



*The Toledo Flask*

The Newsletter of the Toledo Section of the American Chemical Society



## It's TRUE: [Toledo ACS to host 2018 ACS Central Regional Meeting](#)

Toledo Section of the American Chemical Society (since 1917) is pleased to announce we will be hosting the 2018 ACS Central Regional Meeting on **June 13 - June 16, 2018**, at the Toledo Seagate Convention Center.

- Theme and logo are being finalized and will be shared as soon as possible.
- Section member volunteers are needed to help catalyze this chemical endeavor in order to reach its full potential and outstanding yield!
- If interested in volunteering, please send an email to <mailto:toledosectionacs@gmail.com> and a member of the Toledo 2018 CERM planning committee will be in touch.

Here's a look at what's coming up for the rest of 2015 for Toledo Section ACS:

### **Monday, October 19: An Open Book Evening with Sarah Everts, Associate Editor of C&ENews and Writer : *A Century of Poison Gas***

Monday October 19, 2015 6:00 PM - 8:30 PM

McMaster Auditorium, Toledo Main Library, Toledo-Lucas County Public Library 325 Michigan Street Toledo, Ohio 43604

**A Partnership Event** to enhance community science literacy and outreach in the Toledo area.

Toledo Section of the American Chemical Society and the Toledo-Lucas County Library proudly presents an **OPEN BOOK** Evening with Ms Sarah Everts, Chemical & Engineering News Associate Editor and Correspondent .

*Topic: A century of poison gas: How the air we breathe was transformed in to a weapon of mass destruction on World War One battlefields.*

**FREE and OPEN to the PUBLIC**

6:00pm social and networking

6:30pm talk followed by Q&A

7:30 pm meet the author reception



## October 20: ACS Program in a Box: *Tales of Lab Safety*

6 pm social and networking

7 pm webinar

Venue to be determined

This Younger Chemists Event will be hosted by the Heidelberg ACS Student Chapter

## October, 2015: NCW @ the Libraries: *Chemistry Colors Our World*

Volunteers Needed

Joanna Hinton, Coordinator (<mailto:toledosectionacs@gmail.com>)

Date	ACS Vol Time * (Program Time)	Library Location
Mon Oct 12	6:30-8:30 pm (7-8)	Waterville branch - teens
Wed Oct 14	2:30-4:30 pm (3-4)	Sylvania Branch - teens
Wed Oct 21	3:30 – 5:30pm (4-5)	Toledo Main - children's
Fri Oct 23	3:00- 5:00 pm (3:30-4:30)	Toledo Heights Branch - teens
Tues Oct 27	3:30-5:30 (4-5)	LaGrange Branch - teens
Thu Nov 5	6-8 pm (6:30-7:30)	Birchard Library in Fremont

- ACS Volunteer time includes ½ hr set-up and clean-up

## November 1, 2015: ACS Student Chapter Social & Networking with ACS President Diane Schmidt

- 5-7 pm social and networking
- Gillmor Atrium (Building 18 on campus map); campus address is 310 East Market Street, Tiffin, OH 44883; parking is available in back of building with a door that leads into the atrium.
- Event is scheduled for Sunday, Nov 1, from 5-7 pm; exciting opportunity for student groups to meet, network and interact AND to talk with ACS President Diane Schmidt.
- ACS will have a driver deliver President Schmidt to Gillmor Atrium.
- Pizza and drinks will be provided by Toledo Local Section ACS.
- Open to ACS & chemistry students (graduate & undergraduate) at Univ of Toledo, BGSU, Adrian College, Heidelberg College, Tiffin Univ, Lourdes Univ

**Monday, November 2, 2015, 4 p.m. [ACS Advocacy Seeks to Drive Innovation](#), a 2015 Frontiers Lecture in Chemistry by ACS President Diane Schmidt**

- Co-sponsored by the UT Student ACS Chapter, Toledo Local Section of ACS and University of Toledo Department of Chemistry & Biochemistry
- **2015 FRONTIERS IN CHEMISTRY LECTURE**
- Dr. Diane Schmidt, 2015 President of the American Chemical Society
- Title of Lecture: [ACS Advocacy Seeks to Drive Innovation](#)
- Monday, November 2, 2015; 4 p.m. WO 1205, Wolfe Hall, University of Toledo
- Inquiries can be made of: Ajith Karunarathne 419-530-7880

