# Meetings and Events

April 22: Earth Week Event

May 15: Patterson High School Chemistry Awards and Chemist Celebrating Earth Week 2018 Illustrated Poem Contest

# Section News and Other Stuff

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Chemists Celebrate Earth Week

Venue: Boonshoft Museum Of Science and Discovery, 2600 Deweese Parkway, Dayton
Time: Noon to 5 pm
Theme: Dive Into Marine Chemistry

Attractions include hands-on- learning about: the effect of ocean acidification and oil spill on marine life; a sensory bin full of marine themed toys; and ocean-life themed puzzles and crafts. Prizes will be given for participation!

To volunteer, contact Dr. Prakriti Pollack at: ccew@daytonacs.org

Report from Council

My Councilor duties started Sunday morning at a meeting of the Committee on Constitution and By-laws. We finished in time to attend the Town Hall Meeting where nominees for ACS President-Elect took questions from the audience. Luis A. Echegoyen, however, could not attend because he was in Spain for a previous commitment. The other three nominees were Harmon B. Abrahamson, Thomas R. Gilbert, and Mary Virginia Orna. Past President Bill Carroll did a splendid job as MC. Using my patented 5-point system, Thomas Gilbert came out on top, followed closely by Mary Virginia Orna and Harmon B. Abrahamson.

After the Town Hall, it was onto the District-II Caucus. There was discussion about petitions to amend the Society’s Bylaws; one in particular – to allow Committees on Council to elect their own Chairs – received much attention. Sound arguments against the petition were made by a representative of the Committee on Committees (ConC). Although this petition appears to have been written by Councilors who wanted to become Committee Chairs but were not, certain procedures came to light; it seems that every Councilor’s performance is ranked by ConC, although it remains secret!

The total attendance was 16,585 – a record for an ACS Meeting in New Orleans. The Career Fair drew 422 job seekers vying for 26 jobs offered by 15 employers. Needless to say, no employer wanted to interview a 60-year old computational chemist who has been employed only part-time the past three years.

At Council, we heard again from the nominees for ACS President-Elect – Luis Echegoyen by audio link. Council selected Luis Echegoyen and Thomas Gilbert as candidates for 2019 President-Elect (coincidentally, both were previous candidates). These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

The Council approved the Petition on the Composition of Society Committees, which will change the requirement for Councilors on Society Committees from at least two thirds to a majority and remove the requirement that the Chair and Vice-Chair of a Society Committee must be Councilors. By contrast, the Petition for Election of Committee Chairs, which would allow the voting members of all ACS committees to select their own Chairs, failed to gain the approval of Council.

The Council voted on the recommendation of the Committee on Budget and Finance to set the member dues for 2019 at the fully escalated rate of $175. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws. In addition, the proposed formula for allocating dues funds to divisions, recommended by the Committee on Divisional Activities, was recommitted to the committee. Council passed a resolution in memory of ACS Past President Ronald Breslow.

Your faithful Councilor,
Steve Trohalaki
**Patterson High School Chemistry Awards and Chemist Celebrating Earth Week 2018 Illustrated Poem Contest**

Venue: Room 222, John F. Kennedy Memorial Union, University of Dayton
Address: 300 College Park, Dayton, OH 45469
Parking: Visitor Lot, University Circle/L Street or Lot C

**Agenda:**
- 5:30 - 6:15 PM – Social
- 6:15 - 6:30 PM – Awards
- 6:30 - 7:15 PM – Keynote: Dr. Wayne Cook

Originally established by Charles A. Thomas and Carroll A. Hochwalt, former Dayton chemists and Monsanto researchers, the top chemistry students in the area have been recognized under the auspices of the Dayton Section since 1943. In 1990, the family of the late Austin M. Patterson, also a prominent Dayton chemist, assumed sponsorship. All area high school students are invited to take an examination. The ten highest scoring applicants and the highest scorers at each High School are then invited to write essays, which form the basis of the final judging. The top ten finalists, although only two from each school, are also invited to take the Chemistry Olympiad Exam (*). In addition, teachers of the prizewinners receive $50 awards, and the top scoring student from each high school is awarded a plaque. Grading was performed separately for those students who have only taken one year of chemistry. Students from this group (1) who were the highest scorers in their High School will also receive a plaque. The top three essayists are awarded first, second, and third prizes of $1000, $750, and $500, respectively. We will also announce the winners of the Chemist Celebrating Earth Week 2018 Illustrated Poem Contest.

This year’s Patterson Scholars, their High Schools (and their teachers) are:

