



THE DAYTON SECTION

Fostering scientific education and research, and promoting public understanding of science since 1930

WEB ADDRESS: <http://DaytonACS.org>
<https://www.facebook.com/daytonacs>

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Vacant

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Vacant

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BULLETIN

Trumpinator Election Edition 2015

Meetings and Events

October 10: Joint Meeting with the Cincinnati Section

Oct. 17, 24, 25: National Chemistry Week Events!

November 19: Membership Meeting

Section News and Other Stuff

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- Like us at <https://www.facebook.com/daytonacs>

DATE MATERIAL - MEETING ANNOUNCEMENT - DO NOT DELAY

ADDRESS SERVICE REQUESTED

American Chemical Society
Dayton Section
5100 Springfield St., Ste. 108
Dayton, OH 45431

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NATIONAL CHEMISTRY WEEK EVENTS

We will celebrate this year's theme, *Chemistry Colors Our World!*, with two separate events that will focus on the chemistry of food colors, fireworks, rainbows, natural dyes, pigments, and more! These events will be fun for chemists and nonchemists alike but especially for future chemists!

First Event

DATE: Saturday, October 17th

TIME: 1:00 pm – 4:00 pm

PLACE: Centerville Library 111 W. Spring Valley Road, Centerville

Please see <http://www.wclibrary.info/locations/index.asp> for directions

COST: This Event is Free!

Second Event

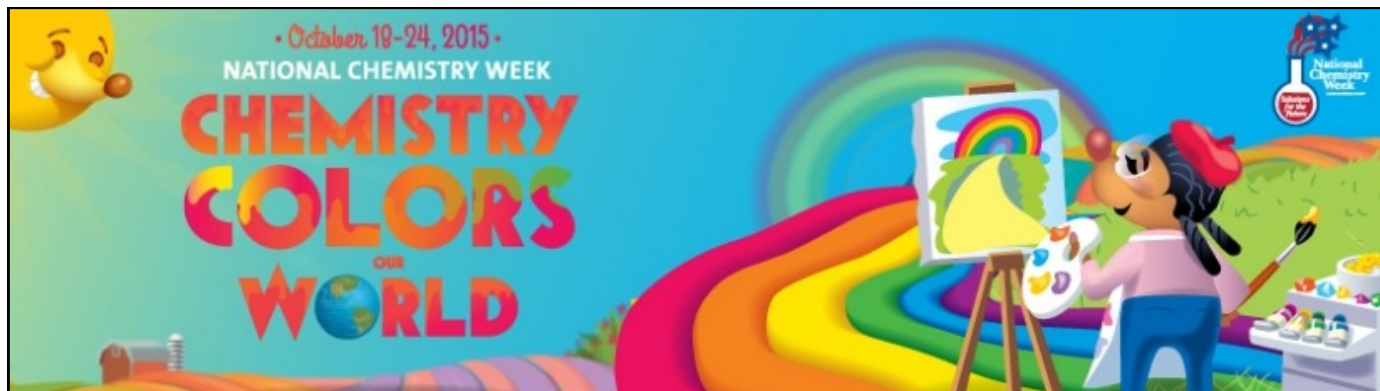
DATE: Saturday, October 24th and Sunday, October 25th

TIME: 11:00 am – 4:00 pm on Saturday and noon – 4:00 pm on Sunday

PLACE: Boonshoft Museum of Discovery 2600 DeWeese Parkway, Dayton

Please see www.boonshoftmuseum.org for directions

COST: Requires Admission to Museum – \$13 per adult, \$11 per senior, and \$10 for children ages 3–16. Children under 3 are free! Of course, members of the museum get in free.



If you are interested in volunteering in any of these events,
please contact Melinda Greer at:
(513) 936-7165 or greermd@ucmail.uc.edu.
Trust us; it'll be fun!

UPCOMING MEETING

NOVEMBER 19

MEMBERSHIP MEETING

Venue: Wellington Grille, 2450 Dayton Xenia Rd., Beavercreek, (937) 426-4600

Social: 6:00 PM

Dinner: 7:00 PM

Reservations: Contact Aaron Burke at aburke1333@aol.com or 890-2312 by Nov. 16.

This year, we continue a Dayton Section ACS tradition by honoring those section members, who, during the past year, have attained 50 or 60 years of ACS membership. This year, our new 50-year members are: Dr. Robert Begland, Mr. Charles Friedman, Dr. Larry Helmick, Dr. Paula Parker, Dr. Al Schlueter, and Mr. Frank Winslow (a seventh wishes neither publicity nor recognition).

All section members with more than 50 years of ACS membership are invited as guests of the Dayton Section. As always, all members of the Dayton Section are welcome to attend.

