, 2005; Savannah River Site Gay, Lesbian, or Bisexual Employees and Allies Association, President, 2009-12, 2003; American Association for the Advancement of Science. *ACS Divisions:* Industrial and Engineering Chemistry, Nuclear Chemistry; and Professional Relations.

**Related Activities:** CEPA Subcommittee on Public Policy, Chair, 2001-06, CEPA Subcommittee on Professional Services and Programs, Chair, 1998-99; Washington University, School of Medicine, Research Associate, 1989-91; Morris Museum of Art, Board of Directors, 2010; Augusta Pride, Inc., Board of Directors, 2010-12.

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

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

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

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

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

**Service in ACS Offices:** Member ACS since 1978. *Division of Biochemical Technology:* Councilor, 1995-12; Secretary-Treasurer, 1986-94; Peterson Award Committee, Chair, 1983-1985.

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

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

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**BROOKS, DAWN A. Indiana Section.** Eli Lilly and Company, Indianapolis, Indiana.

**Academic Record:** Ohio Northern University, B.S., 1993; Indiana University, Ph.D., 1998.

**Honors:** Service Award, Indiana Section, ACS, 2006; Healthcare Businesswomen Association, Rising Star Award, 2008; Lilly Research Laboratories, Quality Pinnacle Award, 2009; Lilly Research Laboratories, Six Sigma Alumni of the Year, 2007; Lilly Research Laboratories, Six Sigma Black Belt of the Year, 2006; Women Chemists Committee/Eli Lilly Travel Award, 1997; Abbott Graduate Fellow, 1996-97; DuPont Associate Institute Teaching Award, 1995; Department of Education National Needs Fellow, 1993-94; Mortar Board Honor Society, Ohio Northern University, 1992-93; National General Motors Liberal Arts Excellence Award, 1991.

**Professional Positions** (for past ten years): Eli Lilly and Company, Sr. Director, Lilly Research Laboratories (Business Operations), 2009 to date; Sr. Director, API Operations, 2007-09, Six Sigma Blackbelt, 2005-06, Head of Chemistry, 2002-05, Research Scientist, 2002, Senior Organic Chemist, Discovery Chemical Research, 1999-01, Senior Organic Chemist, Chemical Process and Development, 1998-99.

**Service in ACS National Offices:** Committee on Committees, 2009-12, Chair, 2012; Women Chemists Committee, 2001-09, Chair, 2009, Committee Associate, 1999-2000; Committee on Corporation Associates, 2005-12; Joint Subcommittee on Diversity, 2007; Collaboration of Committees Working Group, 2006.

**Service in ACS Offices:** Member ACS since 1993. *Indiana Section:* Councilor, 2007-12, Alternate Councilor, 2004-06, Chair, 2002, Chair-Elect, 2001, Women Chemists Committee, Chair, 2002 to date. *Southern Indiana Section:* Secretary, 1996.

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

**Related Activities:** 2013 ACS National Meeting Lead Team, 2012; International Science and Engineering Fair, Judging Coordinator and Chemical Caucus Leader, 2006; Science Education Foundation of Indiana Executive Board Member, 2002-11; Ohio Northern University, Arts & Science Advisory Board, 2001 to date, Chair 2008-10; published 11 journal articles, one textbook chapter; holds five patents in diabetes research.

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

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

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

**Professional Positions** (for past ten years): ORNL, Associate Laboratory Director, Physical Sciences, 2004 to date; Director, Chemical Sciences Division, 2000-04; Director, Center for Structural Molecular Biology, 1999-03; Associate Director, Life Sciences Division, 1999-2000; University of Tennessee, Adjunct Professor, Department of Chemistry, 1988 to date.

**Service in ACS National Offices:** Committee on Divisional Activities, 2012-13, Committee Associate, 2011; Committee on International Activities, 2007-09.

**Service in ACS Offices:** Member ACS since 1975. *Analytical Chemistry Division:* Councilor, 2009-14, Alternate Councilor, 2000-02, Treasurer, 1995-98. *East Tennessee Section:* Chair, 1995, Chair-Elect and Program Chair, 1994.

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

**Related Activities:** NRC Chemical Science Roundtable, 2003-05; Co-Chair on DOE Basic Energy Sciences Workshops on Hydrogen, 2002, Electrical Energy Storage, 2007 and Carbon Capture, 2010; Associate Editor Biological Mass Spectrometry, 1990-95; *Editorial Boards:* *Analytical Chemistry*, 1991-93; *Journal of Mass Spectrometry*, 1995-2000; *Biological and Environmental Mass Spectrometry*, 1986-90; *Organic Mass Spectrometry*, 1989-94; *Fresenius Journal of Analytical Chemistry*, 1998-2000; *Advisory Boards:* National High Field Magnet Laboratory, 1999-01; NSF Center for High Field FTICR at Florida State, 1994-2000; Sandia Biotechnology Council, 2004-05; National Institute of Justice, 1995-97; Argonne Advanced Photon Source, 2007-10; American Society for Mass Spectrometry, Treasurer 1988-90; Boston University School of Medicine NIH Mass Spectrometry Center, 1997 to date; Vanderbilt University Committee of Visitors, 2006-12; University of Tennessee Department of Chemistry Board of Visitors, 2000 to date; University of Wisconsin Department of Chemistry Board of Advisors, 2011 to date; Cornell University EMC<sup>2</sup> Center, 2010 to date; University of North Carolina EFRC, 2010 to date.

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**COOPER, ALAN B. North Jersey Section.** Fairleigh Dickinson University, Madison, New Jersey.

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

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

**Professional Positions** (for past ten years): Adjunct Professor, Medco School of Pharmacy at Fairleigh Dickinson University, 2012 to date; Merck Research Labs, Research Fellow, 2009-11; Schering-Plough Research Institute, Research Fellow, 2003-09; Senior Principal Scientist, 1998-03.

**Service in ACS National Offices:** Committee on Meetings and Expositions, 2009-12; Committee on Local Section Activities, 2003-08, Committee Associate, 2002; Committee on Divisional Activities, 1996-01; Task Force on Local Section/Division Interactions, 2002-04.

**Service in ACS Offices:** Member ACS since 1974. *North Jersey Section:* Councilor 1995-12; Chair, 1998, Chair-Elect, 1997; Professional Relations Committee, Chair, 2006; Finance Committee, 1999-06; Executive Committee, 1997-08; Program Planning Committee, Chair, 1999-08; National ACS Award for Team Innovation, 2001-02; Lifetime Achievement Award Subcommittee, 1998; Website Committee Chair, 2000 to date; Nominating Committee Member, 2000-05, Chair, 2000; *Indicator* Committee, 1999-03; Planning Committee, 1998 to date; Baekeland Award Jury, Foremen, 1997; “*From Bench to Pilot Plant Symposium*,” Organizing Committee, 2000, 1998, 1997; Topical Group Planning Committee, Chair, 1996 to date; Organic Topical Group, Chair, 1995. *Middle Atlantic Regional Meeting (MARM):* General Co-Chair, 2005; Alternate Delegate, 2005 to date; Program Chair, 1999.

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

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

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**CURRANO, JUDITH Philadelphia Section.** University of Pennsylvania, Philadelphia, Pennsylvania.

**Academic Record:** University of Rochester, B.A., 1998; University of Illinois, Urbana-Champaign, M.S., 1999.

**Honors:** ACS Undergraduate Award in Analytical Chemistry, 1997; University of Illinois-Urbana Champaign, Latzer Fellow, 1998-99; University of Rochester Xerox Scholar, 1994-98; University of Rochester Carl A. Whiteman, Jr. Teaching Award, 1998; Pfizer Summer Undergraduate Research Fellowship in Synthetic Chemistry, 1997.

**Professional Positions** (for past ten years): University of Pennsylvania, Head, Chemistry Library, 1999 to date; Interim Bibliographer for Mathematics & Physics, 2007-09.

**Service in ACS National Offices:** Committee on Chemical Abstracts Service, 2008-13, Committee Associate, 2007; Committee on Publications and Communications, 2009-12; ACS Publications Library Advisory Board, 2002-10; CAS Academic Advisory Group, 2004-10.

**Service in ACS Offices:** Member ACS since 1999. *Philadelphia Section:* Councilor, 2009-14, Alternate Councilor, 2005-08. *Chemical Information Division:* Secretary, 2008-09, *Chemical Information Bulletin* Editor, 2011 to date; Executive Committee, 2008-09; Education Committee, 2001 to date; Education Committee Consultant, 2007-08, 2003-04. *Middle Atlantic Regional Meeting (MARM):* Abstract/Program Book Chair, 2007.

**Member:** Special Libraries Association. *ACS Divisions:* Chemical Information.

**Related Activities:** Special Libraries Association Chemistry Division, Professional Development Chair, 2002-08; Membership Chair 2007-10; *Sessions co-organized at ACS National Meetings:* "Legal, Patent, and Digital Rights Management in Publishing," 244<sup>th</sup> ACS National Meeting, 2012; "Sustainable Chemical Information Education through Faculty and Librarian Partnerships," 239<sup>th</sup> ACS National Meeting, 2010; *Session co-organized at Biennial Conference on Chemical Education:* "Before and After Lab: Training Students in 'Non-Chemical' Research Skills," 2012; University of Illinois, Urbana-Champaign, Graduate Assistant, 1998-99. Royal Society of Chemistry Publications Library Advisory Board, 2011 to date. 3 journal articles, 2 encyclopedia chapters, 9 papers presented at ACS National Meetings.

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**HULL, Jr., WARREN D. *Eastern New York Section.*** (Retired) Forensic Investigation Center, Albany, New York.

**Academic Record:** State University of New York, Albany, B.S., 1970.

**Professional Positions** (for past ten years): Retired, New York State Police Forensic Investigation Center, Forensic Science, III, 1973-2009.

**Service in ACS National Offices:** Committee on Membership Affairs, 2005 to date; Electronic Dissemination of Meeting Content Task Force, 2010; Committee on Constitution and Bylaws, Committee Associate, 2004; Committee on Local Section Activities, 1998-03; Canvassing Committee, ACS Award in Analytical Chemistry, 1997-00, Chair, 2000.

**Service in ACS Offices:** Member ACS since 1974. *Eastern New York Section:* Councilor, 1993-12; Alternate Councilor, 1991-93; Chair, 1989-90; Chair-Elect, 1988-89; Past-Chair, 1991; Executive Committee, 1988-2012; International Committee, 1994-2004; National Chemistry Week Committee, 1989-94; Member and Hospitality Committee, 1979-86; Continuing Education Committee, 1978-85.

**Member:** Northeast Association of Forensic Scientists; American Society of Crime Labs, Director/Lab Inspector.

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**LOHSE, DAVID J. Division of Polymeric Materials: Science & Engineering** (Trenton Section). Retired, ExxonMobil Research & Engineering Company, Annandale, New Jersey.

**Academic Record:** Michigan State University, B.S. (Physics), 1974; B.S. (Computer Science), 1974; University of Illinois, Ph.D. (Materials Science), 1978.

**Honors:** ACS Fellow, 2010; Cooperative Research Award, ACS Division of Polymeric Materials: Science & Engineering, 2010; Distinguished Service Award, ACS Division of Polymeric Materials: Science & Engineering, 2008; Polymeric Materials: Science & Engineering, Fellow, 2005; American Physical Society, Fellow, 2000; NRC/NSF Postdoctoral Fellow, 1978-80.

**Professional Positions** (for past ten years): Retired, June 2011 to date; ExxonMobil Research & Engineering, Company, Corporate Strategic Research Labs, Distinguished Research Associate, 1988 to June 2011; Exxon Chemical Company, Staff Engineer, 1980-88.

**Service in ACS National Offices:** Council Policy Committee, (Nonvoting), 2010; Committee on Divisional Activities, 2005-10, Chair, 2010, Committee Associate, 2004; Board Committee on Planning, (Nonvoting), 2010; Committee on Meetings and Expositions, 2012 to date.

**Service in ACS Offices:** Member ACS since 1977. *Polymeric Materials: Science & Engineering Division:* Councilor, 2003-14, Chair, 1998, Chair-Elect, 1997, Vice-Chair, 1996, Secretary, 1995, Program Chair, 1993; Multidisciplinary Program Planning Group, Chair, 2011.

**Member:** American Physical Society (Fellow); New York Academy of Sciences; Society of Plastics Engineers. *ACS Divisions:* Polymer Chemistry and Polymeric Materials: Science & Engineering.

**Related Activities:** Editorial Boards, *European Polymer Journal*, *Advances in Polymer Technology*; Chair of seven symposia at ACS national meetings; Chair of Polymer Symposium at MARM, 1992; New York Academy of Sciences, Polymers Section Chair, 1990-92; Chair of Symposium at Rubber Division Meeting, 1986; 120 peer-reviewed publications (including co-authoring a book on “*Polymeric Compatibilizers*”); over 120 invited talks at national and international meetings; 40 granted US patents.

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**MASI, CHRISTOPHER J. Central Massachusetts Section.** Westfield State University, Oxford, Massachusetts.

**Academic Record:** College of the Holy Cross, A.B., 1990; Rensselaer Polytechnic Institute, Ph.D., 2003.

**Professional Positions** (past ten years): Westfield State University, Associate Professor, 2008-12, Assistant Professor, Westfield State University, 2002-08.

**Service in ACS National Offices:** Committee on Meetings and Expositions, 2012-13, Committee Associate, 2009-11.

**Service in ACS Offices:** Member ACS since 1996. *Central Massachusetts Section:* Councilor, 2008-14, Alternate Councilor, 2006-07; Chair-Elect, 2012, 2007, Chair, 2008-09. *Northeast Region Board:* Secretary, 2009-12.

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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; Society Committee on Chemical Education, 2001-09; Committee on Community Activities, 2004-09, Chair, 2007-09, Consultant 2010-12; Editorial Board, *Journal of Chemical Education*, 2010 to date; National Chemistry Week Task Force, 1999-04; Advisory Board, *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 21 years and CCED Coordinator for 5 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.

**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; Representative of the ACS at the IUPAC 2011 Organizing Committee, 2009-11; Representative of the American Chemical Society at the IUPAC 2011 World Congress, Organizing Committee; Chair of the Outreach Committee at the IUPAC 2011 World Congress Organizing Committee; 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; published 18 journal articles and a laboratory textbook.

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

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

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

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

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



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

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

**Related Activities:** Membership Affairs Committee, Categories & Dues Subcommittee, Chair 2009-11, Vice-Chair 2008; Facilitated two Leadership Development classes in the ACS Leadership Development System: Coaching and Feedback, and Collaboration Across Boundaries, 2009 to date; Committee on Chemistry and Public Affairs, YCC Liaison, 2001-06; ACS Science and Technology Congressional Visits Day in Washington, DC 2001, 2002, 2003; Chair, Scientific Review Committee, Mississippi Region VII Science Fair, 2006-09 and 2011-12; University of Mississippi Faculty Senate, Vice-President 2009-10, Chair, General Academic Affairs Committee 2008-09; Chair, Academic Subcommittee of the Intercollegiate Athletics Committee, 2007-12.

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

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

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

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

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

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

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

**Related Activities:** Committee on Science, Awards Subcommittee, 2011-12; Editor, *Annual Reports in Computational Chemistry*, 2008 to date, Co-Editor, 2006-08; Editorial Board Member, *Journal of Molecular Graphics and Modeling* (publication of the Molecular Graphics Society and the ACS COMP Division), 1998 to date; University of Oklahoma's faculty representative to Federal Demonstration Partnership to streamline grant application and reporting requirements, 2002-10.

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ELECTION TO  
COUNCIL POLICY COMMITTEE

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

Frank D. Blum	Lee H. Latimer
Mary K. Carroll	Willem R. Leenstra
Joseph A. Heppert	Carolyn Ribes
Martha G. Hollomon	Ellen B. Stechel

The Council must elect four individuals: The four candidates receiving the highest numbers of votes will be declared elected for the 2013-2015 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

Supplementary Information. Those members of the Council Policy Committee whose terms end on December 31, 2012, are as follows:

M. Elizabeth Derrick, Southwest Georgia Section  
Thomas R. Gilbert, Northeastern Section  
Willem R. Leenstra, Green Mountain Section  
Carolyn Ribes, Brazosport Section

M. Elizabeth Derrick and Thomas R. Gilbert are ineligible for reelection.

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

2011 - 2013

John E. Adams, Physical Chemistry (University of Missouri Section)  
Alan M. Ehrlich, Chemistry & The Law (Chemical Society of Washington Section)  
Mary Virginia Orna, History of Chemistry (New York Section)  
Dorothy Phillips, Northeastern Section

2012- 2014

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

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

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

**Honors:** Special Service Award, ACS Polymer Division, 2010; Fellow ACS Polymer Division, 2010; ACS Fellow, 2009; Special Service Award, ACS Polymer Division, 2002; Distinguished Service Award, ACS Polymer Division, 2002; Regents' Professorship, Oklahoma State University, 2011; Outstanding Graduate Alumni Award, Eastern Illinois University, 2011; Harrison I. Bartlett Chair, Oklahoma State University, 2009; Clarence J. Karcher Lecturer, University of Oklahoma, 2004; Jefferson Smurfit Lecturer, University College Dublin, Dublin, Ireland, 2002; Distinguished Alumni Award, Eastern Illinois University, 2001; Curators' Professorship, University of Missouri, Rolla, 1994; Exxon Education Foundation Award, 1994, 1997; Faculty Excellence Award, University of Missouri-Rolla, 1987-93; Alcoa Foundation, Science Support Award, 1992.

**Professional Positions** (for past 10 years): Oklahoma State University, Harrison I. Bartlett Chair, Regents' Professor and Chair of Chemistry, 2009 to date; University of Missouri, Rolla, Curators' Professor of Chemistry, 1994-10; Adjunct Professor of Materials Science and Engineering, 2006-10; Senior Investigator, Graduate Center for Materials Research, 1989-10.

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

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

**Member:** Rolla Board of Education, Director, 2001-04; North American Thermal Analysis Society. *ACS Divisions:* Colloid and Surface Chemistry; Polymer Chemistry; and Polymeric Materials: Science and Engineering.

**Related Activities:** Joint CPC-N&E Working Group on Electronic Voting at Council, 2008; University of Missouri Research Board, Member, 2006-08; President, President-Elect, Secretary, Parliamentarian, University of Missouri-Rolla Academic Council, 2004-08; Board of Reviewing Editors, *International Journal of Coatings Science*, 2003 to date; Graduation Keynote Speaker, Rolla Technical Institute, 2003; Chair, Graduate Council and Graduate Faculty (UMR), 1994-96; *Visiting Professor*, Physical Chemistry 1, Lund University, Lund, Sweden, 1997; *Visiting Scientist*, IBM Almaden Research Center, San Jose, CA, 1992; Research Scholar Award, Drexel University, 1983-84; Editor (w/ R. Laine), *Organic/Inorganic Hybrid Materials*; Symposium Organizer or Co-Organizer: Polymers, 56th ACS Pentasectional Meeting, Bartlesville, OK 2011; Polymer Surfaces and Interfaces, ACS, 2004; Missouri Magnetic Resonance Symposium, 2002, 1999, 1996-97, 1994, 1987-90; Advances in Filler Technology, ACS, 2001; Organic/Inorganic Hybrid Polymers Workshop, Division of Polymer Chemistry, Inc., 2001; Polymer Technology, Midwest Regional ACS, 1997; NMR Area Coordinator, FACSS, 1996; Polymer Interfaces, Intersociety Polymer Conference, 1995; Dispersed Systems and Effect of Added Polymer, Pacifichem, 1995; NMR of Polymers, FACSS, 1994; Symposium on Magnetic Resonance in Polymers, FACSS, 1989; Symposium on Polymer Science, Midwest Regional ACS, 1989; Symposium on Colloids and Interfacial Phenomena, Pacifichem, 1989; Symposium on Polymeric Microemulsions: Formation and Reactions of Polymerizable Microemulsions, ACS, 1987; published 200+ publications and supervised 27 Ph.D., 22 M.S., 8 Postdoctoral, and 12 undergraduate students in the areas of polymer science, colloid chemistry, NMR spectroscopy and friction materials.

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

**Academic Record:** Union College, B.S., 1986; Indiana University, Bloomington, Ph.D., 1991.

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

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

**Service in ACS National Offices:** Council Policy Committee, ex officio (Nonvoting), 2010-12; Program Review Advisory Group, 2010-11; Committee on Education, 2005-12, Chair, 2010-12, Committee Associate, 2001-04; Women Chemists Committee, 2004, Committee Associate, 2001-04; Advisory Board, Graduate Education, ex officio, 2010-12.

**Service in ACS Offices:** Member ACS since 1986. *Eastern New York Section:* Councilor, 1998-13, Alternate Councilor, 1995-97, Education Committee, 1993 to date, Acting Chair, 2004-07. *Northeast Regional Meeting:* Planning Committee, NERM'03 and NERM'97.

**Member:** Society for Applied Spectroscopy, Iota Sigma Pi. *ACS Divisions:* Analytical Chemistry; Chemical Education; Inorganic Chemistry; Polymer Chemistry.

**Related Activities:** Union College Chemistry Club (ACS Student Chapter): Faculty advisor, 1994-09; University at Buffalo, Research Assistant Professor, 1997-2000; University of Massachusetts, Amherst, Postdoc, 1991-92; Indiana University, Lecturer, 1990; Published 28 journal articles and two book chapters; holds two patents.

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

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

**Honors:** Kansas University, CTE Graduate Teaching Award, 1998; Keeler Intra-University, Professor, 1998; Chancellor's Fellow, 2002; Kansas University, Leading Light Award (for sponsored research funding), 2012.

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

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

**Service in ACS Offices:** Member ACS since 1979. *Wakarusa Valley Section (formerly University of Kansas Section):* Councilor, 1997-14; Alternate Councilor, 1994-96; Chair, 2004, 1993; Chair-Elect, 2003, 1992; Treasurer, 1991.

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

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

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**HOLLOMON, MARTHA G. Delaware Section.** Widener University, Newark, Delaware.

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

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

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

**Service in ACS National Offices:** Committee on Local Section Activities, 2007-10, Committee Associate, 2004; Committee on Meetings and Expositions, Committee Associate, 2011-12.

**Service in ACS Offices:** Member ACS since 1984. *Delaware Section:* Councilor, 2007-12, Chair, 2002, Chair-Elect, 2001. *Middle Atlantic Regional Meeting:* Chair, 2012, Secretary, 2007-11.

**Member:** Alpha Chi Sigma.

**Related Activities:** North Carolina University, Graduate, Research Assistant, 1993-98, Graduate Teaching Assistant, 1994-97; Research Triangle Institute, Chemistry III, 1989-94, Chemistry II, 1986-89, Chemistry I, 1985-86, Assistant Chemist, 1983-85.

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**LATIMER, LEE H. California Section.** Consultant, Oakland, California.

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

**Honors:** Walter B. Petersen Award, California Section, ACS, 2010; Rochester Section Award, ACS, 1991; Chemical Sciences Excellence Award, Elan Pharmaceuticals, 2009; Gold Team Achievement Award, Kodak Research Labs, 1992; NIH Post-Doctoral Fellowship, 1977-79; Phi Beta Kappa; Sigma Xi; Phi Eta Sigma; Tulane University Scholar, 1967-71.

**Professional Positions** (for past ten years): Consultant, 2011 to date; Elan Pharmaceuticals, Associate Director, Medicinal Chemistry to Senior Director, Process and Analytical Chemistry, 1995-11, Chemical Hygiene Officer, 2004-09.

**Service in ACS National Offices:** Council Policy Committee, ex officio (Nonvoting), 2010-12; Committee on Local Section Activities, 2007-12, Chair, 2010-12; Fellows Oversight Committee, 2010-11; Committee on Public Relations and Communications, 2003-06, 1994-98, Committee Associate, 2001-02, 1993; Board Committee on Planning, 2011-12, (Nonvoting), 2010; Leadership Institute, Track Leader for Local Sections, 2010-12; Leadership Institute Planning Group, 2011-12; Canvassing Committee, Grady-Stack Award, 1996-98.

**Service in ACS Offices:** Member ACS since 1972. *California Section:* Councilor, 2004-12, Alternate Councilor, 2003, Chair, 2004, Chair-Elect and Program Committee Chair, 2003, Long Range Planning Committee, Co-chair, 2003, 2005, Nominations and Elections Committee Chair, 2005, Audit Committee Chair, 2010. *Rochester Section:* Alternate Councilor, 1991-93, Chair, 1988, Chair-Elect, 1987, Nominations and Elections, 1989, NCW Chair, 1989-91, High School Exam and Awards Committee, 1985-87. *Western Region Board:* Board, 2007 to date, Vice-Chair, 2010 to date. *2013 Western Regional Meeting:* Santa Clara, General Co-Chair, October, 2013.

**Member:** American Association for the Advancement of Science (AAAS); American Association of Pharmaceutical Scientists (AAPS). *ACS Divisions:* Analytical Chemistry; Business Development and Management; Chemical Health & Safety; Medicinal Chemistry; Organic Chemistry and Small Chemical Business.

