

**Reports from Committees meeting in New Orleans, Louisiana
March 16 - 21, 2018**

Society Committees

Budget and Finance

The Society Committee on Budget and Finance (B&F) met on Saturday, March 17, 2018, to review the Society's 2017 financial performance. The Society ended 2017 with a net contribution from operations of \$28.6 million, on revenues of \$553.2 million and expenses of \$524.6 million. This was \$2.5 million favorable to the 2017 Approved Budget. After including the results of the Member Insurance Program, the Society's overall net contribution for 2017 was \$24.5 million, which was \$1.7 million favorable to the Approved Budget. In addition, ACS ended the year in compliance with all of the five Board-established financial guidelines. The Society's overall financial position improved in 2017 with unrestricted net assets increasing from \$206.5 million at December 31, 2016, to \$284.4 million at December 31, 2017. The year-end balance includes the aforementioned \$28.6 million net from operations, investment gains of \$37.7 million, and a \$11.6 million partial reversal of previously recorded accounting charges for the Society's underfunded postretirement benefit.

In other actions, the committee elected Dr. William Greenlee as Vice Chair and voted to recommend to Council that dues for 2019 be set at the fully escalated rate of \$175.00, an increase of \$4.00 versus the 2018 dues rate. In addition, the committee received a report from the Subcommittee on Financial Impacts of Constitution & Bylaw Amendments on the financial impact of two bylaw petitions up for action and two bylaw petitions up for consideration by Council in New Orleans.

Joseph A. Heppert, Chair

Education

The Society Committee on Education (SOCED) celebrated a major milestone: the membership of the American Association of Chemistry Teachers reached 5000. Of these members, almost 90% are secondary school teachers, over 200 are international members from 50 countries, and nearly 300 are student members.

SOCED received a number of updates:

- ACS now has 49 international student chapters across 23 countries.
- Undergraduate student leaders, through a partnership with the Younger Chemists Committee, participated in a workshop on mentoring at the 2018 ACS Leadership Institute. The Graduate Education Advisory Board is guiding efforts with graduate students. A postcard listing behaviors for mentoring success and providing a quick guide for formal mentoring meetings with undergraduate students can be found at www.acs.org/grad.
- The expansion of the New Faculty Workshop series includes three workshops that are planned for 2018. May 1st is the deadline for the August workshop in Washington DC. Visit www.acs.org and search "New Faculty Workshop" for more details on these and the third workshop being planned for the fall.

SOCED held a special discussion on strategies for aligning informal science education with formal education. Now part of ACS Education, the Science Outreach Office works under the Committee on Community Activities (CCA) and collaborates with SOCED and the International Activities Committee on a portfolio of activities.

SOCED voted to approve the completed *ACS Guidelines and Recommendations for Teaching Middle and High School Chemistry*. (www.acs.org/mshsguidelines)

Jennifer Nielson, Chair

Council Elected Committee

Committee on Committees

During the meeting in New Orleans, the Committee on Committees (ConC) gave presentations on the committee appointment process to the Council-related committees. ConC members also provided information at the Councilor and Division Officers Caucuses about the Petition on the Composition of Society Committees and the Petition for Election of Committee Chairs that were up for action during Council. ConC was pleased to host Committee Chairs during an interactive session to improve collaboration and communication between committees.

ConC voted to endorse the Petition on the Composition of Society Committees and to oppose the Petition for Election of Committee Chairs. The ACS Council approved the Petition on the Composition of Society Committees and opposed the Petition for Election of Committee Chairs.

Based on their performance reviews, ConC recommended to Council and CPC concurred that the Committee on Ethics be continued and that, subject to concurrence by the Board of Directors, the Committees on Publications and Younger Chemists be continued. Council approved both these recommendations.

ConC also revised its vision statement to now read, “ACS is served by an effective and dynamic committee system.”

ConC has begun developing its recommendations for 2019 Committee Chair appointments for consideration by the President-Elect and the Chair of the Board of Directors. The online committee preference form opened on March 26 at <https://www.yellowbook.acs.org/>. It is especially important for committee associates, consultants, those finishing a term, those who will reach the statutory limit (final year) on their present committee, and those who are up for reelection as Councilor for a division or local section.

Carolyn Ribes, Chair

Council Standing Committees

Constitution and Bylaws

The ACS Governing Documents (Bulletin 5) were updated as of January 1, 2018. The online edition (www.acs.org/bulletin5) is the authoritative version.

The Committee on Constitution and Bylaws (C&B) certified 6 unit bylaws so far in 2018. We certified 21 bylaws in 2017, including 7 bylaws that we certified after the ACS meeting in Washington, DC. Most of these bylaws were amended using C&B’s model bylaws, while others were amended using the questions option; these are available at www.acs.org/bulletin5. Use whichever method you prefer.

Council passed the Petition on the Composition of Society Committees. The Petition for Election of Committee Chairs was defeated by Council. The two petitions that were up for consideration will be up for action in Boston: Petition on Affiliation with Other Technical Organizations and Petition to Remove Restrictions for International Chemical Sciences Chapters. Opponents may submit written opposition by April 20 for comments to be published in the Council agenda in the fall, or submit your comments within one week after this deadline to bylaws@acs.org.

New petitions to amend the Constitution and/or Bylaws must be received by the Executive Director by May 2, for consideration at the fall 2018 meeting.

Petitions, bylaws, guidelines, etc., are available at www.acs.org/bulletin5. Contact C&B at bylaws@acs.org if you have any questions.

V. Dean Adams, Chair

Divisional Activities

DAC presented to Council an updated formula for allocating dues funds to the divisions. The primary reason for updating the formula was to provide divisions with new financial incentives to increase their engagement with regional and international meetings. Seeking more detail on the impact to divisions, the Council voted to recommit the formula back to DAC.

The committee voted to fund eight Innovative Project Grants (IPG) totaling \$57,250. DAC will consider another set of IPG proposals next spring. The deadline for that round of submissions is July 1, 2018.

At the New Orleans meeting, DAC introduced a new event at which our divisions engaged with meeting attendees. DAC provided divisions with a poster board and a table at Sci-Mix so they can promote membership to the thousands of people who participated in that event, particularly younger chemists. We call it "Division Row." While pleased with the start of this new program (one division signed up in excess of 50 new members), DAC received commitments from staff to place Division Row in a more prominent area of Sci-Mix at the Boston National Meeting.

DAC and staff have been developing an online tool to help division program chairs identify and collaborate with one another. Staff will share details on this pilot program with division leadership in April. DAC hopes the tool will lead to greater programmatic cooperation and coordination.

The committee thanks divisions and the Multidisciplinary Program Planning Group in organizing and delivering a wide range of excellent programming in support of the New Orleans theme: "*Nexus of Food, Energy, and Water.*"

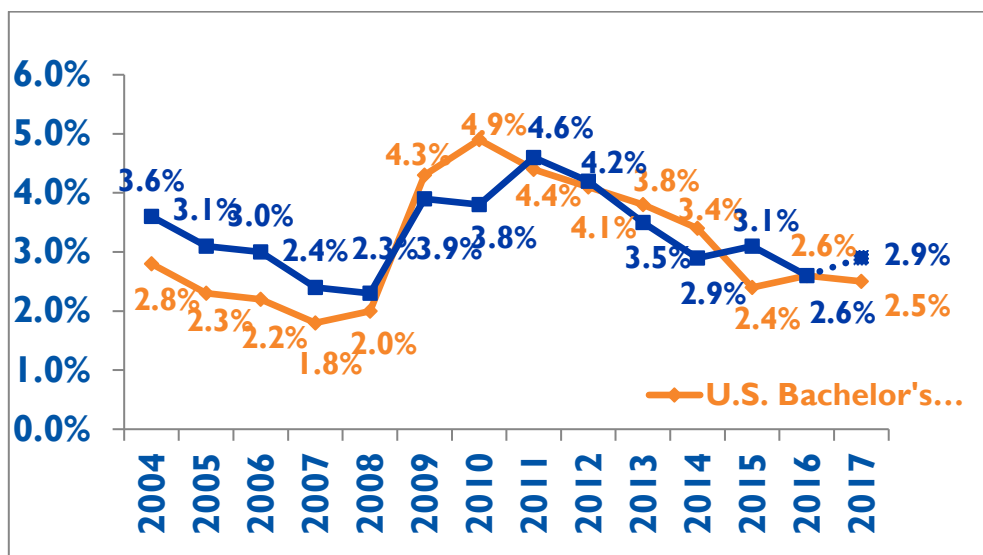
Rodney Bennett, Chair

Economic and Professional Affairs

The Committee on Economic and Professional Affairs (CEPA) continues to support members in their professional lives. CEPA's goals are to:

- Identify, support, deliver, and evaluate relevant programs.
- Improve, update, develop, curate, and disseminate relevant policies and codes of
- Recommend, develop, provide, and evaluate critical resources and services to support member careers.

CEPA has returned to reporting ACS member unemployment data following the implementation of the modernized, modular surveys. The current unemployment rate for ACS Chemists is 2.9%. The survey continues to show that academia is the largest work force segment in the ACS.



Adapted from ACS Comprehensive Salary and Employment Surveys 2004 to 2016; the 2017 Q3-Q4 ACS modular survey; and the Bureau of Labor Statistics Employment status of the civilian population 25 years and over by educational attainment (March of each year)

The New Orleans career fair had 455 career consulting sessions and 115 employer interviews

The ACS policy statement on Retirement Security has been approved ACS Board of Directors. The statement can be viewed online at:

<https://www.acs.org/content/acs/en/policy/publicpolicies/education/retirement.html>.

The CEPA cross-committee working group on immigration continues to investigate if an ACS policy statement on the topic of immigration and work-related visas could be recommended to the ACS Board of Directors. This working group reported progress in an ACS Comment entitled, “Working group looks at immigration’s impact on chemistry,” ([Chemical & Engineering News. 2018. 96, 2, 53](#)) and is requesting feedback from the broader society via the survey located <http://www.acs.org/policyinput>.

Layoffs continue to be a concern for ACS members. To appropriately respond to these job actions, CEPA has worked with ACS staff to provide information to Local Section leaders about ACS resources that may be available to them should a mass layoff occur in their section.

Tiffany Hoerter, Chair

Local Section Activities

The Committee on Local Section Activities (LSAC) recognized local sections celebrating significant anniversaries in 2018: 50th—Heart o’Texas, LaCrosse-Winona, Northeast Georgia; 75th—Carolina-Piedmont, Lake Superior, Sabine Neches; and 125th— the Chemical Society of Washington and the Lehigh Valley local section.

At the National Meeting, LSAC approved the funding of 19 new Innovative Program Grants (IPGs) totaling nearly \$44k. The deadline for the next round of IPGs is June 1st. LSAC will soon be requesting proposals for Science Café Mini-Grants, which will be due on May 31st and the Members Engaging Through Technology (METT) grants which will be due in October.

LSAC has begun the review of the 2017 Local Section Annual Reports and noted that 146 local sections have completed their reports. LSAC will follow-up with those local sections that have not yet submitted their Councilor- approved annual reports in an effort to expedite their submission. LSAC expects to complete its review of annual reports by June 1st.

A revision to the Legal Resources Guide for Local Sections and Divisions is now available on acs.org/getinvolved. The manual now in its second edition is intended to guide ACS officers in managing the legal risks of operating their local sections or divisions.

LSAC voted to endorse the Petition on Affiliation with Other Technical Organizations. LSAC also voted to endorse the Petition to Rename and Remove Restrictions for International Science Chapters.

Jason Ritchie, Chair

Meetings and Expositions

More than 13,236 scientific contributions were made to the 255th National Meeting in New Orleans, Louisiana. The total attendance was 16,726 (unaudited), a record for New Orleans. The Exposition had 370 booths with 231 exhibiting companies, including the career fair.

As part of M&E’s sustainability plan, a limited number of printed program books were available for sale. 1,050 program books were sold. The mobile app was downloaded 12,708 times, the highest download rate since its inception. The online planner was accessed 32,168 times.

In compliance with the National Meeting Long Range Financial Plan, and the recommendation of the 2015 Task Force on Implementing National Meeting Financial Targets, M&E recommended that the Early Member Registration Fee for the 2019 national meetings be set at \$505.

In New Orleans, the Exposition Subcommittee executed on key strategic initiatives identified from the Washington, DC meeting. They were a redesigned exhibit floor, restyled expo theaters, one dedicated pavilion for Career Fair, and additional networking lounges throughout the floor.

The Regional Meetings Subcommittee hosted their Regional Meeting Planning Conference during the January 2018 Leadership Conference, which provided in-depth training for regional program chairs, and allowed for their participation in the Leadership Conference. These meetings will be held concurrently moving forward.

M&E held its first strategic planning meeting in New Orleans, which included participation by members of the Divisional Activities and Younger Chemists Committees. Vision and mission statements, and goals and strategies were crafted for national and regional meetings. Some of these will be utilized as the committee works towards the fall of 2021 in Atlanta with the experiment of eliminating Thursday programming, as announced in council at the fall 2017 National Meeting in Washington, DC.

Kevin J. Edgar, Chair

Membership Affairs

ACS ended 2017 with over 150,000 members. While ACS remains the world's largest scientific society, this number represents a continuing decline in membership for the sixth year in a row.

Since membership peaked in 2011, the Society has lost over 13,000 members—averaging a decline of around 1.3% year-over-year. The primary loss of members is from the regular paid membership category, the largest segment of ACS members, which has declined for 15 of the last 17 years. Membership in all other categories, such as emeritus, student, and the like, have remained relatively flat throughout the same period.

Recognizing the need to focus efforts, MAC has been working closely with Council, the Board of Directors, the Committee on Budget and Finance, ACS staff, and other stakeholders to develop five separate workstreams that will halt these declines and return ACS to a growing and engaged membership. These workstreams are:

- 1) ensuring that ACS offerings are relevant and valuable for members;
- 2) targeting initiatives on specific, important membership segments;
- 3) removing friction from ACS membership processes and systems;
- 4) communicating individually with our members and potential members; and
- 5) considering new means of membership.

