Notes from Chair, Joanna Hinton:

What an awesome year for Toledo ACS! We passed new Bylaws after 35 years and just had them certified by the National ACS Committee on Constitution and Bylaws (C&B) (effective September 12, 2014). We went live with a section WEBSITE (effective September 8). We also have a group on the ACS Network and a section email (toledosectionasc@gmail.com). Even more exciting is we developed a very successful partnership with the Toledo-Lucas County Library System. Together we are bringing you a FREE Evening with Best Selling Science Author, Sam Kean, on November 13 at the Main Toledo Library. Sam has had a busy year with an ACS Board of Directors Speaker Invitation during the San Francisco ACS National meeting in August and a book tour promoting his latest book “The Dueling Neurosurgeons”. We feel extremely fortunate and privileged to host him in November. Please join us for a memorable evening and bring along you’re your families and friends. He is a story teller not just for the scientist but for everyone! Our partnership with TLCLS doesn’t stop there; we participated in their Summer Reading Program FIZZ, BOOM, READ! by hosting 4 hands-on fun events. And we have taken advantage of their free meeting rooms! My gratitude is extended to the many volunteers and officers of this section who have put on some great events for all of us to enjoy. I’m sure you will agree it has been an awesome year. I hope to see you at a future section event!

Let’s keep fueling a positive community chemical reaction! Joanna Hinton

SAVE THE DATES:


Oct 19-25, 2014: National Chemistry Week, CANDY: How Sweet it is! Local Section Events to be held at local libraries; volunteers needed

Nov 8, 2014: Section NCW Outreach Event at Imagination Station, volunteers needed


Thurs. Nov 13, 2014, 6:30pm – 8:30pm: Nov. Section Mtg. and our BIG EVENT for the year: An Evening with Noted Science Author Sam Kean @ McMaster Auditorium, Main Library, Toledo, OH

Tuesday Feb. 24, 2015 6pm-8:30 pm: “Chemistry on the Silver Screen” venue to be announced as we get closer

Saturday April 18, 2015: An ACS Leadership Development Course: “Engaging Colleagues in Dialogue”, open to all ACS members. We will be awarding 8-12 free registrations ($150.) 4 hr; venue & time to be finalized. Stay tuned.
2014 since May! Did you attend any of these events? Learn what you may have missed:

**Summer 2014: FIZZ, BOOM, READ! and HANDS-ON FUN with Toledo ACS**
- June 11th 2-4pm @ Toledo Heights Library
- June 24th 1-3pm @ Mott Library
- July 3rd 12:30-1:30 @ Maumee Library
- July 23 2:30-3:30 @ Sylvania Library

What a great time we had with children of all ages (more than 60 participated) this summer with hands-on polymer fun at 4 branch libraries of the Toledo-Lucas County Library System. We are grateful to our volunteers for putting on an awesome program!

Unfortunately no photo from Sylvania Library.

**JULY 7: Speed Dial: NOAA History**

Ms. Mary Lou Cumberpatch, NOAA librarian, wowed a stellar turnout (~60 attendees) with her presentation during our July section meeting held at Washington branch library! She gave an energetic and fascinating look into history of NOAA with lots of local historical references of maps, weather, great lakes.. plus wonderful insight into useful websites for original & historical documents & current scientific research portals for climate change & weather and educational & fellowship advice for student scientists. She truly wowed the audience! *****
**JULY 10: At the BALLGAME**

A group of about 25 enjoyed watching the Mud Hens take on Pawtucket on July 10 at 5/3 Field on a lovely summer evening. Many also enjoyed a pre-game meal and beverage at Tony Packos. Frank Butwin kept the fun going with a raffle of Mud Hens’ souvenirs for attendees. We made it on the big board during the 5th inning!

Oh by the way MudHens lost 2-11; Pawtucket is now in the International League Championship

**Aug. 21: Project SEED Mini-Symposium**

The 2nd Annual ACS Project Seed Symposium was held on Thursday August 21, 2014 in Wolfe Hall, University of Toledo. This was the 11th consecutive year for University of Toledo Department of Chemistry sponsoring Project SEED students and the second time Toledo Section of ACS has held a mini-symposium and reception for the students, their families, friends, co-workers, faculty and section members. Nice turnout! 3 of the 5 Project SEED students presented their summer work. Everyone was impressed at the caliber of their research, knowledge and their wonderful speaking skills; the audience had to be reminded that yes, these are high school students not graduate students. Ms. Harmonie Christian (mentor Dr. Jared Anderson) spoke on “The Use of Magnetic Ionic Liquids in the Extraction and Isolation of DNA”; Ms. Tamia Reditt (mentor Dr. Cora Lind-Kovacs) spoke on “Negative Thermal Expansion Materials”, and Ms. Crissy Reno (mentor Dr. Jianglong Zhu) spoke on “Stereoselective Synthesis of S-linked 2-Deoxy Glycosides”.

3 ACS Travel Grant student recipients were also on hand to share poster: Amila Devasurendra, Yining Jin, and Hem Raj Khatri shown below with Chair Joanna Hinton.