**Related Activities:** Chemists in the Community, Co-organizer, San Francisco ACS National Meeting, 2006; Student Interview Skills Workshops, Co-founder and Co-organizer, joint project of California and Santa Clara Valley Sections, ACS and Norcal Section of AIChE, 2004 to date; Tulane University, Board of Advisors, School of Science and Engineering, 2006 to date; Chemistry Laboratory Design & Construction Lead, Elan Pharmaceuticals, 2001, 2008-09, 2010-11; Rochester Council of Scientific Societies, President, 1990-93; Medicinal Chemistry of Neurodegeneration, Inc., Secretary/Treasurer; 5<sup>th</sup> International Symposium on Medicinal Chemistry of Neurodegeneration, 2002; Sterling Winthrop Incorporated, 1993-95; Kodak Research Labs, 1979-93; Co-inventor on more than 55 issued U.S. Patents, more than 35 publications and invited presentations.

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**LEENSTRA, WILLEM R. Green Mountain Section.** University of Vermont, Burlington, Vermont.

**Academic Record:** California State University, Hayward, B.S., 1969; University of Washington, Ph.D., 1979.

**Honors:** E. Ann Nalley ACS Northeast Region Award for Volunteer Services, 2009; Green Mountain Local Section Emerald Award, 2006; Finalist, Kroepsch-Maurice Teaching Award, 2012, University of Vermont; Graduate Teaching Award, 1974, University of Washington.

**Professional Positions** (for past ten years): University of Vermont, Associate Professor, 1986 to date; Special Assistant to the Provost, 2002-03; Department Chair, 1999-02, 1991-92.

**Service in ACS National Offices:** Council Policy Committee, (Nonvoting), 2010-12, 2007-09; Committee on Local Section Activities 1998-03, Committee Associate, 1997; Committee on Meetings and Expositions, 2004-09, Chair, 2007-09; Committee on Local Section Activities 1998-03, Committee Associate, 1997; Task Force on Duties and Responsibilities, 2012.

**Service in ACS Offices:** Member ACS since 1975. *Green Mountain Section:* Councilor, 1996-13, 1985-89, Chair, 1993-95, 1984-85, Chair-Elect, 1992-93, 1983-84, Alternate Councilor, 1990-95, Program Chair, 1983-84, Secretary, 1982-84. *Northeast Regional Board:* Secretary, 2005-07; 35<sup>th</sup> *Northeast Regional Meeting*, 2008, General Chair, 24<sup>th</sup> *Northeast Regional Meeting*, 1994, General Chair.

**Member:** *ACS Division:* Physical Chemistry.

**Related Activities:** Council Policy Committee, Subcommittee on Constitution and Bylaws 2010-12, Subcommittee on Long-Range Planning 2011-12; Meetings & Expositions, Regional Meetings Subcommittee Chair, 2006; Invited Speaker at the Materials Science symposium, 43<sup>rd</sup> IUPAC World Chemistry Congress, San Juan, Puerto Rico, 2011; Symposium Organizer, Layered and Optical Materials at NERM2007; Symposium Organizer, Layered Materials at NERM2008; ACS ReACT Committee, 2005-07; Co-Founder of Endyne Environmental Testing Laboratory, Vermont and New York; Consultant, Pearson Publishing.

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

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

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

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

**Service in ACS National Offices:** Council Policy Committee, 2010-12, Vice Chair, 2011-12; Committee on Science, 2006-09, Chair, 2007-09; Women Chemists Committee, 2000-05, Chair, 2003-05, Committee Associate, 1999; Younger Chemists Committee, 1995-98, Chair, 1997-98, Committee Associate, 1994; PROGRESS Steering Team, 2002-05; International Strategy Implementation Group, 2008; Board Committee on Planning, 2010-12; Joint Subcommittee on Diversity, Chair, 2006-07.

**Service in ACS Offices:** Member ACS since 1983. *Brazosport Section:* Councilor, 2006-14, Alternate Councilor, 2000-05. *Baton Rouge Section:* Alternate Councilor, 1997, Chair, 1992, Chair-Elect, 1991. *Analytical Chemistry Division:* Treasurer, 1999-04.

**Member:** International Union of Pure and Applied Chemistry; Iota Sigma Pi.

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

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

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

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

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

**Service in ACS Offices:** Member ACS since 1994. *Division of Physical Chemistry:* Councilor, 2001-09; Past Chair, 1999; Chair, 1998; Chair-Elect and Program Chair, 1997; Vice-Chair, 1996; Vice-Chair-Elect, 1995.

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

**Related Activities:** Elected Executive Committee Member, Topical Group on Energy Research and Applications, American Physical Society.

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ELECTION TO  
COMMITTEE ON NOMINATIONS AND ELECTIONS

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

Cherlynlavaughn Bradley	Carol B. Libby
Dwight W. Chasar	Les W. McQuire
Catherine E. Costello	Donivan R. Porterfield
Milagros Delgado	Robert A. Pribush
Kevin J. Edgar	Steven W. Yates

The Council must elect five individuals: The five candidates receiving the highest numbers of votes will be declared elected for the 2013-2015 term. All the candidates have indicated their willingness to serve if elected. Biographies of the candidates are presented in summary form at the end of this item.

Supplementary Information. Those members of the Committee on Nominations and Elections whose terms end on December 31, 2012, are as follows:

Dwight W. Chasar, Cleveland Section  
Milagros Delgado, South Florida Section  
Kevin J. Edgar, Cellulose and Renewable Materials (Virginia Blue Ridge Section)  
Sharon P. Shoemaker, Biochemical Technology (Sacramento Section)  
Ellen B. Stechel, Physical Chemistry (Central New Mexico Section)

Sharon P. Shoemaker and Ellen B. Stechel are ineligible for reelection.

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

2011-2013

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

2012-2014

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

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**BRADLEY, CHERLYNLAVAUGHN Chicago Section.** (Retired) BP-Amoco, Naperville, Illinois.

**Academic Record:** Illinois Wesleyan University, B.A., 1973; Northwestern University, M.S., 1975; Ph.D., 1978.

**Honors:** Distinguished Service Award, Chicago Section ACS, 2002; Mortar Board Honor Society, 2010; Chicago Association of Technological Societies Award of Merit, 1996; ASTM Committee D-2 on Petroleum Products and Lubricants Certificate of Appreciation, 1994; Amoco Research Leadership Program, 1991; Robert M. Montgomery Outstanding Young Alumnus Award, Illinois Wesleyan University, 1985.

**Professional Positions** (for past 10 years): Retired, BP-Amoco 1999; Consultant, 1999 to date; Amoco Corporation, Analytical Services Division, Quality Assurance Manager, 1990-99; Senior Research Scientist, 1990-99; Analytical Liaison and Consultant, Refining Technology, 1992-08.

**Service in ACS National Offices:** Committee on Committees, 2006-11; Committee on Project SEED, 1996-04, Committee Associate, 1994-95; Committee on Chemical Safety, 2001-05, Committee Associate, 1999-00; Meetings and Exposition, Committee Associate 2012.

**Service in ACS Offices:** Member ACS since 1974. *Chicago Section:* Councilor, 1993-13; Alternate Councilor, 1991-92; Chair, 1995-96; Chair-Elect, 1994-95; Vice-Chair, 1993-94; Treasurer, 1992-93; *The Chemical Bulletin*, Newsletter Editor, 2001-12; Project SEED Committee Co-Chair, 1996-08, Chair, 1989-95; Nominations Committee, 2007, 2005, 2001, 1992, 1986, 1984; Director, 2010-12, 2006-08, 1999-01, 1996-97, 1989-92, 1984-88; Analytical Topical Group Program Chair, 1982-83; House Committee, 2001, 1992-93, Co-Chair, 1999-00; Long-range Planning Committee, 2000-11; Chemistry Day Committee, 2005-06, 1995; ACS Illinois Sections Cooperative State Fair Project Co-Chair and Co-Founder, 2004-12.

**Member:** American Society for Testing and Materials; BP Volunteers Retirees Group-Naperville Chapter, Chair, 2002 to date. *ACS Divisions:* Analytical Chemistry; Chemical Health and Safety; Chemistry and the Law; Petroleum Chemistry and Professional Relations.

**Related Activities:** Committee on Chemical Safety, Partnerships Subcommittee Chair, 2004-05; Committee on International Activities, ConC Liaison, 2006-08; Committee on Minority Affairs, ConC Liaison, 2006-09; Women Chemists Committee, ConC Liaison, 2009-11; Joint Subcommittee on Diversity, ConC representative, 2007-11; American Society for Testing and Materials: Study Group on Gas Chromatography-Oxygenates, Chair, 1990-98; Liaison to California Air Resources Board, 1996-97; Liaison to Environmental Protection Agency, 1994-97; Ethylene Study Group, Chair, 1993; over 11 external papers and over 50 internal company proprietary publications and presentations.

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

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

**Honors:** ACS Fellow, 2011; Phi Eta Sigma; Phi Theta Kappa; Goodrich Technical Recognition Award, 1983; National Science Foundation College Teacher Summer Fellowship, 1973; National Science Foundation Fellowship, 1965.

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

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

**Service in ACS Offices:** Member ACS since 1965. *Cleveland Section:* Councilor, 1987-13; Alternate Councilor, 1986, 1981; Chair, 1982; Chair-Elect and Program Chair, 1981; Treasurer, 1979-80; *ISOTOPICS* Editor, 1976-78; National Chemistry Week Committee, 1991; Archives Committee, 1989-2012; Morley Award Jury, 1986-91; Nominating Committee Chair, 1983; Budget Committee, 1979-80. *Central Regional Meeting:* Program Co-Chair, 1985. *Rubber Division:* Editorial Board, *Rubber Reviews* and *Rubber Chemistry and Technology*, 2002-10.

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

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

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

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

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

**Professional Positions** (for past ten years): Boston University, School of Medicine, Professor of Biochemistry and Biophysics, Founding Director, 1994 to date; Mass Spectrometry Resource, Founding Director, 1994 to date; Cardiovascular Proteomics Center, 2002 to date, Adjunct Professor of Chemistry, 2008 to date.

**Service in ACS National Offices:** Committee on Ethics, 2006-12; Division Action Team, 2007; Committee on International Activities, 1997-05, Chair, 2004-05, Committee Associate, 1995-96, 1992-93; Disciplinary Task Force, 2005; Committee on Constitution and Bylaws, 1994-99.

**Service in ACS Offices:** Member ACS since 1964. *Northeastern Section:* Councilor, 1989-12; Alternate Councilor, 1986-88; Chair-Elect, 2013; Committee on Constitution and Bylaws, 1997-12, Chair, 1997-12; Finance Committee, 2002-03; Publications Committee, 1988-93, Chair, 1993, 1990; Nominations Committee, 2011, 2005, 1992, 1987, 1982-83.

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

**Related Activities:** ACS Tour Speaker, 1974-92; American Society for Mass Spectrometry, Immediate Past President, 2005-06, President, 2002-04, VP for Programs, 2000-02, VP for Arrangements, 1985-87; Human Proteome Organization, President, 2011-12; Senior VP, 2009-10, Board, 2004-08; Society for Glycobiology, Executive Board, 1998-2000, Nominating Committee, 2002; IUPAC, US National Committee, 2003-09; National Institutes of Health: Physiological Chemistry Study Section, 1993-97, Biomedical Research Technology Study Section, 1986-89, Chair, 1989; US Human Proteome Organization Board, 2004 to date; Boston Glycobiology Discussion Group, co-

President, 1992 to date. *Mass Spectrometry Reviews*, Editorial Board; *Rapid Communications in Mass Spectrometry*, Editorial Board; *European Journal of Mass Spectrometry*, Editorial Board; *Mass Spectrometriya*, Editorial Board; *Amyloid: International Journal of Protein Folding Disorder*, Editorial Board; *Molecular and Cellular Proteomics*, Editorial Board, 2006-11; *Analytical Chemistry*, Editorial Board, 2005-07; *Analytical Biochemistry*, Associate Editor, 1999-02; member several advisory committees for academic and research laboratories in US, Puerto Rico, Canada and Sweden; author or co-author of about 300 scientific papers, frequent invited lecturer at national and international meetings.

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**DELGADO, MILAGROS (Milly) South Florida Section.** Florida International University, Biscayne Bay Campus, North Miami, Florida.

**Academic Record:** University of Puerto Rico, B.S., 1980; University of Miami, Ph.D., 1987.

**Honors:** Miami-Dade County Schools Volunteer of the Year Award, First Runner-Up, 2003; Florida International University TIP Award, 1997; Florida International University Finalist, Service Award 1997; Florida International University Excellence in Teaching Award, 1995; McKnight Fellow, 1993; Sigma Xi.

**Professional Positions** (for past ten years): Florida International University, Senior Lecturer, 2012 to date; Lecturer, 1994-11.

**Service in ACS National Offices:** Committee on Nominations and Elections, 2010-12; Committee on Committees, 2004-09; Committee on Project SEED, 1995-03, Chair, 2001-03, Committee Associate, 1994; Committee on Minority Affairs, 1998-04, Committee Associate, 1997; Committee on Education, Committee Associate, 1998-99; Task Force on National Committee Restructuring, 2008.

**Service in ACS Offices:** Member ACS since 1983. *South Florida Section:* Councilor, 1996-13; Secretary, 1995-10; Membership Subcommittee Chair, 1998-10, 1995; ACS Scholars Selection Committee, 2001 to date; Project SEED Scholarship Committee, 1995-03, Chair, 1996-2000. National Awards, Canvassing Committee on Encouraging Minorities into Careers in Science, Chair 2009; Selection Committee on Encouraging Women into Careers in Science, 2009-12.

**Member:** Society for the Advancement of Chicanos and Native Americans; American Association for the Advancement of Science. *ACS Division:* Chemical Education.

**Related Activities:** Citizen Advisory Committee Miami Dade Public Schools, 2012 to date; Leadership Subcommittee of Committee on Committees, 2004-09; Student Affiliate Chapter Advisor of Biscayne Bay Campus Chapter, 2001 to date; Miami-Dade County Public School Region 2, Science Advisory Board 1998 to date; Miami-Dade County Public School Region 2 Feeder Pattern Coordinator 2003-05; Academy of the Art of Teaching, Advisory Board 1997 to date; ACS Scholar Mentor 1994-06; Florida International University, Student Affiliate Chapter, Co-Advisor 1993-95; Florida International University, Assistant Professor, 1990-94; Visiting Professor, 1989-90; National Chemistry Week, Dade County, 1989 to date; University of Miami, Research Associate, 1989-90; University of Oxford, England, Post-doctoral Fellow, 1988-89.

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

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

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

**Professional Positions** (for past ten years): Virginia Tech, Professor, Biomaterials & Bioprocessing, 2007 to date; Adjunct Professor, Chemistry, 2008 to date; Eastman Chemical Company, Technology Fellow and Technology Manager, 1979-07.

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

**Service in ACS Offices:** Member ACS since 1976. *Cellulose and Renewable Materials Division:* Councilor, 2008-13, Chair, 2003-04, Chair-Elect, 2002, Program Chair 2000-02. *Northeast Tennessee Section:* Councilor, 1997-07, Chair, 1988-89, Chair-Elect and Program Chair, 1987-88. *Southeast Regional Meeting:* Program Co-chair, 1993.

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

**Related Activities:** Chair, N&E Task Force on Electronic Distribution of Meeting Content, 2011; Associate Editor, *Cellulose*; Associate Editor, *Carbohydrate Polymers*; Founder of Gordon Conference on Chemistry of Polysaccharides, semiannual Gordon Conference rotated between North America, Europe, and Asia. Published 35 journal articles, wrote 3 book chapters, edited 2 books, and holds 19 US patents in organic chemistry, polysaccharide chemistry, and drug delivery.

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**LIBBY, CAROL BAKER Lehigh Valley Section.** Moravian College, Bethlehem, Pennsylvania.

**Academic Record:** The Pennsylvania State University, B.S., 1971; Ph.D., 1975.

**Professional Positions** (for past 10 years): Moravian College, Adjunct and Visiting Professor, 1999 to date.

**Service in ACS National Offices:** Committee on Local Section Activities, 2007-12, Committee Associate, 2005-06; Committee on Minority Affairs, Committee Associate, 2010-12; Women Chemists Committee, 1991-99, Consultant, 2004-05, Committee Associate, 1990-91.

**Service in ACS Offices:** Member ACS since 1975. *Lehigh Valley Section:* Councilor, 2004-12, Alternate Councilor, 2001-03. *Maine Section:* Alternate Councilor, 1990-92, Secretary, 1987-88. *Decatur-Springfield Section:* Chair, 1982, Chair-Elect, 1981.

**Member:** American Association for the Advancement of Science; Association for Women in Science. *ACS Division:* Biochemical Technology.

**Related Activities:** Lafayette College, Adjunct Professor, 2000; Lehigh University, Visiting Scientist, Instructor, 1995-98; Organizer of symposium "Women Influencing Chemical Education: Textbook Authors," 7th Biennial Conference on Chemical Education, 2002; Organizer of symposium "Targeting Success: Local Section Programming for Women Chemists," 217th National Meeting, Anaheim, 1999; Organizer of symposium "Chemical Education of Women in the 1990's: The Graduate and the Undergraduate Experience," 203rd National Meeting, San Francisco, 1992; Scientific Alternatives, Ltd., Partner, 1998-2000; Digestive Care, Inc., Senior Research Scientist, 1992-95; University of Maine at Farmington, Visiting Assistant Professor 1991-92, 1986-87; Colby College, (Visiting) Assistant Professor of Chemistry, 1987-91, 1985-86; Iowa State University, Visiting Scientist, Department of Chemical Engineering, 1990; Massachusetts Institute of Technology, Visiting Scientist, Department of Chemistry, 1989; Best Foods Research & Engineering Center, Senior Biochemist, 1983-85; A.E. Staley Manufacturing Company, Research Chemist, 1979-82; Skidmore College, Assistant Professor of Chemistry and Physics, 1977-79; Kenyon College, Visiting Assistant Professor of Chemistry, 1975-77; Oberlin College, Visiting Assistant Professor of Chemistry, 1974-75.

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

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

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

**Professional Positions** (for past ten years): Novartis Pharmaceutical Corporation, Oncology Development, Senior Global Program Manager, 2010 to date; Novartis Institute for BioMedical Research, Research Scientist to Senior Research Investigator, 1992-10.

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

**Service in ACS Offices:** Member ACS since 1992. *North Jersey Section:* Councilor, 1999-13; Chair, 2000; Chair-Elect, 1999; National Chemistry Week, 1999-05; National Awards Nomination Committee, 2003-09; Nomination Committee, 2000-11, Chair, 2002; Awards Committee, 2002-09; Baekeland Award, Jury Foreman, 1999; Baekeland Symposium Committee, 1999-03, Co-Chair, 2001, 2003; Meetings and Arrangements Co-Chair, 1999; Finance Committee, 1999-09; *The Indicator* Committee Chair, 2003-12, *The Indicator* Editorial Board Co-chair, 2008-12; Planning Committee, 1999-12; Industrial Relations Committee, 1999-05; Organic Topical Group, Chair, 1997; Treasurer, 1996; "Chemistry as a Life Science Symposium" Organizing Committee, 1996-2000. *MARM:* Program Co-Chair, 2005. *Medicinal Chemistry Division:* Long-Range Planning Committee, 2001-04.

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

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

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

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

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

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

**Service in ACS National Offices:** Committee on Economic and Professional Affairs, 2012; Committee on Nomenclature, Terminology and Symbols, 2009-12; Committee on Meetings & Expositions, 2004-10.

**Service in ACS Offices:** Member ACS since 1984. *Central New Mexico Section:* Councilor, 2003-12, Chair, 2011, 2000-02, Chair-Elect, 2010, 1999, Treasurer, 1996-98. *17th Rocky Mountain Regional Meeting:* General Chair, 2002.

**Member:** *ACS Divisions:* Analytical Chemistry and Nuclear Chemistry & Technology.

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

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

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

**Honors:** Lilly Foundation Open Faculty Fellow, 1992; Phi Kappa Phi, Chapter President, 1989-98; Holcomb Research Institute Fellow, 1983.

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

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

**Service in ACS Offices:** Member ACS since 1969. *Indiana Section:* Councilor 1991-13; Alternate Councilor, 1982-90; Chair, 1980; Chair-Elect, 1979; Education Committee, 1986-92, 1982, 1975-79, 2009 to date, Chair, 1986-92, 1979, 2009 to date; Program Committee Chair, 1982, 1977; Executive Committee, 1976 to date. 2013 National Meeting Leadership Team, 2012 to date. *Central Regional Meeting:* Symposium Chair, 2011; Program Chair, 2004. *Joint Central-Great Lakes Regional Meeting:* Symposium Chair, 1991. *Division of Chemical Education:* Examinations Institute, General Chemistry Laboratory Assessment Exam, 2009 to date; Diagnostic Test of Undergraduate Chemical Knowledge Exam Committee, Chair, 2006; Inorganic Chemistry Exam Committee, 2000; Chair, 2000-02; General Chemistry Exam Committee, 1991-96; Chair, 1994-96; *ChemEd* 83 Advisory Board, Chair 1981-83.

**Member:** Indiana Science Olympiad Board of Directors, 1993-11, Treasurer, 1999-11; National Science Teachers Association; Indiana Academy of Science; Indiana Alliance of Chemistry Teachers. *ACS Division:* Chemical Education.

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

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**YATES, STEVEN W. Division of Nuclear Chemistry and Technology** (Lexington Section).  
University of Kentucky, Lexington, Kentucky.

**Academic Record:** University of Missouri, B.S., 1968; Purdue University, Ph.D., 1973.

**Honors:** ACS Fellow, 2009; ACS Glenn T. Seaborg Award for Nuclear Chemistry, 2006; Southeastern Conference Academic Consortium Faculty Achievement Award, 2012; International Union of Pure and Applied Chemistry, Fellow, 2002; ACS Student Affiliates Teacher of the Year Award, University of Kentucky 1982-83; William B. Sturgill Award for Outstanding Contributions to Graduate Education, University of Kentucky, 1994; Distinguished Professor of the College of Arts & Sciences, University of Kentucky, 1993-94; Chancellor's Award for Outstanding Teaching, University of Kentucky, 1992; University of Kentucky Research Foundation Award, 1981; Procter and Gamble Fellow, 1972-73; Sigma Xi; Phi Lambda Upsilon; Phi Kappa Phi; Pi Mu Epsilon.

**Professional Positions** (for past ten years): University of Kentucky, Professor of Chemistry, 1975 to date; Chair, Department of Chemistry, 2005-09; Professor of Physics and Astronomy, 2004 to date; Arts and Sciences Distinguished Professor, 2008 to date; Visiting Scientist, TRIUMF, University of British Columbia, 2009-10.

**Service in ACS National Offices:** Committee on Divisional Activities, 2009-10; Committee on Science, 1999-07; Committee on Meetings & Expositions, 1997-02, Committee Associate, 2011-12, 1996; Canvassing Committee, Nuclear Chemistry Award, 2000-03; Governance Review Action Team B, 2007; Glenn T. Seaborg Award Selection Committee, 2008-10, Chair, 2009-10.

**Service in ACS Offices:** Member ACS since 1971. *Division of Nuclear Chemistry and Technology:* Councilor, 2008-13, 1995-03; Chair and Program Chair, 1992; Executive Committee, Member-at-Large, 2004-06; Publications Committee, 1993-98, Chair, 1993-98; Nominations Committee, 1993-96, Chair, 1993; Nuclear Science Advisory Committee Liaison, 1990-93; Nuclear Chemistry Summer School Selection Committee, 1994-97, Chair, 1997; Undergraduate Awards Committee,



1981-87, Chair, 1983-87; Education Committee, 1981-89. *Lexington Section:* Alternate Councilor, 2005-07; Councilor, 1987-89; Chair, 1985-86; Program Chair, 1984; Executive Committee, 1983-89, Chair, 1985.

**Member:** American Association for the Advancement of Science; American Physical Society; Kentucky Academy of Science; Alpha Chi Sigma. *ACS Divisions:* Chemical Education and Nuclear Chemistry and Technology.

**Related Activities:** LBNL Neutron Beam Line, Project Review Committee, 2005; IUPAC U.S. National Nominating Committee, 2001; *Handbook on Nuclear and Radiochemistry*, International Advisory Board, 2000-11; Los Alamos Neutron Science Center, Program Advisory Committee, 2001-03; National Academy of Sciences (NAS) National Research Council (NRC), Board on Chemical Sciences and Technology, 1999-02; IUPAC Commission on Radiochemistry and Nuclear Techniques, 1998-01; LANL GEANIE Detector Council, 1997-2000, LBNL 88-Inch Cyclotron Program Advisory Committee, 1994-98; *Journal of Radioanalytical and Nuclear Chemistry*, Editorial Advisory Board, 1993-04, Reviews Editor, 1993-02, Editor of 5 special issues; NRC-Institute of Medicine, Committee on Biomedical Isotopes, 1993-95; BNL High-Flux Beam Reactor Program Advisory Committee, 1992-98; International Atomic Energy Agency Advisory Group, Thailand, 1991; NAS-NRC, Committee on Nuclear and Radiochemistry, 1990-93; DOE-NSF, Nuclear Science Advisory Committee, 1990-93; over 200 published journal articles.