Activities within these workstreams encompass projects that act on many fronts, extending well beyond the dues discount tests already approved by MAC.

In order to address these same membership challenges and ensure alignment with the changing state, needs, and values of Society members, MAC voted to reorganize its subcommittee structure. The Categories, Dues, and Process subcommittee is focused on ensuring that members are paying appropriate dues and that the process to join and renew membership is frictionless. The Research and Communications subcommittee is tasked with understanding the trends in membership and ensuring effective communication with our members. The Benefits and Engagement subcommittee is charged with assessing the package of benefits that will create value and engagement opportunities for individual Society members.

Maggie Schooler, Chair

Board Standing Committees

Corporation Associates

The Board Committee on Corporation Associates (CA) met on Monday, April 19, 2018 in New Orleans. The committee acknowledged that the 2018 ACS strategic plan has been approved by the ACS Board and safety has been added as one of the core values. Within CA, a Safety Forum has been established. Neal Langerman was appointed by the Chair to lead the Safety Forum.

The committee recognized the approval of CA Future State Design by the ACS Board in December 2017 and welcomed John Adams, Chair of ACS Board and other ACS Board members to join the meeting to discuss any questions or concerns that CA representatives may have about CA Future State Design.

ACS Board Chair John Adams outlined the points he feels form the consensus of the Board's expectations of CA. He encouraged CA to develop a CA Future State aligned with those expectations, but refrained from specifying "how" the committee should proceed. The Future State Design developed last fall could provide a helpful frame, but John stated that if CA could improve on that design to meet Board expectations, then they should do so. Following that discussion, the committee agreed to hold a strategic retreat by June 30, 2018 to further refine its Future State Design.

The committee approved \$16,400 for 18 Local Section Grants and International Chapter Awards and \$2,000 for one seed grant.

After the meeting CA held a luncheon with a guest speaker, Dr. Robert Kania, winner of 2018 ACS award for Creative Invention. Guests from Committee on Technician Affairs joined the luncheon.

Diane Grob Schmidt, Chair

Professional and Member Relations

During the chair's remarks, she reported that Lynne Greenblatt is now the chair of the Fellows Oversight Committee, and that starting in 2018, oral reports related to the activities addressed by the former Web Strategy and Innovations Subcommittee will be heard twice annually, with the same approach to be used for oral reports from the International Activities Committee.

Prior to the report on the National Awards Working Group, the committee was given a short briefing on the detailed schedule regarding the Awards Banquet in New Orleans on March 20, as well as the status of award endowments. There was a concern expressed about the long-term viability of the Kathryn C. Hach Award for Entrepreneurial Success; an annual cash prize of \$20,000 accounts for its approximate \$30,000 in annual expenses. Nonetheless, at present, there are no long-term concerns about the financial viability of the endowment.

The National Awards Working Group met on February 14, and with respect to the national award grouping test, surveys were developed to help understand the impact of the test on those serving on the selection committees. Details are expected in June or July, 2018. Finally, it was reported that the working group plans to share with the committee the responsibilities and type of expertise needed, followed by a slate of proposed members for the nascent ACS National Awards Advisory Board.

Kate Fryer, Executive Vice President, Membership & Society Services, and Steve Meyers, Director, ACS Membership, reported on two major topics: (1) 2017 year-end membership numbers, (2) Moving forward with membership in 2018 and beyond.

ACS closed 2017 with 150,862 total members. This reflects a decline of 3.4% over year-end 2016. Most membership categories and segments were relatively unchanged during 2017, including graduate students, international members, undergraduates, emeritus, etc. Most of the year-over-year decline in the total membership number was attributable to the regular paid member category that decreased to 76,636 members (3.6% decrease).

Looking forward, it was noted that the major challenge with maintaining membership growth relates to value. Specifically, members must be confident that they are getting sufficient value from the dues they pay, and the time and effort they invest. Value is defined by individuals in many different ways, only some of which are financial. To turn membership around in a long-term way, this problem needs to be approached from multiple directions--which have been grouped in to five different work streams for ease of discussion and reporting.

1. Enhancing the programs, products, and services available to members
2. Targeting specific segments of our membership
3. Improving our processes to make it easier for members to transact and engage with us
4. Tailoring our communications to make them more relevant and effective
5. Exploring new models of membership

To create sustainable changes, transformation and enhancements are being made on each of the five work streams on three simultaneous time horizons: 2018-19 (horizon 1), 2019-21 (horizon 2), and 2022+ (horizon 3). Examples of the work in each of the work streams were discussed, particularly those slated for horizon 1.

Some additional time was spent specifically on work stream 5: New models of membership. The general principles guiding the development of a potential new model were discussed, which included exploring new models that:

- Prioritize membership growth over dues revenues
- Respond to change in how chemical science professionals want to join / engage
- Lower / remove barriers to entry
- Ensure membership reflects the chemical enterprise
- Support / enhance work of components (local sections, divisions, ICSC, student chapters, etc.)
- Allow for more tailored benefits

As discussions move forward about a new model, the committee noted that P&MR and the Committee on Membership Affairs (MAC) need to be closely connected and aligned. To that end, it was recommended that the chairs of P&MR and MAC meet with Kate Fryer and Steve Meyers in New Orleans to begin this process.

Staff from the ACS Diversity Programs updated the committee on 2018 plans developed by ACS and the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCChE). Their mission is to ‘create a sense of community between NOBCCChE and ACS that advances the progress of African Americans in the chemical sciences.’

The plans include collaborations in a number of areas: Diversity and Inclusion Advisory Board activities, the ACS National Awards program, the ACS Meetings Department, the ACS Education Division, and through joint programming with the Committee on Minority Affairs at the ACS 2018 Boston National Meeting.

Dorothy J. Phillips, Chair

Public Affairs and Public Relations

The Board Standing Committee on Public Affairs and Public Relations (PA&PR) met virtually on March 9, 2018. The Chair highlighted several issues of interest, including ACS Press statements on the enacted federal FY18 & 19 budget deal and release of the FY 19 President’s budget request; a letter from President Peter Dorhout to U.S. Department of Homeland Security Secretary Kirstjen Nielsen on behalf of Park University chemistry professor Syed Ahmed Jamal; and a letter from Congressman Daniel Lipinski to ACS Executive Director Tom Connelly thanking ACS for its leadership in helping to protect graduate students from an onerous tax provision that would have taxed tuition waivers.

ACS Policy Statement Gap Analysis – The Chair led a discussion around five questions on which committee members provided input regarding possible policy coverage gaps in current ACS public policy statements. No significant gaps were found in current ACS public policy statements.

ACS Public Policy Statement Prioritization - The Chair introduced the annual exercise to prioritize individual ACS public policy statements and thanked committee members for submitting their input via a survey instrument. ACS staff presented the background for the prioritization process and explained how the Committee's input helps set the ACS advocacy agenda. Based on survey input received from both PA&PR members and staff as well as review of the results, policy statements were put into four tiers. After discussion, the committee **VOTED** to approve the advocacy prioritization for 2018.

Global Outreach Update - The committee received an update from staff on Chemistry Enterprise Partnerships that represent a new form of international engagements with sister scientific societies built around the 2030 U.N. Sustainable Development goals. Staff also provided updates on efforts to pilot global member training to advocate on behalf of chemistry with a focus on the 2030 U.N. goals, ACS preparation for the 2019 International Year of the Periodic Table; two human rights cases ACS is pursuing; and lastly an ACS/U.S. State Department chlorine training presentation being delivered to the Executive Council of the Organization for the Prohibition of Chemical Weapons in The Hague on March 14, 2018.

External Affairs & Communications Activities at the New Orleans National Meeting - EAC staff provided the committee with an overview of their activities at the New Orleans National Meeting, including staff support for eight governance committee meetings, operation of the ACS Press Center and conduct of press conferences, several training workshops, including one on advocacy, and hosting an International Activities Welcoming Reception. Committee members were encouraged by the Chair to try to find time to stop by and observe some of these activities.

Laura Pence, Chair

Joint Board- Council and Council Other Committees

Chemical Abstracts Service

The CCAS Committee met in Executive Session on March 16, 2018 and heard an update on the latest CAS products and services. SciFinderⁿ was highlighted as customer feedback continues to be very positive. SciFinderⁿ Release 2, available later this year, will contain new capabilities including retrosynthesis powered by ChemPlanner. Committee members were pleased to learn that CAS has a new business model, allowing organizations to have unrestricted access to the value possible from a relationship with CAS. Members were encouraged to stop by the CAS booth to see demos of SciFinderⁿ.

A presentation and discussion followed regarding the ACS committee appointment process. The ACS Strategic Plan was also reviewed, noting the four goals and how they might relate to CCAS.

The committee continues to make progress towards identifying goals following the Strategic Planning Retreat (SPR) that was held last spring. As CCAS is a joint Board-Council committee, CCAS Chair Wendy Cornell reported that she met with the ACS Board of Directors in December to provide an update on the SPR, inviting input and feedback. During the spring committee meeting, working groups reported on progress, and discussed ways to explore how CCAS can represent ACS membership on opportunities related to the chemical information access, education, application, needs, etc. Follow-up discussions will be scheduled before the fall national meeting to build on the momentum to date.

Wendy Cornell, Chair

Chemical Safety

In February 2018 Peter Dorhout, the ACS President sponsored the first ACS Safety Summit to identify current ACS chemical safety efforts and develop a strategy for strengthening these efforts through better

communication. Leadership of Committee on Chemical Safety (CCS) and Division on Chemical Health and Safety (CHAS) partnered with key ACS staff to develop an agenda for this meeting built around the ACS Strategic Plan.

The Summit drew over 25 participants, both ACS members and external partners, such as Dow Chemical, the National Institutes of Health, the Chemical Safety Board, and the Association of Public and Land-grant Universities. The participants agreed that the ACS is well-positioned to be THE global leader in addressing issues of chemical safety for ACS's four key audiences – members, educators, policy makers and opinion leaders, and the public.

The participants identified four key strategies aligned with the ACS strategic goals. These include development of safety information resources; empowerment and leadership of ACS members around safety issues; support for educational excellence in chemical safety; and leading the communication of the importance of chemical safety. The CCS leadership is committed to working with CHAS and ACS staff to develop action plans to implement these goals. At the New Orleans meeting, the CCS discussed how to organize these goals into its work plan. We are very interested in your thoughts on how to best do this. Please contact the committee at safety@acs.org for more information or to add your wisdom to our efforts!

Ralph Stuart, Chair

Chemistry & Public Affairs

The Committee on Chemistry and Public Affairs (CCPA) provides ACS with advice and recommendations for action on public policy matters that impact the chemical sciences and technology.

At the CCPA meeting in New Orleans LA, National Science Board (NSB) Member Geraldine Richmond provided an overview of the trends in domestic and international science and technology recently reported in the 2018 edition of NSB's biennial Science and Engineering Indicators.

In 2018, CCPA members are leading or participating in writing teams updating the ACS policy statements on U.S. innovation and entrepreneurship, energy policy, and the science and technology of Hydraulic Fracturing. Preliminary CCPA member feedback was solicited in New Orleans to help guide the writing team members. Final consideration of the policy statements will be on the CCPA agenda in Boston.

CCPA members were briefed on a member advocacy training workshop organized by ACS President Alison Campbell in Washington DC. ACS President-Elect Bonnie Charpentier shared her plans for member engagement and solicited CCPA input.

ACS Congressional Fellow William Hartwig reported on his fellowship experience working with U.S. Representative Dianne DeGette (D-CO). CCPA selects and ACS supports two Congressional Fellows to work on Capitol Hill for a year and one Science Policy Fellow to work in the ACS External Affairs & Communications. More information can be found on the ACS website at www.acs.org/policyfellow.

Ray E. Forslund, Chair

Chemists with Disabilities

The Chemists with Disabilities Committee (CWD) promotes chemistry educational and professional opportunities for persons with disabilities. CWD leverages its resources for impact beyond the community of chemists with disabilities, for the betterment of ACS and society as a whole.

1. CWD sponsors a student travel award that will continue in 2018. The purpose of the ACS-CWD Travel Award is to encourage the participation of undergraduate/graduate students and post-docs with disabilities who will present a talk or poster at the ACS National Meeting.
2. CWD promotes the capabilities of persons with disabilities with its famous scientists with disabilities posters. These posters are displayed throughout various venues at ACS national meetings. CWD also created posters suitable for classroom use. By displaying these posters in schools, we encourage youngsters, with and without disabilities, to overcome life's hurdles and to achieve their full potential.
3. Partnering with non-ACS entities permits CWD to further leverage our resources. The American Institute of Chemical Engineers (AIChE) and CWD continue their collaboration in 2018 to assist in duplicating the Chemists with Disabilities Committee within their organization.
4. In an effort to make our committee materials as inclusive as possible, our members have converted our CWD Committee Member Handbook into an audiobook. This audiobook was dictated by one of our members and will be available to all of our committee members as well as on our committee website.
5. CWD is working on integrating technologies to develop a universally accessible remote conferencing capability to permit CWD members with visual, hearing, and motor-skills disabilities to participate in conference calls between national meetings.

By supporting the community of persons with disabilities, CWD will continue to make life better for us all.

James Schiller, Chair

Community Activities

Thirty-three volunteers from the Committee on Community Activities (CCA), Local Sections, and Student Chapters welcomed 80 participants to the ACS Presidential Outreach Event held at Lyons Recreation Center from 10:00 a.m. – 1:00 p.m. on Saturday, March 17. Professor Molenium made his usual celebrity appearance, and ACS President Peter Dorhout presented a Salutes to Excellence award to the New Orleans Recreation Development Commission in appreciation for hosting this event. 97% of surveyed participants said they chemistry is “interesting” or “very interesting,” 100% said they learned something new or interesting at the event, and 83% plan to share what they learned with other people.