**November 2, 2015, 6-9:30 pm: Toledo Section ACS Annual Meeting & Awards Night with Keynote Talk by ACS President Diane Grob-Schmidt**

**@ Wildwood Preserve MetroPark Ward Hall  
Monday, November 2, 2015 from 6-9:30 pm**

EVENING SCHEDULE:

**6:00 pm Check-in**

**Social & networking**

**Finger foods, beer, wine, soda**

**6:45 pm Welcome by Toledo Local Section Chair Frank Butwin**

**Brief section business**

**7:00 pm Introduction of ACS 2015 President Diane Grob Schmidt**

**7:05 pm Keynote Address by ACS 2015 President Diane Grob Schmidt**

**Thermodynamics of Leadership**

**Q&A**

**Followed by Presentation of Awards and Recognitions**

**After Presentation to Awardees, please continue to socialize until 9:30 pm when it is time to end the celebration and clean - up.**

We plan to recognize our 50 and 60 year ACS members, our section's high school teacher of the year, our section's Nalley Award Nominee, our section's Partner in Progress and Prosperity Award Winner, our section's ACS Outreach Volunteer of the Year, our officers and all of our volunteers.

We also will display our ChemLuminary Award (we picked up at National ACS Meeting in Boston on August 18) to liven up the festivities!

**Make RESERVATIONS by October 19, 2015 [\(Registration form\)](#)**

- TICKETS: \$25 for ACS members, their guests, public

- \$15 for students & retired, emeritus or unemployed chemists
- After October 19, ticket price increases
- TICKETS: \$30 for ACS members, their guests, public
  - \$20 for students & retired, emeritus or unemployed chemists
  - OPEN TO THE PUBLIC

Invitations and reservations form was mailed in September

[Awards Flyer & Registration form](#)

## November, 2015: NCW @ the Imagination Station: *Chemistry Colors* *Our World*

Volunteers Needed

Edith Kippenhan, Coordinator ([edith.kippenhan@utoledo.edu](mailto:edith.kippenhan@utoledo.edu) or <mailto:toledosectionacs@gmail.com>)

Date	Imagination Station hours; demo times to be set within	Volunteers needed (1 - 4 hr shifts)
Tues Nov 10	10 am – 2 pm	
Wed Nov 11	10 am – 2 pm	
Thurs Nov 12	10 am – 2pm	
Fri Nov 13	10 am – 2 pm	
Sat Nov 14	10 am – 4 pm	

## November 10 , 2015: Establishing and Protecting Your Intellectual Property

Toledo Section ACS will host this Webinar at Washington Branch Library (from 6:30 - 8:15 pm, Tuesday Nov 10, 2015)

Washington Branch Library is located at 5560 Harvest Lane Toledo, Oh 43624

FREE & OPEN to ACS Members and PUBLIC

### Establishing and Protecting Your Intellectual Property

Tuesday, November 10, 2015 @ 7:00pm ET



Join us to discover how to properly protect your IP in the early stages of developing your company as well as how to take full advantage of current laws to maximize your IP coverage for the long run.

### What You Will Learn

- Common issues that small businesses face with safety and biggest causes of accidents
- How to develop a safety process from scratch
- Where to find resources & guidelines
- Manufacturing difference between U.S. & China
- Much, much more...

### Experts



[Robert Kotch](#) Millbank



[Justin Hasford](#) Finnegan Henderson Farabow Garrett & Dunner, LLP



[David Harwell](#) ACS Industry Member Programs

## ACS PROGRAM A BOX

### Produced By

ACS Program-in-a-Box greatly acknowledges support from Dr. Diane Grob Schmidt, 2015 ACS President, and financial sponsorship from P&G.



[Diane Grob Schmidt](#) 2015 ACS President



ACS Webinars<sup>®</sup>  
CLICK \* WATCH \* LEARN \* DISCUSS

**P&G**

*Procter & Gamble*

[ACS Industry Member Programs](#)

### The Fine Print

ACS Webinars<sup>®</sup> does not endorse any products or services. The views expressed in this presentation are those of the presenters and do not necessarily reflect the views or policies of the American Chemical Society.