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## REQUEST FOR SUGGESTIONS FOR 2014 ELECTED COMMITTEES

### A Reminder

At the Council meeting in Philadelphia, Pennsylvania, Councilors will elect members to the Committee on Committees, Council Policy Committee, and Committee on Nominations and Elections to fill 2013-2015 terms. The process to select nominees for 2014-2016 terms will begin almost immediately. The Committee on Nominations and Elections therefore asks each Councilor to examine the following list of elected committee positions with terms ending on December 31, 2013, and the list of the other members of these committees. Names of individuals suggested for nomination should be inserted on the form on pages **42-43**. This form may be left on the registration table as you leave the Council meeting or emailed to the Chair of the Committee: Dr. William H. (Jack) Breazeale, Jr., nomelect@acs.org.

### COMMITTEE ON COMMITTEES

Members of the Committee on Committees (ConC) whose terms end on December 31, 2013, are:

Janet Bryant, Business Development & Management (Richland Section)  
H.N. Cheng, Polymer Chemistry (Louisiana)  
Amber S. Hinkle, Greater Houston Section  
V. Michael Mautino, Pittsburgh Section  
Yorke E. Rhodes, New York Section

All are eligible for reelection.

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

#### Term ending December 31, 2012

Bryan Balazs, California Section  
Dawn A. Brooks, Indiana Section  
Rigoberto Hernandez, Georgia Section  
Les W. McQuire, North Jersey Section  
Ingrid Montes, Puerto Rico Section  
Howard M. Peters, Santa Clara Section  
Frankie K. Wood-Black, Chemical Health & Safety (North Central Oklahoma Section)

#### Term ending December 31, 2014

Bonnie Lawlor, Chemical Information (Philadelphia Section)  
Zaida C. Morales-Martinez, South Florida Section  
Sara J. Risch, Agricultural & Food Chemistry (Chicago Section)

ConC nominees for 2013-2015 terms are listed in the agenda for the Council meeting in Philadelphia, Pennsylvania under "Election to Committee on Committees." Names of those elected will be announced at that meeting. Rigoberto Hernandez, Les W. McQuire, Howard M. Peters, and Frankie K. Wood-Black are ineligible for reelection.

### **COUNCIL POLICY COMMITTEE**

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

John E. Adams, Physical Chemistry (University of Missouri Section)  
Alan M. Ehrlich, Chemistry & The Law (Chemical Society of Washington Section)  
Mary Virginia Orna, History of Chemistry (New York Section)  
Dorothy Phillips, Northeastern Section

Mary Virginia Orna and Dorothy Phillips are ineligible for reelection.

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

#### **Term ending December 31, 2012**

M. Elizabeth Derrick, Southwest Georgia Section  
Thomas R. Gilbert, Northeastern Section  
Willem R. Leenstra, Green Mountain Section  
Carolyn Ribes, Brazosport Section

#### **Term ending December 31, 2014**

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

CPC nominees for the 2013-2015 term are listed in the agenda for the Council meeting in Philadelphia, Pennsylvania under "Election to Council Policy Committee." Names of those elected will be announced at that meeting. M. Elizabeth Derrick and Thomas R. Gilbert are ineligible for reelection.

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

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

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

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

Angela K. Wilson is ineligible for reelection.

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

Term ending December 31, 2012

Dwight W. Chasar, Cleveland Section  
Milagros Delgado, South Florida Section  
Kevin J. Edgar, Cellulose and Renewable Materials (Virginia Blue Ridge Section)  
Sharon P. Shoemaker, Biochemical Technology (Sacramento Section)  
Ellen B. Stechel, Physical Chemistry (Central New Mexico Section)

Term ending December 31, 2014

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

N&E nominees for the 2013-2015 term are listed in the Council agenda for the Council meeting in Philadelphia, Pennsylvania, under "Election to Committee on Nominations and Elections." Names of those elected will be announced at that meeting. Sharon P. Shoemaker and Ellen B. Stechel are ineligible for reelection.

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

Dear Dr. Breazeale:

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

(Please Print)

COMMITTEE ON COMMITTEES (Councilors only)

Name_____	Name_____
Address_____	Address_____
Affiliation_____	Affiliation_____
Name_____	Name_____
Address_____	Address_____
Affiliation_____	Affiliation_____

COUNCIL POLICY COMMITTEE (Councilors only)

Name_____	Name_____
Address_____	Address_____
Affiliation_____	Affiliation_____
Name_____	Name_____
Address_____	Address_____
Affiliation_____	Affiliation_____

COMMITTEE ON NOMINATIONS AND ELECTIONS (Councilors only)

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

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

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

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

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

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

Sincerely,

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

\_\_\_\_\_  
(address)

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

(This form must be received by Dr. Breazeale no later than October 31, 2012.)

## BALLOT COUNTS, PREVIOUS ELECTIONS

The Committee on Nominations and Elections regularly reports in the Council agenda the numerical results of balloting from elections at the previous meeting. The following tabulations give the numerical results of the balloting at the March 28, 2012, meeting of the Council for selection of candidates for 2013 President-Elect. Also reported are the results of mail ballots (March 12, 2012) for the selection of candidates for Director from District I and for Director from District V for 2013-2015 terms. Nominees selected as the candidates are identified by an asterisk.

### 2013 PRESIDENT-ELECT

*Thomas J. Barton	249
*Luis A. Echegoyen	297
William A. Lester	98
Barry M. Trost	190

### DIRECTOR, DISTRICT I

Barbara J. Garrison	13
*Thomas R. Gilbert	30
*Neil D. Jespersen	22
Julianne M. D. Smist	14

### DIRECTOR, DISTRICT V

*John E. Adams	21
Frank D. Blum	20
*Peter K. Dorhout	28
Frankie K. Wood-Black	13

\* Individuals nominated

## REPORT OF THE PRESIDENT

My Fellow Councilors,

The current unemployment rate of chemical scientists and the general economic conditions in the United States and elsewhere around the world are areas of concern to ACS and to the entire chemical enterprise. The political and economic dynamics everywhere have immediate and long-lasting effects at all levels of government, on all educational institutions, in industry, on individuals, families, and all society. The challenge for ACS, as a professional society whose mission is to advance the chemical enterprise and its practitioners for the benefit of Earth and its people, is to articulate our appropriate role(s) now and in the immediate future.

I am pleased that, so far, considerable progress has been achieved on three of my four presidential initiatives.

(1) The ACS Presidential Commission on Graduate Education is the Chemical Sciences and its six working groups are addressing the two big questions I stated in my charge:

- What are the purposes of graduate education in the chemical sciences?
- What steps should be taken to ensure that graduate education addresses important societal issues as well as the needs and aspirations of graduate students?

and answering five more questions:

- 1- Is the current departmental structure in the chemical sciences a strength or a weakness with respect to graduate education?
- 2- What are the employment issues for graduate students in both industrial and academic settings?
- 3- What are the financial support mechanisms for graduate education in the chemical sciences?
- 4- Is the current profile of our graduates the correct one?
- 5- What are the expectations of graduate students?

The Commission will be holding a listening session at the ACS Philadelphia meeting on Monday, August 20, from 1:30 - 3 p.m., in Franklin Hall 13 of the Philadelphia Downtown Marriott Hotel.

The Commission Report is due on December 1, 2012. Direct electronic contact with the Commission can be made at: [graduatecommission@acs.org](mailto:graduatecommission@acs.org)

(2) The ACS Climate Science Toolkit is in the final stage of review. Additional units have been added along with narratives. The Toolkit can be accessed now at [www.acs.org/climatescience](http://www.acs.org/climatescience). Short workshops aimed at the ACS Philadelphia meeting attendees will be held at the Expo Theatre at the ACS Booth in the Exhibition Hall. A presidential challenge grant activity aimed at engaging ACS sections and divisions will be announced following the ACS Philadelphia national meeting. I express thanks to the Council for the excellent discussion at our San Diego meeting and to all those who continue to contribute. Direct contact with ACS Presidential Working Group on Climate Science can be made at [climatescience@acs.org](mailto:climatescience@acs.org)



- (3) This year is the Sesquicentennial of the Morrill Land Grant Act which 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. We celebrate this sesquicentennial with a retrospective look at our rich contributions as chemists, as a discipline, and as a professional society. Several symposia are offered at the Philadelphia meeting describing contributions from the chemical sciences to society in many areas such as agriculture, health, and education. Please see the national meeting program listings for symposia titles, dates, and locations.
- (4) The exploration of an ACS fellowship program whose goal would be to substantially increase the number of highly qualified high school chemistry teachers will be launched shortly after the ACS Philadelphia meeting. This delayed start was decided in consultation with ACS staff.

I express thanks to both volunteers and staff for their commitment to help assure the success of the above initiatives.

I look forward to productive Council and Board meetings, deliberations, and action in keeping with our stewardship of ACS.

Bassam Z. Shakhashiri

## REPORT OF THE PRESIDENT-ELECT

I appreciate the support and input I have received from members both domestic and abroad. Since our last Council meeting in San Diego, I have been working on the priorities on which I campaigned. Thus, I continue to serve our members' interests and promote science literacy and education wherever I go. I also support inclusivity and am pleased to report that the Diversity and Inclusion Advisory Board is excited to have my support in sponsoring a Presidential symposium at the Fall 2013 national meeting called "Diversity is What?"

### **Help Members Thrive in the Global Chemistry Enterprise**

My Presidential Task Force "Vision 2025: Helping Members to Thrive in the Global Chemistry Enterprise" has been working hard since its first meeting in San Diego. Goals include identifying challenges and opportunities related to the global chemistry enterprise with respect to job growth, collaboration, education, and advocacy in addition to providing recommendations to help members with jobs and how to thrive in the global environment. The Task Force and I see ACS as the *leading voice* for chemistry that advocates U.S. competitiveness, encourages increased R&D support, and promotes entrepreneurship. Being a member-based organization, ACS should be an *enabler*, providing enhanced tools and training for members in job search and career development efforts. In addition, ACS should serve as *a world leader*, collaborating with its sister chemical societies to address common issues such as improved awareness with policymakers and the general public, education of future chemists, and supply/demand of chemists in order to benefit the global chemistry enterprise.

One working group, chaired by Sadiq Shah, has been brainstorming new ways to help our members with jobs, career development, and alternative careers. Various stakeholders such as CEPA, PROF, SCHB, and CCPA are well represented on this Task Force. Among the objectives are better preparing members for traditional and non-traditional career paths plus promoting advocacy to encourage business creation and expansion.

The second working group, chaired by H.N. Cheng, has been exploring potential opportunities associated with globalization. We are working with IAC and other stakeholders to ensure we are building on what has and is being done in this area. One objective is to enable and enhance global collaborative partnerships and exchanges to access global markets for resources and jobs for ACS members. Another objective is to provide advice and information about overseas assignments and successful global businesses.

The Task Force supports Goal 2 of the ACS Strategic Plan to advance member careers and "Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy." Stay tuned.

### **Build Bridges for Strategic Collaborations**

I have also focused on my priority of "building bridges for strategic collaborations." I advocate building different types of bridges: between industry, academia, government, and small business; and also between various disciplines in today's increasingly multidisciplinary research environment. At a meeting of the Council of Scientific Society Presidents I attended in Washington DC, the topic of how to better support interdisciplinary science was one of the issues addressed.

Particularly needed in today's global chemistry enterprise are bridges and connections with our sister societies and regions around the world. While we already share a common bond and passion for advancing science to solve global challenges of clean water, adequate food, alternative energy, and accessible medicines for all people, it was interesting to learn of another common issue when I participated in discussions at a Leadership Forum with Presidents of Chemical Societies from Europe and Asia.

It turns out that a common challenge all countries face is the persistent negative perception the general public has towards chemistry and the chemical industry. This highlights the importance and continuing need to support Goal 4 of the ACS Strategic Plan: "Communicate *chemistry's* vital role in addressing the world's challenges to the public and policymakers." It is imperative to continue raising awareness with the general public and our policymakers about the essential role that chemistry plays in providing the world countless benefits. ACS can truly be a global leader in sharing best practices for public outreach with our successful programs such as Science Cafes and National Chemistry Week.

Next year at the spring meeting in New Orleans, I plan to convene leaders from our sister societies around the world in a Globalization Collaboration Round Table discussion as well as sponsor a Presidential Globalization Symposium to further discuss common challenges and how we might collaborate for mutual benefit.

### **Promote Mutually Beneficial Partnerships**

Last spring, I was delighted to join an *ACS on Campus* event that involved participation from not only ACS Publications but also Chemical Abstracts Service and the ACS Division of Membership and Scientific Advancement. These three ACS units are partnering well at very successful *ACS on Campus* events which have now expanded overseas. I enjoyed leading a career panel for ACS on Campus at USC when the program was started a few years ago by ACS Publications. It was certainly great to experience first-hand the newly expanded *ACS on Campus* event at SIOC (Shanghai Institute of Organic Chemistry)!

With support from our International Activities Office I have so far made trips to China, Taiwan, and Europe that have been very successful in relationship building which has been said to be one of our greatest challenges. With these valuable contacts made, ACS is laying the foundation for forming strategic collaborations in the future.

I was also honored to deliver the keynote speech at the launch of the new ACS Shanghai Chapter followed by a networking social hour with many chemists working in various local companies or universities. Many people attending that evening decided to rejoin or sign up to join ACS as a result of this active new ACS Chapter.

### **Focus on Members**

Ever since I was elected to the ACS Board six years ago, I have made it a point to talk with as many of our members as possible by visiting regional meetings, local sections, and universities to find out what is on members' minds. Now in the Presidential succession, I am honored to receive many invitations to speak both in the U.S. and abroad. I was especially thrilled to return to my graduate school alma mater, the University of Illinois, to deliver the Chemistry Commencement speech. I am visiting local sections, universities, companies, and government research labs across the country as I continue to seek member input and suggestions.

Since being elected, I have received many letters of all kinds, some quite enlightening. One of the things I have discovered is that members around the world welcome and *want* more outreach from ACS. A Romanian chemist wrote to ask if ACS might support her in starting an International Chemical Sciences chapter in her homeland. I was delighted that she received support from our International Activities Office and is now working with the Romanian Chemistry Society and colleagues in Romania to gather the signatures needed to petition for a new chapter. This is happening almost spontaneously and will attract new members in this part of the world with minimal ACS financial or human capital.

Of course, my top priority remains serving our domestic members at home. Let's continue to work together to turn challenges into opportunities and to help our members. I welcome your input as always.

Thanks for your continued support!

Marinda Li Wu

## REPORT OF THE IMMEDIATE PAST PRESIDENT

There are several projects that I am winding up in my Immediate Past President year. One is the effort to support the Sustainable Manufacturing initiative that was started last year with representatives from six chemical-based companies who are identifying and advocating for sustainable manufacturing. The Sustainable Manufacturing Roundtable has identified six areas of needed research to be explored in order to catalyze sustainable manufacturing development at chemical-based manufacturing plants. Now that these six areas of research have been identified, the Roundtable will be working on informing Congress and federal research funding agencies of the opportunities this research could support. Increasing the U.S. manufacturing base is an important step for reinvigorating our economy and benefiting from the innovation process.

The increasingly global nature of science today can be seen in all avenues of the scientific enterprise. The National Science Foundation, along with Brazil, South Africa, Saudi Arabia, Belgium, and India, held a summit on merit review to share best practices and principles and then created a Global Research Council, a virtual organization of the heads of science and engineering funding agencies from around the world. Two calls for proposals came from the U.S. State Department for collaboration with other countries in the area of science which ACS responded to and I helped ACS to make the contacts they needed with sister societies for the proposal. In addition, I introduced ACS staff to Ethiopian and South African chemists to begin discussing potential collaborations with those countries as well as with the Federation of African Societies of Chemistry (FASC).

In response to a number of requests received while in the ACS presidential succession, I've begun to look into the issue of scientific ethics. The obvious ethical standards of "no plagiarism" and "no falsifying data" are not my focus. It is the more subtle ethical questions about peer review, proposal writing, and publishing that bring the most food for thought. The National Science Foundation, in its biology division, has begun to experiment with shorter, anonymous proposals to see if they are peer reviewed differently. Much to their surprise, peer review panels are recommending completely different proposals to fund when the proposals are written in a short, succinct proposals and the reviewers do not know who or what institution the proposals are from. Although the sample size is too small for definitive conclusions, they are continuing the experiments. If I was to guess, I would suspect knowing the writer, whether it is a proposal or a paper, has an effect on the reader's opinion – it seems only human nature – but the question of bias and "fairness" in review is an important issue for scientists to investigate. I hope to work with the ACS Committee on Ethics to see what ethical questions, beyond the obvious, our members perceive as important for the scientific community to be address.

Nancy B. Jackson

## REPORT OF THE CHAIR OF THE BOARD OF DIRECTORS

The traditional summer Board meeting was held between May 31 and June 2 in Baltimore—a fortuitous occurrence, since it allowed Board members to participate in the (co-located) Middle Atlantic Regional Meeting (MARM) as well. Thanks and congratulations go to the organizers who, in partnership with President Shakhashiri, organized a marvelous panel discussion among Maryland university senior executives, discussing some of the challenges of the day in science education.

At the meeting itself, the ACS Board of Directors considered a number of key strategic issues and responded with several actions. In addition to selecting winners for the 2013 Volunteer Service Award, Parsons Award and Priestley Medal, the Board voted to approve financial support options for several ACS awards, and to establish a new national award – the ACS Award for Entrepreneurial Success – provided an endowment can be raised to adequately support the award within the next three years.

We received updates on the activities of our two publishing units, Chemical Abstracts Service (CAS) and the Publications Division. The General Counsel updated us on the status (undecided) of our appeal in the Leadscope case, and we heard about the preparations leading to what, by now, will undoubtedly be recognized as a wonderful International Chemistry Olympiad.

During the CEO's report, the Board approved a new Editor-in-Chief for *Chemical Research in Toxicology* to succeed the current Editor-in-Chief, who is retiring. However, of perhaps more note for most members, we approved the appointment of Dr. Maureen Rouhi as the new Vice President and Editor-in-Chief of *Chemical and Engineering News*, effective on or before September 14, 2012 (on the last day of service of Rudy M. Baum, the current C&EN Editor-in-Chief).

We heard from the Presidential Succession on their current and planned activities and a status report from the Board's working group on Society Program Portfolio Management. This working group has been charged with recommending to the Board a process for portfolio management of Society programs, which include Membership and Scientific Advancement, Education, Public Affairs and any pilot programs.

Finally, the Board reviewed its newly introduced regular session format and proposed modified procedures and topics for the open discussion at its meeting in the fall. After considerable discussion, the Board agreed to an open forum on a topic related to Ethics as it applies to chemists and their professional conduct.

I am happy to discuss these or any other issues of importance to Councilors when we meet in Philadelphia.

William F. Carroll, Jr.

MINUTES  
REGULAR SESSION  
BOARD OF DIRECTORS  
San Diego, California  
March 25, 2012

The Board of Directors of the American Chemical Society met in San Diego, California, on March 25, 2012, beginning at 12:00 p.m. William F. Carroll, Jr., Chair, presided. Other Directors present for all or part of the meeting were: George M. Bodner, Dennis Chamot, Bonnie A. Charpentier, Pat N. Confalone, Peter K. Dorhout, Nancy B. Jackson, Madeleine Jacobs, Neil D. Jespersen, Larry K. Krannich, Valerie J. Kuck, Barbara A. Sawrey, Kathleen M. Schulz, Bassam Z. Shakhashiri, Kent J. Voorhees, and Marinda Li Wu. Present by invitation for all or part of the meeting were: Rudy M. Baum, Brian A. Bernstein, Brian D. Crawford, Denise L. Creech, Yvonne D. Curry, Larry R. Faulkner, Paul L. Houston, Martha K. Lester, Flint H. Lewis, Mary Kirchhoff, Robert J. Massie, Scott J. Oliphant, Robert H. Rich, Glenn S. Ruskin, Ronald E. Siatkowski, David T. Smorodin, John R. Sullivan, Frank E. Walworth, and Marleen G. Weidner. More than two hundred observers were present at various times during the meeting.

Report from Executive Session

William F. Carroll, Jr., Chair, opened the meeting with a summary of the key Board actions and discussion points from its executive session, March 23-24. He reported that the Board agreed to:

- a screened list of nominees for the 2013 Priestley Medal, Charles Lathrop Parsons Award, and the Award for Volunteer Service to the ACS; and will now vote on and announce the winners of these three awards after its June meeting;
- approve a Society nominee for the National Medal of Science;
- approve several actions relative to executive compensation for the Society's executive staff;
- receive a report from the Executive Director/CEO and several of her direct reports on the activities of CAS (Chemical Abstracts Service), the ACS Publications Division, and the Society's General Counsel (including an update on the Leadscope litigation);
- receive a briefing on current virtual and hybrid meeting strategies using the Virtual Career Fair and Virtual Exposition;
- receive a report from the CPT-SOCED Task Force on the American Association of Medical Colleges (AAMC) and the Howard Hughes Medical Institute report *Scientific Foundations for Future Physicians* – wherein the CPT-SOCED task force is considering the implications of chemistry-related recommendations contained in the report;
- receive a report from the President-Elect on plans and priorities during her presidential year; and a discussion on presidential succession budgets – particularly in light of increasing international and domestic travel demands;
- approve the 2015 Pacifichem budget and authorize reimbursement of any net revenues exceeding the budget, on a pro rata basis, to the participating ACS Divisions for expenditures in support of the Pacifichem program and activities;
- changes to Board Regulations regarding the composition of the Planning Committee and the appointment of canvassing and award committees;
- a proposal to administer and present the AkzoNobel North American Science Award as recommended by the Committee on Grants and Awards;
- approve proclamations recognizing the 100<sup>th</sup> anniversary of the South African Chemical Institute and the 80<sup>th</sup> anniversary of the Chinese Chemical Society; and
- receive briefings from several international guests representing the following scientific societies: the Canadian Society for Chemistry, the German Chemical Society, the Hungarian Chemical Society, the International Union of Pure and Applied Chemistry, the Mexican Chemical Society and the Royal Society of Chemistry.

## INFORMATION ITEMS

### Reports of Officers

**President Bassam Z. Shakhashiri** re-stated the theme for his presidential year of “Advancing Chemistry – Communicating Chemistry” and described the four initiatives related to that theme. Dr. Shakhashiri then reviewed the ACS mission and vision, and stated that the ACS faces grand challenges to help sustain earth and its people in the face of population growth, finite resources, malnutrition, spreading disease, deadly violence, war, climate change, and denial of basic human rights – especially the right to benefit from scientific and technological progress. He reminded the Board and attendees that science and society have what is essentially a social contract that enables great intellectual achievements but comes with mutual expectations of benefiting the human condition and protecting our planet. President Shakhashiri concluded his report with a briefing on two of the four initiatives: the Presidential Commission on Graduate Education and Research in the Chemical Sciences; and the Presidential Climate Science Working Group.

**President-Elect Marinda Li Wu** announced her plans to focus on jobs and global outreach during her presidential year through the appointment of a presidential task force titled: “Vision 2015: Helping ACS Members Thrive in the Global Chemistry Enterprise.” Dr. Wu reported attending the annual ACS Leadership Institute earlier this year and her challenge to its approximately 350 attendees that they consider recruiting champions to start or reinvigorate job clubs in their local sections. In the area of global outreach, Dr. Wu stated that she plans to travel abroad and strengthen alliances and cultivate relationships around the world. Dr. Wu said that she plans to seek input on ways to expand global outreach through international exchange and strategic collaborations that will benefit ACS members and the global chemistry enterprise.

**Immediate Past President Nancy B. Jackson** reported on her 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 sciences. She said that the Sustainable Manufacturing Roundtable will be reporting on its activities to Corporation Associates at the San Diego meeting and, that while the Roundtable is just getting started, she hoped that this group can learn from the successes of the ACS Green Chemistry Institute Pharmaceutical Roundtable. Dr. Jackson also stated that a group from ACS, including the Sustainable Manufacturing Roundtable and others, met with an equivalent group from the American Institute of Chemical Engineers (AIChE) to discuss ways in which the two societies could contribute to making effective decisions for energy research and technology development investments. She added that 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 on which investments to make for energy research and development.

### OPEN FORUM

Dr. Carroll announced that the Board of Directors had put on its agenda an open forum entitled, “The Future of Graduate Education and Research in the Chemical Sciences.” He said that this topic is from one of President Shakhashiri’s initiatives and is of interest and concern to the Board and the Society. For that reason, the Board wanted to take this opportunity to address the issue in an open forum with members. Dr. Carroll then called on Dr. Shakhashiri, who, after noting ACS’s role as a platform for thoughtful consideration, introduced Larry R. Faulkner (chair) and Paul L. Houston (executive director) of the ACS Presidential Commission on Graduate Education and Research in the Chemical Sciences.

