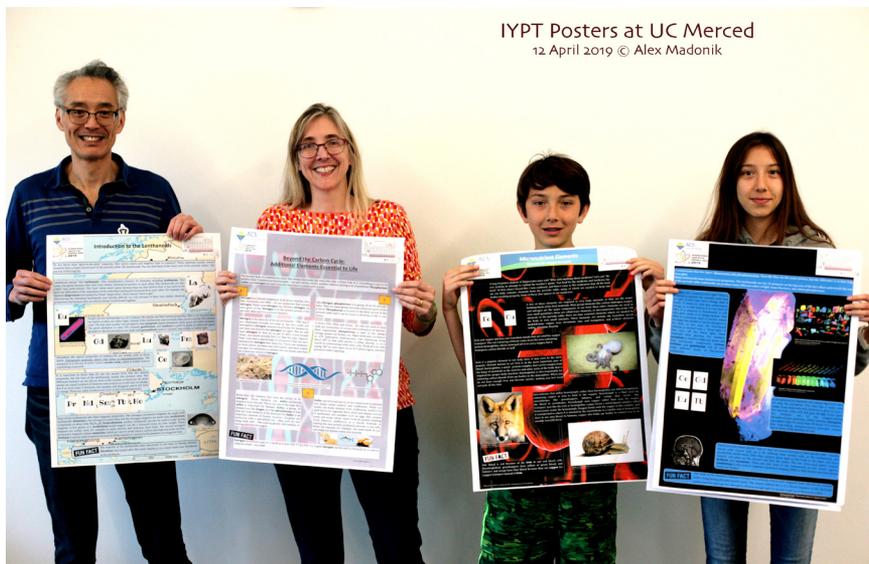


# THE VORTEX

AMERICAN CHEMICAL SOCIETY  
VOLUME LXXXI NUMBER 5

CALIFORNIA SECTION  
MAY 2019



The LiWang Family celebrating *the International Year of the Periodic Table at UC Merced, See page 3 for details.*

MAY AWARD LUNCHEON  
WCC JUNE MEETING  
UC MERCED MEETING REPORT ((E. YAMAGUCHI)  
NATIONAL ACS MEETING REPORT ( M. FRISHBERG)  
4AS,PFOA, & PFOS, PART 5 (B. MOTZER)  
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# Annual Awards Lunch: 50, 60 & 70 Year Members, Walter Petersen Award, Lloyd Ryland High School Teacher And P3 Award

**WHEN:** May 18, 2019 @ 11:30 am – 3:00 pm

**WHERE:** Scott's Seafood Restaurant 1333 N. California Blvd. Walnut Creek

**COST:** \$35

**CONTACT:** Julie Mason 510 351 9922 Email [office@calacs.org](mailto:office@calacs.org)

## California Section American Chemical Society



All are welcome

**Saturday, June 1, 2019**

**Chevron, Energy and Technology  
Center**

**Building 10, Auditorium**

**100 Chevron Way**

**Richmond, CA 94801**

### Title

**Health of Coral Reefs**

### Time

10:30 – 11:00 a.m.

Snacks and coffee,

11:00 a.m.

Discussion and lunch

### Reservation Required

Please register (including lunch or for talk only) by email to [office@calacs.org](mailto:office@calacs.org) or by phone 510.351.9922. If mailing a check in advance, please make payable to: "California Section ACS" and send to Cal Section office, 2950 Merced Street #225, San Leandro, CA 94577, postmarked no later than May 25, 2019.

### Cost

\$15 (\$8 for students and the unemployed)

### Directions

**From I-580 E:** Take the I-580 E to Exit 7 toward I-80E/Richmond Pkwy/Point Richmond. Continue on E Standard Ave. Continue onto E Standard Ave, slight left onto Castro St. Turn left at light toward Gate 14. Parking lot is on the left. Enter through lobby.