Thankfully, there will be no keynote speaker this year but the 50-year and 60-year members are welcome to speak a few words on their careers and years of service to the ACS. Their allotted time is a complex function of audience interest and degree of inebriation but when snores get louder than the speaker, the latter would be well advised to wrap things up.

We will also announce the results of the Section Elections, so please join us and raise a pint to welcome our newly elected officers, bid farewell to outgoing officers, and see what's new for 2016.

OCTOBER 10

JOINT MEETING WITH THE CINCINNATI SECTION

This joint meeting at Valley Vineyards in Morrow, Ohio, will allow members from our two sections to socialize and network over wine or beer tasting, dinner, and a tour of this unique winery and brewery.

Valley Vineyards is located between Dayton and Cincinnati, in a region of glaciated soils especially beneficial for growing premium wine grapes. For more information, see <https://www.valleyvineyards.com/>.

The Dayton Section will subsidize this event, and there's still time to register if you hurry, so go to DaytonACS.org today! Did we mention that there will be beer and wine?

PAST MEETINGS

Section Picnic

Twenty or so Section Members, their families, and one dog enjoyed a beautiful late-summer afternoon at Fairborn's Community Park for the Section's annual picnic. New this year was a door prize for which every section member *present* was eligible — the winner gets to run for Chair-Elect! Congratulations Jenny Iskrenova-Ekiert!! Next year, only section members *not* present at the picnic will be eligible. The Section is grateful to those who came out and for everyone's efforts to make this event a success!



The original caption was funnier but Dr. Petry complained that it was "unprofessional."

Patterson-Crane Award

At a joint meeting of the Dayton and Columbus Sections, the 2015 Patterson-Crane Award was given to Dr. Stephen Heller for his contributions to Chemical Information Science. In a talk entitled, The Development of the IUPAC InChi Chemical Structure Standard, Dr. Heller addressed members from both sections after dinner at the Clintonville Woman's Club. The Dayton Section congratulates Dr. Heller and offers its sincere thanks to the members of both the Dayton and Columbus Sections' Patterson-Crane Award Committees.

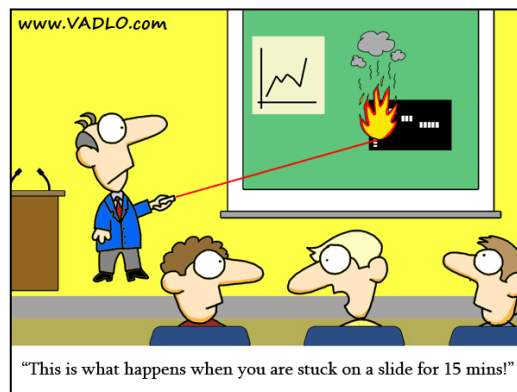


Why is it that your seat is always behind the guy with the biggest head?

Joint Meeting with Wright State University

On Friday, September 18th, Past ACS President (2005), ACS Board Chair (2012-14), and ACS Director at Large (2009-17), Bill Carroll concluded a whirlwind tour of Ohio (six sections in four days!) with a seminar presented at Wright State University. Dr. Carroll's talk — *Where Everything Comes From: Industrial Chemistry 101* — was very well received, provoking questions from several of the 70-plus attendees, none of whom took a decent photograph of the event. Afterward, Dr. Carroll met with members of the WSU Chemistry Club.

Dr. Carroll started his Ohio tour the very same day he retired from Occidental Petroleum, based in Houston, Texas. The Dayton Section sincerely thanks Dr. Carroll for traveling to Dayton to make his presentation, and



SECTION ELECTIONS!

We have a splendid slate of candidates for Chair-Elect and Secretary. Rest assured that neither candidate sports a comb over that makes them look like a rabid raccoon has perched on their head. Nor does either Candidate have trust issues that are just a tad more disturbing than their questionable taste in pants suits. Please find their résumés below.

The Chair-Elect will serve in that capacity in 2016, as Chair in 2017, and as Immediate Past Chair in 2018. The Secretary will serve a two-year term starting in 2016. Section members will soon receive via e-mail instructions on how to vote electronically. Those section members who don't know that the "e" in "e-mail" stands for "electronic" (even after reading the previous sentence) may obtain a paper ballot from the Secretary, and either mail their completed ballot back to him or bring it to the Membership Meeting (see page 3). The Secretary and his address are: Prof. Yu Kay Law, Indiana University East, 2325 Chester Blvd., Richmond, IN 47374.

Office: Chair-Elect

Candidate: Eugeniya (Jenny) K. Iskrenova-Ekiert

Position Title & Place of Employment:

Research Scientist in the Thermal Modeling Group at the Air Force Research Laboratory, WPAFB and at UES, Inc.