Hands-on activities at the Presidential Outreach Event were based around the 15th anniversary theme of Chemists Celebrate Earth Day, as it expands to Chemists Celebrate Earth Week (CCEW), with the theme “Dive into Marine Chemistry.” In addition to hands-on activities, volunteers talked to children and their families about our National Meeting and Exposition theme “Nexus of Food, Energy, & Water.”

CCA also hosted a workshop for undergraduate students to prepare them to volunteer at local CCEW events. This workshop was held on Monday, March 19 from 4:00 – 5:15 p.m. for approximately 70 participants. Each participant left with a print copy of *Celebrating Chemistry* and other materials to drive interest in their CCEW events.

The latest edition of CCA's children's publication, *Celebrating Chemistry*, and all resources for CCEW Coordinators are now available. CCEW 2018 will be officially observed from April 22 – 28, 2018.

During the CCA Executive Session, themes for upcoming National Chemistry Week (NCW) and Chemists Celebrate Earth Week (CCEW) campaigns were approved. CCA also discussed the proposed 2017 CCA Strategic Plan. The committee voted to approve and adopt the goals and strategies described therein, and thanks facilitators Larry Krannich and Carol Duane for their help and guidance in developing future strategic directions for the committee.

CCA welcomes participation of any ACS Member on NCW and CCEW Theme Teams for 2019 and beyond. Please contact outreach@acs.org for more information.

Michael McGinnis, Chair

Environmental Improvement

At its meetings in New Orleans, the Committee on Environmental Improvement continued to work on a wide range of projects to advance green and sustainable chemistry.

Upon learning that the Committee on Professional Training had adopted the CEI-developed *Supplement on Green Chemistry in the Curriculum* to the ACS Guidelines for Bachelor's Degree Programs, CEI identified next steps. Upcoming activities will include an online communication strategy and programming to bring the supplement to the attention of institutions interested in exploring the inclusion of green chemistry in their curricula.

At its open meeting the Committee featured the new General Accountability Office report *Chemical Innovation: Technologies to Make Processes and Products More Sustainable* (GAO-18-307).

The Committee also continued work on the organization of a workshop titled *Charting the Course to Sustainable Chemistry in the Supply Chain* that will be presented at the 22nd Annual Green Chemistry & Engineering Conference (GC&E), hosted by the ACS Green Chemistry Institute®, which will be held in Portland, Oregon from June 18-20, 2018.

GC&E provides an opportunity for a diverse network of academic, industrial, and government stakeholders to network and learn about the newest ideas in sustainable approaches to chemistry, chemicals and processes, and products. This year's conference is highlighting the theme "Product innovation using greener chemistries."

CEI is also developing draft public policy statements as well as related materials. The statements include CEI-developed updates to the expiring ACS statements on water and inherently safer technologies and working with others to update Society policies on energy and on hydraulic fracturing. CEI also is working on fact sheets on synthetic biology for chemists.

Tony Noce, Chair

Ethics

The ACS Committee on Ethics (ETHX) met on Sunday, March 19, 2018, in New Orleans, LA. Thanks to Skype and teleconferencing technologies, all but one of members were able to participate!

We began with a round-robin on the subject of the most important ethical issues facing chemists today. ETHX is currently constructing a survey on this subject to be given to the ACS membership. We plan to use the results to determine the direction of future projects.

ETHX has been busy in the areas of ethics awareness and education. We cosponsored a symposium with PROF and SCHB on March 20, 2018, entitled "Ethics in Industry Collaborations that Work," and we will cosponsor a session in Boston with CINF: "Ethics of Data Sharing." We encourage technical divisions sponsoring symposia on any area of ethics to let us know; we would be happy to cosponsor or publicize such programs. The short monograph, *The Importance of Ethical Conduct in Scientific Research*, will be posted on the ETHX Web site, and the results of a SciMix poster gathering ethical issues of interest to Society members are under review for publication in the *Journal of Chemical Education*.

ETHX voted not to award a 2018 ChemLuminary Award for Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry but will revise the self-nomination form for 2019 and actively publicize the award.

At future national meetings, ETHX plans to experiment with holding a morning subcommittee work session, during which actual progress can be made on projects, and an afternoon meeting of the entire committee. We are investigating shared virtual work spaces for the two subcommittees and reporting mechanisms that can help us streamline in-person and telephone meetings of the entire committee.

The ETHX meeting closed with a case study discussion on ethical issues for symposium organizers.

Judith N. Currano, Chair

International Activities

At its meeting in New Orleans on Saturday, March 17, 2018 the Committee on International Activities (IAC) welcomed dignitaries from our sister societies and partners from Canada, Germany, Hungary, Nigeria, the UK, as well as leadership of the US National Committee of the International Union of Pure and Applied Chemistry (IUPAC), and the Federation of African Societies of Chemistry.

IAC heard invited remarks from the Director General of the Organisation for the Prohibition of Chemical Weapons who in 2013 received the Nobel Peace Prize on behalf of the organization.

The committee heard a final report on the ACS Asian Pacific International Chapters Conference, held November 2017 in Jeju, South Korea. It is increasingly evident that there are enhanced capacities of our ACS International Chemical Sciences Chapters to organize and deliver regional meetings with global impact.

The IUPAC US National Committee shared their planning interests and priorities for the 100th Anniversary of IUPAC and celebration of the International Year of the Periodic Table in 2019.

In recognition of the remarkable growth in ACS International Student Chapters - currently at 50 - the committee created a working group to assure their efforts are nurtured and co-aligned with the interests of ACS International Chapters and the national chemical societies in their respective countries.

The committee reviewed an application from Colombia to establish an ACS Chapter there and recommended it move forward for Council consideration and action in Boston.

Finally, IAC sought and received ACS Council approval for the establishment of ACS Chapters in Jordan and Qatar.

Jens Breffke, Chair

Minority Affairs

The Committee on Minority Affairs and the Diversity & Inclusion Advisory Board (DIAB) are working to develop a module on diversity and inclusion for the ACS Leadership Development System with interactive workshops on a wide variety of diversity topics. The course objectives are to create an awareness and appreciation for the richness and value of diversity within governance and the Society.

In response to continued discussions of how ACS should respond to social instances such as what occurred in Charlottesville and workplace sexual discrimination, CMA discussed working with other ACS committees

and business units to convene a task force at the Fall National Meeting in Boston that will wrap in several of our current policy statements to incorporate several topics including underrepresented minorities, sexual harassment, disability and non-discrimination statements to highlight ACS's core values of diversity and inclusion.

The ACS Scholars Program, continues to thrive and grow. CMA heard an analysis of the program's progress during 2017 showing that the program has been highly successful in supporting students from under-represented groups to graduate from college in the chemical sciences; Over 400 ACS scholars were awarded nearly \$1.2 million for the 2017-2018 academic year with 160 scholars in 2017 cohort (150 in 2016). The Scholars Program increased representation of American Indian students in the program to 15 in 2017 (9%).

CMA partnered with several committees and technical divisions on four major symposia. Columbia professor and one of C&EN's Talented 12, Luis Campos gave a well-received presentation at the CMA luncheon of his personal journey and success in science.

Ann Kimble-Hill, Chair

Nomenclature, Terminology and Symbols

The ACS Committee on Nomenclature, Terminology, and Symbols met in open session on Monday, March 19, 2018 in New Orleans, LA.

In New Orleans, NTS' newly developed strategic plan was presented to the full committee. Members were engaged around the vision: 'Enabling a common language of chemistry' and mission: 'Educate, facilitate, and advocate for the use of chemical representations that support universal understanding of chemistry.' Members expressed interest in strategies to execute goals around educating practitioners, facilitating dialogue around NTS issues, and advocating a common language of chemistry. Project teams will be engaged in the coming months to begin executing action plans for strategies to achieve goals.

An NTS project team has continued working with representatives of the Braille Authority of North America (BANA) on the update and redesign of chemistry Braille code. Preliminary evaluation of inorganic chemistry symbols in basic college level chemistry textbooks was completed. Resources were identified for review and evaluation of organic chemistry symbols.

The committee discussed four petitions to amend/change the SOCIETY Bylaws. A small group from the committee presented a well-received poster in the Division of Chemical Education on NTS and IUPAC interactions including leveraging educational materials.

Michael D Mosher, Chair

Project SEED

Since its inception 50 years ago, ACS Project SEED has provided hands-on research experiences to more than 10,500 economically disadvantaged high school students in chemically-related research in academic, government, and industrial laboratories. At the New Orleans National Meeting, the 50th Anniversary Task Force reported on the plans for the Presidential Celebration to be held at the Fall ACS National Meeting in Boston.

The Selection Subcommittee reviewed 450 research projects from 39 states, the District of Columbia, and Puerto Rico. The committee approved 427 projects with 27 pending for clarification on student chemistry activities. The estimated projected costs for this summer is \$1,328,500 for over 500 students. The committee

created a task force with the purpose of preparing mentoring webinars to assist coordinators/mentors to complete applications, recruit students and mentors, and seek matching funds.

The Scholarship Subcommittee received 45 complete applications for review and 28 scholarships will be awarded for the 2018-2019 academic year.

The committee discussed a plan to update the strategic plan and requested a strategic planning retreat for 2019. The committee reviewed feedback from the Budget & Finance Committee and the Board of Directors on the Program Funding Request proposal submitted last fall. A survey of participants from the current and past four years is in process to support the revised request.

The committee encourages ACS members to support the 50 Forward campaign to help lead Project SEED forward for the next 50 years. Please continue supporting Project SEED through the check-off on your ACS membership renewal form.

Don Warner, Chair

Publications

The committee elected Jerzy Klosin as vice chair, who will serve in that capacity from March 16, 2018 to December 31, 2018.

The progress report for ACS *Omega* and the journal monitoring reports for ACS *Medicinal Chemistry Letters*, *Energy & Fuels*, *Journal of Chemical Information and Modeling*, and *Industrial & Engineering Chemistry Research* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made to the ACS Board of Directors. *Chemical Reviews*, *ACS Chemical Biology*, *Langmuir*, *Nano Letters*, *Journal of Agricultural and Food Chemistry*, *Journal of Chemical Theory and Computation*, *Organic Process Research & Development*, and *Crystal Growth & Design* will be monitored next.

Division management reported on the ACS Conference of Editors that was held in January 2018, chaired by Professor William Tolman, Editor-in-Chief of *Inorganic Chemistry*. The agenda for that meeting and overview of the proceedings were shared with the committee. Topics included bias in peer review, improving manuscript transfer, engaging authors, and various ongoing developments across all aspects of the Society's publishing operations. The theme for the meeting was "Most Trusted" which sought to focus attendees on capitalizing one of the most important tenets of ACS Publications.

The Committee will hold a half-day meeting on Saturday, August 18, 2018 to undertake strategic planning for the Joint Board-Council Committee on Publications. A task force to organize the strategic planning retreat will be formed.

The Division President presented an overview of the ACS Publications Division's operational highlights for the year and new innovation initiatives.

Nicole S. Sampson, Chair

Public Relations and Communications

The Committee on Public Relations and Communications (CPRC) sponsored two workshops during the ACS National Meeting in New Orleans.

1. Social Media 101. This workshop provided participants with information from experts about how to use various social media platforms and allowed for discussion with these experts.

2. How Can Chemistry Earn Public Trust? This workshop was a joint effort with ACS, the Royal Society of Chemistry and the German Chemical Society. The half-day workshop gave attendees insight into how to communicate effectively across cultures to build and earn the public's trust.

CPRC also met on March 19, 2018, during the meeting. At this meeting, the committee heard reports on outreach efforts that included ChemAttitudes, Chemistry Week: Superhero Hackathon, STEM Journey V, and the Tennessee STEAM Festival. The committee discussed the directions of its four subcommittees, defining clear missions for them. Time was provided for the subcommittees – Awards Subcommittee, Chemistry Ambassadors Subcommittee, Local Section Subcommittee, and Communications Technology Subcommittee – to meet and continue their efforts in areas such as local section and division PR makeovers, and selecting various award winners; and to begin new effort to expand outreach efforts to international chapters. The committee also heard from its Committee on Committees Liaison about the committee nomination process.

Jennifer L. Maclachlan, Chair

Science

The Committee on Science (ComSci) held a strategic planning retreat at ACS headquarters in Washington, DC in February and devoted substantial time on its agenda in New Orleans to a discussion of its new strategic plan. ComSci's new mission is, "To identify new frontiers of chemistry, examine the scientific basis of and formulate public policies related to chemical sciences, and recognize outstanding chemical scientists." ComSci is collaborating with other committees to review expiring policy statements on energy and hydraulic fracturing, and held a roundtable in New Orleans that engaged experts in hydraulic fracturing to inform a recommendation on the revision or renewal of the ACS policy statement. The Committee voted to approve a new statement on Preventing the Reemergence of Chemical Weapons. Working with colleagues at the Defense Advanced Research Projects Agency (DARPA), ComSci is organizing a symposium at the fall National Meeting in Boston on the "DARPA Make-It Program: Automating Small Molecule Route Design, Optimization and Synthesis," along with a roundtable on emerging issues in pharma. On behalf of ACS, ComSci is preparing nominations for the U.S. National Medal of Science and the Grand Prix Prize for 2018, and the Board of Directors has approved the nomination for the King Faisal International Prize in Science.

Mark Cesa, Chair

Senior Chemists

The Senior Chemists Committee (SCC) met on March 19 during the ACS National Meeting in New Orleans, LA. Highlights of the meeting included a special presentation of the new Senior Chemists Webpage on ACS.org that will be launched in May, the March 2018 issue of *The Newsletter for Senior Chemists*, the SCC Booth at the ACS Exposition in New Orleans, the announcement of this year's SCC Mini-Grant Program to support local section events for senior chemists; and the Senior Chemists Group on the ACS Network now with 249 members. SCC also discussed plans for senior chemists' events to be held at 2018 regional meetings and plans for the Boston meeting, which included a networking event for younger chemists and students; a symposium focused on Polymer Chemistry in collaboration with the History of Chemistry and Polymer Chemistry Divisions; and a strategic planning retreat to review SCC's progress. Shortly after the meeting, SCC and the Small Chemical Businesses Division hosted a symposium titled "Senior Chemists Career Stories" that was well-received by many of the younger chemists in attendance.