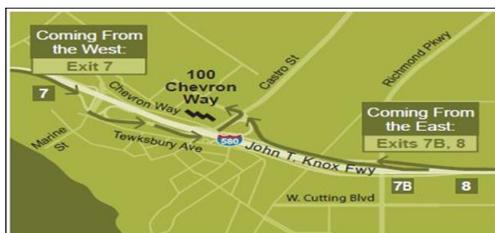
**Dr. Rebecca Albright**

## About the Speaker

Dr. Rebecca Albright is Assistant Curator and McCosker Chair of Aquatic Biology at the California Academy of Sciences in San Francisco. She is a coral reef biologist with expertise in coral reef biology, ecology, and biogeochemistry. Her research focuses on the ability of coral reefs to cope with changing environmental conditions such as ocean acidification and warming. She has worked in academic, government, and non-profit settings and has studied coral reefs around the world, ranging from the Florida Keys to the Great Barrier Reef. She works across scales (ranging from single cell interactions to reef-scale processes) and disciplines (biology, ecology, biogeochemistry) to foster a systems-level understanding of how coral reef ecosystems will fare in today's changing world. In addition to her commitment to research, Rebecca's passion for community engagement has been fostered by years working with non-profits and citizen science organizations that focus on educating communities about coral reef conservation and management.

## Abstract

Already under severe pressure from a number of stressors, including overfishing and pollution, coral reefs are also among the most vulnerable ecosystems to climate change and ocean acidification: We have lost an estimated 50% of the world's coral reefs over the last several decades and are projected to lose more than 90% by 2050. While acute disturbances such as temperature-induced coral bleaching are largely responsible for accelerated reef decline in recent years, chronic disturbances like ocean acidification erode a reef's capacity to recover by slowing growth and reproduction. In this talk, I will introduce ocean acidification and provide an overview of the current status of knowledge regarding the impacts of changing seawater chemistry on various aspects of coral reef biology, ecology, and biogeochemistry.



From I-580 W: Take I-580W/ I-80E towards Berkeley/Sacramento. Use right 2 lanes to take exit 13B for I-580 towards San Rafael/Point Richmond. Continue I-580W to exit 7B towards Richmond Pkwy. Go straight through the light towards Gate 14. Parking lot is on the left. Enter through the lobby.

# THE VORTEX

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## *IYPT (International Year of the Periodic Table) celebration held at UC Merced*

On APRIL 12, 2019, UC Merced students and faculty, CSU Stanislaus ACS student chapter members, and CA Section ACS members from the Berkeley area celebrated the IYPT with 33 posters developed by past ACS President, Dr. Attila Pavlath. These posters are freely available by downloading them from [www.elementsin-yourlife.org](http://www.elementsin-yourlife.org).

Professor Michelle Leslie organized the event at UC Merced. Dr. Elaine Yamaguchi selected the UC Merced campus because it has the largest ACS SEED (Summer Experiences for the Economically Disadvantaged) program of any UC campus, and she discussed the elements in terms of their specific relevancy to the research interests of the approximately 10 faculty members who volunteer as SEED mentors each summer. For example, the SEED mentors doing computer simulations received the posters that discussed Si semiconductors and the doping elements necessary for n- or p-type semiconductors. UC Merced faculty started its SEED program only about 10 years ago, and they have propelled themselves

to the top, so that students in the Central Valley may be exposed to the myriad of research projects carried out in UCM laboratories. Each IYPT attendee--about 50--received an official ACS pocket-sized IYPT table. Dr. Yamaguchi also included examples of her personal experiences with the various elements of the periodic table while attendees followed along using their IYPT periodic tables.

Although we gathered to celebrate the great accomplishment of Russian chemist, Dmitri Mendeleev, in developing the modern Periodic Table in 1869, this event was meant to be fun for all, and young scientists participated too, as seen in the photo. Professors Andy and Patricia LiWang plan to take their posters, which deal with elements important to the chemistry of life, to their children's schools. Periodic Table cake, with all 118 elements, was enjoyed by all. Dr. Yamaguchi wanted to inspire students from the Central Valley to study chemistry, just as she did, starting from Fresno, CA, which is another CA Section SEED location.