Dr. Faulkner reported that the charge of the commission is to address two main questions: “What are the purposes of graduate education in the chemical sciences?” and “What steps should be taken to ensure that they address important societal issues as well as the needs and aspirations of graduate students?” Dr. Houston reviewed the major tasks of the charge: consider fundamental, comprehensive, and systematic changes suitable for graduate education in the chemical sciences and suggest actionable approaches for enhancing the quality of graduate research and education at all institutions.

Dr. Carroll then invited meeting attendees to ask questions, share their concerns, and provide input on this timely topic, as appropriate. Attendees highlighted a number concerns and suggestions, including lobbying Congress for a stronger graduate education component in the GI bill; the role that a master's degree plays in graduate education vs. the Ph.D.; attrition rates in graduate education due to gender bias; the importance of entrepreneurial education as part of the graduate student's portfolio; the relevancy of innovation and virtual education; structure and lecture styles of the professoriate; the importance of preparing for careers in academe and industry as part of the curriculum; transitioning workshops prior to graduation, and more.

Dr. Carroll thanked participants for their many comments and the success of another standing-room-only forum.

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

Flint H. Lewis  
Secretary



**BOARD CHAIR'S REPORT  
OF THE EXECUTIVE SESSION  
ACTIONS AND DISCUSSION ITEMS  
JUNE 2012**

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

**The Committee on Grants and Awards**

- The Committee on Grants and Awards selected the winner of the 2013 Award for Volunteer Service to the ACS, and anticipates announcing the winners of the Priestley Medal and Parsons Award soon. The Board VOTED to approve a Society nominee for the Othmer Gold Medal, to approve financial support options for several ACS awards, and to establish a new national award – the ACS Award for Entrepreneurial Success – provided an endowment can be raised to adequately support the award within the next three years.

**The Executive Director/CEO Report**

- The Executive Director/CEO and several of her direct reports updated the Board on the activities of CAS (Chemical Abstracts Service), the ACS Publications Division, the upcoming International Chemistry Olympiad in the U.S., the Philadelphia national meeting, and the Society's General Counsel. The General Counsel report included a briefing on the ACS vs. Leadscope litigation, and noted that ACS continues to await the outcome of its appeal to the Ohio Supreme Court. During the CEO's report, the Board approved a new Editor-in-Chief for *Chemical Research in Toxicology* to succeed the current Editor-in-Chief who is retiring. The Treasurer/CFO reported on recent updates to the Society's Contingency Plan.

**Other Society Business**

- The Board VOTED to approve three actions arising from the spring Council meeting: The Chemical Professional's Code of Conduct, the Petition to Amend Recorded Vote Request Procedure, and the Petition on Market Data Collection. The Board also VOTED to approve or ratify certain actions, including a proclamation of the 50<sup>th</sup> anniversary of the Indonesian Chemical Society, a designation of the Tess Family Trust Funds for the ACS Endowment, and the appointment of Dr. Maureen Rouhi, as the new Vice President and Editor-in-Chief of *Chemical and Engineering News*, effective on or before September 14, 2012 (on the last day of service of Rudy M. Baum, the current C&EN Editor-in-Chief).
- The Board received reports from the Presidential Succession on their current and planned activities for the remainder of 2012 and a status report from the Board's working group on Society Program Portfolio Management. The working group has been charged with recommending to the Board a process for portfolio management of Society programs, which include Membership and Scientific Advancement, Education, Public Affairs and any pilot programs.
- The Board also received an update on the status of Pacifichem (International Chemical Conference of Pacific Basin Societies). Pacifichem is the largest chemical conference in the Asia-Pacific region – attracting more than 12,000 attendees from 72 countries.
- The Board reviewed its newly introduced regular session format and proposed topics for the open discussion at its meeting in the fall. After considerable discussion, the Board agreed to an open forum on the topic of Ethics as it applies to chemists and their professional conduct.

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

## REPORT OF THE EXECUTIVE DIRECTOR

In the first half of this year, global economies as well as financial and capital markets have continued to struggle toward recovery. Unemployment has remained unacceptably high, and it has especially affected new graduates, including those in chemistry at the bachelor's, graduate, and postdoctoral levels. Moreover, layoffs are still occurring in R&D in the pharmaceutical sector, traditionally one of the robust employers of chemists. These conditions are reflected in all aspects of ACS operations, especially in the number of members using ACS Career services and asking for dues waivers. We have redoubled our career and networking efforts, and at the operational level, we are paying exceptionally close attention to expenses.

Despite these challenges, there are notable accomplishments. At the mid-point of the year (end of June), it is appropriate to bring Councilors up to date with a select group of achievements organized around the goals of the new *ACS Strategic Plan for 2012 and Beyond*. Of course, these are representative accomplishments, as a comprehensive list would run dozens of pages! I hope you find these examples illustrative of the many activities ACS members and staff are carrying out in partnership to fulfill the ACS mission: *Advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people*.

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

This goal is the keystone of the Strategic Plan, and it has its roots in ACS's articles of incorporation, which called for ACS to promote scientific interest and inquiry. Among the highlights:

- CAS (Chemical Abstracts Service) continued to add new molecules to the world's largest and most authoritative collection of chemical substances, the CAS REGISTRY®. It grew to more than 67 million substances in June. (I personally find it fascinating to watch the new molecules being added every few seconds at <http://www.cas.org/>.)
- The latest version of SciFinder®—released this spring—now includes the ability to search substances by 3.6 billion experimental and predicted property values.
- About 75% of all CAS academic customers worldwide are now using SciFinder under “Unlimited Access” plans with no seat limitations. This is part of a CAS strategy initiated in late 2010 that built upon investments in additional computer capacity in the Columbus, Ohio, data center. CAS expects that all eligible academic customers will have unlimited access arrangements by the end of 2013.
- Nearly 150 unemployed scientists (who previously used SciFinder in their jobs) now have complimentary SciFinder access to assist in their efforts to secure employment or to stay abreast of their science. This program was initiated in 2012 and unfortunately may continue to grow as layoffs continue in the pharmaceutical industry.
- After 36 years with ACS, most of them at C&EN, Editor-in-Chief Rudy Baum will retire in September. The ACS Board of Directors has confirmed current Deputy Editor-in-Chief Dr. A. Maureen Rouhi to assume the position of Vice President of ACS Publications and Editor-in-Chief upon his retirement. An all-day ACS Presidential Symposium on Tuesday in Philadelphia organized by President Bassam Shakhshiri, “Communicating Controversial Science,” will honor Rudy's tenure and features distinguished scientists and journalists.
- Professor David Allen, of the University of Texas at Austin, has assumed the duties of Editor-in-Chief of ACS Publications' newest journal, *ACS Sustainable Chemistry and Engineering*. The journal is now accepting manuscript submissions in anticipation of its official publication at the outset of 2013. Professor Stephen Hecht, of the University of Minnesota, has been confirmed by the ACS Board of Directors to succeed Professor Larry Marnett as Editor-in-Chief of *Chemical Research in Toxicology*. Dr. Marnett will have served 25 years as that journal's founding editor when his term of service concludes in December 2012.

- The 2010 Journal Citation Reports from Thomson Reuters (also known as Impact Factors, IF) have just been released. Overall the ACS portfolio of more than 40 journals performed very well, with almost all journals posting increased IFs. *The Journal of the American Chemical Society* (JACS) increased its IF to 9.907. *ACS Chemical Biology* had an IF greater than 6. *ACS Medicinal Chemistry Letters*' debut impact factor places it ahead of competing letters journals in medicinal chemistry. Another new journal, *ACS Applied Materials & Interfaces*, increased its IF to 4.525 from its prior year debut impact factor of 2.925. *Journal of Physical Chemistry Letters* had an impressive debut IF of 6.213. *Chemical Reviews* IF increased to 40.197, and both *ACS Nano* and *Nano Letters* increased their IFs, with *ACS Nano* now greater than 10 and *Nano Letters* greater than 13.
- Automated composition of ACS journals has been underway since May and is projected to increase the speed to publication of journal articles and significantly reduce production costs.
- The collaboration between CAS and ACS Publications continues and is reaping benefits for users of both information services divisions. In early August, ACS plans to release a feature referred to as Quick Reference View, the latest in a series of integrations that add features to the Publications Delivery platform that are enhanced by information from CAS. This new feature provides more information on both ACS and other publishers' references while reading individual articles. Detailed reference information will be available by "mousing" over references from within the article. This feature will be available for all articles published from 2010 forward.
- Since the 2009 Salt Lake City National Meeting, ACS has targeted a number of oral presentations for capture and subsequent posting online. This content was previously known as Electronic Dissemination of Meeting Content and is now called ACS Presentations on Demand. This content has been extremely well-received over the intervening years. Starting with the Philadelphia 2012 national meeting, ACS will conduct an experiment in terms of access to content that is captured at the meeting, and made available online. Previously, access to meeting content was made available to all at no cost. The new approach rewards ACS members with free or reduced-cost access to online meeting content. Conversely, we hope that this benefit will encourage those who do not belong to ACS to join. ACS members who register for the Philadelphia national meeting will enjoy free access to the meeting's online content, as will all active ACS members with a current unemployed dues waiver. For \$50, ACS members who do not register for the Philadelphia national meeting will be able to access the content. Nonmembers who register for the Philadelphia meeting will be charged \$100; nonmembers not registered for the meeting will be charged \$200. Staff will monitor the experiment in terms of how people access the meeting content, and will report on a regular basis to the Board Committee on Professional and Member Relations.
- The Office of Research Grants (ORG) continues to be a robust administrator of the Petroleum Research Fund (PRF) and other special grant programs. In March, the ACS Board Standing Committee on Grants and Awards (G&A) approved the 2012 - 2017 grant recipients of The Herman Frasch Foundation for Chemical Research. The Foundation awards grants to nonprofit institutions for research in the field of agricultural chemistry that will be of practical benefit to the agricultural development of the United States. Eight proposals were selected for five-year grants in the amount of \$50,000 per year, beginning July 1, 2012. In addition, G&A awarded grants to the ACS PRF Advisory Board's recommended proposals from their spring 2012 ACS PRF Advisory Board meeting. The combined total funding of the 110 grants is \$10,025,000. ORG also completed the selection of the ninth Irving S. Sigal Postdoctoral Fellow in chemical biology. The recipient is Siddhesh Shashikant Kamat, a graduate student in the Department of Chemistry, Texas A&M University, who will finish his pre-doctoral work in August. There will be a reunion celebration of former Sigal Fellows at the upcoming ACS National Meeting in Philadelphia on August 18, 2012. Seven of the eight previous fellows will be in attendance.

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

- To enhance member value and expand global access to meeting content and exchange, the Membership and Scientific Advancement Division (M&SA) is running three hybrid (combination physical & virtual) meeting experiments in 2012. The first experiment in San Diego included two onsite career events that were webcast live to a remote audience, who asked questions in real time. The two events drew more than 400 onsite attendees and 726 remote attendees. The second experiment on June 20 included a half-day interactive panel session (focused on cross-sector collaboration to advance green chemistry) streamed live during the 2012 Green Chemistry and Engineering Conference. The session drew a total of 242 registered attendees and 76 live remote participants, who submitted questions and comments via social media. The third experiment is planned in connection with the Virtual Career Fair at the Philadelphia national meeting.
- The ACS Committee on Chemists with Disabilities (CWD) was the top winner in the employer category of the Campaign for Disability Employment's "What can YOU do?" video contest. CWD's entry, "Chemists with Disabilities: We All Can," was selected based on originality, content, reflection of campaign themes and categories, production value, impact, and accessibility. The winning video will be featured on the Campaign for Disability Employment's website, "WhatCanYouDo" YouTube channel, shared via social networks, and screened at local, state, and national events.
- The ACS International Center will be an online information clearinghouse to provide chemical practitioners with information and experiences on international science collaboration, exchange opportunities, and career resources (e.g., options for foreign language training and content regarding cultural adjustment) to succeed in the global marketplace. The initial website is scheduled to be launched by December.
- ACS's Entrepreneurial Initiative (EI) was approved as a pilot program by the ACS Board of Directors in December 2011 to help entrepreneurial companies and start-ups create jobs for chemists in the U.S. Subsequently, the Entrepreneurial Initiative Advisory Board (EIAB) was appointed by the Committee on Economic and Professional Affairs, the Committee on Professional and Member Relations (P&MR), and Corporation Associates to oversee the EI's two components: the Entrepreneurial Training Program (ETP) and the Entrepreneurial Resources Center (ERC). To date, the EIAB has screened applicants for both programs. Members can find out more about these programs at [www.acs.org/ei](http://www.acs.org/ei).
- The ACS on Campus program provides librarians, students, and faculty with information about and hands-on experience with ACS journals, SciFinder, career options, and grant proposal writing. The program has expanded beyond the United States and is fulfilling both Goals 2 and 3 of the ACS Strategic Plan. A description of the program may be found in the C&EN article located at this link: <http://cen.acs.org/articles/90/i20/ACS-Campus.html>.

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

I have provided details about recent education activities in the August Councilor Bulletin that you will be receiving soon. Among those activities: ACS will be hosting the 44<sup>th</sup> International Chemistry Olympiad (IChO) July 21-30 at the University of Maryland through the generous grant of \$2.5 million by The Dow Chemical Company. Seventy-two countries are expected to participate in the IChO, which engages the brightest high school chemistry students from around the world in theoretical and laboratory examinations. Three other notable events not referenced in the Councilor Bulletin are:

- ACS participated in the USA Science and Engineering Festival, which culminated in a three-day finale Expo at the Washington, D.C., Convention Center on April 27-29. In the lead-up events, ACS provided a “Nifty Fifty” speaker for a local high school, the ACS Mole marched in the Cherry Blossom Parade, and a special STEM Congressional briefing was held that included “Science Guy” Bill Nye as a panelist. At the Expo, 49 ACS staff, local section, and student members volunteered at three hands-on activity booths and a career table. Based on estimated numbers from the Convention Center, nearly 200,000 people participated over the three days, the second largest event the Convention Center has ever seen.
- The ACS High School Chemistry Club Program has grown to 487 ChemClubs and the first ACS ChemClub Cookbook is now available through the ACS Store. This beautifully illustrated cookbook includes a collection of recipes provided by ACS ChemClubs and contains food-based activities that explain specific chemistry concepts. Each recipe is accompanied by a short description of the underlying chemistry, which teachers can use in the classroom or share with colleagues.
- CPT Periodic Review System (CPRS) is a new system for collecting and disseminating reporting data from the ACS-approved chemistry programs to members of the Committee on Professional Training. In late June, CPRS was moved into production and will be piloted by 30 institutions. This new system will provide a more efficient, timely, and accurate way to collect information.

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

- In June, the ACS Board Standing Committee on Public Affairs and Public Relations approved three new National Historic Chemical Landmark designations: Wetherill Laboratory of Chemistry at Purdue University; the Legacy of Rachel Carson’s book, *Silent Spring*, recognizing the 50th anniversary of the book’s publication and its impact on chemistry, policy, and the environment; and the Mellon Institute of Industrial Research at Carnegie Mellon University. Both the Wetherill Lab and *Silent Spring* ceremonies are planned to take place this year, while the Mellon Institute commemoration will be held in 2013. A designation ceremony for the previously approved landmark DayGlo Fluorescent Pigments at DayGlo Corp. in Cleveland, Ohio is scheduled to take place on September 8, 2012.
- A major focus of the Office of Public Affairs at ACS national meetings is to broadly publicize particularly newsworthy sessions through press releases and press conferences. For the San Diego meeting in March, media content generated from over 40 press releases and 30 press conferences publicizing almost 400 technical sessions appeared on websites and in newspapers and magazines with an average monthly unique visitor count/circulation of more than 4 billion, a significant increase from previous meetings. The media coverage included a story on the page of the *San Diego Union-Tribune*, as well as stories in *USA Today*, *The Wall Street Journal*, *The New York Times*, *The Los Angeles Times*, *The Times of India*, *Wired*, the *Huffington Post*, *Time* magazine, *The Atlantic*, the *Daily Mail* (London), and the *Telegraph* (London), to name a few. The summary of news media coverage from the San Diego meeting runs 50 pages.
- Helping our members become even more effective advocates and communicators remains a top priority for the Society. Toward that end, two major events took place in April. On April 24 and 25, the annual ACS Legislative Summit brought members of the ACS Board of Directors and the Committee on Chemistry and Public Affairs (CCPA) to Washington for a day of policy briefings and a second day of over 40 Capitol Hill meetings. A key message delivered was the importance to the U.S. economy of predictable and sustained R&D and STEM education funding. On April 27-29, a Sparkle workshop was held to provide media and communications training to 23 local section public relations chairs. Since the Sparkle workshops were re-launched in October 2010, over 60 local sections have participated. In June, CCPA members visited four federal agencies which support chemistry research to learn more about the agencies’ priorities and to help guide Society policy efforts in those areas.

A report from the Governing Board for Publishing, which I chair, follows this report. In addition, I am pleased to report that the Society's year-to-date financial performance is running favorable to the phased budget for revenue, expense, and net from operations through June 30. In Philadelphia, the Committee on Budget and Finance will receive management's first Probable Projection for 2012. The Probable #1 will forecast favorable budgetary performance for the year.

I hope this gives you a glimpse of the many activities that have taken place in the first half of this year. I am looking forward to a highly successful meeting in Philadelphia (be sure to read more about what is planned for Philadelphia in the August Councilor Bulletin) and I am looking forward to seeing you there. If you have any questions before then, please write to me at [m\\_jacobs@acs.org](mailto:m_jacobs@acs.org).

Madeleine Jacobs

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

The following is a summary of the February and May 2012 meetings of the Governing Board for Publishing. The Presidents of CAS and Publications reported that overall financial and mission-objectives were on track to achieve goals set for 2012. To a great extent, the two meetings covered proprietary and confidential matters of long-term strategic importance to ACS. Following are other highlights from the meetings.

### CAS (Chemical Abstracts Service)

#### **Editorial Operations Annual Review**

An annual Editorial Operations Report was provided, citing that CAS saw significant growth across all databases in 2011. CAS indexed publications grew to at an all-time record high; reactions were also collected at an all-time record level. In addition, 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.

It was reported that patents are the main source of new reactions in 2011 and that China's Patent Office had the fastest growth of all major offices, and continues growth in invention applications published. A report on the development of CAS's global input capabilities over the past decade and an update on progress towards the all-electronic input environment were also provided.

#### **Marketing Update**

CAS reported on its competitive landscape. Of great interest was CAS's progress in transferring universities from the "seat sales model" to unlimited use. As of the May Governing Board meeting, 70% of world academic customers had moved to unlimited use agreements. CAS marketing and sales expects that 95% of eligible customers will be converted by year end.

### ACS Publications

#### **Sales, Marketing, and Web Strategy Highlights**

The Publications Division reported that growth in Sales, Marketing, and Web Strategy is being achieved through a focused approach to marketing and selling in rapidly developing international markets, an expanded range of product bundles tailored to the needs of academic and corporate customers, and a new suite of ACS member benefits being introduced in 2012. The Division's expansion into mobile delivery of content to smart phones and tablet devices is now an integral part of its web publishing strategy. Efforts to elevate and leverage the ACS brand, including ACS on Campus events and "Why I" promotional campaigns, are reinforcing the Society's message of "most trusted- most cited- most read" and being used to position ACS as the society publisher of choice in chemistry and the allied sciences. Total annual downloads are now at more than 77 million.

#### **Journals Publishing Group Highlights**

Highlights for the Journals Publishing Group in 2011 included key initiatives such as: production cost savings via automated journals composition; introduction of new journals in 2011 and development of new titles for publication in 2012; progress with the rollout of the *Just Accepted* feature across the journals program; and initial results from the pilot experimentation with *CrossCheck* antiplagiarism tools.

### **C&EN Publishing Automation Program**

An overview of the C&EN Publishing Automation Program (CPAP) was provided including historical context for the initiative, and the strategic planning that led to the successful implementation of an end-to-end digital production workflow and content management system for the magazine. Various facets of the innovations that have comprised this initiative, including refinements being pursued in a second phase of the project (CPAP 2.0) that is already well underway was shared. C&EN's pursuit of this initiative has proven to be instrumental in the magazine's ability to more flexibly and efficiently create, develop, and deliver content for publication both in print and online, and to undertake new features associated with C&EN Online, as well as the pursuit of C&EN Mobile. The latter is steadily growing in uptake and usage within the chemistry community, and is an additional ACS Member Benefit in 2012. In addition, the automation now in place will facilitate the pursuit of online advertising as well as potential other sources of revenue to support C&EN's journalism.

Madeleine Jacobs, Chair



**DRAFT**  
**MINUTES**  
**COUNCIL POLICY COMMITTEE**  
**AMERICAN CHEMICAL SOCIETY**  
San Diego, California  
March 27, 2012

The Council Policy Committee (CPC) of the American Chemical Society met in San Diego, California, on March 27, 2012, beginning at 8:00 a.m. Chair Bassam Z. Shakhashiri presided. Other voting members present were: John E. Adams, Lawrence Barton, M. Elizabeth Derrick, Alan M. Ehrlich, Nancy B. Jackson, Thomas R. Gilbert, Madeleine Jacobs, Peter C. Jurs, Willem R. Leenstra, Mamie W. Moy, Mary Virginia Orna, Dorothy J. Phillips, Carolyn Ribes, Eleanor D. Siebert, and Marinda Li Wu. Flint H. Lewis served as Secretary.

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

Report of the Subcommittee on Nominations

1. VOTED, in accordance with Bylaw III, Sec. 3,b,(3), that the Council Policy Committee approve the list of potential candidates, as presented by the Subcommittee on Nominations, for election to 2013-2015 terms on the Committee on Nominations and Elections.
2. VOTED that the Council Policy Committee authorize the chair of the Subcommittee on Nominations to amend the approved list of candidates for election to the Committee on Nominations and Elections, in consultation with the chair of the Committee on Nominations and Elections, to avoid duplications in the candidate lists for the Council Policy Committee, the Committee on Committees, and the Committee on Nominations and Elections.

Approval of Minutes

3. VOTED that the Council Policy Committee approve the minutes of the August 30, 2011, meeting of the committee.

Report of Interim Action of the Council Policy Committee

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

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.; Dorothy Phillips (for Bassam Shakhashiri), Nancy Jackson, and Marinda Li Wu 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 March 28. In the subgroups, reports were presented by the officers and by the chairs of the Elected Committees on Committees and on

Nominations and Elections; the Society Committees on Budget and Finance and on Education; the Standing Committees on Constitution and Bylaws, Divisional Activities, Economic and Professional Affairs, Local Section Activities, Meetings and Expositions, and on Membership Affairs; the Joint Board-Council Committees on Chemical Safety, Chemistry and Public Affairs, Environmental Improvement, International Activities, Science, and Women Chemists; and the Other Committee on Ethics; including reports on progress and recommendations resulting from their work during their sessions held in San Diego, California, prior to the CPC meeting. By individual actions, CPC concurred in certain recommendations to be made to Council by the committees. These appear below and, as appropriate, in the record of the March 28 Council meeting. All references in these minutes to the Council or its meeting relate to the March 28, 2012 meeting of that body.

5. VOTED that the Council Policy Committee authorize a projected graphic as part of the President's report to Council.
6. VOTED that the Council Policy Committee concur with the Committee on Committees' recommendation that Council support continuation of the Committee on Project Seed.
7. VOTED that the Council Policy Committee authorize the Chair of the Board of Directors to use additional time for his report to Council to show a video titled "What is ACS?"
8. VOTED that the Council Policy Committee concur with the Committee on Budget and Finance's recommendation that Council approve the fully escalated dues rate for 2013, and authorize the committee to use additional time and projected graphics in its report to Council.
9. VOTED that the Council Policy Committee authorize the Committees on Chemical Safety, International Activities, Local Section Activities, and Membership Affairs; and the Immediate Past President to use projected graphics in their reports to Council.
10. VOTED that the Council Policy Committee authorize additional time for the reports of the Committee on Economic and Professional Affairs and the Executive Director & CEO.
11. VOTED that the Council Policy Committee authorize the Committees on Economic and Professional Affairs, Constitution and Bylaws, and Meetings and Expositions, and the Executive Director & CEO to use projected graphics in their reports to Council.

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

Vice Chair Carolyn Ribes reported on the following: The New Councilor Orientation held this past Saturday was very successful, with 25 new Councilor and Alternate Councilor participants. This year, CPC offered a pre-orientation webinar, which provided a variety of useful information to new Councilors in advance of the orientation. Twenty-five new Councilors participated in the webinar. We continue to encourage Councilors to join the Councilor Networking Group on the ACS Network, and 176 of them are participating to date. She provided a quick summary of the key activities of CPC subcommittees and task forces. Dr. Ribes then presented a motion to authorize a special discussion at Council relating to the focus of one of Dr. Shakhshiri's working groups.