On March 20, Dr. Calvin Mackie, CEO of ChannelZero and Executive Director of STEM NOLA, presented a very engaging talk on rethinking STEM outreach for children in the inner-city communities, ways to get in

involved, and how to solicit corporate support. His talk received a standing ovation and many asked to have his presentation and program information shared after the national meeting.

Thomas R. Beattie, Chair

Technician Affairs

The Committee on Technician Affairs (CTA) met on Sunday, March 18, 2018 in New Orleans. It formed a taskforce that will seek to better understand and define the titles and educational profiles of those the committee is meant to serve.

In early 2018, the committee's Professional Development Subcommittee launched a new award, the ACS Leadership Development System Course Award, which enabled two local technicians to attend a course in New Orleans. The subcommittee also discussed its November 2017 webinar, "Exploring Non-Ph.D. Careers in Industrial Chemistry and the Essential Benefits of ACS Membership."

During the New Orleans meeting, CTA honored the 29th recipient of the National Chemical Technician Award at a luncheon. For more information about the award, please visit www.acs.org/cta.

CTA cosponsored two Presidential events in New Orleans: "Water, Water Everywhere, But Not a Drop to Drink" and "Science Cafes & Engaging the Public."

For the third year, Corporation Associates invited CTA members to attend its spring luncheon, providing an opportunity for the two groups to network during the national meeting.

Earlier this year, CTA partnered with the Younger Chemists' Committee to provide travel awards to two younger chemical technicians to enable them to attend the ACS Leadership Institute in January 2018.

CTA would like to encourage all local sections and divisions to plan technician-related events this year so that they may apply for the committee's ChemLuminary Award. Interested local sections and divisions may nominate themselves for the award via their annual reports.

Aime'e Tomlinson, Chair

Women Chemists Committee

The Women Chemists Committee (WCC), completed a strategic planning retreat in 2017, and has now adopted a new vision statement, updated mission statement and updated goals.

The vision of WCC is, "Empowering women throughout the chemical enterprise."

The mission of the WCC is to, "Attract, retain, develop, promote, and advocate for women to positively impact diversity, equity, and inclusion in the Society and the profession."

The goals of the WCC are to:

- Increase engagement and retention of women
- Advocate and educate within the Society on issues of importance to women
- Enhance leadership and career development opportunities for women
- Highlight contributions(of women)

WCC also implemented a project portfolio model, with each project manager focusing on strategies surrounding each of the specific WCC goals.

WCC was very pleased to partner with Chemical & Engineering News (C&EN), to raise awareness about the problem of sexual harassment in the chemical sciences.

- In the September 18th, 2017 issue of C&E News, an article by Linda Wang and Andrea Widener featured extensive research on the topic: <https://cen.acs.org/articles/95/i37/Confronting-sexual-harassment-chemistry.html>
- In February 2018, ACS hosted a Webinar, “Sexual Harassment in the Sciences: Steps Forward” featuring anthropologist, Kate Clancy. The recording can be found here: <https://www.acs.org/content/acs/en/acs-webinars/popular-chemistry/harassment.html>
- At the ACS national meeting there was a full day symposium featuring sexual harassment survivors and social science experts: <https://cen.acs.org/articles/96/web/2018/03/Symposium-features-powerful-stories-sexual-harassment.html>

WCC will be continuing to advocate on awareness and prevention of sexual harassment in addition to our advocacy for non-tenure track faculty members and for increasing the nominations of women for national technical awards.

Kim Woznack, Chair

Younger Chemists Committee

The Younger Chemists Committee (YCC) began their New Orleans meeting with presentations from numerous ACS leaders who shared details on the ACS governance structure, the Committee appointment process, and how younger chemists can make an impact in the Society. These powerful and motivational presentations empowered us to be better leaders at all levels – Local, Regional, and National.

The YCC participated in a Strategic Planning Retreat in February, where we redefined our Mission and Vision to better reflect the dynamic nature of our field:

Vision: Younger leaders transforming the world through chemistry.

Mission: Advocate for, develop, and support rising chemists to positively impact their careers, the ACS, and the future of chemistry.

The committee unanimously approved our Strategic Plan focusing on three main areas: **Advocacy** (internal and external to ACS), **Career Support** (for diverse career paths), and building **Communities** of younger chemists across the world.

In New Orleans, the YCC offered a dynamic program which included our traditional Fun Run, sponsored by the ACS Member Insurance Program, “Molecules that Changed the World”, and a special symposium on New Orleans culture entitled “Tales of Chemistry & Cocktails” culminating with a lively cocktail reception, generously supported by C&EN and Proctor & Gamble.

Finally, the committee is pleased to support ACS advocacy efforts with five younger chemists participating in the Legislative Summit on the Hill in April. This builds off of the training provided by Immediate Past-President Allison Campbell’s “ACS Chemistry on the Hill Advocacy Workshop” held during the Fall 2017 meeting in DC.

Natalie LaFranzo, Chair

June 2018 Board and Committee Meetings Baltimore, Maryland

Professional and Member Relations

During the chair's remarks, she reported that the CA Chair, Diane Grob Schmidt, had shared three documents for P&MR consideration: *One document focuses on potential ACS participation in World Intellectual Property Day, a second document centers on a new Industry Award to recognize industry inventors, and the final document addresses a staff proposal that examines the feasibility of separating the Heroes of Chemistry event from the ACS fall national meeting and making it a stand-alone event.* The committee may elect to discuss one or more of these documents at its next meeting August.

The committee was updated on recent developments related to the nascent National Awards Advisory Board (NAAB). The chair of the NAAB briefed the committee on the mission of the group, its duties and responsibilities, the draft rules and regulations for the advisory board, as well as some criteria for the NAAB chair and the advisory board members. It was noted that the ACS Board Chair has authority to name the NAAB chair and members.

It was reported that there are four ACS National Awards currently in need of full or partial funding from ACS:

- ACS Award for Creative Advances in Environmental Science and Technology
- ACS Award in Inorganic Chemistry
- Frederic Stanley Kipping Award in Silicon Chemistry
- Irving Langmuir Award in Chemical Physics

The committee **VOTED** to recommend to the ACS Board of Directors

- that the ACS Award for Creative Advances in Environmental Science and Technology be financially supported by the ACS for the 2020 presentation unless a cosponsor is found to support this award.
- that the ACS Award in Inorganic Chemistry be financially supported by the ACS for the 2020 presentation unless a sponsor is found to support this award.
- that the Frederic Stanley Kipping Award in Silicon Chemistry be financially supported by the ACS for the 2020 presentation unless a sponsor is found to support this award.
- that the Irving Langmuir Award in Chemical Physics be financially supported by the ACS for the 2020 presentation unless a sponsor is found to support this award.

The Committee discussed the Henry H. Storch Award in Fuel Chemistry. From 1985 to 1995, the award was a national award. It returned to the Fuel Division in 1996 because Exxon could not continue the funding. In 2012, it was funded by the Energy and Fuel Division (ENFL). ENFL is now asking that the formerly named Henry H. Storch Award in Fuel Chemistry be reestablished as a National Award -- the Henry H. Storch Award in Energy Chemistry.

P&MR **VOTED** to recommend to the ACS Board of Directors that the Henry H. Storch Award in Energy Chemistry be re-established as a National Award for presentation beginning in 2020.

The Chair of the Diversity and Inclusion Advisory Board (D&I), briefed P&MR on several matters. Three D&I goals were cited:

1. To compile and disseminate information on best practices for promoting diversity and inclusion within ACS to the Board,
2. To educate ourselves about current knowledge and theories of promoting diversity and inclusion,
3. And to provide educational opportunities for ACS members who are interested in promoting diversity and inclusion.

The D&I chair also shared some information on the 2019 composition of the advisory board, as well as plans for developing a new module -- "Promoting Diversity and Inclusion" that D&I hopes can be ready for the 2019 Leadership Advisory Board. Some thoughts were shared on the need for another one-half day Diversity Workshop for the Board, perhaps in late 2018 or early 2019 (as a follow-up to the September 2016 Board workshop). An update on 2018 collaborations with the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers was also provided.

Staff updated the committee on collaborations with other sister societies such as the American Indian Science and Engineering Society (AISES) and the Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS). The collaborations centered on increasing awareness of the Society's efforts to be inclusive, new efforts in the area of professional development, and expanding our community engagement.

P&MR was also briefed on several important member-facing applications including new approaches for gathering and processing Local Section and Division grants, insights into a three-year plan to upgrade the application used to submit Local Section and Division annual reports, and an improved approach to alerting members to ACS volunteer opportunities.

The committee received a briefing from Kate Fryer, Executive Vice President, Membership & Society Services, and Steve Meyers, Director, ACS Membership featuring an overview of the 2018 strategy to grow and engage the Society's membership.

Finally, the committee was provided with an update on the International Activities Committee (IAC). Apart from citing the arrival of a new IAC Chair – Jens Breffke –some key IAC activities from the New Orleans National Meeting, plans for celebrating the 2019 International Year of the Periodic Table, and new developments related to Chemistry Enterprise Partnerships.

Dorothy J. Phillips, Chair

Public Affairs and Communications

The Board Standing Committee on Public Affairs and Public Relations (PA&PR) met on June 1, 2018 in Baltimore, Maryland. The Chair opened the meeting by welcoming members, reviewed the agenda, and highlighted two items:

- **Outreach to ACS Policy Committees** – the Chair informed the committee of her outreach to key ACS policy making committees to update them on the outcome of the committee's policy prioritization process conducted in March and how their sponsored policy statements were ranked in the four tiers. As a result of the outreach, policy making committees have a better appreciation for their role in the policy making process, how they connect to sister policy making committees and how their policies link to one another.
- **ACS Comments on Proposed Federal Rules** – the Chair gave background on ACS providing comments on two proposed federal rules, the U.S. Environmental Protection Agency's Proposal on Data Transparency and the U.S. State Department's Proposal to Increase Immigrant and Non-Immigrant Visa Information Requirements.

The Chair concluded the opening remarks by highlighting several standard items behind Tab 1 of the agenda book.

STEM Challenges in an Evolving Environment – the Chair welcomed three officials from the Thomas Jefferson High School for Science and Technology who joined the meeting via conference call. The three officials were Dr. Anne Bonitatibus, Principal; Dr. Mark Hannum, Director, Science and Technology Division and Dr. Brian Kennedy chemistry teacher, ACS member and the 2018 ACS James Bryant Conant Award recipient.

The Chair outlined several questions for the three educators who responded by sharing their experiences and views of adapting to the changing and evolving STEM education landscape, challenges and opportunities for the STEM education field including identification and placement of qualified teachers. The Chair asked the educators how ACS might be of assistance to them, and several suggestions were offered, ranging from externships in laboratories to increased access to chemical information resources as well as reduced membership rates. At the conclusion of the discussion, the Chair thanked the educators for taking the time to join the Committee and for their commitment to promoting high quality STEM education.

Preventing the Re-emergence of Chemical Weapons Policy Statement – The committee discussed a draft policy statement on Preventing the Re-emergence of Chemical Weapons drafted by a working group appointed by the committee with assistance from the Committee on Science and Corporation Associates.

After discussion, *the committee VOTED to adopt the statement “Preventing the Re-emergence of Chemical Weapons” as an ACS public policy position of the Society for a period of three years.*

The Chair discharged the working group with thanks for their valuable work in the area of chemical weapons and for helping guide ACS involvement with the Organization for the Prohibition of Chemical Weapons over the use of chlorine in Syria.

Exploring Potential for an ACS Statement on Immigration - The Chair introduced Dr. Susan Butts, who is leading an ACS writing team appointed by the Committee on Economic and Professional Affairs (CEPA) to explore development of an ACS workforce immigration statement. Dr. Butts shared with the committee data the writing team has been gathering from ACS members and other organizations on their views on the immigration topic. The committee discussed the information and data provided and agreed that adoption of an appropriately structured policy statement consistent with the needs of the chemistry enterprise would be critical for ACS to become involved on issues associated with immigration and in keeping with the objects of the ACS national charter of incorporation.

The committee VOTED to encourage the writing team to draft a statement that could be acted upon by the Committee in 2019.

Old/New Business – Under Old Business, the Chair sought input from the committee regarding the 2018 ACS Legislative Summit that took place in April. Committee members offered helpful suggestions for the conduct of the 2019 Summit, including urging that it be held earlier in the year to have a greater impact on the federal budget and appropriations processes.

Also under Old Business, committee member Lee Latimer asked for staff to research whether his efforts to encourage local sections and divisions to help nominate National Historic Chemical Landmarks (NHCL) as well as promote existing landmarks within their geographic or topical jurisdictions had yielded any tangible results.

Laura Pence, Chair

Reports from Committees meeting in Boston, Massachusetts August 16-22, 2018

Society Committees

Budget and Finance

The Society Committee on Budget and Finance (B&F) met on August 18, 2018, to review the Society’s probable financial results for 2018. ACS is projected to end the year with a net contribution from operations of \$31.8 million, or \$1.3 million favorable to the Approved Budget. The Society is also projected to end the year in compliance with the Board-established financial guidelines.

The B&F Subcommittee on Financial Impacts of Constitution and Bylaw Amendments reported on its evaluation of three petitions. The *Petition on Affiliation with Other Technical Organizations* and the *Petition to Remove Restrictions for International Chemical Sciences Chapters* were up for action at the Council meeting on August 22, 2018. The committee reaffirmed its assessment that the petitions will have no impact on the finances of the Society. The *Petition to Streamline the ACS Governing Documents* was up for consideration by Council in Boston. The committee reviewed the financial impact assessment and approved a preliminary finding that the petition will have no impact on the finances of the Society. The committee also

received a report from the B&F Subcommittee on Program Funding Requests describing the Subcommittee's evaluation of a 2019 program funding reauthorization request for the *ACS Festival Series*.