## REPORT FROM THE ACS NATIONAL MEETING

*Orlando, FL - March 31-April 4,  
2019*

The ACS returned to Orlando for the first time since 1996. Members were greeted by very pleasant weather, and no rain for the entire meeting. This was likely a welcome respite for those attendees from most of the country who had been enduring multiple snow storms and floods throughout March. It was fortunate that the weather held, as the meeting locations were very spread out in Orlando and the large hotels were not very convenient to the West Convention Center where most of the technical sessions, the Exhibition and Career Fair were held. The governance hotel, the Hilton, was connected to the Convention Center via walkways through the North/South Convention Center building but it was about a half mile distance from the Hilton to the West Convention Center, which prompted the addition of a shuttle bus stop. Since ACS National meeting host cities are usually contracted ten or so years in advance, it is always a challenge to guess what changes might occur in the interim. As with Anaheim several years ago, once again the ACS shared some of the hotels with the Annual High School Cheerleaders competition, providing an interesting and obvious contrast between our two groups.

Prior to the start of the ACS meeting, a Presidential Public Outreach event: Exploring Our World Through Chemistry, was held at the Orlando Science Center. This event featured ten hands-on activities for the 340 children and their parents who attended. CALACS Alternate Councilor Alex Madonik, who is on the organizing committee for these events, and Councilor Sheila Kanodia, who leads CALACS' Earth Day event, were also in attendance.

CALACS member and Past President of the ACS, Dr. Attila Pavlath, received the ACS sponsored Charles Lathrop Parsons Award for long time service to the Society at a special event in his honor on Sunday morning and shared with the audience his

views on the importance of engaging the public and promoting chemistry.

The overall theme of the Orlando meeting was "Chemistry for New Frontiers." Presidential Symposia were on the topics of "The Chemistry of Disasters" and "Bridging the (Safety) Gap Between Academia & Industry." The Chemistry of Disasters Symposium was focused on floods and hurricanes with excellent talks by Dr. Kristen Kulanowski, head of the U.S. Chemical Safety Board, on the Arkema fire following the Hurricane Harvey flooding in Houston in 2017. Also, Dr. Ingrid Montes (ACS Board member), Univ. of Puerto Rico, related the tragedy and recovery of that island and the university.

Other notable symposia included the two-part "Third ACS NASA Symposium: Chemistry for Humanity's Next Giant Leap" on Monday and Tuesday, and the Younger Chemists Committee continued its five consecutive meeting scheduling of a half-day symposium covering research related to space travel.

The ACS Board of Directors continued its recent practice of having an invited speaker during their open meeting at noon on Sunday, this time with a special discussion on workforce immigration and its relationship to the US economy, innovation, and global competitiveness presented by Dr. Susan Butts of the Council Committee on Public Affairs.

The popular Kavli Foundation Lecture series continued on Monday afternoon, with the Emerging Leader Lecture given by Professor Trisha Andrew of the University of Massachusetts, Amherst, "Sensing Human Behavior with Smart Garments," and the main Innovations in Chemistry lecture given by Professor Samuel Kounaves of Tufts University, "The Chemistry of Finding Extraterrestrial Life."

Several events reminded attendees that 2019 is the United Nations declared International Year of the Periodic Table (IYPT2019), including the Chemistry Teachers' Program on Sunday on the geography of the Periodic Table presented by

(Continued on page 7)



## PFAS: PFOA, and PFOS (Part 5)

Bill Motzer Perfluoroalkylated substances (PFAS), a large and diverse group of manufactured fluorinated compounds, were frequently used as surfactants in industrial, consumer, military, and firefighting applications. Their use in Aqueous Film Forming Foam (AFFF) firefighting products and pesticides resulted in surface water and groundwater contamination that may impact drinking water supplies. Because PFOA and PFOS are particularly resistant to degradation and could pose human health risks, they are now considered to be emerging surface and groundwater chemicals or contaminants of emerging concern (CEC) and therefore are subject to federal and state regulations governing drinking water standards.

Because PFOA and PFOS are particularly resistant to degradation and could pose human health risks, they are now considered to be emerging surface and groundwater chemicals or contaminants of emerging concern (CEC) and therefore are subject to federal and state regulations governing drinking water standards.