- Kevin Yin *  
  Centerville High School (Summers)
- Shriya Rangaswamy *  
  Centerville High School (Buddendeck)
- William Zhang  
  Centerville High School (Summers)
- Noor Ali  
  Centerville High School (Summers)
- Samith Venkatesh  
  Centerville High School (Summers)
- Ramzi Elased  
  Centerville High School (Summers)
- William Chan *  
  Beavercreek High School (Rattan)
- Tiffany Huang *  
  Beavercreek High School (Rattan)
- Camille Butkus  
  Centerville High School (Summers)
- Benjamin Thomas  
  Centerville High School (Buddendeck)
- Ethan Knapp *  
  Miamisburg High School (Kludt)
- Jordan Finch (1) *  
  Kettering Fairmont High School (Lewis)
- Stella Joly *  
  Oakwood High School (Rainsberger)
- Grace Bradley *  
  Archbishop Alter High School (Cutcchia)
- Charlie Almoney *  
  Oakwood High School (Rainsberger)
- Jake Kovacs (1) *  
  Anna High School (Quinter)
- Elizabeth Cordonnier  
  Kettering Fairmont High School (Lewis)
- Sierra Williams (1)  
  Anna High School (Quinter)
- Dillon Hiller Freund (1)  
  Springfield High School (Moore)
- Buckley O’Day (1)  
  Oakwood High School (Rainsberger)
- Anna Yang (1)  
  Beavercreek High School (Rattan)
- Joseph Yinser (1)  
  Beavercreek High School (McDaniel)
- John Press (1)  
  Centerville High School (Buddendeck)
- Albert Choi (1)  
  Oakwood High School (Rainsberger)
- Ellen Cheng (1)  
  Centerville High School (Hess)

For a map, go to: https://www.udayton.edu/map/
TechFest 2018 was held on the weekend of February 17-18 on the downtown Dayton campus of Sinclair Community College. Student attendees numbered 2285, but with parents, other adults and non-registered students, the total attendance is estimated to be around 4000. The Dayton Section, which has participated in every TechFest since its inception, was one of the 74 exhibitors that provided hands-on exhibits. Our hands-on demos were Reaction in a Bag; Fluorescence and Sunscreen; Instant Snow; and FerroFluids.

The Dayton Section offers its heartfelt thanks to all our volunteers: Yu Kay Law, Erick Vasquez, Paige Dunham, Carly Barhorst, Anastasie Weaver, Paige Blair, Valerie Peidous, Brittany Hansen, Andrew Hurst, S. Jane Myong, Sarah Crosby, Faith Hensley, Kevin Hur, Ed Seller, Clara Leedy, Lee Raska, Joy Haley, Sinead Zoellner, Baxter Foskuhl, Bill Meathrel, Wayne Cook, Pedro Campos, Ian Cook, Mbeng Taku, Beth Barger, Prakriti Pollack, and Monica Narvaez-Rivas.

Either a chemist is born or this kid just thought of a great prank to pull on his teacher.

In an homage to Frank Zappa, students are warned about yellow snow.

A young chemist wonders what would happen if Aequorea victoria put on sunscreen.

Making Moms happy — it’s what we do.
Annual Poster Session & Patterson College Chemistry Awards

This year’s Poster Session was held at the University of Dayton. Competing for outstanding poster awards were seven graduate students and eleven undergraduates. A total of 21 posters were presented. Two graduate students and two undergraduate students received $100 outstanding poster awards. The Dayton Section owes a sincere debt of thanks to those members who helped judge the student posters: Dr. Garry Crosson, Dr. Jesse Lutz, Dr. Bryan Crable, Dr. James Heckler, Dr. Monica Narvaez-Rivas, and Mr. Sidney Osborn.

**Outstanding Undergraduate Posters:**

- *Mechanistic Determination for di(ferrocenylmethyl)imidazole-2-ylidene)-gold(I)*, Catherine Evers Smith and Clark Jarnagin, Wright State University
- *Liquid Crystalline Polymer Networks Retaining the Blue Phase Over Wide Temperature Ranges*, Maxwell Venetos, Case Western Reserve University

**Outstanding Graduate-Student Posters:**

- *Initial Study of Novel Flame Retardants For Epoxy Resin Systems*, Abdulhamid Bin Sulayman, University of Dayton
- *Synthesis and Characterization of Silane and Siloxane Phthalonitrile Polymers*, William Jacob Monzel, Virginia Tech

We also presented five Patterson College Chemistry Awards to outstanding chemistry majors in their junior year. The award consists of a certificate and a check for $400. This year’s winners are:

- Joseph Zavodney, Cedarville University
- Arame A. Diouf, Central State University
- Joshua Killian, University of Dayton
- Bradley Mallott, Wittenberg University
- Jeremiah Stevens, Wright State University
Alzheimer's Avoidance Therapy*  Unscramble the letters to reveal a chemical name. Then, use the circled letters to solve the riddle. Answers next edition!

**Answers for Last Edition**
URANIUM IODINE ZINC
In the new hit reality show – Marry the Plumber! – a contestant questions two potential life partners and discerns which one is the plumber. The plumber is the better choice because, of course, plumbers make way more money than chemists, and are never unemployed. Also, if you marry the chemist and, in the dead of winter your pipes burst, who you gonna call? In the first episode, the contestant steps up to the microphone and asks, “How would you pronounce this word?” and then spells out: UNIONIZED.

Quotable Quotes for $1000, Alex!
“As the twig is bent, the tree inclines”  – Virgil
“I chose to pursue a career in physics because there the truth isn’t so easily bent.”  – Angela Merkel
“Blessed are the hearts that can bend; they shall never be broken.”  – Albert Camus
“Have you noticed that whatever sport you’re trying to learn, some earnest person is always telling you to keep your knees bent?”  – Robert Mulliken
“Well of course you do. No one can cross a ball or bend it like Beckham.”  – Jess
“This woman is bending my mind into a pretzel!”  – Jerry Seinfeld

*Surveys suggest that mental exercises, including word puzzles, may delay the progression of Alzheimer's Disease.