12. VOTED that the Council Policy Committee authorizes the ACS President to present to Council with projected graphics on the special discussion subject, "What is your reaction to the proposed topics for the ACS Climate Science Toolkit?"; to conduct a poll (per slides 5-9 of his presentation) on this topic using clickers; and that the discussion following the presentation and polling 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 provided background information on the Petition to Amend Recorded Vote Request Procedure, which was drafted by CPC and is up for action at this Council meeting.

13. VOTED that the Council Policy Committee, on recommendation of its Subcommittee on Constitution and Bylaws, support the Petition to Amend Recorded Vote Request Procedure.

Dr. Derrick then reported that her subcommittee had narrowly voted to recommend that CPC oppose the other petition up for action at this Council meeting – the Petition on Market Data Collection. The committee discussed this recommendation at length, the history behind the petition, and the impact if market testing is allowed or disallowed. Dr. Harmon Abrahamson, chair of the Committee on Constitution and Bylaws, reported that eight committees were supporting the petition and none opposing it. Dr. Wayne Jones, chair of the Committee on Membership Affairs, said that there were 13 dues categories, but none were based upon research data.

14. VOTED that the Council Policy Committee support the Petition on Market Data Collection.

Dr. Derrick concluded her report by describing the two petitions which are up for consideration at this Council meeting and noting the requirement that committees which are assigned review of petitions up for consideration have those petitions listed as an agenda item for their open meetings.

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

Subcommittee chair Thomas R. Gilbert reported that the subcommittee had engaged Councilors in providing input on the key priorities ACS should address in its *Strategic Plan for 2012 and Beyond*. Input into the plan came from a variety of sources, including Councilor caucuses at the fall 2011 meeting. At this meeting's caucuses, subcommittee members discussed how their input has been incorporated into the plan. He concurred with Dr. Ribes's positive assessment of the New Councilor Orientation, noting that the more interactive format was based nearly entirely on facilitated, informal discussions in small groups. Thirty-two Councilors have volunteered to be mentors to new Councilors; 16 new Councilors have requested mentors so far.

### C. Task Force on Duties and Responsibilities

This report by Dr. Ribes led to a lengthy discussion of the ways in which CPC and Council meetings and activities could be improved. Dr. Shakhashiri said that Councilors deserve the opportunity to participate in content-related matters; that we should improve the connectivity between CPC and Council; and, although procedural matters are important, that our status as a learned Society behooves us to give Councilors the opportunity to engage in deeper and meaningful conversations. Other comments included the following: The Special Discussion should be a platform to expand this deeper role for Councilors? We should consider more interdisciplinary topics. We should do more to follow up on Council Special Discussions. Focus on the 4 strategic plan goals. Our Bylaws don't mention policy as a duty for CPC; we should change our name to the Council Executive Committee and adjust our duties to make it more policy oriented. CPC can work with committees to bring policy issues forward. CPC could get on each of the caucus agendas to get Councilor input. We launched our Long-Range Planning Subcommittee, which does address some policy issues.

The Task Force will continue to meet between meetings and will continue these discussions with the full committee in the fall.

### ACS Strategic Plan

Dr. Ribes noted that this subject had been discussed in previous agenda items and added that we received very good input for the plan and we need to continue to share the plan with ACS stakeholders and members.

### Schedule of Business Sessions

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

Board of Directors:	Sunday, August 19
Council Policy Committee:	Tuesday, August 21
Council:	Wednesday, August 22

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

15. VOTED that the Council Policy Committee approve the Council Agenda for the March 28, 2012 meeting of the Council.

### CPC's 2012 Budget

ACS Secretary Flint Lewis reported on CPC's budget and explained the various categories of expenditures. Dr. Shakhashiri requested information at the next CPC meeting on the cost of holding a single CPC and a Council meeting.

### New Business

Mr. Lewis raised an issue regarding the Councilor Travel reimbursement program. A Councilor had left the national meeting prior to the Council meeting due to a teaching obligation at his university. The Councilor Travel Reimbursement program contains a requirement, which is broadly communicated to Councilors and local sections and divisions, that one must attend the Council meeting to be entitled to reimbursement from ACS. Mr. Lewis explained that his office had granted reimbursement when a Councilor left the meeting early but made arrangements for an Alternate Councilor to take their place at Council, and in a couple of instances where Councilors left prior to the Council meeting due to a death or serious illness in their families. After discussion, CPC members reached consensus in favor of maintaining the requirement that one must attend Council in order for their local section or division to be reimbursed by ACS, but supporting the exceptions Mr. Lewis outlined.

Open Forum

Dr. Peter Rusch, chair of the committee on Nomenclature, Terminology, and Symbols (NTS), raised an issue regarding the new Non-Councilor Travel Reimbursement Policy. NTS has historically reimbursed its members at only one meeting (Spring) and at a higher level than the new policy would allow. He requested that NTS be allowed to join the list of committees exempted from the new policy so that NTS could continue to reimburse at the higher level. He said that one committee member had resigned over the reimbursement issue.

16. VOTED, on a motion from the floor and subject to Board concurrence, to exempt the Committee on Nomenclature, Terminology, and Symbols from being subject to the Non-Councilor Travel Reimbursement Policy and to reimburse its Non-Councilors per its historical manner.

There being no old business, additional new business, or additional comments during the open forum, the meeting was adjourned at 11:50 a.m.

Flint H. Lewis  
Secretary

## REPORT OF THE COMMITTEE ON COMMITTEES

At its meeting in San Diego, March 26-27, 2012, the Committee on Committees (ConC) developed its recommendations for 2013 chairs of the Council Standing and Other Committees for approval by the President-Elect in June 2012. In Philadelphia, the committee will continue developing recommendations for appointments to all Council, Society, and Joint Board-Council committees for consideration by the President-Elect and Chair of the Board of Directors. The committee appointment process is expected to conclude in early January 2013.

Also in Philadelphia, ConC will receive reports and consider recommendations from its subcommittees or task forces on Leadership Development, Diversity, Governance Pipeline, and Senior Chemists. ConC will bring a specific recommendation to Council in Philadelphia that Council approve the establishment of a Senior Chemists Committee as a Joint Board-Council Committee.

ConC will also receive updates on scheduled performance reviews for the Committees on Ethics; Environmental Improvement; Public Relations and Communications; International Activities; Women Chemists; Younger Chemists; Nomenclature, Terminology and Symbols; Chemical Abstracts Service; Chemistry and Public Affairs; Minority Affairs; Patents and Related Matters; and Science; and will seek Council approval in Philadelphia on recommendations for the continuance of the Committees on Chemists with Disabilities and Professional Training.

In lieu of the Chairs' Appreciation Luncheon, ConC liaisons will now recognize the contributions of committee chairs who have served the statutory limit as chair of their committee during their respective committee meetings. During the Council meeting on August 23, 2012, ConC will also recognize Councilors who will have served the statutory limit or have otherwise completed their service on committees at the end of 2012, as well as those Councilors observing significant anniversaries of years of service on Council.

Councilors and other interested members are invited to attend the committee's open executive session on Monday, August 20, 2012, in the Philadelphia Marriott Downtown in Philadelphia, PA from 1:30-2:30 p.m., to offer their views on any topics on the agenda, or other matters of interest. Please note the new time of the open meeting.

Dawn A. Brooks, Chair

G. Bryan Balazs  
Janet L. Bryant  
H. N. Cheng  
Rigoberto Hernandez  
Amber S. Hinkle  
Bonnie Lawlor  
Zaida C. Morales Martinez  
V. Michael Mautino

Les W. McQuire  
Ingrid Montes  
Howard M. Peters  
Yorke E. Rhodes  
Sara J. Risch  
Frankie K. Wood-Black  
Marinda Li Wu

Staff Liaison: Flint H. Lewis

## **PROPOSAL TO ESTABLISH A COMMITTEE ON SENIOR CHEMISTS**

The Senior Chemists Task Force (SCTF) has formally requested that the ACS Committee on Committees (ConC) review and evaluate their request to constitute an ACS Committee on Senior Chemists as a Joint Committee of the Board and Council of the ACS. ConC has acted on the request and is bringing this specific recommendation to Council in Philadelphia that Council approve the establishment of such a committee.

### **Background**

Prior to the present SCTF, there was another SCTF in the period 1999-2002. It consisted primarily of members from the Committees on Economic & Professional Affairs (CEPA), on Membership Affairs (MAC), and on Local Section Activities (LSAC), plus a few consultants. In 2002 it ended its charter by recommending that a Senior Chemists Working Group be established. At the time, it was believed that the primary focus of the ACS for seniors was encouraging LSAC to promote the establishment of senior groups within local sections.

As a result, the Senior Chemists Working Group was established in 2003. Their activities resulted in the "Silver Circle" concept, featuring the "Silver Circle Breakfasts" on Tuesday morning at ACS national meetings. Discussions at these breakfasts led ConC to appoint another task force in 2009 to consider the establishment of a Senior Chemists Committee.

### **History**

The Senior Chemists Task Force was established in 2009 and is composed of 21 members to function as the focal point for senior chemists over the age of 50 within the ACS and the chemistry enterprise at large. Their mission is to:

- encourage and serve as a conduit for senior members to volunteer and contribute their energy and talent to the ACS including local, regional and national governance, education, government affairs, mentoring, and community projects;
- provide useful service and information to seniors, such as retirement and estate planning, consulting and part-time opportunities, and travels/tours;
- foster networking opportunities among seniors, both nationally and locally; and
- represent senior chemists to interact with all elements of ACS governance, bringing awareness of their needs to the ACS, fostering collaborations and creating synergies.

### **Accomplishments**

To date, the SCTF has been active in four areas (organized as four subcommittees of the Task Force) in addition to continuing the breakfast programs at national meetings. The SCTF has also established a semi-annual newsletter for senior chemists, which is distributed to all local sections.

Another area is contact with local section senior groups to keep them up to date on activities of interest to seniors. These groups are provided with information about ACS activities such as the mentoring program and the career development program, in order to broaden the recruiting base for these programs. To address this goal, the SCTF established a subcommittee focused on mentoring and consulting to both recruit volunteers and to provide instructional material in these areas.

A fourth subcommittee on National and Regional Programming has also been very active since its inception. SCTF has organized, co-sponsored, or co-listed symposia in every national meeting since Fall 2009. The task force has been careful to select topics important to seniors and other attendees:

Washington, Fall 2009

- "Be a Consultant – Here's How"
- "Volunteers and their Impact on K-12 Science Education"

San Francisco, Spring, 2010

- "The Consulting Business" (San Francisco, 2010)

Boston, Fall, 2010

- “Connections to Germany and Europe: Education and Research Opportunities”
- “Medicare Supplement Workshop”
- “Senior Chemists Interface with Local, State, and National Government”

Anaheim, Spring 2011

- “Aging – A Trend and an Opportunity for the ACS”
- “Diverse Workforces in Small Businesses”

Denver, Fall 2011

- “Interactions between the Younger Chemists Committee of ACS and the European Young Chemists Network of EuCheMS” (European Association for Chemical and Molecular Sciences)
- “Entrepreneurialism”
- “Healthcare Reform and its Impact on Seniors”
- “Globalization of the Chemistry Profession”

Special talks and posters on the SCTF have been presented at the National ACS Meetings in San Francisco (poster, March 22, 2010), in Boston (talk, August 23, 2010), and in Anaheim (talk and poster, March 2011).

### **Future Activities**

The SCTF believes it can serve two constituencies within the ACS: (1) seniors who are still active either as full time or part time employees, consultants, or those who still wish to stay closely connected to the ACS and its spectrum of activities; and (2) younger members and students who have questions about a chemistry based career or who have started careers but are looking for guidance in how to progress. Examples are mentoring, career guidance and counseling, job training seminars and webinars, alternate career selection, problem support, workshops, and tutorials.

### **Rationale**

The age demographics of the ACS powerfully illustrate the need for a Senior Chemists Committee. Of its more than 164,000 members, 40% are over the age of 50 and this segment of the Society is one of the fastest growing groups. The ACS should be encouraging this group to stay involved with the ACS and to remain active within their local sections and divisions. The establishment of a permanent committee focused on this demographic is both needed and logical.

### **Proposed Charge**

“The Committee on Senior Chemists is a group of highly professional, volunteer chemists whose mission is to enrich the educational, technical, and cultural lives of the ACS Membership by ministering to and employing the talents of senior ACS members (over the age of 50) by:

- sharing with ACS members of all ages a rich variety of personal experiences and expertise gained over many years of professional service;
- fostering interest and participation in the science of chemistry through community outreach, especially in grades K-12;
- acting as science advisers/ambassadors for the purpose of cultural exchange at home and abroad; and
- providing senior ACS members with challenging, diverse, and enjoyable professional experiences that enable them to contribute to the cultural experiences of their communities.”

### **Recommendation**

In view of the accomplishments above, the clearly enunciated goals and activities that will benefit a significant segment of the ACS membership, and the estimated annual financial impact on the Society of less than \$40,000, ConC recommends that the Council (subject to Board concurrence) establish a Committee on Senior Chemists as a Joint Board-Council Committee of the ACS, with the charge and characteristics described above and in accord with the prescriptions of the ACS Bylaws for such.



## PROPOSED COMMITTEE ON SENIOR CHEMISTS

### **FREQUENTLY ASKED QUESTIONS**

#### **Why another ACS committee?**

- Given the current demographics of the ACS, it is in the best interest of both the ACS and the senior constituency to focus on the senior demographic. Over 40% of ACS members are over 50 and more than 30% are over 60. This is the fastest growing constituency in the ACS. If the ACS does not stay connected to this group and keep them involved, it does so at its own peril.
- The seniors of 2012 are not the seniors of 1982 – they are longer-lived and more active, and the ACS needs to recognize this change.
- A committee is a proven way to review and recommend to the Board and/or Council ways to address needs and opportunities in a given area.

#### **How much money will it cost the Society?**

- Less than \$40,000 annually. This will cover food and beverage at national meetings; non-Councilor travel reimbursement; expenses incurred for national meeting programming; and various printing costs.

#### **Why the appointment to a ‘Joint Board-Council’ rather than an ‘Other’ committee of the Society?**

- As a Joint Board-Council Committee, it has access to both the Council and the Board. As such, it can propose policies beneficial to seniors to the Board and it can recommend the initiation of programs to both the Council and the Board.

#### **Why not a separate division or subdivision of the Division on Professional Relations (PROF)?**

- Divisions and subdivisions primarily focus on programming. A committee has a much broader scope of activity, and more commonly recommends actions to the Board and/or Council.

#### **A number of present Councilors qualify as seniors – don’t they represent seniors?**

- No, they attempt to do what Councilors are supposed to do – represent their local sections or divisions in Council on all actions affecting the entire ACS.

#### **How can seniors help younger chemists?**

- With career development, coaching, and mentoring.

#### **How are some local section senior groups operating?**

- With 20 local sections reporting active senior groups on their 2011 Annual Report, most are either collaborating with other groups or sponsoring various activities such as NCW events, luncheon meetings or group outings, and volunteering to speak at local events.

#### **How do you know seniors are ready for this committee?**

- In a recent survey conducted by SCTF, when senior chemists were asked what “YOU” would like to do, a few of the comments were:
  - “I am interested in educating the public about chemistry and general science.”
  - “I would like to participate in mentoring/advising of younger chemists.”
  - Mentor; work with Senior Chemists Task Force; work on graduate chemistry programs and high school students going into chemistry.
  - “Work with younger chemists to encourage them in promoting and explaining chemistry to the general public.”

#### **Some seniors are apathetic!**

- This is exactly what this committee is planning to address to stimulate activity.

**RECOGNITION OF SERVICE**  
**Council Meeting, August 22, 2012**

1. The following members will have served the statutory limit or have otherwise completed their service at the end of 2012 on the ACS governance committee shown below:

James C. Carver	Constitution and Bylaws
Steven Trohalaki	Constitution and Bylaws
Doris L. Zimmerman	Constitution and Bylaws
John M. Pochan	Divisional Activities
Patrick G. Barber	Economic and Professional Affairs
Charles E. Cannon	Economic and Professional Affairs
Sonja Strah-Pleyner	Economic and Professional Affairs
Thomas R. Beattie	Local Section Activities
Lee H. Latimer	Local Section Activities
Carol B. Libby	Local Section Activities
Richard L. Nafshun	Local Section Activities
V. Dean Adams	Meetings and Expositions
Dee Ann Casteel	Meetings and Expositions
Melanie J. Lesko	Meetings and Expositions
Warren D. Hull, Jr.	Membership Affairs
Jason E. Ritchie	Membership Affairs
Peter Zarras	Membership Affairs
Catherine E. Costello	Ethics
John E. Sheats	Project SEED
Arindam Bose	Budget and Finance
Mary K. Carroll	Education
Joseph M. Antonucci	Chemical Safety
Kristin M. Omberg	Chemistry and the Public Affairs
Robert de Groot	Community Activities
Charles E. Kolb, Jr.	Environmental Improvement
Guang Cao	International Activities
Gabriel A. Infante	International Activities
Sandra P. Thompson	Patents and Related Matters
Suzanne Harris	Professional Training
Ned D. Heindel	Publications
Cheryl B. Frech	Public Relations and Communications
Mike Lawrence	Public Relations and Communications
Adam C. Myers	Younger Chemists
Les W. McQuire	Committees
Thomas R. Gilbert	Council Policy
Sharon P. Shoemaker	Nominations and Elections
Ellen B. Stechel	Nominations and Elections

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

John M. Pochan	Divisional Activities
Lee H. Latimer	Local Section Activities
Dee Ann Casteel	Meetings and Expositions
Peter F. Rusch	Nomenclature, Terminology and Symbols
Mary K. Carroll	Education
Spiro D. Alexandratos	Chemical Abstracts Service
Lynn Hogue	Community Activities
Judith L. Benham	International Activities
Ned D. Heindel	Publications
Cheryl B. Frech	Public Relations and Communications
Sadiq Shah	Science

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

**Fifteen (15) Years**

Linda Brunauer	Santa Clara Valley (1998-2012)
Mary K. Carroll	Eastern New York (1998-2012)
Alvin L. Crumbliss	North Carolina (1998-2012)
Jurgen H. Exner	Environmental Chemistry (1998-2012)
Donald K. Harriss	Lake Superior (1995-2003; 2007-2012)
John M. Long	Rubber (1998-2012)
Jeffrey A. Rahn	Inland Northwest (1998-2012)
Yorke E. Rhodes	New York (1998-2012)
Paul D. Schettler, Jr.	Central Pennsylvania (1998-2012)
Keith R. Vitense	Wichita Falls-Duncan (1998-2012)
Edel Wasserman	Ex Officio (1998-2012)
Darrell G. Watson	Heart O'Texas (1998-2012)

**Twenty (20) Years**

John E. Adams	University of Missouri (1993-2002)
	Physical Chemistry (2003-2012)
Paul S. Anderson	Medicinal Chemistry (1991-1993)
	Ex Officio (1996-2012)
Rita R. Boggs	Southern California (1993-2012)
Cherlynlavaughn Bradley	Chicago (1993-2012)
Daryle H. Busch	Columbus (1976-1978; 1986-1988)
	Ex Officio (1999-2012)
James L. Chao	North Carolina (1993-2012)
Bonnie A. Charpentier	Santa Clara Valley (1993-2005)
	Ex Officio (2006-2012)
Benjamin P. Huddle	Virginia Blue Ridge (1993-2012)
Warren D. Hull, Jr.	Eastern New York (1993-2012)
Paul W. Jagodzinski	Northern West Virginia (1987-2001)
	Physical Chemistry (2008-2012)
Melanie J. Lesko	Industrial & Engineering Chemistry (1993-2012)
David N. Nalewajek	Western New York (1993-2012)
Peter M. Schaber	Western New York (1993-2012)

**Twenty (25) Years**

Frank D. Blum	South Central Missouri (1988-2010)
	Polymer Chemistry (2011-2012)
Mary T. Burgess	Northeastern (1987-1995; 1997-2012)

**Thirty (30) Years**

Donald J. Burton	Fluorine Chemistry (1983-2012)
Peter C. Jurs	Computers in Chemistry (1979-1993; 1998-2012)
Roger A. Parker	Cincinnati (1983-2012)

**Forty (40) Years**

Gordon L. Nelson	Eastern New York (1972-1976)
	Ex Officio (1977-1985; 1987-2012)
Attila E. Pavlath	California (1973-1990)
	Ex Officio (1991-2012)

## REPORT OF THE COMMITTEE ON NOMINATIONS AND ELECTIONS

During its spring meeting in San Diego, the Committee on Nominations and Elections (N&E) developed slates of potential candidates for election to the Council Policy Committee (CPC) and the Committee on Committees (ConC) for 2013-2015. Information about the candidates and the elections appears under Item III of this agenda book. At the fall Council meeting, N&E will announce the names of the candidates for the three Elected Committees, and their photos will be projected on screen to assist Councilors with name recognition prior to voting.

Also, in San Diego, the committee reviewed the Petition on Candidate Comments in C&EN. After discussing the petition, the committee modified the N&E Campaign Guidelines ([www.acs.org/elections](http://www.acs.org/elections)), since the consensus was that this is a guideline issue and not a bylaw change. N&E is opposed to this petition as a bylaw change.

On Sunday afternoon, August 19, N&E will sponsor a Town Hall Meeting which will feature candidates running for Director-at-Large 2013-2015. This forum will facilitate communication among candidates, Councilors and Members using a moderated question and answer format. The forum begins at 4:45 p.m. in the Philadelphia Marriott Downtown, and ends at 5:45 p.m., so that members can attend Caucuses or other scheduled meetings. On Monday, August 20, you can meet the candidates for ACS President-Elect at the ACS National Exposition from 3:00 - 5:00 p.m. located in front of the ACS Booth at the Pennsylvania Convention Center in Halls A & B.

While in executive session, the committee will develop slates of potential candidates for President-Elect, 2014; Directors-at-Large, 2014-2016; and Directors, Districts II and IV, 2014-2016.

The "Petition to Amend National Election Procedures" has been submitted for consideration at this meeting and would change the President-Elect election process. This petition will be discussed by N&E during our open meeting on Monday, August 20, from 11:00 a.m. to 12:00 noon.

A Task Force on Redistricting was formed in San Diego to bring District III back into year-end compliance with Bylaw V, Sec. 4, a. The recommended redefined District boundaries are presented for action at this meeting.

N&E is always pleased to receive suggestions from Councilors of qualified members as potential candidates for all elected ACS offices. N&E sent a request for suggested names to all local section and division chairs. Please let us hear from you, too. We will have a staffed N&E table at the rear of the Council meeting room, as well as an open meeting on Monday, August 20, from 11:00 a.m. - 12:00 noon, to receive your suggestions or hear your concerns. As an alternative means of communication with N&E, please visit the ACS Web Site at <http://www.acs.org/>; under "Governance" click on "Committees" and then select "Nominations & Elections" or send an email to us at [nomelect@acs.org](mailto:nomelect@acs.org).

William H. (Jack) Breazeale, Jr. Chair

Jeannette E. Brown  
Martha L. Casey  
Dwight W. Chasar  
D. Richard Cobb  
Milagros Delgado  
Lissa Dulany  
Kevin J. Edgar

Catherine C. Fenselau  
Lydia E. M. Hines  
Anne T. O'Brien  
Sharon P. Shoemaker  
Ellen B. Stechel  
Andrea B. Twiss-Brooks  
Angela K. Wilson

Staff Liaison: Flint H. Lewis

### **Proposal to Transfer Two Local Sections**

The Committee on Nominations and Elections (N&E) is responsible for reviewing annually the distribution of member population within the six electoral districts to assure that the districts have equitable representation. According to Bylaw V, Section 4 a, the member populations of each district must be within ten percent of the result of dividing by six the number of members whose addresses lie within these districts. During its meeting in March 2012 (San Diego), N&E learned from year-end 2011 membership figures that the total membership in one electoral district was below the permissible minimum.

Based on the official local section member count as of December 31, 2011, the district totals are as follows:

District I	--	24,551
District II	--	21,791
District III	--	20,898
District IV	--	24,500
District V	--	23,001
District VI	--	25,516

TOTAL		<u>140,257</u>
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Average	--	23,376
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Permissible Range -- 21,038 to 25,714

It is apparent from the above data that the District III population was 140 members below the permissible minimum. In such cases, ACS Bylaws mandate that N&E recommend to Council a redefinition of District boundaries to bring the District III member population back into compliance with the Bylaw provision regarding population.

### **ACTION Requested**

The Committee on Nominations and Elections concurs with the recommendation of its task force (below) that the Hampton Roads and Western Maryland local sections should be shifted from District II to District III. N&E recommends Council adoption of the proposed realignment. This shift would meet the specified criteria for redistricting and it would bring the districts within permissible range.

### **Task Force Recommendation:**

In the process of considering the best path forward, the task force considered multiple options, looking at such key factors as:

- Present membership levels within the Districts
- Geographical locations of the Local Sections
- Already established relationships between Local Sections
- Potential membership levels within the Districts
- Local Section influence within each District
- Affecting as few local sections as possible to be in compliance.

