

Message from ACS President Bonnie A. Charpentier



Dear colleagues,

Soon we will be in the lovely city of San Diego, site of the ACS Fall 2019 National Meeting & Exposition, where the theme is “Chemistry & Water.” While you’re there, you are invited to take part in stimulating symposia and poster sessions that highlight new innovations and techniques in chemistry, interact with exhibitors of groundbreaking technologies, and explore courses that can lead to career advancement.

I hope you are able to schedule time on Tuesday to attend the presidential symposium “Chemistry of Disasters,” a continuation of a symposium organized in Orlando, Florida, earlier this year. On Sunday, there are several presidential symposia that may pique your interest, particularly “150 Years of the

Periodic Table,” which comes in the midst of the International Year of the Periodic Table.

On Sunday at noon, join your colleagues for the ACS Board of Directors Regular Session, where a diverse panel of leaders in industry, academia, and government will address the critical leadership skills needed to succeed in the chemical enterprise. Allison A. Campbell and Wayne E. Jones Jr., co-chairs of the Next Generation Professional Development Task Force, will moderate the discussion.

On Monday evening, professor Thomas Markland of Stanford University will present the Kavli Foundation Emerging Leader in Chemistry Lecture, “Harnessing the Quantum Mechanics of the Hydrogen Bond: From Atmospheric Science to Enzyme Catalysis.” Frances Arnold of the California Institute of Technology

will then present the Fred Kavli Innovations in Chemistry Lecture, “Innovation by Evolution: Bringing New Chemistry to Life.”

In addition to the rich technical programs, be sure to network with colleagues and visit the exposition hall to interact with exhibitors, participate in exhibitor workshops, and take advantage of career advancement opportunities.

I would personally like to thank our hosts at the San Diego Local Section, the division program chairs, and the symposium chairs for planning and organizing what I know will be a successful meeting.

Sincerely,



Bonnie A. Charpentier, Ph.D.
2019 ACS President

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Councilor Representation Established for 2020-2023

At its meeting in Orlando, April 2, 2019, the ACS Council Policy Committee (CPC) set the Bylaw-required divisor for determining the number of local section Councilors for 2020-2023 at 405. This number, divided into the number of members in a local section on December 31, 2018, determines the number of Councilors each local section is entitled to in 2020-2023. The Society’s Bylaws provide that local sections shall have 80%, and divisions have 20%, of elected Councilors. Accordingly, CPC set the Bylaw-required cut-off figure for Councilor representation from the divisions at 870 members. This number determines the number of Councilors each division is entitled to in 2020-2023. The number of Councilors authorized for each division is based on the number of paid members in the division on December 31, 2018.

On the basis of these determinations, the **Northeastern** section will gain a Councilor. Twelve local sections – **Chicago, Delaware, Greater Houston, Kansas City, Maryland, Midland, Philadelphia, Princeton, Puerto Rico, St. Louis, Trenton, and Western Connecticut** – will each lose a Councilor. The **North Jersey** section will lose two Councilors. Four divisions – **Agriculture and Food Chemistry, Chemical Information, Energy and Fuels, and Industrial and Engineering Chemistry** – will each lose one Councilor. There will be no change in the number of Councilors for all other local section or division.

The sections and divisions affected were sent individual notifications in April.

COUNCIL MEETING

**Wednesday
August 28, 2019
8:00 a.m.**

**Sapphire Ballroom
Hilton San Diego
Bayfront Hotel**

**Check-in Opens
7:00 a.m.**

A Two-track Strategy: Proposed Streamlined Governing Documents Have Implications for Process for Petition on Membership and Dues

Brian M. Mathes, Chair, Committee on Membership Affairs

The new Petition on Membership and Dues that appears in the Council Agenda for consideration in San Diego is caught up in timing requirements as a result of the Petition to Streamline the ACS Governing Documents approved by Council (94%) at the ACS Spring National Meeting in Orlando.

To obtain Council approval of the Petition on Membership and Dues at the earliest opportunity - spring 2020 - a two-track strategy was devised to comply with existing and proposed timelines for petitions.

Because the “Streamline Petition” involves amendments to the ACS Constitution, ratification by vote of the ACS membership is also required. This will take place during the Society’s fall national elections scheduled for this October. The new governing documents would become effective January 1, 2020.

Under existing Bylaw requirements, the Petition on Membership and Dues had to be submitted to the Executive Director by May 9, during the interim between Council approval and member ratification, with full knowledge that it would likely be moot should the ACS membership ratify the “Streamline Petition.”

Anticipating membership approval in fall 2019, another version of the Petition on Membership and Dues was prepared, according to the guidelines for amending Standing Rules outlined in the new streamlined governing documents. The second version addresses the

same content as the earlier version; the only difference is that those Bylaws were moved to the Standing Rules. Under the Standing Rules, the committees

To obtain Council approval...at the earliest opportunity - spring 2020 - a two-track strategy was necessary to comply with existing and proposed timelines for petitions.

on Membership Affairs and on Budget and Finance would

discuss the proposed revisions and vote to have them put forth for a Council vote at the 2020 spring national meeting in Philadelphia. This second version required submission by July 20, during the interim between Council approval and member ratification, with the knowledge that should membership not ratify the “Streamline Petition,” it would likely be moot and the earlier version would then proceed to Council for action in spring 2020.