### Current Federal Regulations

In 2016, the U.S. Environmental Protection Agency (U.S. EPA) had established a drinking water health advisory of 70 ng/L or parts per trillion (ppt) for individual or combined PFOA and PFOS. In May 2018, because of widespread concern of PFAS contamination by several states and drinking water suppliers, the U.S. EPA convened a meeting to discuss possible regulatory action for PFAS. The meeting's purpose was to establish a drinking water maximum contaminant level (MCL) for PFOA and PFOS. Additionally, PFOA and PFOS were to be classified as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA, aka "Superfund") to ultimately develop groundwater cleanup levels and to guide remediation of PFAS-contaminated sites. Public forums, to develop a national PFAS management plan, were held in Colorado, Kansas, Michigan, New Hampshire, North Carolina, and

Pennsylvania that have communities most affected by PFAS contamination.

### Possible Federal and State Legislation and Regulations

In October 2018, Congress passed the Federal Aviation Administration (FAA) Reauthorization Act, allowing discontinuation of PFAS in AFFF. Based on U.S. EPA recommendations, Congress is currently preparing legislation that would require the U.S. EPA to establish PFOA and PFAS MCLs within a year of passage. A second bill would require the U.S. EPA to designate all PFAS as hazardous substances; this would shift clean-up cost liability from the public to polluters.

In Michigan, waste water treatment plants must achieve a level of less than (<) 12 ng/L for PFOS if treated waste water is discharged to a non-drinking water source, and <11 ng/L PFOS if treated water is discharged to a drinking water source. New

Hampshire has proposed an MCL of 85 ng/L for PFAS. New York has proposed an MCL of 10 ng/L for PFOA and 10 ng/L for PFOS.

In November 2017, California's Office of Environmental Health Hazard Assessment (OEHHA) listed PFOA and PFOS as chemicals known to the state to cause reproductive toxicity as required by the State's Safe Drinking Water and Toxic Enforcement Act of 1986 (aka Proposition 65). In June 2018, OEHHA recommended interim drinking water notification levels (NLs) of 14 ng/L for PFOA. Establishment of these levels were based on liver toxicity and cancer risks. A NL of 13 ng/L was also established for PFOS, based on immuno-toxicity. By September 2018, PFOS and PFOA were also being considered as CEC to the SWRCB's Recycled Water Policy. Therefore, based on OEHHA's recommendations, the SWRCB's Division of Drinking Water (DDW) recently set interim

#### Editor's note

The Editor apologizes to Bill Motzer, and our readers for the duplicate placement of the Motzer's article PFAS: PFOA, and PFOS, Part 4 in both the March and April issues.

(continued from page 5)

Drinking Water NL at 14 ng/L for PFOA and 13 ng/L for PFOS. Also, DDW has established an interim Response Level (RL) of 70 ng/L for the total combined PFOA and PFOS concentrations, consistent with the USEPA's health advisory level that was established in 2016.

Most California water systems serving more than 10,000 people have already tested their water for these contaminants under the third round of the U.S. EPA's Unregulated Contaminant Monitoring Rule-3 (UCMR 3). Under the new guidelines, if a water agency

or district analyses exceed the PFOA and PFOS health advisory levels, they are required to notify their governing boards and the SWRCB. The DDW also urges agencies to inform their customers about PFOA and/or PFOS exceedances.

Legislation and regulation will ultimately establish the required PFAS MCLs. However, these are only as accurate as sampling and analysis (previously discussed in part 4 – March 2019 Vortex). Given the sensitivities of PFAS analyses, the dos and don'ts of water sampling will be discussed in the next part.



"Polymers are fundamental to every part of our society, and they have all kinds of amazing properties. This cartoon depicts a merger of chemicals being discussed by two businessmen (at least they look like businessmen since there are vests and ties; no lab coats) to create a polymer. The timing for this cartoon couldn't be more appropriate given the recent merger of Dow and DuPont, two of the oldest and largest polymer companies in the world. Polymers are a great example of this — given all they have done for the world. But then again, DowDuPont merged with the intention to separate into three new entities. Just like chemistry, we may ask, "What will the (perhaps unstable) equilibrium look like?" — Robert Langer, MIT

Professor Carmen Giunta of Lemoyne College, plus many new Periodic Table themed items in the expanded ACS store in the Exhibition area.

