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August 6, 2019

FEATURE

San Diego National Meeting Program Now Available via ACS Meetings & Events Mobile App

Get started today on your itinerary for the [ACS Fall 2019 National Meeting & Exposition!](#) Join us in San Diego, August 25-29, where we'll explore *Chemistry & Water*.

Available now, the ACS Meetings & Events mobile app will help meeting attendees stay organized in San Diego with up-to-the-minute information and important real-time communications from ACS. Attendees can build a personalized schedule or sync to the Online Planner, bookmark must-see exhibitors, take notes, and navigate the San Diego Convention Center. Social media and networking features allow attendees to connect with colleagues, share photos and experiences, as well as find local places in San Diego.



The Fall 2019 event in the ACS Meetings & Events mobile app is the official meeting program for the ACS Fall 2019 National Meeting & Exposition. [Download the event in the mobile app now](#) and view everything that's currently scheduled for San Diego!

MY ELEMENT



The camera lens is on **tellurium** for today's favorite element story, submitted by **Stephen French**: "I worked for the Eastman Kodak Company in large-scale chemical manufacturing, doing scale-up preparations for chemists in the research laboratories. I received an order to do a scale up preparation of tellurium dioxide..." [read more](#)

What's your favorite element? [Share your story today!](#)



NATIONAL MEETING ACTIVITIES

ACS Board of Directors Meeting in San Diego

The ACS Board of Directors Regular (Open) Session in San Diego will feature a discussion of critical leadership skills needed to succeed in the chemical enterprise from a diverse panel of leaders in industry, academia, and government. The discussion will be facilitated by Dr. Allison A. Campbell



(Past ACS President) and Dr. Wayne E. Jones, Jr., (ACS Board of Directors), Co-Chairs, Next Generation Professional Development Task Force. Following the discussion there will be a special recognition of the 10th Anniversary of the ACS Leadership Development Program. The session will take place on Sunday, August 25, 12:00-1:00 PM, in the San Diego Convention Center, Room 6 A/B (Upper Level). Doors open at 11:45 AM. Sandwiches and soft drinks will be available while supplies last. For more information, contact secretary@acs.org.

2019 Heroes of Chemistry Awards Ceremony



Celebrate the teams of scientists who have developed innovative, commercially successful products that have improved the lives of people worldwide. Don't miss the [ACS Heroes of Chemistry Award Ceremony](#) at the ACS Fall 2019 National Meeting, featuring teams from DuPont; Paratek Pharmaceuticals; Pharmalytics, LLC, an

AbbVie Company; and PPG. The dinner and awards ceremony will be held Sunday, August 25, 7:30-10:00 PM, in the Manchester Grand Hyatt San Diego, Harbor A-C; a reception will precede the dinner, starting at 6:30 PM. The dinner and awards ceremony is a ticketed event, which you can add to your [meeting registration](#) online.

Middle and High School Chemistry Teacher Programs

Enjoy programming focused on middle and high school chemistry education during the [Teacher Day Program](#) on Sunday, August 25. Attendees can expect a robust agenda of sessions such as:



- Growing the Periodic Table: How are elements discovered, verified, and named?
- Teacher's toolbox for lab safety
- Incorporating current nomenclature, terminology, and symbols in high school curriculum
- Using green chemistry to remedy environmental problems

- And much more!

As an exclusive offer, K–12 chemistry teachers can register for the ACS Fall 2019 National Meeting & Expo at a reduced price of \$125 and gain full access to the chemistry teacher day program, the entire ACS meeting and the expo! [Learn more and register today.](#)

Ralph Keeling from Scripps Institution of Oceanography to Speak at Senior Chemists Breakfast



Make plans now to attend the Senior Chemists Breakfast at the ACS National Meeting in San Diego, on Tuesday, August 27, at 7:30 AM, in 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 La Jolla, 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 are \$20.00 each and can be purchased with or added to your [meeting registration](#).

Workshop for STEM Industry Professionals

If you're in the first decade of your STEM industry career, ACS Industry Member Programs is bringing you "[Essential Workplace Skills for STEM Industry Professionals](#)," a panel of four industry all-stars who will share their insights and tips to help you sharpen the four high-demand professional communication and management skills you need to get ahead. Join us on August 27 in San Diego – [learn more and register](#).