In either circumstance, if approved in Philadelphia, the only change is for the identified dues and membership Bylaw provisions to be removed from either the Bylaws (track one, current governing documents) or the Standing Rules (track two, streamlined governing documents) and placed in a separate document (See box, page 3). It would afford the Council greater responsibility, flexibility and speed to propose revisions designed to attract, retain, and provide greater relevance to ACS members.

The petition mirrors many comments heard on the Council floor at the spring meeting in Orlando as part of the special discussion led by ACS President Bonnie Charpentier on how to increase the value of ACS to its members and prospective members.

A list of FAQs has been compiled to better understand the petition and other matters surrounding it:

1. Who is championing this petition and who are the petitioners supporting it?

The petitioners are listed at the end of the petition (see [Council Agenda](#)), and represent various ACS governance roles including individuals from MAC, B&F, CPC, BMGT, CA, ConC, N&E, PA&PR, and P&MR all acting in their individual capacities. The petition was assigned for discussion in San Diego at MAC, LSAC, DAC, CPC, B&F, SOCED, and C&B. The overwhelming refrain from the petitioners was to use this as a mechanism to provide Council quicker and streamlined mechanisms to deal with a changing membership landscape in an expedited but rigorous manner.

2. What changes if this petition passes?

Nothing will change immediately if this petition passes. The petition is voted on along with the accompanying document outlining a schedule of membership. The 2021 schedule will outline a model that mimics the state of benefits and dues as it exists today, and establishes a default baseline for cost and structure. This preserves the status quo, literally moving text from the original Bylaws to the new document. Council retains its full responsibilities to approve membership; MAC cannot move unilaterally. The 2022 schedule may look to be more flexible in terms of offering varying benefits to different types of members and alternative price points.

(Continued on page 3)



GREAT CHEMISTRY HAPPENS AT REGIONAL MEETINGS

2019

Midwest
Regional Meeting (MWRM)
October 16 - 19
Wichita, KS

Southeastern
Regional Meeting
(SERMACS)
October 20 - 23
Savannah, GA

Southwest /Rocky Mountain
Regional Meeting
(SWRM/RMRM)
November 13 -16
El Paso, TX

For more information,
link to the individual
meeting sites from
[www.acs.org/meetings/
regional](http://www.acs.org/meetings/regional)

Council Policy Committee

Open Forum

**Councilors
Welcome!**

**Tuesday,
August 27, 2019**

9:30 - 10:00 a.m.

**Indigo Ballroom C
Hilton San Diego
Bayfront Hotel**

Implications for Process of Petition on Membership and Dues

(Continued from page 2)

3. What happens to local section and division allotments/allocations if this petition passes?

Nothing happens. This does not directly impact allocations because it preserves the status quo. However, the nimbleness afforded to governance may in the future enable changes that could impact the dues if those changes were approved by Council. Proactively, the chairs and members of the ACS Committees on Local Section Activities, Divisional Activities, Budget & Finance, and on Membership Affairs are all working to outline a fair and favorable means by which allocations and allotments remain unaffected by the challenges ACS has been experiencing with declines in current and constant dollars in the dues pool. These individuals are working to have a separate petition that will also be up for vote at the Fall 2020 meeting in San

Francisco. These separate discussions will not change the allocation formulas, only ensure that the entire pool remains stable.

4. Where do I go, who do I contact, to express my support or concerns?

If you would like more information about the Petition on Membership and Dues or the accompanying Schedule of Membership, please feel free to write MAC@acs.org to be put in touch with members of MAC directly. Petition representatives will be at all Caucus meetings and many committee meeting if folks have questions.

If you would like to make a suggestion around value, value proposition or other ways we can create or maintain a flexible governance structure to ensure a relevant and viable ACS, please write to engage@acs.org.

The proposed draft **2021 Schedule of Membership**, which is contingent on approval of the Petition on Membership and Dues and subsequent vote by Council to approve the document, is available on the [Councilor Group on the ACS Network](#). This is a private group for Councilors and Alternates only, and requires ACS ID and password.



2020 Standing and Other Committee Chairs Announced

Acting on the recommendation of the Committee on Committees (ConC), ACS President-Elect Luis Echegoyen has appointed or reappointed chairs for the Council Standing and Other Committees, effective January 1, 2020. Remaining chairs will be appointed in December.

2020 Standing Committee Chairs

Constitution and Bylaws (appointment)
Donna G. Friedman

Divisional Activities (reappointment)
James M. Takacs

Economic and Professional Affairs (appointment)
To Be Determined

Local Section Activities (appointment)
W. Matthew Reichert

Meetings and Expositions (appointment)
Rick Ewing

Membership Affairs (reappointment)
Brian M. Mathes

2020 'Other Committee' Chairs

Analytical Reagents (reappointment)
Tom Tyner

Ethics (reappointment)
Judith Currano

Nomenclature, Terminology and Symbols (reappointment)
Michelle M. Rogers

Project SEED (reappointment)
Don L. Warner

Technician Affairs (reappointment)
Jennifer L. McCulley



Don't Miss It!