### **Report from the Council Meeting and other Society governance activities**

CALACS was represented at Council by our full contingent of eight Councilors and alternate Councilors, our two Past ACS Presidents and current Director-At-Large to the ACS Board. Information on some of the activities of the committees to which they are affiliated can be found below.

The annual inflation-adjusted member dues rate that should have risen from \$175 in 2019 to \$180 in 2020 was held at \$175 at the recommendation of the Committee on Budget and Finance and unanimously passed by Council, pending Board approval. The Advance registration for ACS National meetings will increase from \$505 in 2019 to \$520 in 2020, but is not as high as it could have been by the usual cost of living adjustment, upon recommendation of the Committee on Meetings and Expositions.

Drs. H.N. Cheng and Carol Duane, were selected as the two 2020 President-Elect candidates for the ACS Fall election.

Director-at-Large candidates for the 2020-2022 term are Harmon Abrahamson, Bryan Balazs, Richard Cobb, and Dorothy Phillips.

Several petitions were up for a vote: the primary one, which garnered the most debate was the major revision of the entire ACS Constitution and Bylaws that has been the subject of a major governance review task force over the past few years. The primary change was to extract operational issues and place them in a new section, named Standing Rules, with a concurrent change in the process of revising such Rules from a 2/3rds majority to a simple majority in order to allow a more rapid response when needed, as opposed to the traditional process. A major issue arose from several Councilors who objected to the 80/20 allocation of Local Section/Division Councilors being moved into the Standing Rules section, and after some spirited debate a motion was narrowly passed to move this section back to

its original place, after which the overall petition passed by a recorded vote of 96% to 4%.

The petition for a new International Chapter in Pakistan was approved.

This was Dr. Bonnie Charpentier's (from our neighboring Silicon Valley Local Section) first National Meeting as ACS President and she held a discussion session within the context of the Council meeting on the subject of what the ACS needs to do looking into the future to stay relevant and maintain and grow its membership. All members are invited to contribute their thoughts on this subject directly to Bonnie, [b.charpentier@acs.org](mailto:b.charpentier@acs.org)

Affiliations/comments from our Councilors, Past ACS Presidents, and current Director-At-Large:

**Bryan Balazs** – Society Committee on Budget and Finance (B&F) and Vice Chair; Undergraduate Program Advisory Board (UPAB)

At the B&F meeting in Orlando, Councilor Bryan Balazs was elected as Vice-Chair of the committee, with his first "duty" in this role being to write the resolution to pause the membership dues escalator in 2020.

B&F reviewed the ACS' financial performance for 2018, which continued on a sound footing with revenues of \$571.6M and expenses of \$530.5M. The difference of \$41.1M, referred to by the ACS as "Net from Operations" is more than sufficient to cover investment losses in Q4 of 2018 and charges against the ACS' retirement plan, leaving about \$8M to add to the Society's "Net Unrestricted Assets" (a measure of financial strength). No financial issues are foreseen for 2019/2020 and CAS and Publications are expected to continue to perform very well."

UPAB made final plans for the undergraduate program in Orlando, resolving last minute issues and giving board members their volunteer assignments for the coming days. UPAB also discussed changes to the undergraduate program at the Fall national meetings with much lower student atten-

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dance due to where the meetings lie relative to the academic calendar.

**Michael Cheng** - Project SEED, and its Awareness and Expansion subcommittee

The “50 forward” voluntary contribution campaign in 2018 raised \$2.9 million dollars, which will provide funding for all SEED programs in 2019.

A new Chemiluminary Award may be established to encourage other local sections to establish Project SEED programs.

Several webinars have been developed for training for Project SEED coordinators and mentors, including general organization of programs and how to identify new students.

Several International Project SEED chapters were piloted in 2018 by ACS International activities office, but not yet incorporated into the Project SEED committee’s efforts.