The committee received a report from the Organizing Committee of the 2020 International Chemical Congress of Pacific Basin Societies regarding its operating budget and distribution of any excess net contribution to ACS technical divisions.

Finally, the committee received a report from the Chair of the Committee on Committees (ConC) with an update on ConC's efforts to strengthen communication, networking and collaboration across ACS committees.

Joseph A. Heppert, Chair

Education

The Society Committee on Education (SOCED) presented four ChemLuminary awards to local sections for their 2017 activities:

- Fostering Interactions between Local Sections and Student Chapters: Kentucky Lake Local Section
- Outstanding U.S. National Chemistry Olympiad: Georgia Local Section
- Outstanding High School Student Program: Midland Local Section
- Outstanding Kids & Chemistry Award: Greater Houston Local Section

Leveraging an ACS partnership with the Museum of Science in Boston on the NSF-supported ChemAttitudes project, SOCED voted to co-sponsor with the Committee on Local Section Activities and the Committee on Community Activities a joint ChemAttitudes ChemLuminary Award for 2018 and 2019 activities.

Graduate education was the special discussion topic for SOCED during its executive session and its open meeting. The discussions focused on recommendations made to professional societies in the recent report, "Graduate STEM Education for the 21st Century: A Consensus Study Report of the National Academies of Science, Engineering and Medicine." Strategies for supporting graduate students, faculty, and programs were identified. A task force consisting of SOCED members and other stakeholders will be established to identify competencies for graduate students in the chemical sciences in both Master's and PhD programs through extensive consultation with community. Coupled with the prior work of the ACS Presidential Commission on Graduate Education in the Chemical Sciences, there is opportunity to consider how ACS can play an even greater role in advancing 21st century graduate education in STEM, broadly, and in the chemical sciences, specifically.

SOCED received updates on science education policy initiatives, including recent reauthorization of the Career and Technical Education Act. The committee will be considering revisions to the ACS Science Education Policy Statement, which expires in 2019.

Jennifer Nielson, Chair

Council Elected Committee

Committee on Committees

During its meeting in Boston, the Committee on Committees (ConC) discussed the petitions up for action and for consideration by Council. ConC voted to endorse the Petition on Affiliation with Other Technical Organizations and voted to take no position on the Petition to Remove Restrictions for International Chemical Sciences Chapters. ConC also voted that more time would be required to review the Petition to Streamline the ACS Governing Documents before taking a position.

In an effort to meet its strategic goal of enhancing communication, networking, and collaboration among committees, ConC gave presentations on how committees can work together on strengthening their interactions and communications. ConC would like to see which topics are engaging multiple committees to help facilitate partnerships. ConC's position is that understanding the goals, strategies, and focus areas of each committee is a good basis for improving these collaborations.

In 2019, ConC will conduct another committee demographic survey of the 29 Council-related committees. The purpose of this survey is to broaden ACS member awareness and provide an update of our committee demographics based on the survey conducted in 2016.

ConC is developing its recommendations for 2019 Committee Chair, Member, Associate, and Consultant appointments for consideration by the President-Elect and/or the Chair of the Board.

ConC will hold its annual New Chairs Training Session in Atlanta, GA, from January 25-27, 2019, as part of the ACS Leadership Institute.

Based its performance review, ConC recommended to Council and CPC concurred that the Committee on Chemical Safety, subject to concurrence by the Board of Directors, be continued. Council approved this recommendation.

Finally, on behalf of the Council, ConC recognized 49 Councilors who will have served the statutory limit or otherwise completed their service on ACS governance committees at the end of 2018; 13 Committee Chairs who will have served the statutory limit on the committee they chair; and 38 Councilors serving 15, 20, 25, 30, 35, and 45 years as a Councilor.

Carolyn Ribes, Chair

Council Policy Committee

The Council Policy Committee (CPC) The Long Range Planning Subcommittee hosted a Strategy Café for Councilors at the Boston meeting. The focus of the session was to connect Councilors and share thoughts on three change drivers that affect the strategic direction of the Society: conferences and events reimagined, globalization of chemistry, and chemistry's changing workforce. More than 40 attended.

The CPC working group on Future Council Representation also met in Boston. The group discussed setting deadlines for future deliverables, the importance of including various representatives to inform discussions, and the possibility of meeting face to face in 2019 outside of the national meeting timeframe.

The Board-CPC Task Force on Governance Design is reviewing its final report. It is hoped that both the Board and CPC will accept the report and work to implement the recommendations. The first phase of the recommendations, the streamlining of the governing documents effort, is moving ahead with the petition for action in spring 2019.

The Councilor Divisor, which sets representation on Council by Local Sections and Divisions for 2020-2023, must be established by May 1, 2019. A task force will be set up to begin work on this early next year.

Mary K. Carroll, Vice-Chair

Nominations and Elections

The Committee on Nominations and Elections (N&E) received positive feedback from those who attended the Director-at-Large Town Hall Meeting on Sunday, August 19. For all Town Hall Meetings, suggestions for improvement or questions can be submitted to nomelect@acs.org.

Distribution of ballots for the 2018 fall national election will take place October 1-3, with a voting deadline

four weeks later, on October 31. All candidates will be notified of the election results on November 2. The election will take place via the internet with the option to request a paper ballot. Those members who do not have an email address on file will be sent a paper ballot with the option to vote electronically. Two email reminders will be sent during the voting period to those who have not voted as of the reminder dates.

The candidates who will appear on the ballot for the 2018 national election for President-Elect, 2019, are Luis A. Echegoyen and Thomas R. Gilbert.

For Directors-at-Large (2019-2021), the candidates are Frank D. Blum, Lee H. Latimer, Ingrid Montes, and Angela W. Peters.

For District I Director (2019-2021), the candidates are Katherine L. Lee and Laura E. Pence.

For District V Director (2019-2021), the candidates are John E. Adams and Joseph A. Heppert.

In its executive session, the committee developed slates of potential nominees for President-Elect 2020, the Directors of Districts II and IV for 2020-2022, and a slate of potential candidates for Directors-at-Large for 2020-2022. The pertinent biographical information for candidates will appear in the Council agenda for the ACS National Meeting in Orlando next March, and posted on acs.org/elections.

N&E is always interested in receiving names of qualified members to serve in nationally elected offices. Please submit your suggested names to nomelect@acs.org.

Les McQuire, Chair

Council Standing Committees

Constitution and Bylaws

Council passed the two petitions that were up for action: Petition on Affiliation with Other Technical Organizations and Petition to Remove Restrictions for International Chemical Sciences Chapters. These petitions will be up for confirmation by the Board of Directors in December.

The Petition to Streamline the ACS Governing Documents was up for consideration by Council will be up for action in Orlando. Opponents may submit written opposition by September 21 for comments to be published in the Council agenda in the spring, or you may submit comments within two weeks after this deadline to bylaws@acs.org.

New petitions to amend the Constitution and/or Bylaws must be received by the Executive Director by December 12, for consideration at the spring 2019 meeting in Orlando.

The Committee on Constitution and Bylaws (C&B) certified 10 unit bylaws so far in 2018; of these, four were certified since the spring meeting in New Orleans. C&B proactively contacted seven Divisions and 58 Local Sections to notify them that their bylaws are out of date and not consistent with the ACS Governing Documents.

The ACS Governing Documents (Bulletin 5), which was updated as of July 1, 2018, petitions, current bylaws, options to update your bylaws, guidelines, etc., are available at www.acs.org/bulletin5. Contact C&B at bylaws@acs.org if you have any questions or comments.

V. Dean Adams, Chair

Divisional Activities

At the Council meeting in New Orleans, the Committee on Divisional Activities (DAC) proposed a formula for allocating dues funds to divisions. That proposal was returned to DAC for further consideration. At this

meeting, the committee agreed to maintain the current formula as it collects data regarding division participation at ACS regional and international meetings.

DAC wants to enhance collaboration among divisions, and attract new science topics and audiences to the national meeting. It is developing a concept - Convergence Research Communities - to achieve these goals. DAC will share more details on this initiative with divisions before year-end.

On Monday night, DAC repeated "Division Row", which was designed to help our divisions engage with the younger chemists who predominate at Sci-Mix. While 16 divisions participated, DAC strongly encourages *all* divisions to participate in Division Row, as it provides unmatched access to the young chemists who represent their future membership.

The committee voted to fund eleven Innovative Project Grants (IPG) totaling \$73,000. DAC will consider another set of IPG proposals next spring. The deadline for that round of submissions is February 1, 2019.

DAC is interested in increasing the percentage of new ACS members who join at least one division. In recent years, that number has been hovering around 35%. I am pleased to report that as of July 31, that number is trending closer to 42%.

The committee thanks the divisions and the Multidisciplinary Program Planning Group in organizing and delivering a wide range of excellent programming in support of the Boston theme: "*Nanoscience, Nanotechnology, and Beyond.*"

Finally, DAC congratulates the following divisions for winning 2018 ChemLuminary Awards: The Divisions of Small Chemical Businesses, Professional Relations, and Polymer Chemistry.

Rodney Bennett, Chair

Economic and Professional Affairs

The Committee on Economic and Professional Affairs (*CEPA*) evaluates and implements the portfolio of career related programs, products and services to ensure balance and alignment with members' needs.

A strategy meeting was held for ACS Career Consultants to discuss goals and strategy for 2019 and beyond. There is a large focus on the recruitment of new consultants around the globe, as well as increased partnership with local sections to provide resources to members locally. The criteria and application to become a career consultant can be found online at: <https://www.acs.org/content/acs/en/careers/career-services/ccp/guidelines-for-becoming-a-career-consultant.html>

In the ongoing effort to expand events offered by ACS Career Services, CEPA is pleased to announce the pilot of a multi-city career fair tour bringing workshops, speakers and local employers face to face with ACS members in their geographical area. The findings of this pilot will be shared in 2019. The ACS onsite career fair at national meetings continues to modernize with the addition of new products and services.

CEPA shared preliminary collected data on member salaries for employment segments and gender. Salaries in industry, academia and government have been flat over the past three years and when adjusted for inflation appears to have declined slightly. CEPA will continue to monitor this trend with the intent to highlight salary trends that impact ACS members.

Tiffany Hoerter, Chair

Local Section Activities

The Committee on Local Section Activities (LSAC) presented Outstanding Performance Awards to the following local sections: Kentucky Lake, Savannah River, Midland, Indiana, San Diego and New York. LSAC also presented ChemLuminary awards to Midland, Indiana Toledo and New York in recognition of successful events and activities.

LSAC is concluding its review of the 2017 local section annual reports. LSAC reviewer evaluations are available and can be accessed by section officers via the Forms Online Report Management System (FORMS). Local section officers are encouraged to read their annual report reviews and contact their LSAC reviewer if they have any questions.

The 2018 Local Section Annual Report forms will be available beginning November 1, 2018. The deadline for submitting annual reports is February 15, 2019.

LSAC's Grants and Awards Subcommittee received 20 proposals for the June 1st deadline for Innovative Program Grants (IPGs). Seventeen grants will be awarded for a total of \$42,350 -- bringing the total awarded for IPGs in 2018 to \$86,320.

The call for Members Engaging Through Technology (METT) grant applications will be issued after Labor Day with a mid-October deadline for applications. METT grants are intended to assist local sections in harnessing technology to engage members and fulfill local section goals and activities

The Technology Resources Guide will be published on the ACS Network in September. This guide provides practical and detailed information for best practices on electronic elections, event marketing, social media and overall communication strategies for ACS component groups.

LSAC is reviewing procedures for the Local Section Dues Pool allocation and will present a recommendation to Council at the Spring meeting.

Jason Ritchie, Chair

Meetings and Expositions

More than 10,543 scientific contributions were made to the 256th National Meeting in Boston, Massachusetts. The total attendance was 14,235 (unaudited). The Exposition had 442 booths with 301 exhibiting companies, including the career fair.

As part of M&E's sustainability plan, a limited number of print program books were available for sale. Prior to the meeting, 869 program books were sold. The mobile app was downloaded more than 11,000 times and the online planner was accessed over 25,000 times. Due to the continued decline of print program book sales, M&E voted to eliminate the print version of the National Meeting program book for future meetings. The committee and ACS staff will investigate alternative less expensive self-printable options.

Building on the success of the improvements made to the expo show floor in New Orleans, the Exposition and Industry Subcommittee and ACS staff made additional enhancements in Boston. Improvements for Boston include an expanded Career Fair and the addition of a social media engagement area to the recharge lounge. Because of these continued improvements, the show was 99% sold, with 441 booths and 301 exhibiting companies, including the career fair.

Nearly 1,100 attendees participated in four regional meetings this spring in the Northeast, Middle Atlantic, Central and Northwest regions. Five additional regional meetings will take place this fall, two of which will include one-day meetings. The Regional Meeting subcommittee and ACS staff will continue to create and implement resources to support the local section volunteers, who create the regional meetings. To help focus these efforts, a Regional Meeting Roundtable took place in Boston on Tuesday, August 21. Finally, the

Regional Meeting Planning Conference will once again take place in conjunction with the Leadership Institute; held January 2019 in Atlanta.

Finally, M&E Voted unanimously to support the petition to streamline the ACS governing documents.

Kevin J. Edgar, Chair

Membership Affairs

As of August 21, 2018, ACS had 149,584 members which is a decline of only 0.8% from the over 150,000 members we had in 2017. This year-to-date figure represents an increase of over 1,200 members when compared to the average of the last few years.

The success of many current membership initiatives, two of which are highlighted below, will put ACS in a strong position for its year-end member total. We are cautiously optimistic that the Society will see total membership growth for the first time since 2011.