In its final analysis, the task force makes the following recommendation to the whole of the ACS Committee on Nominations and Elections (N&E) which it determined was the best all-around solution:

The Hampton Roads Section and the Western Maryland Section be transferred from District II to District III

Hampton Roads Section = 301 members as of 12-31-2011

Western Maryland Section = 120 members as of 12-31-2011

District II membership, after such a transfer, would equal 21,370

District III membership, after such a transfer, would equal 21,319

Under this recommendation, Districts II and III would be within the newly established permissible range for membership.

**FOR ACTION**

**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~~):

**REVISED**

**BYLAW V  
Manner of Election**

**Sec. 13.**

*Fair Election Procedures*

**VERSION**

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

...

**FOR**

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.

**COUNCIL**

**c. Other than official position statements provided for in election procedures, the official organ of the SOCIETY shall not publish without charge any written material under the name of a candidate for any position on the Board of Directors, including President-Elect, at any time after May 1 in the year of the election.**

**ACTION**

...

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

(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**

### **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 prepared a revised version of the petition, making changes to clarify the wording so that the date is not ambiguous and in case the ACS Comment is renamed in the future, which would render the original proposed language invalid.

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

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

Dr. Harmon B. Abrahamson  
Chair



## REPORT OF THE COMMITTEE ON BUDGET AND FINANCE

The Society Committee on Budget and Finance (B&F) met on Saturday, March 24, 2012, to review the Society's 2011 financial performance. The Society ended 2011 with a net contribution from operations of \$20.9 million, on revenues of \$472.0 million and expenses of \$451.1 million. This was \$7.7 million favorable to the Approved Budget. After including the results of the Member Insurance Program, the Society's overall net contribution for 2011 was \$19.0 million, which was \$6.2 million favorable to the Approved Budget. In addition, the Society ended the year in compliance with four of the five Board-established financial guidelines. The reserve adequacy guideline, measured by the Fund Balance Ratio, was not met. This ratio declined in 2011, primarily as a result of an accounting charge related to the Society's postretirement benefit plans.

In other actions, the committee elected Dr. Robert Lichter as Vice Chair of the Committee and voted to recommend to Council that dues for 2013 be set at the fully escalated dues rate of \$151. In addition, the committee received a report from its Subcommittee on Communications. The Subcommittee on Financial Impacts of Constitution and Bylaw Amendments reported on one petition slated for Council action, the *Petition on Market Data Collection*, at this meeting. There were also two petitions slated for Council consideration at this meeting, the *Petition on Candidate Comment in C&EN* and the *Petition on International Chemical Sciences Chapters Funds*. The Subcommittee on Program Funding Requests provided an update on the schedule and process to be followed for the 2013 New Program Funding and Program Funding Reauthorization Requests. Lastly, the Program Review Advisory Group (PRAG) provided an update on its planned activities in 2012.

Pat N. Confalone, Chair

Ronald D. Archer  
Arindam Bose  
Dennis Chamot  
Bonnie A. Charpentier  
John B. Covington  
Arlene A. Garrison  
Martin L. Gorbaty  
Sharon L. Haynie  
Michael Jaffe

Paul W. Jagodzinski  
Neil D. Jespersen  
Madeleine M. Joullié  
Thomas H. Lane  
Cheryl A. Martin  
Robert L. Lichter  
Diane G. Schmidt  
Joseph P. Stoner

### Associates

Frank Blum  
Michael Doyle

Joseph Heppert  
Kristin Omberg

### Consultant

John R. Wiesenfeld

Staff Liaison: Brian A. Bernstein

## REPORT OF THE COMMITTEE ON EDUCATION

Eight thousand chemistry challenge kits, titled *Chemistry: Investigating your World*, were produced for the International Year of Chemistry, thanks to a grant from the National Science Foundation, and all have been requested by middle school teachers. Staff collaborated with the Office of Member Insights and Research to develop an evaluation survey for educators who have received a kit.

An external evaluation of the ACS Science Coaches Program has been completed by the Yeziarski Research Group. Participants reported a wide variety of positive outcomes for themselves and, as reported by teachers, for students. There is a high level of satisfaction with the program and a desire from teachers to have more interactions with coaches. Participants provided suggestions for improvement that build on the existing program strengths and have the potential to enhance how ACS staff and the program structure support coach-teacher pairs.

The joint SOCED-CPT Task Force continues to examine the chemistry-related recommendations contained within the *Scientific Foundations for Future Physicians* report produced by the American Association of Medical Colleges (AAMC) and the Howard Hughes Medical Institute (HHMI). Symposia on this topic are planned for the Biennial Conference on Chemical Education and the ACS National Meeting in Philadelphia.

ACS submitted a proposal to the National Science Foundation to create the Chemistry Teacher Education Coalition (CTEC), modeled after the Physics Teacher Education Coalition, which will actively engage chemistry departments in the preparation of future chemistry teachers. CTEC is designed to develop institutional models that lead to increased numbers of high school chemistry teachers who persist in the field, and to transform chemistry departments to include teacher preparation as part of their teaching and research mission.

The 2010-2011 ACS Student Chapter awards ceremony at the 243<sup>rd</sup> ACS National Meeting in San Diego honored 36 Outstanding, 87 Commendable, and 106 Honorable Mention chapters. Representatives from the Green Chemistry Institute presented Green Chemistry awards to 46 chapters. An estimated 1,300 people attended the event, which was sponsored by the Society Committee on Education. ACS President Bassam Shakhshiri gave welcoming remarks, and ACS President-Elect, Marinda Li Wu gave the closing remarks.

### Mary K. Carroll, Chair

Charles Baldwin  
Iona Black  
Simon Bott  
Mary K. Carroll  
John V. Clevenger

Deborah H. Cook  
Melanie M. Cooper  
Andrew D. Jorgensen  
Diane Krone  
Thomas H. Lane

Joan A. Laredo-Liddell  
Jennifer B. Nielson  
Ieva Reich  
Thomas W. Smith  
Donald J. Wink

Richard C. Bauer  
Steven A. Fleming  
Thomas B. Higgins  
Malika Jeffries-El

Associates  
Robert J. Levis  
Patricia A. Mabrouk  
Matthew J. Mio  
Angela R. Powers

Susan M. Shih  
Kristine S. Smetana  
Arden P. Zipp

Consultants  
Bryan Balazs  
G. Marc Loudon

Staff Liaison: Mary Kirchhoff

## REPORT OF THE COMMITTEE ON SCIENCE

ComSci will complete work this year on a multi-year priority initiative to facilitate research and education and thoughtful dialogue on alternative energy systems. This effort focused on four areas: hydrogen, solar, nuclear and biofuels. The committee organized several symposia at national meetings and conducted literature searches in these four areas, which resulted in useful documents and power point presentations available on the committee's new website. The committee has also been working with the Industrial & Engineering Chemistry Research Journal to publish special issues on these topics. One special issue has been published on nuclear fuels; the second combined issue on hydrogen, solar and biofuels is planned for publication this fall.

ComSci is currently focused on advancing its new 5-year strategic plan, which identifies challenges and opportunities for the scientific enterprise in general and the chemistry enterprise in particular. The plan serves as a blueprint for ComSci to make a broader impact on the professional growth of ACS members and scientific advancement for the benefit of the society. The strategic focus is in four main areas, including: "New and Emerging Frontiers in Science," emerging "National Science Policy Priorities," "Science for Diplomacy," and "Recognition and Celebration of Achievements" by fellow chemists. These strategic areas are consistent with the Society's mission and will demand collaboration with other ACS units.

As part of strategic plan implementation, ComSci organized several programs at national meetings, including Entrepreneurship. ComSci organized successful entrepreneurship symposia at the last three national meetings, including sessions on intellectual property protection and startup financing and commercialization. The speakers at these symposia also showcased examples of chemistry based start-up companies. In San Diego, the first-of-its-kind business plan competition was held. This event included an open forum, where speakers shared information about their technology platforms and company focus, and a closed door session where speakers presented their ideas for funding to angel investors in the area. Another session showcasing chemistry-based start-ups that are the direct outcome of technology transfer from universities will be held at the meeting in Philadelphia.

Emerging Frontiers: In order to identify new and emerging frontiers in science and in chemistry in particular, a first of its kind Nobel Laureates' Forum was organized at the ACS national meeting in March 2012. The forum attracted more than 120 participants and drew praise from attendees on both the concept and the content. The second session on the emerging frontier theme will focus on presentations in the inaugural Symposium of Presidential Young Investigator Awardees in Philadelphia. ComSci plans to hold a Nobel Forum at all spring national meetings and the young investigator forum at fall national meetings.

Science for Diplomacy: Towards the goal of science for diplomacy and global collaborations, the committee organized a symposium on alternative energy topics featuring internationally recognized scientists in this field to cover advances in this arena. The second effort focused on meeting with a delegation of chemists from Iraq to support their efforts of rebuilding their scientific professional organization. Both of these programs were very successful events.

The committee is well on its way to focus on other action items that are part of the new strategic plan. The committee encourages collaborations on these initiatives with other units within ACS and invites new members to join existing members in achieving its goals for a broader dialogue with the Society and to make a positive impact for ACS members.

Sadiq Shah, Chair

Christopher J. Bannochie  
Mark C. Cesa  
Mukund S. Chorghade  
Debbie C. Crans  
Alan D. English  
Victoria Finkenstadt  
John W. Finley  
Katherine C. Glasgow

Susan Kauzlarich  
Jennifer Stowell Laurence  
Laurie Locascio  
Barbara E. Moriarty  
Tina M. Nenoff  
Hessy L. Taft  
Robert A. Volkmann  
Robert C. Wingfield

Associates

Seven M. Bonser  
Robin J. Hood  
Edmund T. King

Barry Streusand  
Gloria Thomas  
Ralph A. Wheeler

Staff Liaison: Brian Dougherty

## What major efforts should ACS pursue to help alleviate water and other global challenges?

Members of the American Chemical Society (ACS) feel a responsibility as scientists and citizens to help address global challenges facing society in the 21<sup>st</sup> Century to help sustain Earth and its people. These include increasing **population growth, limited natural resources, malnutrition, disease, climate change, violence and war**, and the **denial of basic human rights, including the right to benefit from scientific and technological progress**.

Diverse and complex as these challenges may appear, many have a common denominator. It is the crisis in availability of water suitable for drinking, agriculture, and industry. The molecule, H<sub>2</sub>O, seems simple, but has properties that still puzzle and perplex us all <http://www.scifun.org/CHEMWEEK/PDF/COW-Water-Jan2011.pdf>. Similarly, water resources seem abundant and yet are so scarce. Among the planets orbiting our star, the Sun, Earth clearly is the “water planet.” Water seems to be everywhere. Its azure-blue cloak covers more than 70 percent of Earth’s surface, to a depth that in the Mariana Trench approaches 36,000 feet — cruising altitude of the jetliners that bring many of us to Philadelphia.

The down-to-Earth reality in water supply, however, is much different. Samuel Taylor Coleridge got it right two centuries ago when his Ancient Mariner, becalmed on a ship in uncharted waters, parched by thirst, mused: “Water, water everywhere; Nor any drop to drink.” About 97 percent of Earth’s water is salt water in the oceans or brackish water on land. People cannot drink that water or cook with it, nor can it irrigate crops, or serve a vital but often-invisible role in commerce and industry. Manufacture of a cotton shirt requires 700 gallons of water. The coffee for one cup takes 35 gallons. Producing a slice of bread requires 10 gallons of water, and 500 gallons go into production of one pound of chicken meat.

Earth’s inherent scarcity of fresh water already is having terrible consequences. More than one billion people now experience shortages of safe water. Those shortages of a **limited natural resource** are key factors in many other global challenges. **Disease** is one example. Almost 2.2 million children die every year from mostly preventable diarrheal disease due to unsafe water and lack of basic sanitation and hygiene. Pressures arising from **Population growth** are another. Demand for water grew at twice the rate of population increase in the 20<sup>th</sup> Century and is predicted to rise by at least 50 percent by 2025. In the Sahel region of West Africa alone, 18 million people were suffering from **malnutrition** and near-starvation levels of food shortages as of May 2012. Drought was a major factor. Many of the possible impacts of **climate change** involve changes in water supply, including an intensification of drought in parts of the world. Scarcity of water contributes to the lack of **basic human rights**, such as the right to an education, especially for women. Women and children in developing countries bear the burden of fetching water from distant sources, sometimes walking 5 miles each morning. The time needed for that chore is a key reason why girls drop out of school. Like oil in the 20<sup>th</sup> Century, water may become the commodity that fosters **war and violence** in the years ahead.

By addressing the global water crisis, ACS also will address other global challenges, consistent with the Society’s mission, to “advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people.” Past and current activities provide a foundation for further engagement on this issue. Among these activities are:

- **The PUR™ Initiative.** ACS local sections and school chemistry clubs, participating in the “Pennies for PUR™ Water,” effort collected \$18,000 for Proctor & Gamble’s Children’s Safe Drinking Water project. The program distributes PUR™ water purification sachets around the world. ACS’s contribution purified more than 1.2 million gallons of water.
- **ACS Local Sections.** ACS Local Sections have conducted classroom and other demonstrations to educate the public about water and research other efforts to help solve the global water crisis. The activities ranged from teaching school children to make simple filtration systems to a university project on collecting and reusing rainwater.

- **WaterCAMPWS Congress.** ACS collaborated with the American Institute of Chemical Engineers to sponsor the inaugural Congress for Water Purification Science and Technologies in the 21<sup>st</sup> Century in 2008. Presentations focused on the current state of knowledge and technology and future measures to address global water shortages.
- **The Global Innovation Imperatives (Gii).** ACS collaborated with the Society of Chemical Industries in 2008 to launch Gii, an effort to help solve global challenges by speeding up innovation, sharing chemical technologies, and other measures. Ensuring a stable, global supply of clean water for drinking and industrial use was the first imperative.
- **Office of Public Affairs.** ACS has informed the public and policy makers about water issues in publicity that appeared on websites with billions of unique visitors, print publications with millions of readers, and Science & the Congress briefings. More than 150 schools were engaged in the Global Water Experiment during the IYC.
- **ACS Education.** *Chemistry in Context*, the popular issues-based curriculum model for non-science majors at the college level, contains three chapters on water. *Chemistry in the Community*, a first-year high school chemistry textbook that covers concepts in the context of societal issues, offers a unit on exploring water solutions. Water issues also have been covered in a cover story and other content in *ChemMatters*, the magazine for high school students.
- **ACS National Meetings & Expositions.** Each National Meeting features hundreds of oral presentations and posters covering the full spectrum of water resource issues. These include presentations on new techniques for purifying water, technology to detect pollutants, and modeling the effects of climate change on the supply of clean water.

Shouldn't the American Chemical Society exert its influence on the chemical enterprise to further address the global water crisis and other global challenges? What are our responsibilities as chemical scientists in this regard? Your thoughtful contributions to this discussion will influence the Society actions to sustain our quality of life and to improve the lives of people for whom "Nor any drop to drink" is not a line of poetry but a grim daily reality.

## REPORT OF THE COMMITTEE ON DIVISIONAL ACTIVITIES

The Divisional Activities Committee (DAC) and the Committee on Meetings and Expositions (M&E) created a small working group to address policies dealing with remote access to live sessions originating from ACS national meetings. The working group, which is scheduled to meet in July 2012, will also review the need for additional policies governing the capture and subsequent online distribution of content delivered initially at our national meetings.

At the San Diego national meeting earlier this year, DAC approved 10 Innovative Project Grants (IPG) totaling \$60,700. DAC alerted all divisions that submitted a proposal as to their outcomes. The committee will consider another set of IPG proposals at the Philadelphia National Meeting.

Operating as a DAC subcommittee, the Multidisciplinary Program Planning Group proposed to the divisions the following themes for the 2015 national meetings:

- For the Spring meeting in Denver, “Chemical Resources: Extraction, Refining and Conservation”
- For the Fall meeting in Boston, “A History of Innovation: from Discovery to Application”

ACS staff briefed DAC on the survey results regarding FORMS. This is an online program that divisions and local sections use to submit their annual administration and financial reports. Due to multiple enhancements made to the system over the last year, overall satisfaction with FORMS increased from 34% to 76%. DAC has been actively involved with this initiative, and is pleased to see the dramatic improvement in terms of user satisfaction.

DAC, along with LSAC, is working with staff to provide local sections and divisions with a service that will make it easier for them to send bulk e-mail.

DAC received a request from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces and Nanomaterials. DAC has been working with representatives from the division on the appropriate process to follow to pursue this name change. DAC will work with all divisions to obtain feedback on this matter. DAC plans to make a recommendation to Council on this matter at the 2013 New Orleans national meeting.

### John M. Pochan, Chair

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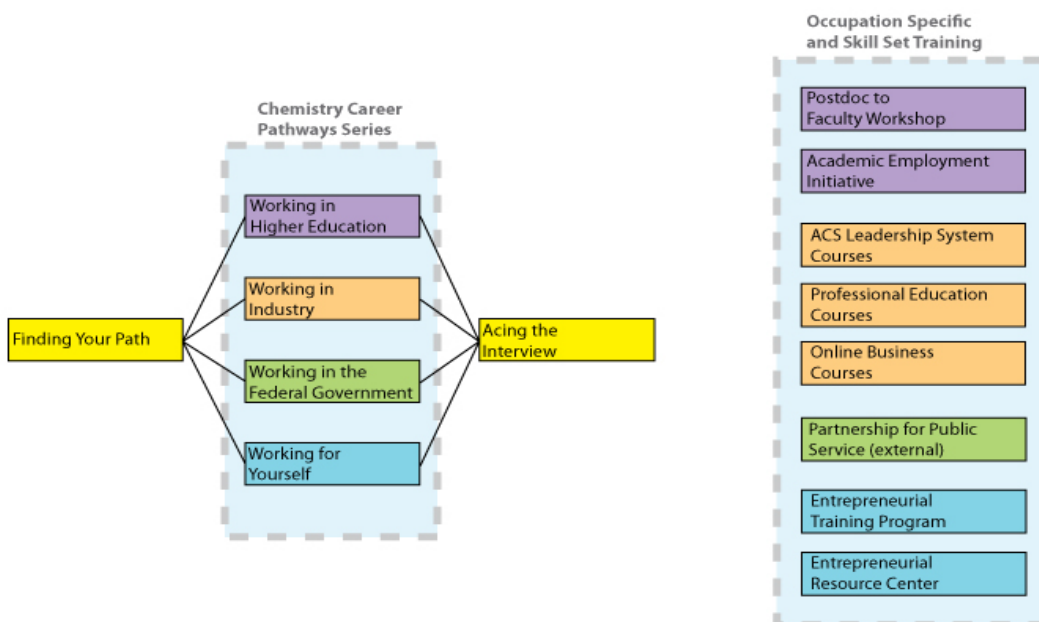
## REPORT OF THE COMMITTEE ON ECONOMIC AND PROFESSIONAL AFFAIRS

The overall unemployment rate in the U.S. (8.2 % as of May 2012) has remained fairly constant since our last meeting. The latest published unemployment figure for ACS members is 4.6 % as of March 2011 - the highest rate recorded since the annual Comprehensive Salary Survey was initiated in 1972. In some areas of the country the unemployment rate for our members is actually higher with unemployment rates of 7.4 % and 7.2 % for the Pacific and Mid-Atlantic regions, respectively.

As reported in C&EN (June 4, 2012, pg. 36), the ACS Starting Salary Survey revealed that unemployment continues to rise among recent chemistry graduates across all degree levels. An average 13.3% of recent graduates in chemistry and related fields were unemployed and seeking employment as of August 2011. New Ph.D. graduates were better off with 8.8% unemployment compared to 13.6% of B.S. graduates, and 17.8% of M.S. graduates. Salaries for recent Ph.D. graduates were up by nearly 10% in constant dollars, while M.S. graduates held steady, and B.S. graduates experienced a 3% decrease in constant dollars.

Populations with the greatest need for career services remain new graduates, postdocs, the long-term unemployed, and under-employed chemists. The 2012 Comprehensive Salary Survey, which was administered in March 2012 contained several questions aimed at collecting more information about the plight of these groups. Updated unemployment figures for 2012 will be shared during the Committee on Economic and Professional Affairs (CEPA) oral report to Council in Philadelphia.

The new ACS Career Pathways workshops were designed to make new graduates and displaced workers more aware of the variety of employment opportunities available in chemistry, and more competitive to obtain those positions. The workshops were piloted during the ACS National Meeting in San Diego, and over the course of the summer, 41 presenters were trained to present these workshops. The new workshops will be offered multiple times in Philadelphia, and will be rolled out to regional and local venues in 2013.



Finally, it should be noted that the latest draft of the Academic Professional Guidelines is included in this agenda book for your review. Any suggestions for revisions should be sent to [careers@acs.org](mailto:careers@acs.org) by September 30, 2012. Please note that this is a revision, and a complete re-write is planned in the near future. The revised document will be up for action at the Council meeting in New Orleans.

Lisa M. Balbes, Chair



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## Academic Professional Guidelines

### Introduction

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

These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry. For brevity, the term "~~chemical scientist~~" "academic chemical professional" is used broadly in these guidelines to refer to ~~undergraduate and graduate students, post-doctoral and research associates, technicians, staff members, and all part-time and full-time faculty members involved in chemical sciences and engineering.~~ research students (undergraduate, graduate, and postdoctoral), faculty members (tenure track, tenured, and non-tenure track) and staff (technical and administrative) at all academic institutions of higher learning involved in the chemical enterprise, including community colleges, primarily undergraduate institutions, comprehensive universities and graduate research universities.

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

### First Edition

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

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

### Second Edition

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

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

### Third Edition

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

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

### Fourth Edition

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

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

(Note: this section has been moved)

## General Guidelines

~~Chemical scientists~~ Academic chemical professionals in an academic community have the right to equal treatment and opportunity regardless of gender, race, national origin, religion, age, sexual orientation, gender expression, ~~and~~ gender identity, physical disability, or any other factor not related to the position. This includes a workplace free of intimidation, coercion, exploitation, discrimination, and harassment, sexual or otherwise.

A safe laboratory working environment must ~~always~~ be maintained. This includes providing facilities, equipment, and formal instruction adequate for the anticipated operations within the laboratory as well as compliance with federal, state, and local regulations. Attention should be focused on ~~the highest high~~ standards of laboratory practices as well as the personal responsibility of the individual laboratory worker. Faculty and staff have an ethical obligation to include teaching safety throughout the educational process so that students and graduates have strong skills in chemical and laboratory safety. Staff involved in managing, supervising, and working in laboratories must have sufficient knowledge of safety to effectively guide students in the application of safety principles and safe practices.

Laboratories should also be managed to minimize their impact on environmental and human health. The principles of sustainability and life cycle analysis should be included in administration and instruction.

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

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

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

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

~~Chemical scientists~~ Academic chemical professionals have a professional responsibility to serve the public interest and welfare and to further public understanding of science. ~~Chemical scientists~~ They should take personal responsibility to:

- Maintain high standards of honesty, integrity, and diligence in the conduct of education, research, and all other professional duties.
- Be concerned with the health and safety of co-workers, consumers, and the community. The expertise of a chemical scientist is required in matters of public health and safety.
- Provide considered comment to the public at large on matters involving chemistry. Chemical scientists are in the best position to decipher and communicate complex matters of chemistry for the general public.
- Honor commitments made in the context of fulfilling professional duties, whether to students, colleagues or employer.
- Establish and maintain lines of communication throughout and between the academic, professional, and governmental communities.
- Generate opportunities for appropriate educational and research collaborations.

## The Student and Postdoctoral Associate

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

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

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

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

Students and postdoctoral associates should take personal responsibility for learning understanding, practicing, and promoting appropriate safety ~~procedures~~ principles and practice, and recognizing that safety is an integral part of their chemistry educational process.

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

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

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

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

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

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

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

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

## **Postdoctoral Associates**

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

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

## **The Faculty Member**

### **Responsibilities to Students and Colleagues**

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

The faculty member must take responsibility for establishing a laboratory environment consistent with the current best practices in chemical safety, including the workplace right-to-know law governing employees and students. Throughout the student's (undergraduates, graduates, postdoctoral associates) entire educational process faculty members have responsibilities to teach laboratory safety skills based upon safety principles: recognizing and communicating hazards; assessing and minimizing the risks of hazards, and preparing for emergencies. It is critical that faculty lead by example in following safe practices and demanding their students do the same. Faculty members should use their expertise to assist university safety personnel in those situations involving chemical hazards or spills.

Faculty members should also consider environmental impacts and sustainability concepts in managing laboratories and in training students.

The faculty member should contribute to building a collegial environment among all full and part-time faculty members, students, postdoctoral associates, and staff. The faculty member should maintain an environment in the research laboratory that fosters productivity, collaboration, concern for safety, and respect among co-workers.