SCI-MIX

Monday, August 26, 2019
8:00 p.m. - 10:00 p.m.

San Diego Convention Center



Chemistry Café: 10 International Business Phrases to Know

Angie Abraham

Welcome to Chemistry Café. This column provides tips and tools to help you communicate effectively about your work, research, studies, or activities and public engagement. Our goal is to help you tell your story about science and, in the process, put a human face on chemistry. Each column covers one topic. Let us know how we can support you by sending questions, suggestions and feedback to chemistrycafe@acs.org.

Have you ever heard a statement like this in the workplace?

“The team had a **deep dive** today. There was a lot to **unpack**, and we had to be sure the project was **in our wheelhouse**. We found that there were a lot of **moving parts**, so before the decision was made to **take the conversation of-line**, we had to **close the loop** with our partners.”

Business buzzwords and jargon like these are becoming more and more commonplace in the office environment. Linguistics experts consider the use of corporate speak as means to convey rightful inclusion in a social group or organization. By using this insider language, we are inherently asserting our role in the workplace. This may explain why business jargon and cli-

ché buzzwords have long been a part of office culture all over the world. A list compiled by language learning app Babbel, provides a glimpse into the workplace lingo of other countries. Here are 10 international business phrases to know:

France

Phrase: “Vouloir le beurre et l’argent du beurre”
Translation: “Wanting the butter and the butter’s money”
Meaning: Wanting to keep everything for oneself without leaving anything for others.

Belgium

Phrase: “De kogel is door de kerk”
Translation: “The bullet is through the church”
Meaning: The decision has been made.

Greece

Phrase: “Του έψησε το ψάρι στα χείλη”
Translation: “He cooked the fish on his lips”
Meaning: He made his life difficult.

Sweden

Phrase: “Glida in på en räkmacka”
Translation: “Sliding in on a shrimp sandwich”
Meaning: To have things easy; to succeed without having to work hard.

Netherlands

Phrase: “Water naar de zee

dragen”
Translation: “Carrying water to the sea”
Meaning: A futile activity.

Germany

Phrase: “Jetzt’s geht’s um die Wurst!”
Translation: “Now it is about the sausage!”
Meaning: The final stages of a project/the moment when it counts.

Poland

Phrase: “Co ma piernik do wiatraka?”
Translation: “What does gingerbread have to do with a windmill?”
Meaning: What does one task have to do with another?

Indonesia

Phrase: “Asal bapak senang”
Translation: “Keeping Father happy”
Meaning: Hiding bad news from the boss; being a ‘yes-man’.

Norway

Phrase: “Det gikk litt fort i svingene”
Translation: “The speed was too high in the turns”
Meaning: Making mistakes by rushing to get a task done.

Brazil

Phrase: “Brilho no olho”
Translation: “Gleam in the eye”
Meaning: Dedication to work; great passion about what one does.

ACS FREQUENTLY REQUESTED NUMBERS

Unless otherwise noted, first dial (800) 227-5558. When prompted, dial the extension given below. To contact other offices, dial the 800 number and ask for operator assistance, or visit the ACS website, www.acs.org.

Address changes
(800) 333-9511

Career Services x 4432
www.acs.org/careers
careers@acs.org

Development x 6210
www.acs.org/donate
donate@acs.org

Divisions x 4401
www.acs.org/divisions
division@acs.org

Education
K-12 programs x 4382
www.acs.org/education
education2@acs.org

Education,
undergraduate x 4480
www.acs.org/undergrad
undergrad@acs.org

Gifts and
other products x 4600
help@acs.org

National
Chemistry Week x 6097
www.acs.org/ncw
ncw@acs.org

Public Affairs x 4386

Local Sections x 4611
olsa@acs.org

Meetings, national x 4374
www.acs.org/meetings
nationalmeetings@acs.org

Meetings, regional x 6129
www.acs.org/regionalmeetings

Membership
(800) 333-9511
service@acs.org

Records and accounts
(800) 333-9511

Secretary x 4461
secretary@acs.org

ACS Committee on Minority Affairs (CMA)

Ann Kimble-Hill, Ph.D., Chair

The ACS Committee on Minority Affairs (CMA) continues to work towards dynamic ACS national meeting programming and advocating for under-represented chemical scientists within ACS and the chemical enterprise at large. To that end, we are happy to invite your attention to our fall programming efforts:

- Tues., Aug. 27 (Hilton Bayfront), CMA is co-sponsoring a symposium with the Computers in Chemistry (COMP) technical division entitled “Elucidating Reaction Mechanisms with Computational and Experimental Chemistry”;
- Sun., Aug. 25 & Tues., Aug. 27 (Convention Center), CMA is co-sponsoring a symposium with the Environmental Chemistry (ENVR) technical division entitled “Water, Health, and Environmental Justice in Marginalized Communities”.

