Meetings and Events
Sept. 17: Inaugural All-Ohio ACS Family Retreat

Section News and Other Stuff
- Call for Nominations — page 2
- Call for NCW Volunteers — page 2
- Past Meeting — pages 4–5
- The Chemistry of Tequila — page 5
- Alzheimer’s Avoidance Therapy — page 6
- AAT-2: Su Doku for Chemists — page 6
- Quotable Quotes — page 6
The vacancies we need to fill this year are Chair-Elect, Treasurer, Councilor, and Alternate Councilor. Starting in 2017, the Treasurer will serve a two-year term, whereas the Chair-Elect will serve in that office in 2017, as Chair in 2018, and as Immediate Past Chair in 2019, although, Immediate Past Chair is largely a ceremonial role where you get to criticize the Chair for not doing as good a job as you did. Councilor and Alternate Councilor each serve a three-year term starting in 2017.

We've identified candidates for Councilor (Steve Trohalaki) and Alternate Councilor (Rachel Jakubiak and Yu Kay Law), so our needs are greatest for Treasurer and Chair-Elect. Consider the following to determine which office is the best fit for you.

Do you need something to put under “Management Experience” on your résumé? Does saying things like “the meeting will come to order” and “the meeting is adjourned” send tingles down your spine? Have you never given ethics a second thought? If so, you are a perfect candidate for Chair-Elect!

Maybe you’re more of a worker bee than a queen. Well, do you know how to add and subtract using a calculator? Do you know how to write out a check? Do you know that budget, with a small b, is not a car-rental company? If you said yes to at least two of these three questions, you’re more than likely an ideal candidate for Treasurer!

The Section’s Councilor and Alternate Councilor get to act superior to other members of the Dayton Section Board because they are National ACS Officers, not Local Section Officers. The Councilor represents the Section at Council Meetings, held biannually on the Wednesday of ACS National Meetings. The Alternate Councilor, while sitting in wait for the Councilor to fall ill, serves as liaison to the Affiliate Societies Council of Dayton. All officers serve on the Section’s Board of Directors.

Please contact Freddie Jordan at fjordan3@sbcglobal.net if you are interested in volunteering for any of these positions. Trust us; it’ll be fun!

*** CALL FOR VOLUNTEERS ***

NATIONAL CHEMISTRY WEEK

This year’s theme is

Solving Mysteries Through Chemistry

Exploring the Chemistry of Fibers and Forensics

We’ll celebrate NCW with two events this year:

♦ On Saturday, October 15th, from 1–4 PM, we’ll be at the Center-ville Library, where 5–8 volunteers are needed.

♦ Many more volunteers are needed at our second event at the Boonshoft Museum of Discovery on Saturday, October 22nd, from 11 AM–4 PM, and Sunday, October 23rd, from noon–4 PM.

Contact Melinda Greer at (513) 936-7165 or at greermd@ucmail.uc.edu to volunteer for either of these events.
SEPTEMBER 17

GO CHEM — The Wild Side of Chemistry!

An All-Day, Family Friendly ACS Retreat

This year, our annual picnic will be at the Columbus Zoo!

Join us at this inaugural event for ACS members and their families from across Ohio and its environs. Activities will include:

- **Family fun at the Columbus Zoo**
- **Student Poster Session with awards at the Crowne Plaza in Dublin**
- **Résumé and career advice from ACS Career Services**
- **Dinner and a keynote talk later that evening**

All undergraduate and graduate students in the Dayton area are invited to submit an abstract and to present a poster. Overnight accommodations are available at the Crowne Plaza in Dublin, northwest of Columbus and south of the Columbus Zoo.

For questions, please, contact Jenny Iskrenova-Ekiert at jnova2001@gmail.com.

Further information about the event, including registration, schedules, and abstract submission, will be sent via email and made available on our facebook page and at http://daytonacs.org/GoChem2016.html.

---

**Future National ACS Meetings:**

- 252nd ACS National Meeting & Exposition, August 21-25, 2016, Philadelphia, PA
  - Program Theme: Chemistry of the People, by the People and for the People
- 253rd ACS National Meeting & Exposition, April 2-6, 2017, San Francisco, CA
- 254th ACS National Meeting & Exposition, August 20-24, 2017, Washington, DC
- 255th ACS National Meeting & Exposition, March 18-22, 2018, New Orleans, LA
- 256th ACS National Meeting & Exposition, August 19-23, 2018, Boston, MA
- 257th ACS National Meeting & Exposition, March 31-April 4, 2019, Orlando, FL
- 258th ACS National Meeting & Exposition, August 25-29, 2019, San Diego, CA
- 259th ACS National Meeting & Exposition, March 22-26, 2020, Philadelphia, PA
- 260th ACS National Meeting & Exposition, August 23-27, 2020, San Francisco, CA
- 261st ACS National Meeting & Exposition, March 21-25, 2021, San Antonio, TX
- 262nd ACS National Meeting & Exposition, August 22-26, 2021, Atlanta, GA
Continuing a tradition that began in 1943, Dayton Section members and chemistry students convened at Wright State University on May 25th for the Patterson High School Chemistry Awards. The ten students who scored highest on a standard chemistry exam were invited to write essays on a chemistry topic of their choosing. The essays were ranked by a committee formed by the Dayton Section. Typically, the top three essayists are awarded prizes of $1000, $500 and $250 for 1st, 2nd, and 3rd place, respectively. This year, however, we had a tie for second place, so we had four winners.