## **SAVE THE DATES: 2016 Section Meetings & Events**

- **Thursday, March 3, 2016:** An OPEN BOOK Science Author EVENT with Ms. Jeanette Brown, author of *African American Women Chemists*, Oxford University Press. with co-sponsors Toledo-Lucas County Public Library and NW Ohio Chapter of the Association for Women in Science time to be finalized but likely 6 – 8 pm, McMaster Auditorium, Toledo Main Library
- **Wednesday, April 6, 2016:** Social & Dinner & Tour of Dana Corporation Metallurgy Labs
  - 5:30 – 7:00 pm Social & Dinner (cost on your own) at Carraba's Italian Grill, off Dussell Dr. Maumee
  - 7:00 pm Tour of Dana Corporation Metallurgy Labs

### **Other News:**

Election Ballots for 2016 Officers of Toledo Local Section of ACS will be mailed out shortly.

Candidates are listed below:

- Chair-Elect 2016 (Assumes Chair 2017): Jim Zubricky (Treasurer 2013-15)
- Secretary 2016: James Slama (Secretary 2014-15)
- Treasurer 2016: Zane Wilhelm (Active Student member) and Derek Wolfe (Active Member)
- Councilor (3 yr term 2016-2019): Andy Jorgensen (Current Councilor) and Brenda Snyder (Current Alternate Councilor)
- Alternate Councilor (3 yr term 2016-2019): Brenda Snyder (Current Alt Councilor) and Katherine Wall (Active Section Member)

## **SECTION EVENT HIGHLIGHTS (in case you missed)**

### **August 18, 2015: 2015 ChemLuminary Award at 250th National ACS Meeting in Boston**

#### ***CONGRATULATIONS***

Toledo Section ACS was recognized and awarded a **ChemLuminary Award** for our OPEN BOOK Program last year, featuring Sam Kean, at the 250th National ACS Meeting in Boston, MA, Tuesday, Aug 18; and our effort to increase Senior Chemists' participation in our events.

#### **The Toledo Section's first ChemLuminary Award!**

The Award will be on display at our [Oct 19 OPEN BOOK](#) meeting/event at McMaster Auditorium featuring Science Journalist & former Associate Editor of C&ENews, Ms. Sarah Everts, as well as at our [Nov 2 Awards Evening Event](#) & Meeting at Ward Pavillion, Wildwood Preserve MetroPark.

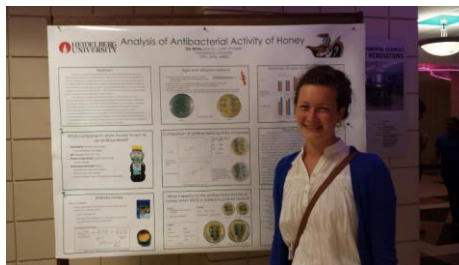
Hope you will be able to attend one if not both of these program events!



Check Out our photo album from Boston <http://toledosection.sites.acs.org/apps/photos/>

## August 20, 2015: 3rd Annual Project Seed Mini-Symposium & Poster Evening

3rd Project SEED Symposium sponsored by Toledo ACS at U Toledo, Thursday Aug 20, 2015, was well attended (47 with 20 ACS members & 27 students/family). Pizza & cookies were enjoyed during social & networking. 4 Project SEED students gave excellent presentations on their summer research: Harmonie Christian, Sabine Ayoub, Samar Ayoub, and Sabrina Cereceres. Lily White, undergrad at Heidelberg, shared her poster. CONGRATULATIONS to all!



our Facebook page or <http://toledosection.sites.acs.org>

For more photos visit

## September 25, 2015: STEM-in-the-Park

**WHAT A FABULOUS OUTREACH EVENT! MAJOR SUCCESS & FUN!**

Event easily attracted 1500+ attendees! at BGSU Field House. This FREE NWOHio event has been growing steadily, and we were very happy to participate this year and look forward to next year.