We also invite you to hear our luncheon speaker on Monday, August 26. Dr. Luisa Whittaker-Brooks is an Assistant Professor in inorganic/materials chemistry at the University of Utah. She has won several awards for her work including the L'Oreal USA for Women in Science Postdoctoral Fellowship, MRS Gold Award, and the Fulbright Fellowship. Her research addresses important challenges related to the understanding of the relationships among the composition, structure, electronic structure, and properties of inorganic and organic nanomaterials, as well as their composites. Her work encompasses three different directions in the areas of materials chemistry and nanotechnology: synthetic inorganic-organic chemistry, spectroscopy, and nanofabrication of functional devices. Her talk will surround her research on two of the greatest challenges of our time: energy beyond fossil fuel and environ-

ment and low cost electronics for daily use applications.

CMA is also embracing the “train a trainer model” where we will continue our educational efforts to advance the ACS core value of “diversity and inclusion”. As such, we will be able to provide society wide support to implement best practices aligned with the ACS goals towards member education, empowerment, support, and communication. We take this opportunity to expose the membership to two terms that our fall workshop will highlight: equality and equity.

- *Equality*, is a complex term as we often use it in a scientific or mathematical frame of reference as practitioners in our respective sectors of the chemistry enterprise. However, in more broad terms, it has political, economic, and social implications. When we use the term, it suggests that we are comparing identical entities with respect to some stated attributes. But when we consider our various backgrounds and experiences, we all have developed very specific biological, emotional, scientific, and historical attributes that cause us to never to be equal to one another in all attributes.
- *Equity* is a term that gives a better platform for discussing the remedy to those inequalities of experience. Historical biases have plagued our communities, causing unequal ethnic and gender representation in many levels of education and science. While we highlight chemists like Percy Julian, Rosalind Franklin, Marie Daley, and St. Elmo Brady; we diminish their accomplishments if it isn't done so within the context of the educational and occupational inequities they experienced. Many of these inequities still persist and are currently experienced by our fellow members. Therefore, CMA continues to seek

partnerships to remedy the barriers to diverse representation in societal programming and education efforts. However, inequalities are not just resigned to race/ethnicity and gender. CMA also reminds the society, both nationally and locally, of its responsibility to pro-actively remove the hurdles that could make our conferences, meetings, and activities an unequal experience for our members with disabilities. We highly encourage you to refer to “*A Guide to Planning Accessible Meetings*” (<https://www.adahospitality.org/accessible-meetings-events-conferences-guide/book>) as a strategic part of your future pro-active planning for equitable environments. As a general practice, we encourage conversations with persons that have those specific unequal experiences to find equitable solutions that best fit their needs.

As we prepare for the National Meeting in San Diego, CMA has been troubled by the backlash that has arisen from our general membership towards strategic moves from the various affinity committees to create a more equitable, inclusive, and welcoming environment. The rhetoric and discord being displayed on the U.S. national platforms has also been experienced within our ranks. From that concern, we applaud the recent addition of ‘respect’ to the Society’s core value of “diversity and inclusion”. Respect must be the prevailing value that provides the framework to carrying out our mission and vision. As ACS takes the lead with this stance, it will empower our membership to do so in the chemistry enterprise at large.

We encourage everyone to be involved in the solutions discussion on Facebook (ACS.CMA), twitter (@chemdiversity), or our webpage blog (www.chemdiversity.org).

See you in San Diego!

News from the Younger Chemists Committee

Matthew Grandbois, Chair

The Younger Chemists Committee (YCC) is motivated to create a world where younger leaders are transforming the world through chemistry. This passionate group of undergraduates, graduate students, post-doctoral scholars, and early career chemists advocate for, develop, and support rising chemists to positively impact their careers, the ACS, and the future of chemistry. Through inclusive dialogue, we continue to build partnerships within the Society and with our international colleagues to create communities where younger chemists feel welcome to pursue their scientific interests in the company of like-minded scholars. We hope that you join us in developing younger chemists everywhere to be the leaders of tomorrow.

Upcoming Programming for 258th ACS Meeting

The YCC has another great, collaborative program in store for the National ACS Meeting to be held in San Diego on August 25-28. We hope our program will provide an enjoyable and impactful experience for chemists of all ages in attendance.

On Sunday, August 25 the YCC will hold an open committee meeting from 10 am -12 pm in the Hilton San Diego Bayfront, Indigo Ballroom D. All visitors are welcome to join us to learn about the myriad of activities that we are working on, as well as share pertinent information with the YCC so that we can continue to collaborate at the local, regional, and national levels. We hope that you can join us to share news from your Divisions, Committees, and Local Sections. Later that afternoon, the YCC, in collaboration with the International Activities

Committee, will be hosting a special symposium to honor the many chemists selected to be part of the International Periodic Table of Younger Chemists. Several of these featured “Elements” will be sharing their research and perspectives on the chemical enterprise in the Hilton San Diego Bayfront, Sapphire Ballroom MN from 2-4pm.