In her keynote address, *Glen Helen Water Quality: A Five-Year Exploration, 2011–2015*, Prof. Audrey McGowin presented the type of chemistry course that she would have liked to take when she was an undergraduate student. Her students’ results will indeed be of service to the community.

It’s unclear whether the reason for the great turnout was Audrey’s talk or the free pizza but the Section is grateful for the reception we received at Wright State.

This year’s winners, *their* essays, their High Schools (and their teachers) are:

**First Place:** Emily Kuehl, *Roy Plunkett and the NonStick Accident that Stuck*  
Northmont High School (William Patrizio)

**Second Place:** Vidushi Tripathi, *Order Emerges from Mayhem: Dmitri Mendeleev and the Periodic Table*, Centerville High School (Bonnie Buddendeck)  
Michael Li, *The Water Bottle: The Importance of Plastics*  
Centerville High School (Bonnie Buddendeck)

**Third Place:** Brian Daniels, *Percy Lavon Julian: A Hero of Chemistry and Society*  
Beavercreek High School (Tejinder Rattan)

The Section thanks the Patterson High School Chemistry Awards Committee, The Education Committee, the volunteers who read and ranked the essays, and, of course, the Patterson Family. Oh, and to Jenny and Kerra for getting the pizza! And to Rachel Aga for the ice!!

More photos on page 5!
Past Meeting: Patterson High School Chemistry Awards

Teachers were awarded a certificate and $50 in appreciation of their efforts.

Mr. William Patrizio, a.k.a. Blinky, from Northmont High School, accepts his certificate and award from Dr. Jenny Iskrenova-Ekiert.

Centerville High School’s Bonnie Buddendeck thinks we’re kidding when we tell her that she doesn’t get two $50 checks for having two of her students finish in second place.

Ms. Tejinder Rattan from Beavercreek High School realizes that this is the day her students start making more money than she. But, that’s OK!

From REACTIONS, the ACS Undergrad Blog, of all places:

Whether you love it or hate it, tequila has made an important impact our culture. We memorialize its effects in songs and we’ve even created a chain restaurant that celebrates its very existence — Thanks, Mr. Buffet!

It’s no secret that tequila is one of the most potent drinks on the market. The way it affects us differs from person to person, but there is a secret hidden within the chemical composition of this notorious little beverage that makes it so… powerful! The graphic at left, brought to you by our friends from ACS Reactions, helps explain why tequila has a such a strong effect and is able to do the things that tequila does.

First, tequila has a surprisingly complex flavor profile. Prior to sipping tequila you smell a combination of chocolate, cake, whiskey, and wood. I guess taste varies….? Surprisingly, methanol is critical to distilling a great tasting and powerful batch of tequila.

I don’t think that the realization that there is methanol in tequila makes us shy away from drinking it, but it definitely makes a great case for spending a few extra dollars to upgrade to top shelf and, hopefully, avoid a killer hangover on Seis de Mayo.
Alzheimer’s Avoidance Therapy*  Unscramble the letters to reveal a chemical or a middle name of a famous chemist. Then, use the circled letters to solve the riddle. Answers next edition!

A B E N T U
D E I I N O
E I N O R S T Y

Boltzmann is at the Element Bar tying one on. The barkeep asks, “Why so glum, chum? I mean, they named a constant after you! Boltzmann shrugs, points to his empty glass, and says, “more pouring, less talking.” The bartender pours him another shot and says, “You developed a statistical mechanical evaluation of entropy. That’s pretty cool.” Boltzmann downs his drink and says, “Yeah, well, entropy ain’t what

Quotable Quotes for $1000, Alex!

“And so with the sunshine and the great bursts of leaves growing on the trees, just as things grow in fast movies, I had that familiar conviction that life was beginning over again with the summer.”

– F. Scott Fitzgerald

“I know I am but summer to your heart, and not the full four seasons of the year.”

– Edna St. Vincent Millay

“What good is the warmth of summer, without the cold of winter to give it sweetness.”

– John Wilkes Booth

“Summer will end soon enough, and childhood as well.”

– George R.R. Martin

“It’s hot in here; it must be Summer.”

– Rajesh Koothrappali