**Mark Frishberg** – Council Policy Committee (CPC), ACS Career Consultant – Career Fair

As a member of CPC, presented the local section portion of the “Responsibilities and Benefits of Councilors and Alternate Councilors” discussion at the New Councilor Orientation Workshop. Continued assignments as a member of two CPC Subcommittees: Long Range Planning and the Subcommittee on Petitions, Constitution & Bylaws.

In ACS Career Fair related activities, the workshops, “Finding Your Path” and “Networking” were presented to standing room attendances (around 75 attendees) for a total of four hours Sunday afternoon, with resume reviews and career discussions for job seekers on Monday and Tuesday afternoons.

**Sheila Kanodia** – Committee on Ethics

The committee will have a strategic planning meeting at the end of May. Efforts are being made to partner with other committees and divisions to co-sponsor symposia on ethics related topics at National and Regional meetings, and to develop materials to provide guidance on ethical issues encountered by ACS mem-

bers.

**Lee Latimer** – Director-At-Large, Western Region Board (WRB) (Past Chair)

The Board reviewed the membership numbers for the society and the programs that have been established thus far to promote membership (including a 20% discount for renewals if done at national meetings and some regional meetings). Significant time was also taken in reports from CAS and Pubs divisions on their future actions and prospects, the latter being critical as these two units make up around 95% of the Society’s revenues.

Two Task Forces have been established by the Board. One is addressing renewal/refresh of the Leadership Development System (LDS) which handles the Leadership Institute and the various courses and workshops as part of LDS’ 10 year anniversary. The other task force is broadly on the Future of Meetings of the Society (national, regional, specialized, etc.), which is co-chaired by Lee Latimer.

Member comments on any aspects of meetings is encouraged and can be sent to [LHLatimer@mindspring.com](mailto:LHLatimer@mindspring.com).

The Western Regional Board met on Wednesday after Council, with all 15 sections represented. The next Regional meeting is in the Fall of 2021 in Tucson by the Southern Arizona Section, formally as a Rocky Mountain Regional meeting, but they are also a member of the WRB. The next apparent Western Regional Meeting will be in the Fall of 2022 in Las Vegas, hosted by the Southern Nevada Section.

**Alex Madonik** – Alternate Councilor – Committee on Community Activities (CCA)

The 2019 NCW Theme team worked to complete its plans for activities and articles for the Celebrating Chemistry Review. An article on the discovery of the elements will be available as an on-line resource.

The 2020 NCW team has chosen that theme: “Glues and Adhesives: Sticking with Chemistry.”

Self-nominations for this year’s Chemiluminary Awards are up from previous

*(Continued on page 9)*

years, as participation in these outreach activities continues to set records.

**Eileen Nottoli** – Local Section Activities Committee (LSAC), Operations and Support Subcommittee

The LSAC Operations and Support Subcommittee is tasked with reviewing annual reports from local sections that have not held any events, had an election, or sent someone to the Annual ACS Leadership Conference. These are often the smaller sections and some with large geographic areas. The subcommittee members are tasked with speaking to the section leadership and brainstorming with ideas to help re-invigorate the local section.

**Attila Pavlath** – International Activities Committee (IAC)

The International Chemical Science Chapters need help to improve their ACS activities. IAC is seeking to create interactions between International Chapters and Local Sections to guide them as mentors. Local Sections could adopt a Chapter as a “Sister-Section”.

At the reception for foreign ACS members, the posters on the celebration of the International Year of the Periodic Table were exhibited. Volunteers were sought to translate them into other languages. The posters are available for downloading at [www.elementsinyourlife.org](http://www.elementsinyourlife.org). Presently, Arabic, Chinese, Portuguese, Turkish and Ukrainian translations are on the webpage.

**James Postma** – first meeting as newly elected Councillor.

**Marinda Wu** – Committee on Budget and Finance (B&F) and Subcommittee on Program Funding Requests, work with International Activities Office (IAO), Board member for Chinese American Chemical Society, ACS Career Consultant – Career Fair

**Elaine Yamaguchi** – Local Section Activities Committee (LSAC) and its Subcommittee on Grants and Awards, and Project SEED.