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

Full attention should be directed to student learning, recognizing that the acquisition, interpretation, and dissemination of knowledge are the principal functions of an academic institution. In this role as a teacher, the faculty member should stimulate the students' interest, broaden their outlook, and encourage a sense of inquiry. The faculty member should encourage the development of initiative and independent thinking by students and postdoctoral associates. Faculty members must balance their personal career interests with their responsibility to mentor and develop students and postdoctoral associates.

The faculty member should willingly serve as a mentor to students, postdoctoral associates, and other faculty members. Mentoring should include assistance in identifying and developing a successful career and should encourage the development of a sense of inquiry, a habit of broad-based learning, ~~and professional communication skills.~~ networking skills, and skills related to working in a team environment. The faculty member should encourage students and postdoctoral associates to seek opportunities (within reason) to broaden their education and professional development through experiences such as industrial or government internships, coursework in other disciplines, and other experiential programs such as classroom teaching, as appropriate for their career path.

The special obligation to provide sound guidance to undergraduate students should be recognized. Prospective mentors should seek professional development opportunities to increase their mentoring skills.

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

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

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

The faculty member should recognize the research contributions of students, postdoctoral associates, or staff by co-authorship or appropriate acknowledgment in publications. Regular and periodic evaluation should be provided to students and postdoctoral associates. This communication should concern the progress of the research and provide feedback regarding the status relevant to the project, as well as constructive suggestions toward resolution of any research difficulties encountered. A functioning advisory committee should be formed for each graduate student as soon as the research is initiated. The committee should meet periodically with the student and faculty member to evaluate progress and to provide further guidance to the student.

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

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

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

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

### **The Administration**

The administration has the responsibility to support ~~chemical scientists~~ academic chemical professionals in working toward the mutual goal of providing the highest quality instruction, research, and public service in chemistry at the institution.

### **General Responsibilities to ~~Chemical Scientists~~ Academic Chemical Professionals**

The hiring of full- and part-time faculty members, research associates, staff and postdoctoral associates and the admission of graduate students should be done with integrity using fair and ethical standards. Each institution should establish clear, written guidelines for compensation, benefits, and duration of appointments to safeguard against the abuse of ~~chemical scientists~~ academic chemical professionals in part-time, postdoctoral, and other non-tenured appointments. In similar fashion, each institution should establish a clear policy for Teaching Assistant responsibilities, regarding how much time a graduate student must spend teaching in order to earn a fair wage.

The institution should provide:

- Teaching and research facilities commensurate with expectations for academic professionals.
- Adequate library facilities and information technologies.
- Equal access for qualified students with disabilities through the provision of reasonable and appropriate accommodations. Faculty and staff should work with the institution to accomplish this goal.
- Information about copyright and patent laws, technology transfer, and intellectual property rights.
- ~~A safe working environment and promotion of a health- and safety-conscious atmosphere.~~
- Support in direction and funding to establish a vibrant, strong safety culture that promotes safety education, maintains a safe working environment, and encourages a health- and safety-conscious populace.
- Formal instruction on safe practices. Responsibilities for safety for all faculty and staff should be clearly defined.
- Contemporary educational technologies and modern laboratory instrumentation.
- Opportunities that encourage professional development and information on career pathways for chemical scientists.

### **Responsibilities to Graduate Students and Postdoctoral Associates**

Upon admission to the graduate program or acceptance of a postdoctoral position, each student or postdoctoral associate should be informed in writing of the financial support and benefits that normally may be expected during the appointment period as well as the terms and conditions of the appointment.

The institution or department should provide formally established procedures to resolve disputes equitably. Graduate students and postdoctoral associates should be informed in writing of these procedures, which should be structured to provide prompt due process.

Postdoctoral associates should receive fringe benefits comparable to permanent employees in equivalent positions.

Full-time graduate students should have access to institutional health benefit plans commensurate with full-time university staff.

Science-specific career and placement services should be provided for graduate students and postdoctoral associates.

### **Responsibilities to the Faculty Member**

The AAUP “Statement of Principles on Academic Freedom and Tenure” (1940), “Statement on Procedural Standards in Faculty Dismissal Proceedings” (1958), “Statement on Procedural Standards in the Renewal or Nonrenewal of Faculty Appointments” (1971), and “Statement on Professional Ethics” (1987) provide a framework for the institution in its relationship with faculty members.

A broad definition of scholarly work should be used by administrators to recognize and reward faculty members. Chemical education research and/or innovations should be part of such a definition.

The administration should provide regular teaching and learning workshops for full- and part-time faculty members and teaching assistants in order to ensure high quality instruction.

The administration should encourage and support faculty in building and maintaining a vibrant safety culture where safety education is promoted and faculty, staff, and students exhibit strong safety awareness and ethics. The administration should provide direction, management and financial support for safety, including laboratory and chemical safety.

The administration should provide both full- and part-time faculty members with fair compensation and fringe benefits, teaching responsibilities consistent with professional expectations and the mission of the school, and a governance framework providing for input and participation of the faculty.

Adequate financial support for scholarship should be made available to incoming faculty members so that they can begin to establish careers as productive teacher-scholars.

The administration should foster a climate of faculty mentoring throughout their careers. Each institution has a unique “culture”, the understanding of which is very important early in a career, and the administration should take efforts to insure that all faculty members are comfortable in this culture.

The administration should encourage and support collaborative scholarship and interdisciplinary programs so that the important role of chemistry in many other disciplines can be effectively exploited.

The administration should recognize that the evaluation of a faculty member's performance is best done by invoking a variety of techniques and approaches. In the case of collaborative work, the administration should develop means to assess and reward individual contributions appropriately.

### **History**

#### First Edition

Approved by the Council April 17, 1991

Adopted by the Board of Directors August 25, 1991

#### Second Edition

Approved by the Council March 16, 1994

Adopted by the Board of Directors June 3, 1994

#### Third Edition

Approved by the Council April 4, 2001

Adopted by the Board of Directors June 9, 2001

#### Fourth Edition

Approved by the Council (April 9, 2008)

Adopted by the Board of Directors (June 7, 2008)

#### Fifth Edition

Approved by the Council TBD

Adopted by the Board of Directors TBD



## REPORT OF THE COMMITTEE ON LOCAL SECTION ACTIVITIES

The Committee on Local Section Activities (LSAC) is completing its review of the 2011 Local Section Annual Reports from the 187 local sections. Reviewer comments are being posted in FORMS and all local section officers are encouraged to read the comments after notification of completion of review and provide feedback to LSAC as appropriate. A summary of the Local Section annual reports has been posted at [www.acs.org/getinvolved](http://www.acs.org/getinvolved).

LSAC is reviewing and categorizing the numerous events that were labeled as 'Best Practices' by local sections. These events will be shared with all sections via [www.acs.org/getinvolved](http://www.acs.org/getinvolved) during the fall. Overall, we were pleased with the amount of activity reported by the sections and encourage sections to report their events in FORMS as they occur.

LSAC is pleased to report the following progress since the San Diego national meeting:

- A Working Group of LSAC provided the committee with a recommendation, which was discussed and approved, to change the local section allotment calculator for 2013.
- LSAC continues to populate the *Online Speaker Directory* (<http://speakers.acs.org>) with speakers. Email [speakers@acs.org](mailto:speakers@acs.org) if your section needs assistance with scheduling a speaker or with partnering with neighboring local sections.
- One ACS Leadership Development System course has been hosted by an ACS local section. To host a course, email [leaders@acs.org](mailto:leaders@acs.org) for more information.
- A local section membership survey template suitable for local sections to modify to meet their needs has been developed and posted to [www.acs.org/getinvolved](http://www.acs.org/getinvolved).
- A webinar to refresh and enhance the information from the 2012 Leadership Institute was held on May 10<sup>th</sup>. The presentation focused on assisting with items that sections need to do in the fall; the transition to a new Executive Committee; and, leadership development within the section. A five-question survey was sent to participants immediately following the webinar. The webinar can be downloaded from [www.acs.org/getinvolved](http://www.acs.org/getinvolved). Another webinar will be held in the fall to provide 2012 Chair-elects with additional information to assist them with their year as chair.
- The 2013 ACS Leadership Institute will be held on January 25-27 in Dallas, Texas at the Intercontinental Hotel. LSAC is participating in the continuing improvement of the Leadership Institute through the multi-track subcommittee of the Leadership Advisory Board. All local sections should plan to send their 2013 chair-elect to this very informative training.

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## CALCULATION OF LOCAL SECTION ALLOTMENTS

The Bylaws of the American Chemical Society gives the Committee on Local Section Activities (LSAC) the responsibility of distributing an annual allotment to ACS local sections provided that they meet all reporting requirements. LSAC is also responsible for developing and reviewing the calculation that is used to distribute the allotments every three years or sooner, if deemed necessary. The committee has been carefully monitoring the distribution of local section allotments for the past several years and has noted that there is a deficiency in the current formula. If not corrected, the total allotment distribution for local sections will soon be greater than the money available to distribute. LSAC is now proposing a formula to correct this deficiency for the distribution of the 2013 allotments. LSAC will propose a long-term solution in 2013 for future allotment distributions.

Per Bylaw XIII, 3b, the amount of money to be allocated to Local Sections is 11% of total dues for the second preceding year. This is unchanged under this proposal, which only deals with how this Allotment is divided among the 187 local sections.

Currently, each local section receives a base allotment, plus a dollar value per each dues paying member as of December 31 of the second preceding year. The current formula is:

Allotment = Base + per member value (0—2000 members) + per member value (more than 2000 members)

In the current formula, the base and per member values are escalated each year using the Consumer Price Index (CPI).

This proposal seeks to remove the CPI escalator for 2013 and to use the 2012 base and per member values to calculate the 2013 allotments. With this proposal, each local section's allotment will change (increase/decrease) solely based on the number of members within the section rather than on the member count changes **and** the CPI.

The proposed formula for 2013 will look the same as the aforementioned formula without the CPI escalator. The base for each section will be \$4790 and the per member value for 0-2000 members will be \$6.20 while the per member value for 2000+ members will be \$4.10. These are the same values used in the 2012 allotment distribution. The calculation will be based on section membership at the end of 2011.

## REPORT OF THE COMMITTEE ON MEMBERSHIP AFFAIRS

The Committee on Membership Affairs (MAC) continues to work with all interested groups within the Society to identify new opportunities to attract and retain members.

### **Petition on Market Data Collection**

Based on Council's approval in San Diego of the Petition on Market Data Collection and the Board's subsequent concurrence, MAC is looking to prioritize the first data collection testing efforts. The issues of immediate concern to the committee include:

*Competition for Members* - The Society does have competition with sister societies who are using special pricing and benefit offers to attract new members, especially students. Consideration is being given to testing discounts for joining in conjunction with meeting registration. Or, testing limited time discounts in conjunction with another purchase like ACS Sci-Mind professional education courses. Students and academicians could be an audience for a test of the Member-Get-a-Member program with the prize for nominating more than XX paid new members being a free or discounted membership for the nominator in addition to the Periodic Table Throws. This approach might also be conducive to identifying new international members.

*Request for Bundled Pricing* - MAC is also aware of the complaint from some members that their employers will not pay ACS membership dues separate from meeting registration. Consideration will be given to offering a combined meeting registration and membership.

*Renewal Incentives* - The Board of Directors has been in favor of encouraging more members to renew online and one possible incentive would be to offer a percentage discount for renewing online or for renewing early.

*Global Markets and Target Audience* - Until the adoption of the Petition on Market Data Collection, the ACS bylaws have not allowed for a trial offer to a test group, for instance prospective members in a specific country, of a modified ACS membership discounted to 50% or 35% of full dues. The data collected might inform us that interest from the test group when compared to a control group offered full membership at the full dues amount is similar and, therefore, the Society should not modify the benefit offering or discount the membership dues.

MAC will also continue to work with the Society Committee on Education (SOCED) in the area of benefits for high school teachers designed specifically for their interests. Possible testing might be a specific high school teacher - member benefit offerings that is competitive with the \$75 dues rate for membership in the National Science Teachers Association (NSTA). One suggestion that has been made repeatedly by high school teachers themselves is that they would prefer to receive the *Journal of Chemical Education* as a benefit of membership rather than *C&EN*.

Chemical technicians are another market for whom testing a modified benefit package with a lower dues rate might be attractive.

All test results will be reported to Council. The number of members or prospective members in a test will not exceed a number equal to 10% of the membership and be limited to three years unless an extension is granted by Council. The data collected from the testing will be used to inform Council in its deliberations about permanent bylaw changes.

MAC invites all interested Councilors and Members to join the committee for discussion, questions, and answers about the Market Data Collection testing process and subjects during the MAC Open Meeting, Monday, August 20, 1:00 – 2:00 p.m. at the Philadelphia Marriott Downtown.

### **Recruitment and Admissions Subcommittee**

This subcommittee will be actively participating in discussions about future testing to attract new ACS members. In addition, it is working with staff on a new version of the Online Membership Application and gift memberships.

### **Categories and Dues Subcommittee**

The subcommittee continues to collaborate with the Society Committee on Education (SOCED) in discussions about ACS benefits and services to high school teachers.

MAC has requested that another member of MAC who is also on the Categories and Dues Subcommittee be appointed by SOCED to the Subcommittee on High School Teachers. MAC is exploring a wide range of new benefit possibilities for high school teachers including a bundled offering of membership and the Journal of Chemical Education; certification; continuing education; leadership development; or an affiliate membership status.

The subcommittee also requested additional information from the Budget & Finance Committee to inform its review of the Consumer Price Index for Urban Wage Earners and Clerical Workers, Service Category, (CPI-W). The other possible Consumer Price Index choice is the CPI for All Urban Consumers (CPI-U) as the basis for the calculation of the ACS Member dues escalator.

### **Retention, Benefits and Services Subcommittee**

The subcommittee is collecting data and on new initiatives for renewal of membership dues through scheduled, automatic payments, and bundled payments to combined transactions such as dues and national meeting registration. Several different scenarios are being considered for possible institutional memberships.

New affinity partnership agreements are being reviewed with Capital One, Sprint, and Dell Computers.

Wayne Jones, Chair

Rita R. Boggs  
James Duddey  
Merle Eiss  
Carmen V. Gauthier  
Warren Hull

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

Herb Silber  
Paul Smith  
Ruth Tanner  
Peter Zarras

#### **Associates**

Robert S. Cohen  
Resa M. Kelly  
Margaret J. Schooler

Staff Liaison: Debora Fillinich

**FOR ACTION**

**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~~):

**REVISED**

**BYLAW IX**

**International Chemical Sciences Chapters**

**VERSION**

**Sec. 4.**

**FOR**

**COUNCIL**

**ACTION**

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 grant 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. (~~11/18/94~~)

**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**

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

The Society Committee on Budget & Finance has examined this petition and concludes that the implementation of the petition will have a minor negative impact on the finances of the Society, given the five chapters currently active; however, given the potential for indeterminate growth in the number of International Chapters and Society activities which could be supported, it cannot assess with reasonable accuracy the range of potential costs resulting from the implementation of this petition in the future.

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

The Committee on Constitution and Bylaws made one change to the petitioners' version; "allocate" was changed to "grant" because C&B thinks this is more clear.

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

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

Dr. Harmon B. Abrahamson  
Chair

## REPORT OF THE COMMITTEE ON MEETINGS AND EXPOSITIONS

The Committee on Meetings and Expositions (M&E) reports that the audited number of attendees for the 243<sup>rd</sup> ACS National Meeting in San Diego was 16,869. The exposition had 408 booths representing 268 companies and met projected revenue.

In Philadelphia, M&E will take action to address the challenges faced concerning venues for divisional programming. The committee will seek to outline the problems we are seeing with site location and requests from divisions to be located in the same venue as another division. M&E will prepare a statement that explains the process and the challenges we encounter as ACS national meetings continue to grow in size and papers presented.

M&E and the Divisional Activities Committee (DAC) created a small working group to address policies on remote access to live sessions originating from ACS national meetings. The working group, which is scheduled to meet in July 2012, will also review the need for additional policies governing the capture and subsequent online distribution of content delivered initially at our national meetings.

For the Philadelphia national meeting, M&E offered early registration rates to those who could document visa delays. This pilot program was in response to a number of international attendees who missed early registration while waiting for their travel visas to be approved.

M&E continues to work on establishing parameters that will allow ACS to evaluate cities that are chosen for future national meetings. Data from surveys on cities we have already used along with information about attendee preferences, financial result metrics, and convention infrastructure will be combined to develop a working algorithm for site decisions. The M&E Site Subcommittee held several conference calls after the meeting in San Diego. The results will be reported to M&E in Philadelphia.

In 2011, seven regional meetings were held which attracted more than 6,244 attendees. A total of 3,551 abstracts were presented.

Dee Ann Casteel, Chair

V. Dean Adams  
Anthony W. Addison  
Alan B. Cooper  
William H. Daly  
Emilio X. Esposito

Kathleen Gibboney  
Lynn G. Hartshorn  
C. Marvin Lang  
Melanie J. Lesko  
John M. Long  
Will E. Lynch

Christopher Masi  
Guenter Niessen  
Richard A. Palmer  
Frank Romano  
Don B. Weser  
Mark Wicholas

### Associates

Cherlynlavaughn Bradley	Martha G. Hollomon
Jetty L. Duffy-Matzner	David J. Lohse
Wendy C. Flory	N. Bhushan Mandava
Robert J. Hargrove	Robert A. Pribush
	Steven W. Yates

Staff Liaison: Alan Hutchins

## 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 East Texas and Puget Sound Local Sections. Since the last meeting in San Diego, C&B also reviewed proposed bylaw amendments and submitted a preliminary report to the Illinois-Iowa Local Section.

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 June 1, 2012 with changes approved by the Council in San Diego and by the Board of Directors at their June meeting.

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

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

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

- **Petition to Amend National Election Procedures** (yellow sheets)

Written arguments of opponents or proponents of the petition for consideration should be submitted by **September 21** 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 **December 19**, to be included in the Council agenda for the spring 2013 meeting in New Orleans.

For those divisions and local sections that need to update their bylaws, please request a Word document of your current bylaws to use as a starting point, 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, August 19, from 1:00 to 1:30 pm, at which the committee will discuss the issues on its agenda, including the petition presented for consideration, as well as any other matters that Councilors and other members may wish to discuss with C&B.

Harmon B. Abrahamson, Chair

Mark A. Benvenuto  
Kenneth G. Brown  
James C. Carver  
Matthew K. Chan  
Donna G. Friedman

Herbert S. Golinkin  
Donald K. Harriss  
Eckhard Hellmuth  
Walter O. Siegl

Terrill D. Smith  
Steven Trohalaki  
John A. Whittle  
Doris L. Zimmerman

### Associates

Stan S. Hall  
Virgil J. Lee  
Paul D. Schettler  
Paul F. Vartanian

Staff Liaison: Barbara F. Polansky



Please attend the open meetings of any of the following committees to discuss this petition, ask questions and/or hear comments. 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 with primary substantive responsibility**)

For more information see [www.acs.org/bulletin5](http://www.acs.org/bulletin5) (click on petitions) or contact [bylaws@acs.org](mailto:bylaws@acs.org). The deadline for written comments is September 21, 2012.

## O R I G I N A L

### FOR CONSIDERATION

#### Petition to Amend National Election Procedures

##### **Bylaw V, Sec. 1, 2a, 2b, 5, 11b**

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

##### *Preamble*

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

##### **Sec. 2.**

##### *President-Elect*

a. On or before ~~January 15~~ April 15, the Committee on Nominations and Elections shall transmit to the Executive Director of the SOCIETY, ~~for presentation to the Council, the names of four~~ the names of two MEMBERS of the SOCIETY as ~~nominees~~ candidates for President-Elect. ~~(9/29/94)~~

b. The Council, at a meeting to be held not later than May 1, shall select as candidates ~~for President Elect two of the nominees presented under the provisions of these Bylaws. (9/29/94)~~ The Executive Director shall cause to be published in the official journal in the first issue published after April 30 the names of the two candidates.

...

...

**Sec. 5.**

*Nomination for President-Elect by Councilor Petition*

Wherever in these Bylaws provision is made for selection of candidates for President-Elect by the ~~Council from a list of nominees presented by its~~ Committee on Nominations and Elections, nothing herein shall prohibit petitions for nomination **of candidates** from the floor at the Council meeting provided that such petitions are submitted in writing and signed by not fewer than 50 Councilors present at the meeting and provided that not more than one-third (1/3) of such Councilors shall be MEMBERS of any one Local Section. MEMBERS whose names are so presented shall become ~~nominees~~ **candidates** for that office. ~~(9/29/94)~~

**Sec. 11.**

*Requirements for balloting.*

...

b. The Committee on Nominations and Elections shall set and announce in advance of the balloting for President-Elect, District Director, and Director-at-Large the interval during which ballots must be received to be counted; this interval shall be ~~not less~~ **no more** than four ~~nor more than seven~~ weeks following distribution of the ballots. (10/19/04)

**Explanation**

The increasing demands of recent campaigns for electing the President-Elect of ACS have made it ever more difficult to recruit leaders in the chemical community to accept nomination. The problems are increased substantially by the process used to choose candidates from among nominees, as otherwise potentially excellent candidates are often voted off the ballot because they are not well known to Councilors. This happens often with those from industry, and even one academic who later went on to receive the Priestley Medal suffered the same fate. Serving many years in ACS governance is not, and should not be, a pre-requisite for serving as President-Elect.

The proposed bylaw changes would charge the Committee on Nominations and Elections (N&E) to find two candidates for President-Elect. Others, as now, may be nominated by members by petition, and procedures for preferential balloting remain unchanged. All candidates could then be invited to a public forum, such as a Town Hall meeting, at the fall national meeting, and would appear on the ballot. This process would (1) substantially ease the burden on N&E, (2) shorten the campaign season – much desired by all, and (3) allow all candidates to be seen by Council and other members at the fall national meeting.

Signed:

Lisa M. Balbes  
Arindam Bose  
Dennis Chamot  
Donald D. Clarke  
D. Richard Cobb

Ronald P. D'Amelia  
Alan M. Ehrlich  
Dana Ferraris  
Ling Huang  
David A. Lloyd

N. Bhushan Mandava  
Kim M. Morehouse  
Sabrina G. Sobel  
Nanette Wachter  
James J. Zwolenik

(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 shorten the campaign period for candidates for President-Elect and to charge the Committee on Nominations and Elections (N&E) with proposing two candidates for President-Elect so that Council would not need to vote on a list of nominees. The process for petition candidates would not change.

Within thirty days after the Council meeting at which this petition is considered, comments and suggestions on the substance of the petition from opponents, committees, petitioners, and other interested members, should be directed to the Chair of N&E, which has primary substantive responsibility for the petition. Other comments and suggestions may be directed to C&B ([bylaws@acs.org](mailto:bylaws@acs.org)).

Dr. Harmon B. Abrahamson  
Chair

A. Analytical Reagents

The dramatic changes occurring in the publishing business will impact the future editions of Reagent Chemicals. The eleventh edition will most likely be the last to appear as a hard bound text. Financial numbers from sales of the 10th edition indicate that this change is inevitable as the on-line edition sales are starting to exceed that of the book version. Combined sales of the on-line and book form for the tenth edition have exceeded sales of any previous editions.

The committee is working to update the current edition due to a lack of economically viable access to laboratory facilities, not so much to develop methods but more to validate the breadth of methods that are being revised. In addition, customer and user reluctance to switch to newer methods where significant investment in laboratory equipment would be required has also been an issue in these difficult economic times. Nevertheless the committee is proceeding with several major method modifications including the elimination of Heavy Metals by sulfide precipitation by incorporating the use of ICP-OES for the majority of metals testing. Also, the addition of GLC methods for the testing of Carbonyls will lead to the removal of Polarography as the official method. Several classes of new Reagents will also be added while the committee continues to remove those Reagents no longer utilized by the majority of testing laboratories.

Paul A. Bois, Chair

Russ Cooper  
James N. Francis  
Kenneth J. Herwehe  
Jack Hubball  
Robert W. Kramer

Donald S. MacLean  
Tom J. Mancuso  
Loren C. McBride  
Rajendra V. Mehta  
Mary Beth O'Donnell

Richard J. Petroski  
Nancy S. Simon  
Vanaja Sivakumar  
Robert Thomas  
Tom Tyner

Associates

Jamie Cote  
Michael Jeitziner  
Nelly N. Mateeva  
Shyam K. Verma  
Wayne C. Wolsey

Consultant

William E. Schmidt

Staff Liaison: Robert W. Hauserman

B. Chemists with Disabilities  
(joint with Board)

The Committee on Chemists with Disabilities (CWD) was the top winner in the employer category of the Campaign for Disability Employment's "What can YOU do?" video contest! CWD and the ACS Digital Services/Office of Public Affairs created and produced the video which reflected the diversity of skills that people with disabilities offer, challenged misconceptions about disability and employment, and/or highlight employers inclusive employment programs and practices. CWD and the Department of Diversity Programs (DDP) sponsored the video.