The YCC is also collaborating with the Senior Chemists Committee (SCC) to host a “Networking with Chemical Professionals” event at the Marriott Marquis San Diego Marina foyer from 2:00 - 3:30 pm to provide undergraduates a chance to build relationships and gain valuable insight into the chemical professional from experienced chemists, all while simultaneously enjoying an ice-cold gelato. If you would like to contribute your time and knowledge as an experienced chemical professional, please contact our SCC collaborators at seniorchemists@acs.org expressing your interest to volunteer during the event. This is a great opportunity to develop informal mentorships within our scientific community. Later that evening, the YCC will be holding its traditional Pop-Up Bar Social at the Thorn Brewery Co. from 7-9 pm, where younger chemists are encouraged to attend and socialize amongst themselves to build relationships that will last a lifetime.

On Monday, August 26, the YCC will be holding our ever-popular “YCC Fun Run” with gracious support from our sponsor, DuPont. This event is a great way to kick-off the day before heading to the convention center to learn about the latest and greatest chemical advances from the many conference attendees. Registered runners will be meeting in front

of the San Diego Convention Center main entrance at 6:45 am before heading out in different groups based on their desired pace. Please feel free to join us for a fun run (or walk) along the beach!

We will be co-hosting a symposium with the Division of Agriculture & Food Chemistry on “The Chemistry of Aged Beer & Spirits” on Monday morning in the San Diego Convention Center, Room 31C from 8 am-12 pm where later that afternoon, registered guests will head to a special tour of Quantum Brewing to learn more about this topic during a hands-on tasting session. Also on Monday morning, we will be hosting a collaborative panel discussion with PROF on “How to get your first industrial job” in the Hilton San Diego Bayfront, Sapphire Ballroom MN starting at 10am.

We will be wrapping up our program on Tuesday, August 27, when we will be hosting, in collaboration with the Committee on Environmental Improvement and the Division of Environmental Chemistry, an additional panel discussion on “Going with the Flow of Water: Career Paths & Journeys”. Several invited speakers will share their insights on the exciting world of water chemistry and its potential for the future. Please join us at the Hilton San Diego Bayfront, Indigo 206 ballroom starting at 10 am.

Please keep an eye out for more information and notifications the YCC will be sending out through our Facebook ([ycc.acs](https://www.facebook.com/ycc.acs)), Twitter ([@ycc_acs](https://twitter.com/ycc_acs)), and [LinkedIn](https://www.linkedin.com/company/ycc-acs) social media accounts throughout the meeting. Additionally, please check out our newly redesigned website (<https://acsycc.org/>). And in the words of Ron Burgundy, *You stay classy, San Diego!*



Audience Response System / Electronic Voting at Council Meeting

At the ACS Council Meeting in San Diego, Councilors will again be using a hand-held audience response system for several items:

- testing the system
- balloting for Elected Committees
- an interactive portion during the Council Policy Committee oral report
- other votes when necessary

As usual, there will be the always popular hands-on demonstration prior to the elections.

A numbered ‘clicker’ will be issued to each voting Councilor at the Council check in. The clickers will be collected after voting is completed.

**So please:
do not try this at home!**

There is a \$100 fine for each clicker not returned!

What are we voting on at Council in San Diego??

The Council agenda for San Diego contains items for ACTION. They are abstracted below, with corresponding page numbers from the agenda. For details, please refer to the full Council Agenda that was distributed July 17, 2019. It is available on the Council portion of the ACS Governance page:

<https://www.acs.org/content/acs/en/about/governance/councilors.html>

AGENDA

<u>ITEM</u>	<u>PAGES</u>
III. NOMINATIONS AND ELECTIONS	
FOR COUNCIL ACTION	
A. Election to Council Policy Committee (attached)	16-24
B. Election to Committee on Committees (attached)	25-33
C. Election to Committee on Nominations and Elections (attached)	34-43
 V. REPORTS OF ELECTED COMMITTEES OF THE COUNCIL	
B. Committee on Committees (attached)	66
(1) Oral report on current activities	
FOR COUNCIL ACTION ⇒ (2) Recommendation for continuation of selected committees (oral)	
(3) Recognition of service (attached and oral).....	67-69
C. Committee on Nominations and Elections (attached).....	70
(1) Oral report on current activities	
FOR COUNCIL ACTION ⇒ (2) Realignment of electoral districts (attached).....	71
 VII. REPORTS OF COUNCIL STANDING COMMITTEES	
A. Committee on Economic and Professional Affairs (attached)	76-77
(1) Oral report on current activities	
FOR COUNCIL ACTION ⇒ (2) Approval of "The Chemical Professional's Code of Conduct" (attached)	78-81

Seating Arrangements for Councilors Requiring Assistance

There are two areas on the Council floor reserved for Council members needing special assistance:

- **Wheelchair Access.** Located as soon as you pass through security on Council floor – there are tables without chairs available at the rear of each section of chairs.
- **Captioning.** Located at the front of Council (to the right of the stage), a seating area with screens providing real-time captioning of the proceedings. Captioning will no longer be provided on the main presentation screens.

If you require additional assistance beyond these two options, please contact us as soon as possible at secretary@acs.org or 202-872-4461 so we can research how best to ensure that you have a productive Council meeting.