We started early with the NCW Theme: Chemistry Colors Our World for this event. We easily interacted with 400+ kids and similar numbers of adults with hands-on take-home projects: make a rainbow catcher and make a spectroscope. Also had great table display with spectroscope and gas discharge tubes, on Universal pH Indicator colorful test tubes, and showed video on changing color of leaves by ACS REACTIONS VIDEO. STEM-in-the-Park also provided copies of an ACS take home experiment: *Colors on the MOOOooooove* Student ACS Chapters from Univ Toledo and BGSU were also on hand with separate demo tables. UT did *Ziploc Lava Lamp Bags* and BGSU did “*make your own ice cream in a bag*”

Check out the entire photo album from the event: [Photos](#)



Great group of volunteers at STEM, still standing after 4+ hours: Joanna Hinton, Celine, Lexi, Shelby, Terri Mortemore, Ken Meinecke; not pictured here: Zane Wilhelm, Danny, Scott Kirchhoff and Jon Kirchhoff

## Wed Sept 30: **UToledo Dept of Chemistry & Biochemistry CENTENNIAL RECEPTION CELEBRATION** hosted by us, Toledo Section ACS

### *CONGRATULATIONS and HAPPY BIRTHDAY!*

Happy Birthday to the University of Toledo Department of Chemistry and Biochemistry - 100 years of success and growth! Centennial Lecture by Dr. John Warner, with delightful introduction by Paul Anastas, exceeded everyone's expectations and points to a positive **GREEN** future! Reception, hosted by the Toledo Local Section of the American Chemical Society in Libbey Hall afterwards, was festive and well attended (100+) with remarks by Toledo Section ACS Chair Frank Butwin (photo below), U Toledo Dept of Chemistry & Biochemistry Chair Jon Kirchhoff, and U Toledo President Sharon Gaber, and distinguished guest Nina McClelland.



More photos in our album on webpage: <http://toledosection.sites.acs.org/apps/photos/>

## Summer 2015 Library Outreach Program: **SUCCESSFUL SUPERHERO Super Chemistry**

Hands-on demonstrations at local libraries within Toledo Section area in conjunction with the 2015 summer reading programs. 2015 National Summer Reading Program theme: Super Heroes

Toledo Section ACS volunteers visited 9 libraries in summer of 2015 and interacted with over 150 youth. Programs were modeled after Chemistry Ambassador Classroom kits and could handle 24-30 youth at a time working in pairs. Pre-registration at libraries was encouraged. Six libraries within the Toledo-Lucas County Library system, 2 libraries within Wood County (Way Public in Perrysburg and Rossford Public in Rossford), and Birchard Library in Fremont, OH, (Sandusky County) were visited. Activities in the hands-on kits included invisible ghost crystals, glow sticks, color change camouflage, and super slime. Favorite activities varied at different sights. Success of program was evaluated by attendance of youth (over 150), number of ACS volunteers (9) plus 5 non-ACS high school student volunteers, number of participating libraries (9, 125% increase from 4 last summer), thumbs up and oral feedback at each session, smiles generated (lots!), and compliments by parents



and librarians! Several of the volunteers helped out at more than 1 event. Highly successful! Toledo ACS thanks the ACS Committee on Community Activities for a mini-grant of \$500, which went to purchasing supplies and volunteers' thank you gifts. Generation donation by Mark Tomczak of his delightful Superhero Elements products (4 posters, 2 books and several decks of element cards) was truly appreciated. One of the biggest challenges we faced is not knowing to what extent each individual branch library promotes our free program; TLCL system provides them with excellent info, summer reading brochures for distribution at each site, great website with our events included; nevertheless we encountered varying degrees of receptivity and enthusiasm from librarians at different branches. When all was said and done, it was a great experience for all who participated! We hope to continue program next summer and are anxiously waiting to learn of the 2016 Summer Reading Program National Theme to develop our summer chemistry outreach program.

**Thank you to the VOLUNTEERS!** You made it a super special summer for many Toledo youth! Hope to see you next year!

See our great collection of summer outreach photos <http://toledosection.sites.acs.org/> or on our facebook page <https://www.facebook.com/pages/Toledo-Section-American-Chemical-Society/128610157192543?fref=ts>

## Congratulations:

### **Toledo Lucas County Library and Toledo Chemists Honored as Partners in Progress and Prosperity**

The Toledo-Lucas County Library System and the Toledo Local Section of the American Chemical Society (ACS) were honored recipients of the Central Regional P3 Award (Partners in Progress and Prosperity) from the American Chemical Society on Friday, May 29, 2015, in Grand Rapids, Michigan. Ben Malczewski, Library Humanities Department Manager, along with Joanna Hinton, Chair-Elect and representing the Toledo Section, each received a framed Award Certificate, a Gold and Silver Medal and jointly split \$1000. award money to further their partnership.