At the San Diego national meeting, CWD refocused the subcommittee structure to concentrate on more specific projects instead of broader project types. The subcommittee projects and the specific goals of each are listed below:

**CWD Publications:**

- ***"Teaching Chemistry to Students with Disabilities"***  
Goal: Update the subject matter and convert it to a media that is accessible to high school educators.
- ***"Working Chemists with Disabilities"***  
Goal: Update with new people (profiles) in a video format that is interactive with community submitted updates.

**Additional Projects:**

- **History Preservation**  
Goal: Capture and organize archives of the committee before losing institutional memory.
- **Travel Grant**  
Goal: Seek corporate donations to sponsor a travel award for disabled students.
- **Publications with C&EN**  
Goal: Establish collaborative efforts to develop articles involving chemists with disabilities.  
A representative from C&EN presented and facilitated answers that the committee had regarding possible ways to highlight the stories of chemists with disabilities in C&EN.
- **Partnering with Other Agencies**  
Goal: To bring other professional agencies to the level of ACS and American Association for the Advancement of Science (AAAS) with respect to scientists with disabilities.

OXIDE (Open Chemistry Collaborative in Diversity Equity) and AAAS representatives presented and the committee discussed with them areas of collaboration.

Additional presentations were given by representatives from the Leadership Advisory Board (LAB) and the ACS Strategic Planning Office. The Higher Education Department's Assistant Director thanked the committee for their feedback on an article on students with learning disabilities before it was published in *In Chemistry*.

CWD received the **"Salutes to Excellence Award"** from the Committee on Community Activities (CCA) for support of National Chemistry Week and the commitment to improve the public perception of chemistry, by translating the *"Celebrating Chemistry"* publication into Braille in multiple languages.

Looking forward to Philadelphia, the CWD submitted a proposal to the National Science Foundation (NSF) for a major expansion of the publication *Teaching Chemistry to Students with Disabilities*. The committee will discuss and outline in Philadelphia what changes that need to be made to the publication and of converting it to a digital format that is text-to-voice compatible for persons with low vision.

CWD is also planning to convert another publication *Working Chemists with Disabilities* into video format in conjunction with the ACS Short Courses and will discuss how to move forward and who talk to.

In partnership with the ACS Diversity and Inclusion Advisory Board and based upon what is planned for the Presidential Event 2013 “*Diversity in the Workforce*,” CWD will discuss and map out what and how they will participate.

CWD will discuss ways to recruit undergraduate students with disabilities to attend ACS meetings and for younger members to possibly serve on the committee.

Karl S. Booksh, Chair,

Allison Aldridge  
Raymond Decker  
Jean Delfiner  
Dennis M. Fantin  
Paul S. Furth  
Robert Gates

Roland F. Hirsch  
John J. Johnston  
Dorothy L. Miner  
Todd E. Pagano  
Missy A. Postlewaite  
Annemarie D. Ross

Marilynn Sikes  
Judith A. Summers-Gates  
Cary A. Supalo  
Edel Wasserman  
Zelda R. Wasserman

Associates

Kristin Bowman-James  
Lee W. Hoffman  
Michael J. Kenney

R. Daniel Libby  
Keroline M. Simmonds

Consultant  
Virginia Stern

Staff Liaison: Paula D. Christopher

C. Community Activities  
(joint with Board)

On April 22, the Committee on Community Activities (CCA) led the Society's outreach efforts for Chemists Celebrates Earth Day (CCED) with the theme "Rethinking Recycling – It's Easy to be Green." More than 42,500 copies of *Celebrating Chemistry*, the hands-on activity publication, were distributed in English and Spanish. A total of 1,600 volunteers were used to support CCED 2012 celebrations which had more than 33,000 attendees. In addition, many local sections held an Illustrated Poem Contest, which received more than 1,100 entries.

The Committee on Community Activities (CCA) is gearing up for the 25<sup>th</sup> Anniversary of National Chemistry Week (NCW) with the theme "Nanotechnology: The Smallest BIG Idea in Science." NCW (formerly National Chemistry Day) is the vision of former ACS President Dr. George Pimentel. Since 1984, National Chemistry Day has grown from a biennial event to a week-long, annual outreach program. Events planned for Philadelphia National Meeting are the Presidential Outreach Event "Exploring Our World Through Chemistry" at The Franklin Institute (Sunday, August 19, at 10:00 a.m.); 25 Years of NCW Reception at the Chemical Heritage Foundation (Sunday, August 19, at 6:00 p.m.); and the Presidential Symposium "Communicating Chemistry and Public Engagement: Celebrating the 25th Anniversary of National Chemistry Week" at the Philadelphia Marriott Downtown (Monday, August 20, from 8:30 a.m. to 4:30 p.m.).

ACS is partnering with Nanoscale Informal Science Education Network (NISE Network) to share outreach ideas based on the NCW theme. Resources provided to local sections include *Celebrating Chemistry*, our hands-on, outreach publication, podcasts, "how to" activity videos, educational resources, and more. There is also an Illustrated Poem Contest for NCW. Contact your Local Section Coordinator for details. More information on NCW, the Illustrated Poem Contest, and the NISE Network partnership is available at [www.acs.org/outreach](http://www.acs.org/outreach).

Looking forward to Spring 2013, the Chemists Celebrate Earth Day (CCED) program will celebrate its 10<sup>th</sup> Anniversary. The topic will be a "Best of" CCED and highlight the successes of the program over the last 10 years (the official title will be released at a later date). For more information, contact [outreach@acs.org](mailto:outreach@acs.org).

Lynn Hogue, Chair

Ronald P. D'Amelia  
Robert de Groot  
Marilyn Duerst  
George H. Fisher  
Melissa L. Golden  
Tracy A. Halmi  
Alan A. Hazari

George L. Heard  
Lynn Hogue  
Christine H. Jaworek-Lopes  
Sheila Kanodia  
Michael B. McGinnis  
E. Gerald Meyer  
Kim M. Morehouse

Ms. Sally B. Peters  
Mrs. Analice H. Sowell  
Sanda P. Sun  
Jeffrey B. Trent  
Ruth Ann Woodall

Associates

Holly L. Davis  
Kenneth P. Fivizzani  
Avrom C. Litin

Ressano Machado  
Amy M. Pollock  
Richard G. Rogers

Staff Liaison: Alvin Collins

D. 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 Philadelphia, the ACS Committee on International Activities (IAC) is launching the ACS International Center and convening symposia on topics which support the committee's strategic interests.

**ACS International Center**

The ACS International Center is envisioned as an online clearinghouse for information on international collaboration, education, and experiences for chemistry practitioners. It will be a single, efficient and comprehensive resource showcasing existing international collaborative opportunities, sharing experiences and imparting information on logistics involved in international work, education, and travel. The International Center website launch is targeted for December 2012. For more information on the ACS International Center, you are cordially invited to a launch ceremony during the IAC Reception from 5:30 - 7:30 p.m. on Sunday, August 19, at the Loews Philadelphia Hotel, Millennium Hall.

**ACS/FACS Symposium: East Meets West: Innovative Chemistry Research for Health and Medicine**

On Tuesday, August 21, 2012, IAC, in collaboration with the ACS President, will host *East Meets West: Innovative Research for Health and Medicine*, featuring 10 dynamic researchers from 5 countries (Thailand, Singapore, China, Malaysia and US) discussing their work on bio-materials and tools. The symposium will be held on from 8:30 - 11:30 a.m., and 1:30 - 4:30 p.m. in Salon D of the Philadelphia Marriott Downtown.

**International Sustainable Development: Institutional Frameworks**

This IAC sponsored symposium on "International Sustainable Development: Institutional Frameworks" will explore ways that organizations and institutions can create significant frameworks that enable the discipline of Chemistry and its scientists and engineers to work towards solving global challenges. During this session, expert speakers will discuss how their projects are improving medicine manufacture and delivery in Africa, aiding coffee production and processing in Latin America, ensuring access to clean water and sanitation, and forming eco and educational partnerships in China and Africa. The half-day symposium, co-sponsored by BMGT and AGFD, begins on Monday, August 20th at 9:00 a.m. in the Philadelphia Marriott Downtown, Salon D.

**Fulbright Scholars and Seeding Labs.**

As part of a pilot initiative, IAC will be hosting two international Fulbright Scholars - from Belgium and Uzbekistan - with expertise in the chemical and environmental sciences to participate in a small group discussion centered on global water issues discuss and to learn more about the interests and needs of scientists who are temporary visitors to the United States. In addition, the IAC will be joined by a Kenyan lecturer who will deliver a presentation during the IAC's Open Meeting on Saturday, August 18, 2012 beginning at 1:00 p.m. in the Philadelphia Marriott on science in Kenya, his work seeking new drugs against malaria, particularly the isolation and characterization of compounds from Kenyan medicinal plants, and his cooperation with the Boston-based non-profit, Seeding Labs.

Judith L. Benham, Chair



Madan M. Bhasin  
Susan B. Butts  
Guang Cao  
Eun-Woo Chang  
Ellene T. Contis  
Richard S. Danchik  
Richard W. Hartmann  
Bryan R. Henry

John O. Hoberg  
Rolande R. Hodel  
Michael Hurrey  
Gabriel A. Infante  
Venera Jouraeva  
Eli M. Pearce  
Martin Thompson

Associates

Morton Z. Hoffman  
Csaba Janaky  
Jody A. Kocsis  
Rama Konduri

Agnes M. Rimando  
Jonathan L. Sessler  
Isai T. Urasa  
Douglas B. Walters

Staff Liaison: Bradley D. Miller

E. Minority Affairs  
(joint with Board)

At the ACS Fall National Meeting in Philadelphia, the Committee on Minority Affairs (CMA) is co-sponsoring along with the Women Chemists Committee and the Chemical Heritage Foundation a symposium on “Dr. Marie Maynard Daily, Her Life and Legacy” organized by the HIST Division. The half-day symposium will focus on the life of Marie Daily, the first African-American woman to receive a PhD in chemistry, and what influenced and motivated her and her work.

For the New Orleans 2013 spring meeting, the CMA is organizing a symposium “Water, Energy, Health, and Education: Working Together for Global Solutions”. This symposium is co-sponsored by the PROF Division. Also for New Orleans, CMA is co-sponsoring a symposium and panel discussion on *Women Chemists of Color in Industry*, organized by the PROF Division.

The CMA was represented at the *ChemEd Bridges Workshop* on student transfer from two-year to four-year institutions. The output of this workshop was a student transfer guide, and recommendations for the community, the *ChemEd Bridges* (an NSF-funded project for cooperation between institutions) and the ACS.

CMA continues its ongoing contribution to increasing the number of minority scientists on editorial boards of ACS journals. Earlier this year, CMA submitted to ACS staff for consideration the names of two qualified candidates for the position of Editor of Inorganic Chemistry.

In Philadelphia, CMA will host a ticketed luncheon featuring the 100<sup>th</sup> Scholar who went on to earn a PhD.

We would like to remind Local Sections of the mini grants of up to \$500 to support the implementation of programs that encourage the participation of minority scientists in the chemical sciences and the ACS. Grants are offered on a one-time basis to help start a diversity committee or activity in a local section. Applications are reviewed year round.

Finally, the CMA is seeking partners to develop symposia and programs at national meetings in support of increasing the participation and visibility of minority scientists in the ACS. If you have any ideas or interest in assisting CMA, please contact its Chair or Staff Liaison.

Al Ribes, Chair

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#### F. Nomenclature, Terminology and Symbols

At the executive session of the committee, copies of the newly-produced operations manual were reviewed with attention to its relationship to the ACS Strategic Plan for 2012 and Beyond.

Committee members, who are also members of related organizations including the IEEE SCC14 and IUPAC groups, gave reports of on-going work in those organizations of particular relevance to the Society. A PowerPoint presentation on IEEE SCC14 committee activities is available at the committee workplace on the ACS Network.

The Chair and Staff Liaison participated in a discussion with ACS journal editors on the issue of proper nomenclature usage in Society journals. The committee's discussion explored ways to increase the likelihood that authors and journals will put more emphasis on recommended, unambiguous nomenclature.

The Chair also reported that, at its October 2011 meeting, the international body concerned with SI Base Units accepted the idea of "explicit constant" definitions of SI Base Units but postponed adoption of the actual redefinitions until 2015 (or later). Some national and international chemistry organizations have expressed opposition of the proposals developed last year. The committee plans to develop short but accurate explanations of SI Base Units for different age and educational levels.

The committee is examining sustainable ways to meet its liaison duties with ACS and international organizations with which we should develop interactions. A list of such groups will be sent to NTS members who will select a short list for discussion and selection at the next committee meeting.

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Derek Horton  
Bob A. Howell

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G. Patents and Related Matters  
(joint with Board)

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

For many years, CPRM has worked to help reform the patent system. These efforts have finally culminated with the recent passage of the America Invents Act. Now, CPRM is monitoring the implementation of the most significant patent reform legislation in fifty years. CPRM is planning several new initiatives to help inform ACS members about the implications of patent reform on the chemical enterprise. CPRM has partnered with the Chemistry and the Law Division to provide patent-related programming at national and regional meetings. In addition, CPRM has created numerous educational materials, many of which provide guidance regarding second careers in the area of intellectual property. CPRM's materials are available on its new website.

CPRM has recommended several outstanding nominees for the National Inventors' Hall of Fame and the National Medal of Technology and Innovation. In addition, CPRM recommends nominees for the National Women's Hall of Fame, the nation's oldest membership organization recognizing the achievements of great American women. Inductees are selected every two years based on their lasting contributions to society through the arts, athletics, business, education, government, humanities, philanthropy and science.

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

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David Mitchell  
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H. Professional Training  
(joint with Board)

At the March 2012 meeting, the Committee on Professional Training (CPT) evaluated 49 periodic reports from currently approved programs. Approval was continued for 28 programs. Eleven programs were asked for more information, and ten programs were found noncompliant with the guidelines. The committee met in conference with six programs applying for ACS approval and discussed progress reports from two applicants for ACS approval. One appeal of an action to withhold approval and one report from a program on probation were also reviewed. The total number of colleges and universities offering ACS-approved bachelor's degree programs is 667.

The committee refined 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 was conducted in the spring to collect data on the impact of the 2008 ACS Guidelines. Preliminary results will be reviewed at the summer retreat. The committee welcomes comments on the ACS Guidelines and approval procedures, which can be sent to [cpt@acs.org](mailto:cpt@acs.org).

Discussion continued on the future of the *ACS Directory of Graduate Research (DGR)*. The committee finalized a questionnaire to survey the departments listed in the Directory to identify how the online database, DGRweb, could be improved. During the ACS National Meeting in spring 2012, CPT met with chairs from PhD-granting chemistry departments and discussed a range of issues including the guidelines revision and the proposed changes to the *DGR*. Details of the meeting are reported in the Spring 2012 CPT Newsletter.

Among other actions, CPT approved an updated supplement to the ACS Guidelines on chemical information skills. The committee also approved a statement on their international involvement in chemistry education and the current policy regarding ACS approval of chemistry departments that are physically located outside of the United States and its territories. The new supplement and the statement on international involvement are both available on the CPT web page at [www.acs.org/cpt](http://www.acs.org/cpt). The CPT members received an update on the new online periodic report submission and review system that will be tested with a pilot group of chemistry departments submitting reports in 2012.

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### I. Project SEED

Since 1968, the Project SEED program continues to support life-changing research experiences for high school students from economically disadvantaged families. This summer, more than 400 high school students were placed in more than 100 academic, governmental, and industrial laboratories to work under the supervision of research scientists on projects in chemistry and related sciences. Surveys of past participants indicate that Project SEED continues to serve its core constituents around the country. This outstanding program is only successful due to generous contributions from industry, academia, local sections, ACS friends and members, and the Project SEED Endowment. This year, the committee awarded 29 first year college scholarships and 3 Ciba Continuing Scholarships for the 2011-2012 academic year to Project SEED alumni.

The Committee on Project SEED will present its 10<sup>th</sup> award to the Outstanding 2011 Project SEED Program at the ChemLuminary Award event in Philadelphia. In addition, 2012 Project SEED students will present posters of their research at the SciMix event.

We continue to experience the low reserve funding for future programs due to slow economic recovery. Committee members continue to work on strategies to enhance awareness among potential donors to increase funding for the program and increase student participant numbers. The committee encourages all members to continue using the dues check-off option on their ACS membership renewal to support this remarkable program.

Sandra J. Bonetti, Chair

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J. Public Relations and Communications  
(joint with Board)

The Joint Board Council Committee on Public Relations and Communications (CPRC) continues to focus on the areas of local section public relations, Chemistry Ambassadors and most recently, use of social media to enhance member communications.

At the San Diego meeting, the committee co-sponsored President Bassam Shakhashiri's symposium on Communicating Chemistry to the Public, which featured book authors, science writers, and other communication professionals from academe and the news media. Among them was the 2012 Grady-Stack Award winner Paul Raeburn. The moderator was CPRC chair Cheryl Frech.

The committee continues to recruit Chemistry Ambassadors, particularly at national meetings. During the San Diego meeting, the committee, working with the ACS Office of Public Affairs, signed on 1,300 new Chemistry Ambassadors, bringing the total to 8,171. Some 70 of them participated in the Speaking Simply video training at the meeting, learning how to develop a short, compelling "elevator" speech about their work, or providing an entry for Alan Alda's recent Flame Challenge, which asked scientists to explain what a flame is, in language that would inform and intrigue an 11-year-old.

The committee also supported another Sparkle Workshop, held April 27-29, for 23 public relations chairs of local sections. This was the third offering of the updated workshop since it was re-introduced in 2010, helping attendees learn how to increase public awareness for the good works of their section and their members in local newspapers, on television and through social media. The class also includes training on how to be a more effective communicator - to speak simply and convincingly about chemistry to any audience. The total number of local section public relations chairs is now 107.

Cheryl B. Frech, Chair

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R. Don Wauchope

Staff Liaison: Nancy Blount

K. Publications  
(joint with Board)

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

The committee voted unanimously to elect Stephanie L. Brock as the JBCCP vice chair.

The monitoring reports for *Journal of Chemical Theory and Computation* and *ACS Chemical Biology* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made. The next publications to be monitored will be *Molecular Pharmaceutics*, *Chemistry of Materials*, *Journal of Chemical Information and Modeling*, *ACS Chemical Neuroscience*, *Biochemistry*, *Crystal Growth & Design*, and *Organic Letters*.

It was announced that the Editor Search Committee had recommended, and the ACS Board of Directors had approved the appointment of Professor Jonathan Sweedler (University of Illinois, Urbana-Champaign) to serve as the Editor of *Analytical Chemistry*.

The Division President presented an overview of the ACS Publications Division's operational highlights for the year, which included financial stability, new content and services, creative collaboration, transformative technology and community outreach.

The new web content and delivery platform for *C&EN Online* was fully implemented with the October 31, 2011, issue. Among the important new features of the system are the ability for readers to comment on all C&EN articles and streamlined delivery of the SCENE newsfeeds to journals. Work on C&EN Production Automation Program 2.0 has now begun. This effort will include migrating *C&EN Online* content from 2004 through 2009 to the web platform, an improved search function, and initiation of single article sales to enable Google discoverability.

The Conference of Editors of ACS Publications was held in January 2012. The agenda for that meeting and an overview of the proceedings was shared with the committee. Topics included updates on operational issues and technology innovations across all aspects of the Society's publishing activities. The theme for this meeting was "The Future of Scientific Communication" which featured several speakers from the publishing industry.

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### L. Technician Affairs

The Committee on Technician Affairs (CTA) works through ACS governance channels to advance the careers of analysts, operators, technicians, and other applied chemical professionals. CTA works toward three goals:

- Increase the awareness of the important contributions that chemistry-based technicians make to the national economy and to society as a whole.
- Make technicians relevant to ACS.
- Make ACS relevant to technicians.

CTA sponsored the National Chemical Technician Awards banquet on Sunday, March 25, 2012. The winner of this year's award was Kathy Collins, Senior Technician at the Chevron Phillips Chemical Company. Ms. Collins is the 24th recipient of this annual award, which is presented in recognition of outstanding technical and communication skills, safety, reliability, leadership, teamwork, publications, and presentations.

CTA is now accepting nominations for the 2013 National Chemical Technician Award. Nominations packets for 2013 nominees are due by September 30, 2012. For more information about the NCTA visit [www.acs.org/ncta](http://www.acs.org/ncta).

CTA served as an active co-sponsor with the Applied Chemical Technology (ACTS) Subdivision of the Industrial & Engineering Chemistry (I&EC) Division for the *Symposium in Honor of Mark Vineyard: Industrial and Engineering Applied Chemical Technology Fellow* at the Spring 2012 National Meeting.

CTA's Education Subcommittee continues to research and develop plans to produce a series of low cost on-line continuing education courses for applied-chemical-technology professionals. In addition, the subcommittee seeks to develop a clearinghouse of existing resources (courses, workshops, webinars, etc.) that would be of interest to technicians. The Recognition and Career Progression Subcommittee will oversee a ChemLuminary Award for a Technician-Related Event conducted by a Local Section or Division. The award will recognize an event that was held in 2013 and will be presented for the first time at the 2014 Fall National Meeting.

CTA will celebrate its 50<sup>th</sup> anniversary in 2014. A working group of the committee will begin planning recognition events to celebrate this important milestone.

Mary K. Moore, Chair

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Michelle Coffman  
S. Thomas Dealy

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M. Women Chemists  
(joint with Board)

In Philadelphia, the Women Chemists Committee (WCC) is excited to continue the celebration of our 85th anniversary. To highlight the numerous accomplishments the committee has achieved over the years, a symposium featuring past chairs of the WCC will be held on Monday, August 20. Each past chair will be highlighting a different aspect of the WCC mission—to be leaders in attracting, retaining, developing, promoting, and advocating for women in the chemical sciences to positively impact society and the profession.

In a recent comment in *Chemical & Engineering News*, ‘ACS Awards: A Call for Action’, data were highlighted which showed that between 2007 and 2012, only 13% of the nominees for ACS national awards were women and at least 12 awards had no female nominees. On a national level, the ACS is partnering with the Association for Women in Science (AWIS) in a National Science Foundation-funded program to develop best practices to increase the diversity of national award winners. The WCC is pleased to be part of this larger initiative; however, we also are interested in developing processes and programs on a grassroots level to increase the number of women nominees for national awards. To kick off this initiative, the WCC will host a working-group breakfast on Sunday, August 19 as a brainstorming session to gain input from different areas of the ACS and generate ideas for potential programs the WCC can focus on to address this issue.

In addition to the above events, on Monday, August 20, the WCC will host Deborah Smith, Social Media Consultant and Trainer, at the Women in the Chemical Enterprise Breakfast. She will provide a professional development program centered on developing winning strategies and tactics for all of the major social media platforms. At the WCC Luncheon on Tuesday, August 21, we will present the 12th Overcoming Challenges Award and recognize the recipients of the Fall 2012 WCC/Eli Lilly Travel Award during the WCC/Eli Lilly Poster Session and Reception, prior to the luncheon. The keynote speaker will be May Shana’a, Ph.D, Vice President of Global Skin Care R&D and Portfolio Management at Johnson & Johnson, who will discuss her interesting career path. On Tuesday afternoon, the WCC is pleased to be partnering with AWIS to continue the WCC Just Cocktails initiative with a round table discussion on the importance of financial planning for mid-career women chemists in these challenging economic times followed by a networking reception.

Judith Cohen, Chair

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Christine Chow  
Kelly George

Teri Quinn Gray  
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N. Younger Chemists  
(joint with Board)

The Younger Chemists Committee (YCC) met in San Diego, CA, on March 24-25, 2012. YCC continues to promote its vision to lead younger chemists into successful careers and active roles in ACS and the profession.

During the San Diego national meeting, the YCC hosted the members from the Iraqi Chemical Society, who were seeking to exchange conversations and deliberations, as they work towards rejuvenating their own professional society. Also, the YCC sent four participants representing the Younger Chemists Committee (YCC) to the 2012 International Conference for Young Chemists (ICYC) held on April 8-10, 2012 in Amman, Jordan. The conference was organized to celebrate the International Year of Chemistry, with the objective being to “encourage interest in chemistry among young people, and to generate enthusiasm for the creative future of chemistry.” ICYC hosted 139 participants from 28 countries, 63 oral presentations, and notables such as Oscar-winning film director Michael Wadleigh, and ACS Past-President Nancy Jackson.

YCC is always looking for new ways to get younger chemists involved in ACS. At the 244th ACS National Meeting in Philadelphia, PA, we will host our 8th Annual Fun Run on Monday, August 20th at 7:00 a.m.

We invite you to visit the YCC website (<http://ycc.sites.acs.org/>), which has been updated with new content and features, focusing on relevant award and career information. We have also extended our online presence to many social networks such as the ACS Network, Facebook, LinkedIn, and Twitter, to engage more young chemists. Join us!

Dorothy (Dotti) Miller, Chair

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Shanadeen Begay  
Jens Breffke  
Stephen Canham  
Christopher Ciolli

Dionne Dickson  
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