ACS Councilor Caucuses

Hilton San Diego Bayfront Hotel

Sunday, August 25, 2019

6:00 p.m.	District II	Aqua 310 A/B
	District III	Aqua Salon A/B
	District IV	Aqua Salon E
	District V	Aqua Salon F
	District VI	Aqua Salon D

Tuesday, August 27, 2019

4:00 p.m.	Division Officers and Councilors	Indigo Ballroom C
5:30 p.m.	District I	Aqua Salon A/B



A MEET & TREAT EVENT COME JOIN US!

NETWORKING WITH CHEMISTRY PROFESSIONALS

Sponsored by the American Chemical Society
Senior Chemists & Younger Chemists Committees
ACS 2019 National Meeting in San Diego, CA



Sunday, August 25, 2019
2:00-3:30 p.m.
Marriott Marquis
San Diego Marina Hotel
San Diego Ballroom Foyer

Professionals in industry, academia, government,
small businesses, and non-profit, please join us.

Share your expertise and experiences with undergraduates and
younger chemists, and enjoy a frozen treat with us
as part of our thanks for your participation !

If you would like to participate, please send an email to seniorchemists@acs.org.

Project SEED is Launching its First Community Building Event at the San Diego National Meeting!

Please join us during our open meeting on Sunday, August 25th at the Hilton San Diego Bayfront, Aqua 314 from 9:00 am – 10:30 am. During this session, we invite current Project SEED mentors and coordinators to share what works well at their sites, what doesn't, and provide information for those interested in starting a Project SEED site as a coordinator, or how to connect with an existing coordinator to become a mentor and host a high school student in your lab. The goal is to host similar community building events at each national meeting, so that we can meet with mentors and coordinators in the area and form a vibrant network between sites. Please join us!

Senior Chemists Breakfast



Tuesday, August 27 at 7:30 a.m., we will have the Senior Chemists Breakfast during the ACS National Meeting in San Diego, CA at the Hilton San Diego Bayfront, Indigo Ballroom AE. The keynote speaker will be Dr. Ralph Keeling, *Professor of Geochemistry at the Scripps Institution of Oceanography in LaJolla, CA*. His talk, "Let CO₂ Levels Do the Talking", focuses on the merit of framing the climate discussion around the buildup of CO₂ and its control. A clear understanding of what is happening with CO₂ is a useful starting point for appreciating what will be required to get the climate problem under control. Ralph is the son of Charles Keeling, the creator of the famous Keeling Curve. Tickets (\$20) are available with [ACS registration](#).



STRATEGY CAFÉ OPEN TO ALL ACS COUNCILORS

Connect with other leaders and share thoughts on
CHANGE DRIVERS
that impact the strategic direction of the Society!



Tuesday, August 27
Hilton San Diego Bayfront Hotel
Indigo Ballroom B
5:00 - 6:00 p.m.

RSVP by August 19 to secretary@acs.org

Hosted by the ACS Council Policy Committee



Photo: Gareth Gooch Photography

Bonnie A. Charpentier, Ph.D.
2019 ACS President

ACS Presidential and Cosponsored Symposia & Events

ACS Presidential Symposia & Events

SATURDAY, AUGUST 24, 2019

11:00 AM-2:00 PM

ACS Kids Zone - A Presidential Outreach Event Celebrating the International Year of the Periodic Table

[Sponsored by CCA] Fleet Science Center - 1875 El Prado - San Diego, CA

SUNDAY, AUGUST 25, 2019

5:00 PM-7:00 PM

ACS Chemistry Teachers Reception – Featuring Guest Speaker: Derek Muller (creator of the educational science channel Veritasium on YouTube)

[Sponsored by PRES, ACS ChemClubs, ACS-Hach Programs & AACT] Marriott Marquis San Diego Marina - Marina Ballroom Salon D/E (South Tower - Level 3)

TUESDAY, AUGUST 27, 2019

8:30 AM-5:20 PM

GSSPC – From Oceans to Clouds: The Environmental Chemistry of Water

[Sponsored by CHED and Cosponsored by PRES] Marriott Marquis San Diego Marina - Carlsbad (South Tower - Level 3)

1:00 PM-5:20 PM

Chemistry of Disasters

[Sponsored by PRES and Cosponsored by AGFD, BIOL, BMGT, CARB, CHAS, CINF, COLL, COMP, COMSCI, CTA, ENVR, I&EC, MPPG, POLY, SCHB & YCC] San Diego Convention Center - Room 5A (Upper Level)

1:30 PM-5:30 PM

Collaborating for the Greater Good: What works and what doesn't

[Sponsored by BMGT and Cosponsored by PRES, AGFD, BIOL, CARB, CHAS, CHED, CINF, COLL, COMP, CTA, ENVR, I&EC, MPPG, POLY, SCHB & YCC] San Diego Convention Center - Room 29B (Upper Level)

WEDNESDAY, AUGUST 28, 2019

1:00 PM-4:30 PM

Keeping Water Safe

[Sponsored by I&EC and Cosponsored by PRES & CHAS] Marriott Marquis San Diego Marina - La Costa (South Tower - Level 4)

Recommended and Cosponsored Symposia by the ACS President

SUNDAY, AUGUST 25, 2019

8:00 AM-4:40 PM

Characterization of Plastics in Aquatic Environments

[Sponsored by POLY and Cosponsored by PRES, ANYL, BIOL, CEI, ENVR, I&EC & PMSE] Grand Hyatt San Diego - Mission Beach A/B (Third Level)

