Meetings and Events
April 9: Annual Poster Session and Patterson College Chemistry Awards

Section News and Other Stuff
- Election Results — page 2
- Call for Poster Abstracts — page 3
- Call for TechFest Volunteers — page 4
- Past Meetings — pages 4-5
- Alzheimer’s Avoidance Therapy — page 6
- AAT-2: Su Doku for Chemists — page 6
- Quotable Quotes — page 6
RESULTS OF THE 2014 ELECTRONIC SECTION ELECTIONS

In our uncontested electronic election, Dr. Freddie Jordan was elected Chair-Elect with 44 votes, and Dr. Prakriti Pollack was elected Treasurer with 45 votes. Congratulations to our newly elected officers!

Dr. Wayne Cook succeeds to Chair and Prof. Leanne Petry to Immediate Past Chair. Prof. Yu Kay Law starts his second and final year in his term as Secretary, while Dr. Steve Trohalaki and Dr. Rachel Jakubiak start their second years in their three-year terms as Councilor and Alternate Councilor, respectively. The Section owes a debt of thanks to our outgoing officers — Ms. Lori Balster and Prof. Rachel Aga — for their selfless service. Photos supplied by the 2015 Dayton Section Board of Directors and our outgoing officers appear below.

Newly Elected Officers

Freddie Jordan
Chair-Elect
Prakriti Pollack
Treasurer

Returning Officers

Wayne Cook
Chair
Leanne Petry
Immediate Past Chair
Yu Kay Law
Secretary
Steve Trohalaki
Councilor
Rachel Jakubiak
Alternate Councilor

Outgoing Officers

Lori Balster
Immediate Past Chair
Rachel Aga
Treasurer
UPCOMING MEETING

APRIL 9

Annual Poster Session and Patterson College Chemistry Awards

Venue: Cedarville University, Center for Biblical and Theological Studies (*), Rms 102-3.

*See Building 21 at: http://www.cedarville.edu/About/Campus-Map.aspx

Parking: The parking lot adjacent to the CBTS opens onto Main Street (State Hwy 72).

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, we complete the cycle of rotating venues among area universities before returning to the University of Dayton. Outstanding undergraduate and graduate poster presentations will be awarded with prizes of $100. 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.

Call for Poster Abstracts

Send abstracts of 250 words or fewer by close of business Tuesday, April 7, 2015 to Wayne Cook at wayne.cook@kodak.com. 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). Poster boards measure 4’ high by 6’ wide.

Volunteers Needed for TechFest 2015

When: Saturday, Feb. 14, 10 AM – 6 PM, and Sunday Feb. 15, 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 year’s theme is “A Century of Light,” and our demonstrations will focus on the relationships between chemistry and light. This event is one of the best chemistry outreach programs in the Miami Valley and is a lot of fun for families and exhibitors. For more information on TechFest 2015, check out the enclosed flyer, which is also available at:


If you are interested in volunteering for one or more 2-hour shifts, please contact Amit Sharma at amit.sharma@wright.edu or Wayne Cook at wayne.cook@kodak.com. Let us know your preferences, if any, for a time and/or date slot.
National Chemistry Week was celebrated at three separate events in 2014. The first event took place at the Centerville Library on October 18th, and the second event was held on October 25th and 26th at the Boonshoft Museum of Discovery. The third event, also on October 25th, was part of the Dayton Regional Science Festival (DRSF) held at Chaminade-Julienne High School. All events highlighted this year’s theme, “The Sweet Side of Chemistry: Candy.” Experiments included identifying acidic candies, making flobber worms, making raisins dance, shrinking marshmallows, and blowing up balloons with pop rocks and soda. About 500 children participated throughout all our events.

We give a special thanks to all of our volunteers. At the Centerville Library they include Wayne Cook, Kelly Muterspaw, Daqing Gao, Duncan Breland, Melinda Greer, and Joy Haley. ACS section members volunteering at the Boonshoft Museum include Ed Geller, Yu Kay Law, Matt Madachy, Prakriti Pollack, Vladimir Benin, Radka and Lyuba Benin (future ACS members), Melinda Greer, and Joy Haley. We are thankful for all the volunteers from Central State University, the University of Dayton Chemistry Club, and the Wright State University Chemistry Club. Also special thanks go to Kirby Underwood from Wright State for performing demonstrations throughout the weekend! At the Dayton Regional Science Festival, the ACS volunteers were Wayne Cook, Rhonda Cook, and Joy Haley. Thanks so much to all!

We congratulate Ms. Lily Jones from Urbana High School — the winner of the Dayton Section’s NCW Illustrated Poem Contest highlighting this year’s theme. Lily, who is in the class of Kathryn Zaborowski, is now a contender in the National ACS Contest. For her efforts, Lily was awarded a $25 gift card.
On Thursday, November 13, 2014, a couple dozen section members gathered at the Wellington Grille to honor our new 50-year members: Dr. Lawrence Knaak, Dr. Howard Knachel, Dr. Sanford Lauderback, Dr. William Miller Jr., and Dr. Richard Steppel; and our new 60-year members: Dr. Rubin Battino and Mr. Donovan Duvall. In our first post-Venkat meeting, Aaron Burke presented each attending honoree with an ACS certificate and a plaque of recognition. After the awards, the honorees informally addressed the audience. We also bade fond farewells to departing officers, Ms. Lori Balster (Immediate Past Chair) and Prof. Rachel Aga (Treasurer). The Dayton Section welcomes its newly-elected and returning officers, congratulates all our 50-year and 60-year members, and thanks our departing officers.
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!

EHILMU

KNOPRTY

FLRSUU

At the Element Bar, the usual characters are discussing the latest scientific scuttlebutt. “Did you hear,” asks the barkeep, “that helium finally achieved absolute zero?” “Yeah,” replied krypton, evidently unimpressed; “How’s he doing?” “As you might expect,” pipes in sulfur,

" ○ ○ ○ ○ ○ "

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.

<table>
<thead>
<tr>
<th>Cu</th>
<th>Mn</th>
<th>Cr</th>
<th>Ni</th>
<th>Ti</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Ti</td>
<td>Co</td>
<td>Cu</td>
<td></td>
</tr>
<tr>
<td>Ni</td>
<td>Mn</td>
<td>V</td>
<td>Sc</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>Co</td>
<td>Sc</td>
<td>Mn</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fe</td>
<td>Mn</td>
<td>Cr</td>
<td>Sc</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ti</td>
<td>Sc</td>
<td>V</td>
<td>Ni</td>
<td>Fe</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cu</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Quotable Quotes for $2000, Alex

“Boredom is the feeling that everything is a waste of time; serenity, that nothing is.”

−Thomas Szasz

“Nothing is so aggravating as calmness.”

−Mahatma Gandhi

“Serenity is knowing that your worst shot is still pretty good.”

−Johnny Miller

“I wouldn't know how to handle serenity if somebody handed it to me on a plate.”

−Dusty Springfield

“Sideways? Like an ANIMAL! Because of HER I have to sit like an ANIMAL! SERENITY NOW!”

−Frank Costanza

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