First, to remove friction from the join and registration process, non-member attendees of the Boston meeting were offered the ability to purchase both their membership and registration using the same form at the same time. This improved process produced 1,969 new members and the number of non-member attendees was reduced to approximately 11% from the traditional 15-20%.

Secondly, ACS members attending the meeting were invited to stop by the membership lounge, renew their membership, and receive 20% off of their national dues as part of a renewal drive test. By offering renewals onsite we save significant time and resources, removing the need to mail, email, and call members to remind them that their membership is expiring. Freeing this resource also allows a shift in focus to target at-risk members for renewal, thus improving our overall retention rate.

In Boston, 729 renewals were processed, which is a 2,200% increase over the 30 renewals traditionally handled at a national meeting.

Maggie Schooler, Chair

Board Standing Committees

Corporation Associates

The Committee on Corporation Associates [CA] met on August 20, 2018 in Boston.

The Chair presented a summary of action items from the CA Future State retreat held in June, the recommendation to the ACS Board and the status. The Board Liaison reported the approval by the Board of the CA Future State Operating Model from CA's June Retreat.

The committee discussed developing a portfolio of forums, including the process and funding. A draft application for the creation of forums was reviewed, and an initial Industrial Safety Forum has been proposed for 2019.

To help determine the CA value proposition, a survey will be sent to understand the demographics of the CA membership and the value CA has to the member companies.

The committee discussed the Heroes of Chemistry Feasibility Report and recommended that the event not be held separate from the National Meeting, stating it would place a financial burden on travel budgets of companies and would not be supportive of increasing industrial attendance at national meetings.

The committee approved \$9850 for 13 local section/international chapter grant proposals and \$10,200 for four (4) seed grant proposal. Those approved for the grants were:

Local Section/International Grants:

- Chicago
- Colorado
- ACS Iraq International Chapter
- Greater Houston
- Kanawha Valley
- LaCrosse-Winona
- Northeastern
- Princeton
- Portland
- Taiwan
- University of Michigan
- Chemical Society of Washington
- Wisconsin

Seed Grants:

- ACS Iraq International Chapter
- North Carolina Local Section
- Midland Local Section
- St. Joseph Valley Local Section

The committee approved two Public Policy drafts - the energy policy and hydraulic fracturing policy drafts and approved advancing these to the Board Committee on Professional Affairs and Public Relations.

A progress report was provided by the ACS Working Group on Immigration and Work Visas in the U.S. chaired by Susan Butts.

Diane Grob Schmidt, Chair

Professional and Member Relations

The chair updated the committee on the status of a request from the Committee on Corporation Associates (CA) Chair, Diane Grob Schmidt, regarding establishing a new ACS award that Diane is calling the ACS ICON Award. Tom Connelly reported that the Board Executive Committee recently discussed the related matter of whether to separate the Heroes of Chemistry event from the national meeting. He explained that while the Executive Committee continues to discuss that matter, he added that there is potential for combining something like the ACS ICON Awards with Heroes of Chemistry. In the coming months, a recommendation will be presented to the Board.

The ACS Diversity and Inclusion Advisory Board (D&IAB) chair updated the committee on several issues. It was reported that progress is being made on completing a proposal for a diversity-related module D&I hopes will be delivered at the ACS Leadership Institute. The chair added that the proposal will be sent to the Leadership Advisory Board prior to the Boston National Meeting. The Board Chair noted that if funds are being requested for this module, D&I should work with staff to submit the appropriate information during the upcoming budget cycle. The committee was also updated on plans for a follow-up ACS Board Diversity Workshop. The Board and D&IAB will work together on the development of workshop in the first half of 2019.

The P&MR Awards Working Group Chair, provided an update on establishing the National Awards Advisory Board (NAAB). He noted that it would report to P&MR, that the ACS Board Chair will appoint the NAAB Chair, and that ACS Board Chair and the P&MR Chair will jointly appoint the NAAB members. Plans call for invitations to serve on NAAB to be distributed in August/September, with the inaugural NAAB meeting (virtual) to be held in September. The Working Group Chair also reported on the ongoing pilot involving grouping of ACS national awards. All award winners emerging from this grouping will be announced in *C&EN* in August/September, and the results from surveying pilot participants will be presented to the committee in December.

Staff recently received sponsor agreements for five ACS national awards, and presented data regarding 2019 national award nomination activity, and award winners.

The committee discussed a request to establish a new ACS national award: the *M. Frederick Hawthorne Award in Main Group Chemistry*. Ultimately, P&MR **VOTED** to commit the motion to create an M. Frederick Hawthorne Award in Main Group Chemistry to a group appointed by the Chair of the Committee on Professional & Member Relations (P&MR) with instructions that the group work with stakeholders to further develop the request and report to P&MR.

A short update on the ACS Fellows program was provided stating that the Fellows Oversight Committee would be meeting in Boston to discuss the feasibility of a rubric for the ACS Fellows Selection Process, incorporating the International Chemical Sciences Chapter Nomination, and to review service criteria.

A report was then delivered on recent efforts by the Membership and Society Services (M&SS) division to reverse the ACS membership decline. As of July 31 in recent years, we have recorded membership declines of 1.6%, but as of July 31 this year, we marked a decline of 0.9%. This leads the division to be cautiously optimistic regarding noteworthy progress on year-end numbers. M&SS will be developing and executing on the member engagement model over the next few years. In August, a significant project was initiated with executive coordination and five work stream teams to develop and execute all necessary milestones in service of this objective.

Dorothy J. Phillips, Chair

Public Affairs and Public Relations

The Board Standing Committee on Public Affairs and Public Relations (PA&PR) conducted a virtual meeting on August 9. The Chair welcomed members, reviewed the agenda, and highlighted several items:

- **Tony Noce Joins ACS** – as Assistant Director, Member Programs, Membership & Society Services division effective August 13, 2018 and relinquishing his role as Chair, Committee on Environmental Improvement.
- **Recent Legislative Success** – reauthorization and enactment of the Carl D. Perkins Career and Technical Education Act; Senate passage of the DOE Research and innovation Act and Senate introduction of the Sustainable Chemistry Research & Development Act.
- **Nomination of Dr. Kelvin Droegemeier** – to be the Director, Office of Science & Technology Policy. ACS is leading the effort to secure science community support for the nomination in a letter to the Senate Committee on Commerce, Science and Transportation.
- **Update on Proposed Federal Rules** – EPA extended its comment period to 90 days (deadline 8/16/18) and held a public hearing (7/17/18) on its proposed Data Transparency Rule. ACS and other science organizations requested these changes as well as seeking assurance that public health data can be used in rulemaking while preserving its confidentiality. The State Department comment period on its Proposal to Increase Immigrant and Non-Immigrant Visa Information Requirements closed on 5/29/18. ACS sent in its own comments as well as joined a science community letter with over 50 other organizations. ACS submitted comments to NIST in response to a Request For Information on how a greater return on investment might be realized from the annual \$150 billion federal R&D investment.
- **National Historic Chemical Landmark** – designation ceremony for Plutonium-238 to be held on November 1, 2018 at the Savannah River Heritage Museum in Aiken, SC. A symposium will be held earlier in the day at SERMACS.

Member Advocacy Engagement Update – the Committee received an update from ACS staff on ACS member advocacy activity and outcomes/results, face-to-face advocacy training recently conducted as well as upcoming training at the Boston national meeting; a widely attended July 12, 2018 Advocacy Training Webinar hosted by ACS past president Allison Campbell and PAPR Chair Laura Pence and a University of

California at San Diego advocacy training workshop, arranged by Committee member Barbara Sawrey, conducted by ACS staff for chemistry faculty as well as those from physics, biology and mathematics.

Overview of ACS External Affairs & Communications Activities – ACS staff provided an overview of the support External Affairs & Communications will be providing to various governance committees, symposia and programming at the August national meeting in Boston, MA, in addition to operating the ACS Press Center. At the Chair's request a comprehensive list of all activities, times and locations will be sent to Committee members with activities highlighted of particular value to Committee members.

Human Rights & International Engagement Update: - The Committee received an update from ACS staff on several matters, including the July 11, 2018 Central Nervous System Disruptors workshop arranged by ACS and the U.S. State Department at the 88th Session of the OPCW Executive Council; a June 7, 2018 webinar on "Refugees As Displaced Scientists" arranged for by ACS EAC staff; the human rights case of Professor Ismail Kul under house arrest in Turkey; an upcoming book: Responsible Conduct in Chemistry Research and Practice: Global Perspectives featuring chapters on the history of ACS involvement in science and human rights, the OPCW, and the AAAS Science and Human Rights Coalition, and the July 12 – 13, 2018 AAAS Science and Human Rights Coalition Meeting that was focused on Higher Education and Human Rights.

2019 International Year of the Periodic Table – ACS staff presented a comprehensive overview of IYPT; description of the creation of a special ACS enterprise-wide staff team and its IYPT activities; ACS interaction and collaboration with the International Union of Pure and Applied Chemistry (IUPAC); the creation and launch of a special ACS IYPT website and an overview of major IYPT ACS activities for 2018-2019. The Committee offered additional suggestions for consideration to celebrate IYPT and engage with other organizations globally.

Topical Discussion – Plastics in the Ocean - the Chair welcomed Dr. Kara Lavender Law as a special guest to the PAPR meeting. Dr. Law is a Research Professor at the Sea Education Association, Woods Hole, MA and a recognized expert in the study of plastic waste in the world's oceans. Dr. Law presented a comprehensive presentation outlining the scope of the ocean plastics problem and the impact it is having on the environment and marine life. After thanking Dr. Law for her presentation, the Chair engaged Committee members in discussion on whether ACS might consider a policy statement to address this issue. The Committee suggested the Chair raise this topic informally with the Chair, Committee on Environmental Improvement for their assessment as to the need and viability of a policy statement.

Laura Pence, Chair

Joint Board- Council and Council Other Committees

Chemical Safety

ACS believes that safety should be integrated throughout the entire chemistry enterprise therefore the Committee on Chemical Safety (CCS) has worked diligently to forge a number of important partnerships. Specifically, CCS has collaborated with Division on Chemical Health and safety (CHAS) and the ACS Office of Safety Programs to improve existing offerings and create new ACS resources. During its Boston meeting, the CCS Safe Practices subcommittee met with the representative from the National Nanotechnology Coordination Office to discuss opportunity of collaboration in the area of nano safety. The committee also discussed differences in managing lab laboratory safety in the teaching and research lab settings, as well as connections between Green Chemistry and Laboratory Safety.

At the Boston national meeting, the Committee on Chemical Safety (CCS) co-sponsored a Presidential symposium, which has followed up on the 2018 ACS Safety Summit and explored specific aspects of how the Society Core Value of "Professionalism, Safety and Ethics" can be integrated in the strategic plan of the Society. Safety information, education, outreach and Green Chemistry aspects of this value were discussed. The symposium identified many important opportunities for the committee to collaborate with the Division

of Chemical Health and Safety (CHAS), ACS staff and members and external stakeholders to support members in living out this ACS value.

Additionally, the CCS, in partnership with the Division of Chemical Health and Safety (CHAS) and ACS staff, presented the second workshop for graduate students to help them define and develop leadership skills around safety in their laboratories. This workshop engaged more than 30 graduate students from around the country on the topic and received positive reviews. Based on this success, the CCS plans to collaborate with CHAS and ACS Safety Programs to sponsor similar workshops in 2019.

Ralph Stuart, Chair

Chemists with Disabilities

The Chemists with Disabilities Committee (CWD) promotes chemistry educational and professional opportunities for persons with disabilities. CWD leverages its resources for impact beyond the community of chemists with disabilities, for the betterment of ACS and society as a whole.

6. CWD sponsors a student travel award that will continue in 2019. The purpose of the ACS-CWD Travel Award is to encourage the participation of undergraduate/graduate students and post-docs with disabilities who will present a talk or poster at the ACS National Meeting.
7. CWD promotes the capabilities of persons with disabilities with its famous scientists with disabilities posters. These posters are displayed throughout various venues at ACS national meetings. CWD also created posters suitable for classroom use. By displaying these posters in schools, we encourage youngsters, with and without disabilities, to overcome life's hurdles and to achieve their full potential.
8. The CWD ChemLuminary award recognizes the outstanding effort of a local section that has a program designed to increase the participation of people with disabilities in the world of chemistry. The award also recognizes events to help educators, advocates and families of persons with disabilities. The committee is looking for outstanding events that demonstrate pertinence to the CWD mission through activities that are accessible to the target audience and have a strong program impact at the local level.
9. In an effort to make our committee materials as inclusive as possible, our members have converted our CWD Committee Member Handbook into an audiobook. This audiobook was dictated by one of our members and will be available to all of our committee members as well as on our committee website.

James Schiller, Chair

Community Activities

Volunteers from the Committee on Community Activities (CCA), Local Sections, Student Chapters, and local science outreach groups welcomed more than 700 participants to the ACS Presidential Outreach Event held at the Boston Children's Museum from 11:00 a.m. – 2:00 p.m. on Saturday, August 18. Both Professor Molenium, Meg. A. Mole, and ACS President Peter Dorhout joined the festivities. President Dorhout presented a Salute to Excellence award to the Boston Children's Museum to thank them for hosting the event. Activities were based around the theme for the 2018 National Chemistry Week theme, "Chemistry is out of this World!"

All National Chemistry Week resources, including the latest edition of the children's publication *Celebrating Chemistry*, were released on August 1. National Chemistry Week will be observed October 21 – 27, 2018.

During executive session on Sunday, August 19, the committee voted to approve a co-sponsored ChemLuminary award for involvement in the National Science Foundation funded program ChemAttitudes. This program produces hands-on, science kits to help scientists work with local science centers and museums to develop interest, relevance, and self-efficacy around chemistry for the public. The Society Committee on Education and the Committee on Local Section Activities will co-sponsor this award, and a working group to define the award scope and to select winners. CCA also discussed plans for upcoming National Chemistry Week and Chemists Celebrate Earth Week celebrations.