Education:

Ph.D. in Physics from the University of Delaware, 2008

M. Sci. in High Energy Physics from Sofia University, Bulgaria, 1995

Professional Society Affiliations:

American Chemical Society (member since 2010), Division Computers in Chemistry

Geochemical Society (member since 2010)

American Physical Society (member since 2002) Divisions: Atomic, Molecular, and Optical Physics; Computational Physics; Fluid Dynamics

American Association for the Advancement of Science (member since 2012)

Materials Research Society (2015)

Statement:

My PhD thesis was on high-precision atomic electronic structure calculations and the post-doctoral work I did at the Chemistry Department of Michigan State University involved molecular dynamics simulations of aqueous systems of importance in environmental chemistry and geoscience. As an educator, I have had the opportunity not only to teach college classes but to volunteer and mentor undergraduate and high-school students. As a Chair-Elect, I would like to offer my contribution to the great leadership tradition in the Dayton Section of ACS in providing community outreach, promoting chemistry and science, and inspiring and guiding the next generation of scientists and scientifically literate citizens.

Office: Secretary

Candidate: Kerra Rose Fletcher

Position Title and Place of Employment:

Not available until 1 October 2015

Education:

B.S. Chemistry, Emory & Henry College, 2004

M.S. Chemical Physics, The Ohio State University, 2008

Professional Society Affiliations:

American Chemical Society (member since 2001)

Chair, Younger Chemists' Committee, Dayton Section ACS (2015 – present)

Liaison, Government Relations Committee, Northeastern Section ACS (2012 – 2014)

Statement:

Ms. Fletcher has been an active member of the ACS since college and she is looking forward to becoming the Dayton ACS Secretary. Currently, she serves as the Chair of the Young Chemists' Committee where she has developed the program "Dayton ACS: Opportunities for Young Chemists That Make SENS." This program offers service, educational, networking, and social activities for students and recent graduates. Ms. Fletcher's innovative ideas, attention to detail, and strong work ethic would make her an ideal candidate for Secretary.

Alzheimer's Avoidance Therapy* Unscramble the letters to reveal a chemical name or apparatus. Then, use the circled letters to solve the riddle. Answers next edition!

IDCA



CEGILNY



ACLNOOT



Two second-graders are out on the playground. Their conversation goes something like this: "What does your Dad do?," asks Bobby. "My Dad is a doctor," says Jane. Bobby says, "My dad is a doctor, too - an ENT. He cures people with sick ears, noses, and throats! What kind of doctor is your dad?" "A Ph.D.," says Jane "What kind of doctor is *that*?," asks Bobby. "I dunno," says Jane. "But mommy says it's the kind that doesn't do anyone



Answers for Last Edition

TYGON SULFUR FLUORINE

The chemistry major found the 1st semester of his junior year much more difficult than expected. At the start of the Spring semester, he sought advice from the Department Chair. Upon seeing him, the Chair says, "Come on in, Carbon Tetrafluoride!" The junior asks, "Why did you call me that?" The Chair replies, "Well, last semester you passed one course with a C but, for the other four courses, you GOT FOUR Fs!

AAT-2 – Su Doku for Chemists!

Using the following nine chemical elements:

Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu
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fill in the grid below so that each row, column, and 9-element subcell has only one occurrence of each element.

	V			Fe		Co		Cr
Fe				Cu		Sc		Ni
Cu		Sc				Co		
	Co							
		Mn	Ni		V	Cu		
							V	
			Cr			Fe		V
Cr		V		Mn				Sc
Sc		Fe		V			Cr	

Quotable Quotes for \$1000, Alex!

"Extremes to the right and to the left of any political dispute are always wrong."

— Dwight D. Eisenhower

"The Democrats are the party that says government will make you smarter, taller, richer, and remove the crabgrass on your lawn. The Republicans are the party that says government doesn't work and then they get elected and prove it."

— P.J. O'Rourke

"When widely followed public figures feel free to say anything, without any fact-checking, it becomes impossible for a democracy to think intelligently about big issues."

— Thomas L. Friedman

"Wait. Is this the group that goes around mutilating squirrels?"

— Frank Costanza

Solution for Last Edition

Cr	Ni	V	Sc	Fe	Mn	Co	Cu	Ti
Ti	Mn	Fe	Co	Ni	Cu	V	Sc	Cr
Cu	Sc	Co	Cr	Ti	V	Mn	Fe	Ni
V	Fe	Cu	Ni	Sc	Ti	Cr	Mn	Co
Co	Ti	Sc	Fe	Mn	Cr	Cu	Ni	V
Mn	Cr	Ni	V	Cu	Co	Sc	Ti	Fe
Fe	Co	Ti	Mn	V	Sc	Ni	Cr	Cu
Sc	Cu	Cr	Ti	Co	Ni	Fe	V	Mn
Ni	V	Mn	Cu	Cr	Fe	Ti	Co	Sc

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