8:25 AM-5:15 PM

Chemistry of Water Reuse Processes toward Water Sustainability

[Sponsored by ENVR and Cosponsored by PRES & AGRO] San Diego Convention Center - Room 28D (Upper Level)

1:10 PM-4:30 PM

150 Years of the Periodic Table

[Sponsored by HIST and Cosponsored by PRES, CINF & INOR] Marriott Marquis San Diego Marina - Coronado Room (South Tower - Level 4)

3:00 PM-5:00 PM

Chemistry & Water: Opening Session

[Sponsored by MPPG and Cosponsored by PRES & ENVR] San Diego Convention Center - 6AB (Upper Level)

MONDAY, AUGUST 26, 2019

8:00 AM-4:35 PM

Chemistry of Water Reuse Processes toward Water Sustainability

[Sponsored by ENVR and Cosponsored by PRES & AGRO] San Diego Convention Center - Room 28D (Upper Level)

8:25 AM-11:30 AM

When Chemists Go to Washington: 45 Years of the ACS Public Policy Fellowships

[Sponsored by PROF and Cosponsored by PRES & SCHB] Hilton San Diego Bayfront - Indigo 202B (Level 2)

8:40 AM-5:00 PM

150 Years of the Periodic Table

[Sponsored by HIST and Cosponsored by PRES, CINF & INOR] Marriott Marquis San Diego Marina - Coronado Room (South Tower - Level 4)

1:00 PM-5:00 PM

Water Scarcity: Challenges for Agriculture

[Sponsored by AGRO and Cosponsored by PRES & ENVR] San Diego Convention Center - Ballroom 20CD Theater 3 (Upper Level)

1:30 PM-5:20 PM

Leadership Development – the ACS Commitment Now and for the Future

[Sponsored by BMGT and Cosponsored by PRES] San Diego Convention Center - Room 29D (Upper Level)

TUESDAY, AUGUST 27, 2019

8:00 AM-10:50 AM

Connecting Safety, Education, Training & Productivity in Analytical Labs

[Sponsored by ANYL and Cosponsored by PRES, CCS, CHAS & CINF] Marriott Marquis San Diego Marina - Torrey Pines 2 (Lobby Level)

8:15 AM-12:00 PM

Chemistry of Water Reuse Processes toward Water Sustainability

[Sponsored by ENVR and Cosponsored by PRES & AGRO] San Diego Convention Center - Room 28D (Upper Level)

THURSDAY, AUGUST 29, 2019

9:00 AM-1:00 PM

Remediation of Wastewater from Energy Usage

[Sponsored by ENFL and Cosponsored by PRES] San Diego Convention Center - Room 25A (Upper Level)



ACS Fellows Program

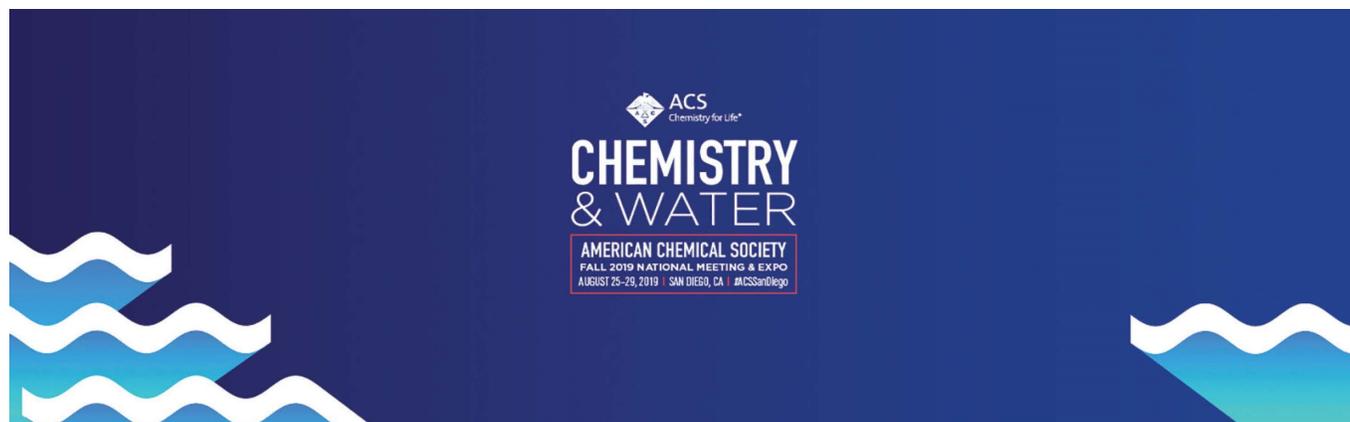
Congratulations, Councilors!

Eighteen Councilors, listed below, were selected to the **2019 Class of ACS Fellows**. They are being recognized for their outstanding achievements in and contributions to science, the profession, and the Society. The complete list of 2019 ACS Fellows and more information about the ACS Fellows Program can be found at www.acs.org/fellows.

