Meetings and Events
Feb. 18-19: Miami Valley TechFest at Sinclair Community College (see enclosed flyer)
April 3: Annual Poster Session and Patterson College Chemistry Awards

Section News and Other Stuff
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UPCOMING MEETING

APRIL 3:

ANNUAL POSTER SESSION AND
PATTERSON COLLEGE CHEMISTRY AWARDS

Venue: Center for Education and Natural Science (Bldg. 29), Central State University
(see Campus Map at: http://www.centralstate.edu/services/directions_map/map_flash.html)

Parking: Just to the right of the main entrance, behind CENS

Agenda: Poster Set-Up: 5:30 – 6:00 PM
Poster Judging: 6:00 – 7:00 PM
Poster Viewing: 6:00 – 7:30 PM
Awards: 7:30 – 8:15 PM

The Annual Poster Session is a tradition of long standing in the Dayton Section. This year, however, we are initiating a system where venues rotate among area Universities. In addition, we are increasing the number of $100 awards for outstanding undergraduate and graduate poster presentations from 4 to 6. The Dayton Section Officers invite you, your colleagues, and students to present a poster relating to any area of chemical research. Complimentary food and soft drinks will be provided by the Section. In addition to poster awards, we will also recognize the outstanding junior chemistry major at each college and university within the Section’s boundaries with the Patterson College Chemistry Award.

Directions: Take US-35 East to Xenia. Continue onto W. Main St. Turn left onto Church St. Make a slight left onto US-42 North/Columbus Ave. and continue to follow US-42 North. Turn left onto Brush Row Rd. CSU will be on your left.

Call for Poster Abstracts

Send abstracts of 250 words or fewer by close of business Tuesday, March 27, 2012 to Prof. Suzanne Seleem at sseleem@centralstate.edu. For students, please indicate on the abstract if you would like to be considered for an award and whether you are an undergraduate or graduate student. Please use standard ACS abstract format (see the example on DaytonACS.org/abstract/Abstract Template.doc).

Volunteers Needed for TechFest 2012

When: Saturday, Feb. 18, 10 AM–6 PM, and Sunday Feb. 19, 11 AM–5 PM
Where: Sinclair Community College Ponitz Center (Building 12)
Parking: Free in the underground garage beneath Building 12 off Fourth St.

This is a free event about sharing and learning about math, science, engineering, and technology – past present and future – for the entire family. TechFest features over sixty interactive science and technology demonstrations, exhibits, and games hosted by dedicated volunteers and practicing professionals in the Miami Valley representing professional societies, universities, industry, the Air Force, and NASA. The Dayton Section will be there again this year with hands-on demonstrations that explore chemistry. We need volunteers to help makes this event a success. Trust us — it’ll be fun!

To volunteer, even for just a couple of hours, contact Wayne Cook at: wayne.cook@kodak.com or 937.259.3162.
Results of the 2011 Dayton Section Elections

We received 21 ballots by the deadline. Several more arrived late but these would not have made a difference in this uncontested election. Ms. Lori Balster was elected Chair-Elect, and Dr. Wayne Cook was elected Secretary. Congratulations to all our newly elected officers! Prof. Suzanne Seleem succeeds to Chair and Vladimir Benin to Immediate Past Chair. Dr. Chris Tabor starts his second and final year in his term as Treasurer, while Steve Trohalaki and Rachel Jakubiak start their second years in their current terms as Councilor and Alternate Councilor, respectively. The Section owes a debt of thanks to our outgoing officers — Dr. Hilmar Koerner and Mr. James Carey — for their selfless service. The alter egos of the 2012 Dayton Section Board of Directors and our outgoing officers are pictured below.

Newly Elected Officers

Lori Balster
Chair-Elect

Wayne Cook
Secretary

Returning Officers

Suzanne Seleem
Chair

Vladimir Benin
Immediate Past Chair

Steve Trohalaki
Councilor

Rachel Jakubiak
Alternate Councilor

Chris Tabor
Treasurer

Outgoing Officers

Hilmar Koerner
Immediate Past Chair

Jim Carey
Secretary
National Chemistry Week was celebrated at three separate events in 2011. The first event took place at the Centerville Library on October 15th and the second event held on November 5th and 6th at the Boonshoft Museum of Discovery. All events highlighted this year’s theme of “Chemistry – Our Health, Our Future.”

