SEPTEMBER 2017:
A MESSAGE FROM
VICTORIA NGUYEN
HEARTLAND SECTION:

Lots of announcements in this Newsletter since we are having an active fall.

COOL NEWS:
Local Section WINS ChemLuminary Partnership Award-

CONGRATULATIONS TO OUR MEMBERS

Thinking of running for one of the Local Section Officer Positions? Submit your name or nominate someone else by contacting Victoria. Election information will be coming in the next newsletter.

2017 ILLINOIS HEARTLAND ACS SECTION OFFICERS

Chairperson:
Victoria Nguyen, (NCAUR; vhnguyen3@gmail.com)

Chair-elect:
Hind Abi-Akar (Caterpillar; hindma4@gmail.com)

Treasurer:
Brent Chandler (Illinois College; brent.chandler@gmail.com)

Secretary:
Marjorie Jones (ISU, Chemistry; majone3@ilstu.edu)

Councilor:
Greg Ferrence (ISU, Chemistry; gferren@ilstu.edu)

Alternate Councilor:
Kurt Field (Bradley University)

Immediate Past-chair:
Michael Appell (NCAUR; michael.appell@gmail.com)
Illinois Heartland Local Section is a Winner of the Partnership Award:

The Illinois Heartland Section hosted science demos at the Peoria Riverfront Museum with a dozen member volunteers that served 1500 members of the community. This activity, made possible through Innovative Project Grant funding, increased awareness of ACS and AACT programs. The picture of Craig McLauchlan, Mike Appell, and Greg Ferrence receiving the Award at the Ceremony is available at:

https://www.flickr.com/photos/acspostersession/36503902090/in/album-72157688294220235/

Below is the poster presented at the Awards Ceremony and a big thanks to Mike Appell for assembling it.
IL Heartland ACS Local Section participates in the IL State Fair
ACS activities (Aug 2017)

By Hind Abi-Akar

The ACS has been participating in the IL State Fair showcasing chemistry and science demonstrations in this very largely attended state and regional event for many years. This Aug, Hind Abi-Akar accompanied by Reema Abi-Akar volunteered at the ACS tent representing IL Heartland ACS Section.

It was a great activity. The ACS tent is quite spacious and was full with tables with specialized hands-on chemistry and science activities manned by enthusiastic volunteers. The tent was lined with engaging posters and images that capture science principles. The main show, however, was presentations, by passionate and animated chemists, given every half an hour or so to full audience who would wait patiently for the “show”. These were fun and educational demos and left the audience in awe. The demos showed principles of pressure and volume, fluids dynamics, aerodynamics, fun with colors and motion, magnets, secret messages, etc. Parents and children were fully participating in all the activities, asking questions and expressing wonder.

Throughout our hours of volunteering, we did not have a break. There was a constant stream of families and attendees going through the tent. This is certainly a great opportunity to engage a large number of the citizens of our region and state in captivating science and to plant the seed of loving science in young impressionable minds.

I certainly plan to participate next year and invite all of you to visit. You will feel the same pride of our ACS society that we felt in this impressive fair! This was ACS at its best. Below are pictures from the State Fair Tent with Hind Abi-Akar and Craig McLauchlan helping out:
The Peoria Riverfront Museum is having their Science Rocks event on Saturday, September 9 from 11am-3pm.

Our local section will have a booth at the Peoria Riverfront Museum this Saturday, September 09, 2017 from 11am-3pm. We will also have information about the upcoming 30th Anniversary of National Chemistry Week, with the theme of "Chemistry Rocks!"

Science Rocks! FREE DAY
Sat, Sept 9 | Activities 11-3

Lobby
Meet chemists and other scientists who will bring cool activities for you to enjoy. All activities, galleries, and public planetarium shows will be free and open to the public. Activities will be held in the Museum Lobby from 11-2.

More info on the Illinois Heartland section of the ACS (American Chemical Society). – click here. For more info on the Ag lab (USDA-ARS National Center for Agricultural Utilization Research (NCAUR)). - click here.

Free and open to the public
The Giant Screen Theater is not included in the free day.

More info is also available at the Museum or by phone: 309.686.7000.
INFORMATION: Next Local Section Meeting September 21 at Illinois College in Jacksonville:

“The Relevance of Chemistry in Healthcare Today: Case Studies” by Andrew Bland, MD, MBA Chief Quality Officer HSHS Medical Group. This talk will use real world examples to illustrate how chemistry is relevant to career choices in health sciences.

7:00 p.m., Thursday, September 21, 2017 Kirby Hall Room 6 Illinois College Jacksonville, IL. We will have dinner with Andrew prior to the meeting at 5:30 at Muggsy’s in downtown Jacksonville if Local Section members would like to join us. Please direct any questions regarding this meeting to Brent Chandler at brent.chandler@ic.edu

MORE INFORMATION:
The East Central Illinois section of the American Chemical Society extends an invitation for all students and professionals in the chemical sciences to attend the 2nd Annual ECI ACS Undergraduate Research Conference featuring posters and presentations on undergraduate research. The conference will take place on Saturday, October 14th in the Alice Campbell Alumni Center at the University of Illinois at Urbana-Champaign. All undergraduates involved in research in the chemical sciences and related fields are invited to submit abstracts. Most abstracts will be accepted and a wide variety of research topics will be considered. Registration is now open and the deadline to submit abstracts is Friday, September 15th. The cost of attendance is $10 for presenters and $5 for attendees. This event is co-sponsored by the ECI section of the American Chemical Society, the UIUC Undergraduate Student Chapter, the ECI Women Chemists Committee at UIUC, the ECI Younger Chemists Committee and the SACNAS Chapter at UIUC. More information can be found on our local section website and event updates will be posted on our Facebook page. Please feel free to contact us with any questions or concerns, and we look forward to seeing you at this year's conference!

Abstract Submission Form

Sincerely,

Hailey J Knox
2017 ECI ACS Undergraduate Conference Coordinator
University of Illinois at Urbana-Champaign
hjknox2@illinois.edu

LATE SUMMER SCIENCE ACTIVITY:

Making Ice Cream: one of the easiest and tastiest science experiments you can do at home, taking advantage of what chemists call Freezing Point Depression.

Modified from: http://blogs.discovermagazine.com/science-sushi/2013/02/26/at-home-science-ice-cream-chemistry/#.WXYGsITyvcs

The general protocol for the experiment:
• Mix together 1/2 cup of half & half (or 1/4 cup of cream and 1/4 cup of milk), one tablespoon of sugar, and 1/4 tablespoon of vanilla and put in a quart-sized ziploc
• Fill a gallon ziploc 1/3 of the way with ice
• Add salt (rock salt or large granules, ideally)
• Place the ice cream ziploc inside the bag of ice and seal the bag
• Mix the ice/water around the inner bag for ten minutes (hint: wear winter gloves to avoid freezing your hands)

...and voilà! The bag of liquid ingredients is frozen into delicious ice cream!

Hint: rinse salt off baggie before opening to get to the ice cream...enjoy 😊

Experimental variations:

try different amounts of salt to ice ratios to evaluate freezing times and textures
try different ratios of cream to milk
try chocolate milk