Female Students Invited to Women Chemists Committee Luncheon



Are you a female chemistry student who is interested in innovation? We have a ticket for you to the Women Chemists Committee luncheon on Tuesday, August 27, at the ACS Fall 2019 National Meeting & Expo in San Diego. If you're interested, please send an e-mail to WCC@acs.org. Tickets are limited and will be given on a first-come, first-served basis. We hope you'll join us!

ACS CAREER NAVIGATOR

Achieve Your Career Goals at the San Diego National Meeting

As you prepare your schedule for the [ACS Fall 2019 National Meeting & Expo](#) in San Diego, consider adding ACS Career Navigator activities and workshops to your registration:

- Register for [ACS Career Pathways™ Workshops](#), expertly designed courses dedicated to providing career guidance to both up-and-coming and professional chemists, and where you can learn about valuable resources such as [ChemIDP™](#).



- Learn how to avoid misunderstandings and awkward confrontations, how to help your employees and colleagues become more effective, and much more by taking an [ACS Leadership Development System®](#) workshop, free for ACS Members.
- Refresh your skills and branch into new areas of emerging science and advanced applications with an [ACS Professional Education](#) course, taught by industry experts.
- Attend [Career Navigator LIVE!](#) in the Expo Hall to search for jobs, schedule interviews, get a professional headshot, network with potential employers, and meet with [ACS Career Consultants](#) to get personalized job search advice.

Add these activities to your [registration](#) today and give your career a boost!

Chemistry Café – International Business Phrases



Business [buzzwords](#) are becoming more and more commonplace in the office environment. Linguistics experts consider the use of corporate speak as a means to convey rightful inclusion in a social group or organization. This may explain why cliché business jargon has long been a part of workplace culture all over the world. For a glimpse into the office lingo of other countries, check out these [10 international business phrases](#).

Career Corner

Ask an Expert: "Do I really need different résumés for different jobs?"

Matt Greaney, Senior Research Chemist, Clariant

"This is a good question to ask yourself, and I'd say the answer is yes in most cases. Your résumé likely does not need a complete overhaul every time you apply to a different job, but you should definitely ... try and tailor all application materials..." [read more](#)



Patrick Gordon, ACS Career Consultant

"Yes. One should fine tune the résumé to fit the job description..." [read more](#)



Donald Truss, ACS Career Consultant

"YES. The résumé review process typically starts with an HR professional who may not understand your work. This person is responsible for sending your résumé up..." [read more](#)



Kara Allen, Director, Recruitment & University Relations, Aegis Sciences Corporation

"Yes! As someone who has transitioned careers (from a chemist to recruiter), I was open to both types of jobs when I relocated to Nashville. As these were..." [read more](#)



C&EN Jobs - Latest Postings

c&en JOBS

- [R&D Associate - Multimodal Spectroscopy and Redox-active Interfaces | Oak Ridge National Lab | Oak Ridge, TN](#)
- [Tenure-track Position in Analytical Sciences | University of Notre Dame | South Bend, IN](#)
- [Tenure-track Positions in Materials Chemistry | University of Notre Dame | South Bend, IN](#)

- Chemistry Professor, Tenure-Track | College of Saint Benedict/Saint John's University | Saint Joseph, MN

ACS NEWS

U.S. Chemistry Olympiad Team Wins Gold and Silver in France



The U.S. National Chemistry Olympiad program proudly announces the [great performance of the Alpha Mu Team at the 51st International Chemistry Olympiad competition](#), which concluded July 30, 2019, in Paris, France. Yajvan Ravan (Churchill High School, MI), Anton Ni (University High School, CA), and Edward Jin (Arnold O. Beckman High School, CA) earned gold medals, placing 19th, 28th, and 30th, respectively. Albert Liu (North Hollywood High School, CA) earned a silver medal, placing 59th. More than 300 students from 80 countries competed at this year's International Chemistry Olympiad. Congratulations to the members and mentors of Team USA for this outstanding achievement!