At the Centerville Library experiments included a hand washing exercise, cold packs/hot packs, an aspirin test, sunscreen protection, and glucose testing. At the Boonshoft Museum of Discovery ten experiments were performed over the two-day period including those mentioned above as well as vitamin C testing, foaminess of bargain shampoos, nano-zinc oxide creams, bath bombs, and curdling milk.

For the second year now an event also took place at the Dayton Regional STEM School on October 20th. Volunteers Wayne Cook and Joy Haley performed pH experiments on household chemicals, endothermic and exothermic reactions, and testing sunscreen to the 7th and 8th grade classes of Ms. Brittnee Lydy. A combined total of about 500 local children performed experiments.

We give a special thanks to all of our volunteers. At the Centerville Library, they include Wayne and Rhonda Cook, Ben Tway, Dominque Judkins, Katie Sullivan, and Joy Haley. Dayton Section members volunteering at the Boonshoft Museum include Ed Geller, Melinda Greer, Ben Tway, Chris Kanalas, Daqing Gao, Vladimir Benin, Radka Benin, Dorothy Ogden, Lisa Draughn, and Joy Haley. We are thankful for all the volunteers from the University of Dayton Chemistry Club and the Wright State University Chemistry Club. We thank Wright State in particular for performing demonstrations throughout the weekend!

The winner of the Dayton Poster Contest highlighting this year’s NCW theme is Ms. Kathryn Holland from Urbana High School. She is an 11th grader in the class of Kathryn Zaborowski. Her winning submission was sent to ACS as a contender in the national contest. The Dayton Section awarded her a $25 gift card. Congratulations!
On Thursday, November 17, 2011, section members numbering a score and a half gathered at the Wellington Grille to honor the newest 50-year members — Dr. Robert A. Darrow, Prof. John J. Fortman, Mr. Paul H. Lamberger, Prof. Munson Paul Serve, and Mr. John M. Zurbuchen — as well as our new 60-year members — Ms. Mary T. Ryan and Mr. James A. Webster. Unfortunately, Dr. Darrow and Ms. Ryan were unable to attend.

Narayanan Venkat, longtime Chair of the Professional Practices Committee, presented each honoree with an ACS certificate and a plaque of recognition. After the awards, the honorees informally addressed the audience. Prof. John Fortman performed some of his best known chemistry demos, and was also able to quell several complaints from attendees that their steaks were too rare.

The Dayton Section offers its sincere congratulations to all of our 50-year and 60-year members!
Alzheimer’s Avoidance Therapy* Unscramble the letters to reveal chemical names or concepts. Then, use the circled letters to solve the riddle. Answers next edition!

E H L N O P
I L L O T X Y
D E E N R U


Answers for Last Edition

CATION STILBENE DIESEL
In her form-fitting lab coat, there was never a more alluring organic chemistry student than Bette, even with the faint grey spots under her big, blue eyes that betrayed last night’s indulgences. When warned that she had forgotten to add boiling chips to her round bottom flask, Bette imagines consuming a martini in one gulp, then takes five dramatic strides away from the fume hood, turns to face her TA, and says, “Fasten your seat belt. It’s going to be a bumpy DISTILLATION!

AAT-2 — Su Doku for Chemists!
Using the following nine chemical elements:

Sc  Ti  V  Cr  Mn  Fe  Co  Ni  Cu

fill in the grid below so that each row, column, and 9-element subcell has only one occurrence of each element.

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Quotable Quotes for $2000, Alex

“Women may fall when there’s no strength in men.”
—William Shakespeare

"Be faithful in small things because it is in them that your strength lies."
—Mother Teresa

"Strength comes not from physical capacity but from an indomitable will."
—Mohandas Gandhi

"One strength of the communist system of the East is that it has some of the character of a religion and inspires the emotions of a religion."
—Albert Einstein

"I have been performing feats of strength all morning."
—Frank Costanza

Solution for Last Edition

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