Michael C. Qian	Agricultural & Food Chemistry (AGFD)
Sheila M. Murphy	Cellulose and Renewable Materials (CELL)
Gary Don Anderson	Central Ohio Valley
Sherine O. Obare	Environmental Chemistry (ENVR)
Holly L. Davis	Georgia
Beth A. Lorschach	Indiana
Glenn A. Fugate	Industrial & Engineering Chemistry (I&EC)
Silvia Ronco	Inorganic Chemistry (INOR)
Jane V. Aldrich	Medicinal Chemistry (MEDI)
Frank Romano	New York
Jacqueline Ann Erickson	North Jersey
Graham F. Peaslee	Nuclear Chemistry & Technology (NUCL)
Craig B. Fryhle	Puget Sound
George H. Fisher	South Florida
Milagros Delgado	South Florida
Gregory A. Caputo	South Jersey
Brian B. Brady	Southern California
James Joseph O'Brien	St. Louis

Committee on Public Relations and Communications (CPRC) Seeks Nominees for Helen M. Free Award for Public Outreach Award

Do you know a chemist who is outstanding in the area of public outreach, successfully communicating and increasing the visibility of chemistry? Why not nominate them for the Helen M. Free Award for Public Outreach (<https://www.acs.org/content/acs/en/funding-and-awards/awards/other/public/helenmfreeawardforpublicoutreach.html>) or the James T. Grady-James H. Stack Award for Interpreting Chemistry for the Public (<https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic/james-t-grady-james-h-stack-award-for-interpreting-chemistry-for-the-public.html>). The award recognizes the effective work of our fellow communicators and highlights examples of successes that can inspire us and inform our communication efforts. As a committee, we encourage nominations for both of these awards. For the Helen M. Free Award, candidates can self-nominate for the award and nominations can be resubmitted every three years. Nomination for the next award cycle are due on February 1, 2020. For the Grady Stack Award, candidates should be nominated through the ACS online national award process (<https://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>). This year's deadline is November 1, 2019.



ACS BOARD OF DIRECTORS REGULAR MEETING

Join us for a discussion of critical leadership skills needed to succeed in the chemical enterprise from a diverse panel of leaders in industry, academia, and government. Following the panel discussion, there will be a special cake-cutting in celebration of the 10 Year Anniversary and success of the ACS Leadership Development System®.

Presented by:



Dr. Allison A. Campbell & Dr. Wayne E. Jones, Jr.
Co-Chairs, Next Generation Professional Development Task Force

SUNDAY, AUGUST 25, 2019 ▪ **NOON – 1:00 P.M.**
SAN DIEGO CONVENTION CENTER ▪ **ROOM 6AB [UPPER LEVEL]**

Doors Open at 11:45 a.m.
Sandwiches and soft drinks while supplies last.



TOWN HALL MEETING

CANDIDATES for

DIRECTOR-AT-LARGE, 2020-2022



HARMON B. ABRAHAMSON



G. BRYAN BALAZS



D. RICHARD COBB



DOROTHY J. PHILLIPS

Sunday, August 25, 2019

4:30 - 5:30 PM

Sapphire Ballroom C/D

Hilton San Diego Bayfront Hotel

Questions may be submitted in advance to nomelect@acs.org

Sponsored by the

COMMITTEE ON NOMINATIONS AND ELECTIONS

The use of any device to capture images or sound or to stream, upload or rebroadcast speakers at this Town Hall Meeting is strictly prohibited without express written consent from the ACS. The use of assistive devices for special needs is permitted.



MEET THE CANDIDATES for ACS PRESIDENT-ELECT 2020



H. N. CHENG



CAROL A. DUANE

Monday, August 26, 2019

1:00 - 4:00 PM

Located near the ACS Booth

ACS EXPOSITION

San Diego Convention Center

Exhibit Halls D&E

Sponsored by the

COMMITTEE ON NOMINATIONS AND ELECTIONS



ACS STRATEGIC PLAN*

Vision

Improving people's lives through the transforming power of chemistry

Mission

Advancing the broader chemistry enterprise and its practitioners for the benefit of Earth and its people

Core Values

-  Passion for Chemistry and the Global Chemistry Enterprise
-  Focus on Members
-  Professionalism, Safety, and Ethics
-  Diversity, Inclusion, and Respect

Goals



By the Numbers

GOAL 1

Provide Information Solutions

GOAL 2

Empower Members and Member Communities

GOAL 3

Support Excellence in Education

GOAL 4

Communicate Chemistry's Value

-  23 international chemical sciences chapters, 32 technical divisions, 185 U.S. local sections
-  50+ peer-reviewed journals
-  85 countries (scientists, patent professionals, and business leaders) rely on CAS solutions
-  5,700+ members of American Association of Chemistry Teachers
-  10,900+ economically disadvantaged high school Project SEED participants since 1968
-  150,000+ members worldwide
-  100+M journal articles disseminated annually worldwide
-  144+M unique organic & inorganic substances disclosed in the literature since the early 1800s
-  \$600+M in PRF research grants awarded since 1954

Learn more at strategy.acs.org

*As approved by the ACS Board of Directors, November 30, 2018