The Toledo Section ACS initiated and developed an outstanding partnership with the Toledo Lucas County Library to bring in chemistry/science authors to their widely acclaimed authors and open book forum series, as a means to promote science literacy and outreach in our community. Last November, together they hosted best-selling science author Sam Kean (*The Disappearing Spoon*, *The Violinist's Thumb*, and *The Tale Of The Dueling Neurosurgeons*) who entranced a capacity audience at McMaster Auditorium with his wit and historical tales of science. This October 19, 2015, the partners will co-host science writer Ms. Sarah Everts, who will speak on the A Century of Poison Gas. Toledo Section ACS will celebrate this award during our Awards Evening Event on Monday, November 2 from 6-9:30 pm at the Ward Pavilion, Wildwood Preserve MetroPark, which also will feature ACS President Diane Grob Schmidt.

## KUDOS to our 2015 ACS 50 and 60- year Members:



- ☆ Dr. George Burtis Clemans (50)
- ☆ Dr. Gilbert Nelson (60)
- ☆ Mr. Alfred Burzynski (60)

We will celebrate their ACS longevity and present them with Award Certificates during our Awards Evening Event on Monday, November 2 from 6-9:30 pm at the Ward Pavilion, Wildwood Preserve MetroPark, which also will feature ACS President Diane Grob Schmidt.

A recount of all of our events from the first half of this year with pictures can be found on our webpage:

<http://toledosection.sites.acs.org/>

Send your comments about this newsletter to [toledosectionacs@gmail.com](mailto:toledosectionacs@gmail.com)



Co-sponsored by the UT Student ACS Chapter,  
Toledo Local Section of ACS and Department of  
Chemistry & Biochemistry

**2015 FRONTIERS IN CHEMISTRY  
LECTURE**

Dr. Diane Schmidt  
2015 President  
American Chemical Society

ACS Advocacy Seeks to Drive  
Innovation

Monday, November 2, 2015  
4 p.m.  
WO 1205

Inquiries can be made of:  
Ajith Karunarathne  
419-530-7880



## **Job Opportunity: Chemist**

### **Position Overview**

The Chemist will be responsible for the chemical analysis of submitted refractory samples, managing the analytical chemistry laboratory, supervising technicians, standardization and calibrations for all analytical instruments as well as maintaining a safe working environment in the chemical laboratory. The candidate will also be required to act as coordinator of third party laboratories when necessary.

### **Key Responsibilities**

The successful candidate will:

- Perform and/or coordinate chemical analysis of samples submitted to the lab in accordance with generally accepted chemical practices.
- Have the ability to work with all peers to determine the current and future needs of the lab and to identify the equipment and procedures to perform those functions.
- Report results in a clear and organized fashion.
- Maintain a safe and organized work environment.
- Supervise and develop analytical technicians.
- Create and maintain SOP's for the chemical lab.

### **Knowledge/Experience/Skills Needed**

The desired candidate will have:

- The minimum of a Bachelor's Degree in Chemistry, a Master's degree or higher is preferred.
- At least 5 years of experience in an analytical chemistry laboratory.
- Extensive expertise with modern XRF (fused bead and powder pellets) spectrometers, including substantial knowledge of the theory, sample preparation techniques, and software.
- Experience with refractory industry materials, including SiC, and organic compounds and related test methods/instrumentation would be a plus.
- Significant experience with ICP-AES, LECO and other analytical chemistry equipment.
- The ability to troubleshoot analytical issues, equipment and software.
- Attention to detail, documentation, and safety.

The ideal candidate will be action-oriented with a desire to please internal customers through the timely and thorough sharing of information. They will possess integrity and will be able to develop the trust of peers. They will be effective at problem solving and planning tasks, assignments and assistant's duties, and passionate about continuing their technical learning.

### **Working Relationships**

This position reports to the Analytical Lab Manager with secondary reporting to the site Director.

The position offers a comprehensive benefits package and a salary level commensurate with level of skills and experience.

Interested applicants may submit resume and salary requirements to [jim.fisher@vesuvius.com](mailto:jim.fisher@vesuvius.com)

**Recvd: October 12, 2015**