The LSAC Grants and Awards Subcom-

mittee has been especially busy and is now also involved with the restructuring of the Partners For Progress and Prosperity (P3) award.

The 432 SEED students (348 SEED I and 84 SEED II) participated at 156 worksites in 40 states. Some of the 10 non-participating states were AK, AZ, LA, ND, SD, NE, and WY. Less than half of all local sections have a SEED program.

For the 2019 SEED program, 445 SEED projects were approved: 396 SEED I and 49 SEED II, requiring \$1.4 M for fellowships.

Project SEED will hold a strategic planning retreat later this year with 10 members attending. Recommendations to the Board for an increase in stipends has not yet been approved, pending the Board’s request for additional data to justify it.

**Looking ahead to San Diego – August 25-29, 2019**

The overall meeting theme will be “Chemistry & Water.”

Two Presidential sessions are currently being planned: “Chemistry of Disasters: Earthquakes and Wildfires,” and “Connecting Lab Safety and Green Chemistry Education.”

### **News you might use**

“Chemists celebrate Earth Day” is celebrating its 16th anniversary this year and has been expanded to a week-long event from April 21-27, with the theme “Take Note: The Chemistry of Paper.”

The theme for National Chemistry Week (NCW) in October will be “Marvelous Metals.”

The United Nations has declared 2019 as the International Year of the Periodic Table.

The Divisional Activities Committee (DAC) is now offering new members the opportunity to join three Divisions at no charge in their first year of ACS membership. DAC sponsored the “Divisions Row” in the Monday evening Sci-Mix reception, with 17 Divisions taking part to promote membership. DAC approved 9 individual project grants (IPGs) for a total of \$59,904.

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Abstracts of the papers and posters presented at the meeting are archived at [www.acs.org](http://www.acs.org), and those plenary and symposium presentations that were recorded, with sequenced slides, can be found at [www.acs.org/meetingcontent](http://www.acs.org/meetingcontent).

Any members interested in the latest ACS financial performance can look at [www.acs.org](http://www.acs.org), click on the "About ACS" tab and then "ACS Financial Information."

Information regarding grants offered by all ACS committees can be found at [www.acs.org/getinvolved](http://www.acs.org/getinvolved). Highlights of National ACS activities can be found at [www.acs.org/acshighlights](http://www.acs.org/acshighlights).

### Interesting Statistics

Attendance at the Orlando meeting as of Wednesday morning, April 3rd was 15,605, including 7887 regular attendees, 6019 students, and 869 exhibitors. The number of oral presentations and posters was 12,280.

The ACS Career Fair had 524 job seekers,

and 35 employers offering 119 positions. Multiple career workshops were presented to a total of 1391 attendees, along with 673 resume reviews and career discussions.

ACS membership as of the end of 2018 experienced its first increase in ten years and is 151,012, including International members. The Membership Affairs Committee (MAC) continues to experiment with several discount dues categories in order to try to improve member retention. Council approved the continuation of discounted dues offered to international members set by income adjustments using a World Bank cost-of-living formula.

ACS student membership ended 2018 at 18,457, down slightly from 2017, with 521 active chapters (from a total of 1187), with 12 new chapters chartered and 58 international chapters in 25 countries.

There are now 20 International ACS Chapters.

Submitted by Mark Frishberg, CALACS Councilor, with input from others,

### *Report from the Chico Meeting*



The Northern California Subsection of the ACS held a celebration of the International Year of the Periodic Table on Thursday, April 23 on the California State University, Chico campus. On this 150th anniversary of Mendeleev's original table, the focus of the celebration was the elements and the centerpiece of the celebration were the IYPT posters that are installed in the CSUC gallery for the next few months. The audience was mostly

chemists, students and faculty, but there was a scattering of biologists, physicists, and community members. Because the goal of the IYPT celebration is to educate the public on the importance of chemistry to their individual lives, Dr. Jim Postma, chair-elect of the California Section, quizzed the crowd on the elements in order to deputize them for their ambassadorial roles. Prizes of ACS gifts were awarded with many oohs and aahs.



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- <http://www.calacs.org/page.asp?id=22>

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