CCA piloted a new workshop for graduate students, postdoctoral fellows, and professionals who are interested in hosting their own science outreach events. The material for this workshop was modified from the ACS Chemistry Festival Training Institute program, which trains international volunteers to engage their local communities over three days. This workshop was held on Monday, August 20 from 10:30 a.m. – 11:45 a.m.

CCA honored outstanding outreach volunteers through the nine ChemLuminary awards bestowed by the committee on Tuesday, August 21. Local sections receiving awards were Binghamton, Chicago, Midland, Northeastern, North Jersey, Pittsburgh, South Florida, and Virginia.

CCA welcomes participation of any ACS Member on National Chemistry Week and Chemists Celebrate Earth Week Theme Teams for 2019 and beyond. Please contact outreach@acs.org for more information.

Michael McGinnis, Chair

Environmental Improvement

At its meetings in Boston, the Committee on Environmental Improvement (CEI) continued to work on a wide range of projects to advance sustainability thinking and practice across ACS and society.

CEI continues to develop draft public policy statements for consideration by the ACS Board of Directors as well as related materials. The statements include decisions to recommend extension of the expiring ACS statements on water and inherently safer technologies. CEI also has worked with others on updates to Society policies on energy and on hydraulic fracturing, which the committee decided in Boston to recommend to the Board.

In Boston, the committee established the writing teams that will review expiring ACS statements next year concerning chemical risk assessment and regulatory decision making and climate change. CEI is working on a fact sheet on synthetic biology for chemists and is exploring issues concerning plastics in the environment.

CEI continues to support sustainability programming by ACS Local Sections and at ACS Regional Meetings. In Boston, CEI voted to provide grants to the Illinois Heartland and Savannah River Local Sections.

The committee continued planning for its support of the theme, Chemistry of Water, for the upcoming Fall 2019 National Meeting to be held in San Diego. CEI also is following up on the programming that it hosted at the recent 2018 Green Chemistry and Engineering Conference concerning sustainability in the supply chain.

Looking forward, CEI updated its strategic plan to advance its vision of a sustainable world enabled through the sustainable practice and use of chemistry. This plan will continue the committee's three goals to

- Engage stakeholders to incorporate sustainability into the practice and use of chemistry;
- Equip advocates to be influential voices about policies in sustainable chemistry via development and dissemination of appropriate tools for relevant audiences; and

- Engage networks of chemists and stakeholders to advance sustainability education & communication.

Jurgen Exner, Interim Chair

Ethics

The ACS Committee on Ethics met in open session on Sunday, August 19, 2018. Modern technology is a wonderful thing; teleconferencing once again enabled remote members to participate in all aspects of our meeting.

We are proud to announce the publication of our first Symposium Series volume, published online this June, and sponsored by the Division of Chemical Information. *Credit Where Credit Is Due: Respecting Authorship and Intellectual Property* (<https://pubs.acs.org/isbn/9780841233393>) presents information and case studies on various topics surrounding authorship and inventorship, and it is a riveting read!

On Monday, we co-organized a symposium on the “Ethics of Data Sharing” with the Division of Chemical Information. We are also planning a session entitled, “Publish, Patent, or Perish: Ethical Communication in Chemistry” for the Orlando meeting, so, start thinking about your abstracts now!

Our subcommittees were hard at work on Sunday morning and made concrete progress on all projects. We are currently reorganizing and reviewing the resources in our Web space to make them more relevant and accessible, and two questions on forthcoming Salary Surveys will give us information about the ethics interests of ACS members. We have also revised the criteria for our ChemLuminary Award for “Outstanding Local Section Programming Related to the Promotion of Ethics in Chemistry,” and we ask Local Sections to be specific in their self-nominations about the ethics component and the impact of the activities that they describe.

The Committee on Ethics’ charge precludes us from adjudicating ethics cases raised by ACS members. This year, we received many communications from members, citing a variety of ethical concerns, and, in some cases, requesting resolution to upsetting and troublesome situations. While we are happy to provide members with resources and make referrals, we are not permitted to render judgments. If this need by our members cannot be filled through referrals to other entities, the Society might want to consider forming an adjudicatory body in the future.

Judith N. Currano, Chair

Minority Affairs

The Committee on Minority Affairs (CMA), in conjunction with the Diversity & Inclusion Advisory Board (DIAB), is in the process of developing a new ACS Diversity and Inclusion workshop to be presented at the Leadership Institute to help future and current ACS leaders have a toolbox to develop diverse teams. The CMA Membership Engagement and Professional Development subcommittee is also developing a Diversity & Inclusion workshop targeted towards governance committee members. The workshop piloted in Boston touched on the topics of privilege, intersectionality, and intent vs. impact. The workshop generated a rich discussion and gave CMA members specific recommendations for navigating each of these topics.

The ACS Scholars Program continues on an upward trajectory. CMA heard highlights of the program so far in 2018 showing high levels of success in supporting gifted students from under-represented groups to graduate from college in the chemical sciences. The program just recently reached the milestone of having over 300 scholar alums receiving their Ph.D.’s.

CMA recognized Project Seed in their 50th year and the annual Zaida Morales-Martinez Mentorship award was presented at the CMA Luncheon. K. Renee Horton from NASA spoke of her personal journey and what she has learned along the way and inspired the audience to be present in their intersectionalities as both chemists and allies of the more disenfranchised.

CMA presented its Chemluminary Award for the Best Overall Local Section Minority Affairs Committee to the Virginia Local Section for consistently promoting and encouraging the participation and leadership of underrepresented minorities in the chemical sciences.

Ann Kimble-Hill, Chair

Nomenclature, Terminology and Symbols

The Committee on Nomenclature, Terminology, and Symbols (NTS), an ‘other’ committee of Council, has been very active during the past year. A Strategic Planning session invigorated the committee structure and enhanced our capabilities to better serve the ACS Council and membership.

NTS’ vision is enabling a common language for chemistry. Our mission to “educate, facilitate, and advocate for the use of chemical representations that support a universal understanding of chemistry” is being implemented through our goals and strategies. NTS’ goals include educating practitioners about nomenclature, facilitating discussions and explorations of chemical representations, and advocating for a common language of chemistry.

NTS, in collaboration with the Braille Authority of North America has facilitated discussions with visually impaired chemists to standardize the Braille code for chemistry. Through this collaboration, we jointly hope to improve the ability of the code to represent chemical structures, increase the usage of the code through advocacy and outreach, and remove redundancy in the existing code. We are targeting project completion by the end of 2019.

NTS is preparing a series of educational materials on the nomenclature of the Periodic Table, the proper use of symbols in representing thermodynamic quantities, and the redefinition of the SI base units. These materials include worksheets for elementary, middle, and high school students that are aligned with educational standards.

In recognition of the 150th anniversary of the Periodic Table, the 72nd Session of the United Nations proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements. In conjunction with this upcoming event, NTS is developing seminars, educational materials, and information packets for students and scientists that focus on the Periodic Table. These initiatives will complement the work of IUPAC during 2019, which is also the 100th anniversary of that organization. Given the rapid pace of developments in cheminformatics and structure representations the need for standardized nomenclature, terminology, and symbols is more important than ever. We look forward to continued work in enabling a common language for chemistry.

Michael D Mosher, Chair

Project SEED

Over the last five decades, the Project SEED program has maintained an exceptional record of positive impact on the lives of nearly 11,000 young people, offering summer chemistry-research opportunities for high school students from economically disadvantaged families. This summer 426 high school students participated in nearly 120 academic, government, and industrial laboratories, in 38 states, Washington, DC and Puerto Rico. The Committee awarded 28 one-year college scholarships, as well as three renewable Ciba scholarships to former Project SEED students for the 2018-2019 academic year. Thank you to our

contributors who, without them, these scholarships would not be possible.

In Boston, Project SEED celebrated its 50th Anniversary with a successful Presidential symposium “Growing with Project SEED: 50 years and 10,000+ Students” featuring a former ACS Executive Director and CEO, a 2016 Chemistry Nobel Laureate, long-term mentors and coordinators, and Project SEED alumni. The alumni focused their talks on the impact Project SEED made on their lives. A reception honored the exceptional mentors and coordinators. These events were financially supported by the ACS Publications Division and the Chemical Abstract Services, and cosponsored by over two dozen of the Society’s technical divisions and committees. In addition, the Committee on Minority Affairs luncheon and the Development reception “A Conversation with Sir Fraser Stoddart” honored the celebration. Approximately seventy Project SEED students presented their research posters in Sci-Mix. At the ChemLuminary event, the committee presented the award to the New York Local Section for its Outstanding 2017 Project SEED Program.

The committee thanks those who have generously financially contributed to the program in response to the 50th Anniversary appeal, 50 Forward, and would like to remind that there is still time to contribute!! We encourage all members to continue using the dues check-off option on their ACS membership renewal to support this remarkable program.

Don Warner, Chair

Publications

Staff gave an overview on some of the C&EN developments that followed the work carried out at the end of March 2018 to launch C&EN’s new website and that included the introduction of a metered paywall, event-specific pop-up e-alerts and plans to create a voice assistant skill for C&EN. In addition, staff highlighted the recognition the C&EN Media Group have received recently in terms of awards and greater prominence and presence of its C&EN staff at journalism events.

The monitoring reports for *Journal of Chemical Theory and Computation*, *ACS Chemical Biology*, *ACS Omega*, *Langmuir*, *Journal of Agricultural and Food Chemistry*, *Organic Process Research & Development*, *Crystal Growth & Design*, and *Nano Letters* were presented, discussed thoroughly and accepted with thanks. Editor reappointments were reviewed and recommendations were made. *ACS Biomaterials Science & Engineering*, *ACS Central Science*, *ACS Combinatorial Science*, *ACS Infectious Diseases*, *Biomacromolecules*, *Environmental Science & Technology*, *Environmental Science & Technology Letters*, *Organometallics*, *The Journal of Physical Chemistry A/B/C*, and *The Journal of Physical Chemistry Letters* will be monitored next.

The committee met for an all-day Strategic Planning Meeting on Saturday, August 18, 2018 to undertake strategic planning for the Joint Board-Council Committee on Publications (JBCCP). The Chair of JBCCP and the ACS senior staff will further formalize the action item list with proposed timelines into a 2-year strategic plan.

The committee and staff expressed their sincere appreciation to Dr. Nicole Sampson for her outstanding service as chair of the Joint Board-Council Committee on Publications from 2016 to 2018.

Nicole S. Sampson, Chair

Science

The Committee on Science (ComSci) approved in Boston updated policy statements on energy and hydraulic fracturing. The Editor-in-Chief of *Accounts of Chemical Research* met with the Committee to share strategies for identifying emerging areas of chemistry. Special topics issues and co-organized symposia are two possibilities for collaboration between ComSci and the journal going forward. ComSci’s four subcommittees, on science and technology, public policy, awards, and communication, adopted frameworks

for identifying emerging areas of science; reviewing existing policy statements; nominating candidates for national and international awards; and communicating effectively with stakeholders. The Committee organized a symposium on the “DARPA Make-It Program: Automating Small Molecule Route Design, Optimization and Synthesis,” which attracted more than 100 attendees. ComSci welcomes input from all ACS members to identify emerging areas in chemistry. Suggestions may be sent to comsci@acs.org for consideration by the Committee.

Mark Cesa, Chair

Senior Chemists

The Senior Chemists Committee (SCC) met in Boston on Monday, August 20 to review plans for SCC events held at the ACS National Meeting and hear updates from subcommittees. *The Newsletter for Senior Chemists* distribution has increased to three issues annually; the July issue received a 27% opening rate. The new SCC Webpage on ACS.org launched in May – more than 14,000 senior chemists visited the site since its launch with 940 unique visitors (May-July). The “How to Start a Senior Chemists Committee” kit has been downloaded 58 times from the webpage. The Senior Chemists Group on the ACS Network now has 250 followers and has increased its engagement. SCC sponsored a pilot program “Networking with Chemistry Professionals” Donut Sundae Bar together with YCC on August 20 to engage undergraduates and younger chemists (total of 76 participants) and hosted another sold out Senior Chemists Breakfast on August 21 with keynote speaker Richard Newman, Director of Science at the Boston Museum of Fine Arts who spoke about using scientific techniques in art museums. SCC also presented two ChemLuminary Awards that day to the Minnesota Section for the “Best Ongoing Senior Activity” and Central Texas Section for the “Most Innovative Activity for Senior Chemists”. On August 22, SCC and the Polymer Chemistry Division sponsored “The History of Polymer Chemistry” symposium with six speakers that was very well attended. SCC also conducted a strategic planning retreat following Council with 16 committee members present.

Thomas R. Beattie, Chair

Technician Affairs

The Committee on Technician Affairs (CTA) met on Sunday, August 19 in Boston. During the meeting, it was announced that Jennifer McCulley will assume the post of CTA chair, beginning in 2019.

CTA honored the Midland Local section at the ChemLuminary Awards as the local section with the Best Technician-Related event. CTA would like to encourage all local sections and divisions which hold technician-related events to please apply for consideration for the ChemLuminary Award. Interested local sections and divisions may nominate themselves for the award via their annual reports.

In Boston, CTA continued to build a plan to survey chemical technicians across the U.S. to identify their current job titles, build a database of technicians, and better serve the technician community.

CTA also finalized plans for its upcoming [webinar](#), “How to Develop your Career as a Chemical Technical Professional,” which will be held on Tues., Sept. 25, 2018 from 12:00 PM - 1:00 PM EDT.

CTA is actively seeking nominations for the 2019 National Chemical Technician Award until October 18, 2018. This annual award was established to recognize the outstanding career achievements of exceptional technicians. The winner will be honored at a luncheon during the 2019 spring national meeting in Orlando. For more information about the award, please visit the CTA website at www.acs.org/cta.

Aime'e Tomlinson, Chair

Women Chemists Committee

The Women Chemists Committee (WCC) implemented a project portfolio model in the Spring of 2018, with each project manager focusing on strategies surrounding each of the specific WCC goals. At this meeting we continued to implement this new model.