Free Webinar on August 8: Gene-Editing Therapies

How may cell therapeutics offer cures for untreatable diseases? Join [Rodney Ho](#) of the TLC- ART Program at the University of Washington and [Venkat Krishnamurthy](#) of AstraZeneca for "Transformation of Recombinant Cells to FDA Approved Products: Clinical Development to



[Marketplace](#)," Thursday, August 8 (new broadcast date), 2:00-3:00 PM ET. They will discuss how the therapeutic use of recombinant T-cells expressing chimeric antigen receptor can provide the opportunity to create precise and personalized medicines.

What You Will Learn

- What is chimeric antigen receptor T or CAR-T autologous cell therapeutics, and how they are transformed from research to clinical products
- With a number of products on the market, what are the scientific, regulatory, logistic, and market challenges
- How scientists and experts could, and should, contribute and participate in this evolving and exciting field

Register for the Innovation in Materials Science & Technology Symposium



You have the opportunity to present your science alongside world-renowned scientists at the ACS Publications Symposium, "Innovation in Materials Science & Technology," to be held November 17-19, 2019, in Singapore! The symposium will feature three days of scientific lectures, opportunities to network with editors from across nine ACS Publications journals, and an exciting poster session. [Register early](#) to qualify for a discounted registration fee and to receive ACS membership! Early registration ends August 31, and abstracts will be accepted through September 17.

Thank You to ACS Fellows Who are Also Generous ACS Donors

Congratulations to the 2019 class of [ACS Fellows](#) who will be honored for their outstanding achievements in and contributions to science, the profession, and the Society during the ACS national meeting in San Diego. Several of this year's fellows have given generously to ACS educational programs. We thank them for partnering with ACS to promote science literacy and inspire and educate the next generation of scientists and citizens. We invite you to join them in supporting programs like [Project SEED](#), [ACS Scholars](#), the [Advancing Chemistry Teaching](#) initiative, and the [Science Coaches](#) program. To donate, please visit www.acs.org/donate.



150 Years of the Periodic Table, One Very Special Blanket



ACS is commemorating the International Year of the Periodic Table of the Chemical Elements with a very special [2019 Member-Get-a-Member blanket](#). Members who successfully participate in the 2019 MGM Campaign will receive a limited-edition ACS blanket celebrating the 150th anniversary of Dmitri Mendeleev's development of the Periodic System. With the San Diego National Meeting and Expo coming up later this month, what better time and place to recruit new members? There's no limit to how many people you can refer and blankets you can receive, but there is a limited quantity available of this unique blanket, so [start nominating today](#) to be sure that you receive yours! To learn more about the International Year of the Periodic Table, visit www.acs.org/IYPT.

C&EN - This Week's Headlines

- [How the periodic table changed my life](#)
- [Contract research organizations profit from nonprofits' drug-discovery efforts](#)
- [Genentech's R&D chief Michael Varney on the future of drug discovery](#)
- [Palmer amaranth, the king of weeds, cripples new herbicides](#)
- [Career Ladder: Catherine Goffinet](#)
- [From our archives: An essay on antimony, by Nina Ulrich](#)
- [Your guide to the ACS Fall 2019 National Meeting in San Diego](#)
- [Chemistry in Pictures Water Photo Contest winners](#)
- [The many modes of microbial magic](#)
- [Pollution aerosols may not offset warming of the climate](#)
- [What caused a plume of radioactive ruthenium in Europe in 2017?](#)
- [Chemical firms battle soft demand](#)
- [Did biology begin with tiny bubbles?](#)
- [Avara pulls back from pharmaceutical chemicals](#)

PHUN & GAMES

Never Stop Singing the Periodic Table Song!



As our celebration of the [International Year of the Periodic Table of Chemical Elements \(IYPT 2019\)](#) rolls on, we find ourselves compulsively humming "The Periodic Table Song" (updated last year by the stalwart [AsapSCIENCE](#) folks, to include the [four most recently named elements](#)), so we decided to try to rid ourselves of this earworm by sharing it with you. Please, please forgive us. Feel free

to pass along the love to your students, colleagues, and innocent passersby.
And don't forget to [celebrate IYPT 2019!](#)

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