WCC is continuing our successful awards and recognition programs and national meeting programming. Here are some areas in which we are focusing on in 2018.

- WCC is working on clearly articulating our approach to gender inclusivity. With input from past WCC-award winners, WCC is crafting an inclusivity statement.
- WCC would like to strengthen connections to the local section WCC chapters. We have shared an updated “WCC Local Section Resource Guide” on our website and we are updating our contact information for those WCC local sections. WCC would like to more closely collaborate with local sections on local, regional, and national programming.
- The second edition of “Mom the Chemistry Professor” was released by Springer Nature immediately prior to the meeting. This book launch was celebrated with a “Meet the Editors” event, full-day symposium featuring authors, and Just Cocktails reception in Boston.
- WCC is very much looking forward to a year-long celebration in 2019, which will mark the 30th anniversary of the Eli Lilly Travel Award, which has had such an important impact on the careers of young women in the chemical sciences.
- WCC also recognized the accomplishments of 8 talented winners of the WCC Merck Research Award in Boston. It was clear during the half-day symposium that we will continue to see substantial contributions from these scientists in the future!
- WCC has established a task force to focus on the topic of sexual harassment within the ACS. Sexual harassment was a “Special Discussion Topic” at the Council meeting in Boston, and many Councilors spoke in support of clearer reporting procedures, clear signage, and the need for ACS national to assist the local sections in developing policies or tools for the local level. If you have ideas to share with WCC on this topic please contact us at wcc@acs.org.

The new project model adopted by the WCC allows for involvement of more non-committee members in executing the programs, projects and events of the WCC. Are you or someone you know is interested in helping the WCC on any of the following: national meeting technical programming, national meeting social/networking events, WCC breakfast or luncheon, social media, website, or award programs? If you are interested in any of these, please email wcc@acs.org and let us know what you’d like to help with and we can match you up with a project team to assist.

Kim Woznack, Chair

Younger Chemists Committee

In Boston, the Younger Chemists Committee (YCC) held a productive meeting and program, focused on executing our new Strategic Plan and continuing to serve our constituency. We were pleased to host a group of young chemists selected in partnership with the European Younger Chemists Network (EYCN), our counterpart in the European Chemical Society (EuChemS). These younger chemists attended a fruitful exchange program, complete with technical sessions, industry tours, and social outings, many of these events in collaboration with German Chemical Society (GDCh) and Northeastern Section of the American Chemical Society (NESACS) exchange.

Our program in Boston also included an exciting mix of soft skills workshops, career symposia, and networking opportunities such as Presidential-sponsored “Artificial Intelligence & It’s Impact on the Chemical Enterprise”, “How to Get Your First Industrial Job”, “Networking 101” and “Chemistry as a Second Language: Strategies for Global Scientific Communication”. On Monday morning, YCC hosted our

traditional Fun Run, sponsored by the Member Insurance Program, in memory of a very special ACS member, Christine Jaworek-Lopes, who recently passed away from cancer.

The YCC continue to work to engage younger chemists in the ACS elections, and will again host our “Catalyze the Vote” events this Fall. On September 27, we will host an interactive Live Virtual Town Hall so younger members can ask the candidates for ACS President-Elect the questions that matter to our demographic. Please encourage the younger chemists you engage with to join YCC in voting on our official YCC voting day - October 16.

The new home for all of these efforts and more is our recently revamped YCC website (<https://acsycc.org>), which complements our strong social media presence.

Natalie LaFranzo, Chair

December 2018 Board and Committee Meetings Washington, DC

Budget and Finance

The Society Committee on Budget and Finance met on Friday and Saturday, November 30 and December 1, 2018, to review the Society’s probable financial results for 2018 and review the 2019 proposed operating and capital budgets. ACS is projected to end 2018 with a net contribution from operations of \$33.7 million, or \$3.2 million favorable to the Approved Budget. The Society is projected to end the year in compliance with the Board-established financial guidelines.

The committee reviewed the 2019 Proposed Operating and Capital Budgets. After discussion, the committee voted to recommend to the Board of Directors that it approve the 2019 Proposed Operating Budget with a Net Contribution of \$33.3 million. The committee also voted to recommend to the Board that it approve the 2019 Proposed Capital Budget of \$42.4 million.

Joseph Heppert, Chair

Professional and Member Relations

The Board Standing Committee on Professional and Member Relations (P&MR) met on November 29 2018 in Washington, DC. Staff delivered a report on recent efforts by the Membership and Society Services (M&SS) division to reverse the ACS membership decline. They reported that ACS is on a path, by year-end, to report a positive gain in membership. They also shared some recent survey results on how well ACS is delivering value to members. The report was concluded by sharing details on Membership’s 2019 strategy.

The Chair of the ACS Diversity and Inclusion Advisory Board (D&IAB) reported that progress is being made on completing a proposal for a four-hour, diversity-related module, which D&I hopes will debut at the 2019 Spring or Fall national meeting. The working title for the module is “Assembling and Maintaining Teams for Success.”

The P&MR Awards Working Group Chair provided an update on establishing the National Awards Advisory Board (NAAB). The group’s mission is to advance ACS Awards by monitoring the selection committee process and identifying volunteers to serve. The chair reminded the committee that NAAB would report to P&MR, that the ACS Board Chair and the P&MR Chair will jointly appoint the NAAB Chair, and that ACS Board Chair and the P&MR Chair will jointly appoint the NAAB members. Advisory Board members and

alternatives have been identified, a conflict of interest statement will be developed, and an NAAB virtual meeting is planned for early December, 2018.

On the matter of the ongoing pilot involving grouping of ACS national awards, it was reported that two award categories for the 2019 cycle have been identified: (1) Education/Teaching and (2) Organic. The report concluded by sharing survey data from 2018 pilot participants. A sufficient number of concerns emerged in the survey results to warrant remaining in pilot mode for another year, and for the committee to resist for now extending this selection process to all ACS National Awards.

The committee then discussed some funding technicalities associated with the *M. Frederick Hawthorne Award in Main Group Inorganic Chemistry* that focused on different administrative fees for not-for-profit, and for-profit donors. P&MR did not want to delay approving the award while these technicalities were being resolved.

Consequently, the committee **VOTED** to recommend to the Board of Directors that the M. Frederick Hawthorne Award in Main Group Inorganic Chemistry be established as a National Award contingent on the resolution, and subsequent approval by the ACS Board of Directors, of the source and means of financing the endowment.

The status of several sponsor agreements was given with respect to ACS National Awards. Sponsor agreements were received for two National Awards and a new sponsor Arkema was identified for the ACS Award in Fluorine Chemistry. Sponsor agreements for five awards will expire with the presentation of the 2020 awards.

Acting under delegated authority, the Committee **VOTED** to invite the sponsors of five ACS National Awards to renew their sponsor agreements:

- ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry, sponsored by Strem Chemicals, Inc.
- ACS Award in Analytical Chemistry, sponsored by Battelle Memorial Institute
- ACS Award in Separations Science and Technology, sponsored by Waters Corporation
- ACS Award in Surface Chemistry, sponsored by Procter & Gamble
- James Flack Norris Award in Physical Organic Chemistry, sponsored by the ACS Northeastern Section

Staff noted that since an insufficient number of nominations were received for the *George and Christine Sosnovsky Award for Cancer Research*, the award would not be presented in 2020. The report was concluded by sharing some data focused on women and industry ACS National Award recipients for the period 2017-2019.

The Chair of the ACS Fellows Oversight Committee briefed P&MR on several recommended updates to the ACS Fellows Program Guidelines: Selection Criteria for leadership in volunteer service and Nomination Types. Additional recommendations were shared with respect to the Fellows nomination guidelines as they apply to ACS International Chemical Sciences Chapters.

Acting under delegated authority, the Committee on Professional and Member Relations **VOTED** to approve the updated ACS Fellows Program Guidelines: Selection Criteria for leadership in volunteer service and Nomination Types, as presented to the committee by Lynne Greenblatt on 11.29.18 (with the following amendments, which appear in italics):

- a) Outstanding leadership, documented through specific results achieved, of Divisions, Local Sections, International Chemical Sciences Chapters, Advisory Boards, *Regional Boards*, and *regional*, national and/or international meetings;
- b) Exceptional service in the publication of scientific information not including routine authorship or compensated services as Editor-in-Chief, Associate Editor, or equivalent positions;
- c) Organization of especially significant symposia, major presentations, or other programming at national/international meetings;

- d) Leadership or other outstanding contributions to public outreach activities, such as National Chemistry Week and Chemists Celebrate Earth Week;
- e) Effective communication to the public and policymakers of the value of the chemical sciences or chemical professionals through the press, radio, TV, or other electronic media;
- f) Exceptional volunteer service *to the ACS and* with strategic partners that help advance the mission of ACS such as other national or international scientific or chemical associations, committees, roundtables, and conferences.

The committee then received an update on ACS plans to celebrate the 2019 International Year of the Periodic Table.

Finally, it was reported that a number of changes are being made to the acs.org homepage designed to more effectively tell the ACS brand story, help website users quickly and easily find what they want, and promote ACS membership as an important strategic business initiative.

Dorothy J. Phillips, Chair

Public Affairs and Public Relations

The Board Standing Committee on Public Affairs and Public Relations (PA&PR) met on November 29 2018 in Washington, DC. The Chair welcomed committee members, provided an overview of the agenda and support materials in the agenda book and highlighted several matters:

- Update on the National Historic Chemical Landmark designation ceremony and symposium that took place in conjunction with the Southeast Regional Meeting (SERMACS), recognizing the Savannah River National Laboratory for its work around production of plutonium-238 for space exploration. Also shared were dates for 2019 NHCL designation ceremonies.
- Overview of ACS involvement with several science community partners around an unbranded Campaign for Science that seeks to more productively communicate and engage with the general public to explain the critical federal government role in driving US innovation and job creation through investment in research and development and encourage them to support that investment with elected officials.
- Planned PAPR and Board outreach to Capitol Hill on top ACS policy priorities in 2019 that involve a potential February visit of a small group of PAPR members to gather intelligence on the agenda for the incoming 116th Congress and the annual ACS Legislative Summit that involves PAPR, the Board and other ACS governance members.
- Coordinated staff effort across ACS being led by ACS External Affairs & Communications (EAC) focused on ensuring that all ACS materials and products exemplify accuracy, diversity and safety in all of their various aspects.
- Opportunity to put forth names of qualified ACS members for consideration as a new Chair of the U.S. Chemical Safety and Hazard Investigation Board.

ACS Public Policy Statements

The committee discussed the biennial ACS Public Policy Priorities document and 9 ACS public policy documents -- four policy statements recommended for extension, four policy statements recommended for replacement, and one statement will be allowed to expire at the end of the year. The committee took the following actions:

The committee voted to recommend that the Board of Directors adopt the 2019-20 ACS biennial Public Policy Priorities.

On the recommendation of ACS External Affairs & Communications, with concurrence of relevant governance committees, the committee voted to extend four existing policy statements for a period of three years: “Water Treatment and Conservation,” “Inherently Safer Technologies,” “Healthcare Policy” and “Convention on the Rights of Persons With Disabilities.”

At the recommendation of the Joint Board-Council Committees on Chemistry and Public Affairs, Environmental Improvement and Science, and the Board Committee on Corporation Associates, the committee voted to adopt the statement “The Science and Technology of Hydraulic Fracturing” as an ACS public policy position of the Society. The new statement replaces the 2015-2018 statement.

At the recommendation of the Joint Board-Council Committee on Chemistry and Public Affairs, the committee voted to adopt the statement “U.S. Innovation and Entrepreneurship” as an ACS public policy position of the Society. The new statement replaces the 2015-2018 statement.

At the recommendation of the Joint Board-Council Committee on Chemical Safety, the committee voted to adopt the statement “Regulation of Laboratory Waste” as an ACS public policy position of the Society. The new statement replaces the 2015-2018 statement.

At the recommendation of the Joint Board-Council Committees on Environmental Improvement, Chemistry and Public Affairs and Science, and the Board Committee on Corporation Associates, the committee voted to adopt the statement “Energy Policy” as an ACS public policy position of the Society. The new statement replaces the 2015-2018 statement.

The committee agreed with the recommendation of the Joint Board-Council Committee on Environmental Improvement to let the “Endocrine Disruptors” statement expire at the end of 2018.

Minor grammatical changes were noted by various committee members in several of the aforementioned statements and the Chair asked that these be conveyed to EAC staff for correction after the meeting.

The Chair led a brief discussion regarding a draft “Workforce Immigration” statement from a writing team comprised of representatives from several ACS governance committees. Committee members shared their initial reaction to the draft. The Chair asked that if committee members have additional thoughts that they submit them to her as soon as possible so she can share those with the writing team. At the request of the Board chair, the draft statement will be shared with all Board members. It is expected that the committee will have a final draft for consideration at its June 2019 meeting. Given the complexity of the topic, the Board Chair has requested the full Board take action on the final statement.

National Science Board Science and Engineering Indicators 2018 - EAC staff presented key data from the National Science Board’s 2018 Science and Engineering Indicators report. The report describes international and domestic S&E dynamics in light of the worldwide trend toward more knowledge-intensive economies and both increasing global collaboration and competition in S&E. Committee members found these data particularly informative and useful for the role they play in the ACS public policy process they oversee.

Year End Topical Wrap-ups - The committee received year-end wrap-ups updates from EAC staff on Government Affairs, Communications and Human Rights. The Human Rights update included comments from Board member Dorothy Phillips who is responsible for the Board’s human rights portfolio.

Adjournment - Prior to adjournment, the Chair expressed her appreciation for the opportunity to serve as Committee Chair for 2018 and received a standing ovation in recognition of her service. EAC staff presented the Chair with tokens of appreciation for her leadership and service. The Committee adjourned at 11:30 AM.

Laura Pence, Chair

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