Many thanks to University of Toledo, Chemistry Dept., College of Natural Sciences & Mathematics, American Chemical Society Project SEED Program & students, mentors, family & friends & Dr. Jon Kirchhoff, Mr. Jim Zublicky, & Dr. Andy Jorgensen for a great evening. *****

**Sept. 9: Chemists talk WATER over Libations, an informal section event.**

ACS members and guests (14) enjoyed the comfortable confines and menu at El Vaquero in Perrysburg, OH (Wood County) as they discussed the ongoing water and microcystin concerns of Lake Erie.
and Toledo communities. All were reminded of the presentations given back in April in celebration of Earth Day by 2 leading local experts on WATER from Ottawa River watershed and Lake Erie watershed whom had foreshadowed drinking water emergency(ies) in the region. Please refer back to May 2014 issue of The Toledo Flask for details on that event.

Thanks to Frank Butwin, Vice Chair for keeping us intrigued and guessing about what we were drinking: tap vs Dasani, Green algae slimed water or ? margaritas or Yeungling or Dos Equis or Naked?

Lively discussion on the assays used by the different facilities testing the water during the Toledo Water Crisis Aug 2-5, 2014: what are LOD (limit of detection), LOQ (limit of quantitation) and error tolerances? And what about the depth of Lake Erie at water intake? And how do we as chemists best communicate to the public our drinking water is SAFE? Thanks to all who came out and learned more about the topic and are better equipped to dispense accurate and safe drinking water facts. *****

Are you concerned about our regional water? Here are 2 wonderful organizations looking for volunteers and interested citizens (they were both present at our April event).

http://partnersforcleanstreams.org/
http://www.lakeeriewaterkeeper.org/

HATS OFF to our 50 year ACS Members:
Mr. John F. Georganl
Mr. A. Walter Long

We will be recognizing our 50 yr members at the BIG EVENT on Nov. 13!

- Are you a computer user?
- Do you like to surf the web to keep abreast of what’s going on?

You are invited to check out and join ACSNetwork, an on-line site for all ACS News, Communities and Groups. Our Toledo Section has it own network group: https://communities.acs.org/groups/toledo-local-section

The Toledo Local ACS Section network will allow you to: * see all upcoming events on a section calendar, * connect with other chemists and chemical engineers in our geographic area, * share your expertise and ideas with others, * provide constructive input on section relevant documents (eg. ByLaws), * offer comments, suggestions and feedback for future & on past programming and volunteer outreach events * and contribute to the public's understanding of chemistry in your community.
VOLUNTEERS NEEDED NOW FOR OUTREACH EVENTS:

Toledo ACS is participating in several different upcoming OUTREACH events.

Are you a good speller? We are recruiting spellers to participate in the annual The Blade Corporate and Community SPELLING BEE benefitting READ FOR LITERACY October 16, 2014 from noon – 3pm. We can write you a note to excuse you from work. Free lunch. Great Cause! Send us an email at toledosectionacs@gmail.com if interested before Sept. 24th.

In celebration of NCW 2014

We need you to be part of the fun of CANDY and volunteer 1-2 hrs of your time. We are in need of volunteers for the following dates:

- Thurs Oct 23 6:30pm – 8:30pm @ Brichard Library in Fremont, OH
- Tues Oct 28 6:30pm – 8:30pm @ Toledo Heights Branch Library
- Sat. Nov. 8 @ Imagination Station (variable times available)

For the 2 library events, the time commitment includes a ½ hr setup and ½ cleanup and about 1 hr engagement with about 25 elementary-middle school children. Toledo ACS will provide materials & instructions for hands-on demonstrations. We would like to have at least 2 volunteers per library date. If available and interested please email Joanna_hinton@hotmail.com or call me at 419-346-8876 as soon as possible.

For Imagination Station NCW Outreach Event please contact Ms. Edith Kippenhan at edith.kippenhan@utoledo.edu

The Toledo Local Section of the American Chemical Society and the Toledo-Lucas County Library proudly present an evening with

Sam Kean

Noted Science Author of The Disappearing Spoon and The Violinist’s Thumb and The Tale of the Dueling Neurosurgeons

Thursday November 13, 2014
6:30 pm – 8:30 pm
McMaster Auditorium, Main Library 325 Michigan St. Toledo, OH

Pre-lecture Reception
Author lecture, Q&A
Book signing reception
READ for LITERACY information table

This is a FREE EVENT and OPEN TO THE PUBLIC; Great for families, non-scientists & scientists alike. Reservations are encouraged by Nov. 10; please email to toledosectionacs@gmail.com with “Sam” in subject line.

Please check out Sam Kean’s website for more information about his books.

- Help us celebrate our section’s 50 year ACS Members!
- Join us to promote the importance of science literacy in our community!
- Support us in our new partnership with the Toledo-Lucas County Library!
- Learn about becoming a volunteer for READ for LITERACY
- Become active again in your Toledo Section and bring new program ideas with you
- The Disappearing Spoon (tales of adventure, betrayal and obsession from the world of the Periodic Table), The Violinist’s Thumb (stories of science, history, language and music, as told by our own DNA), and The Tale of the Dueling Neurosurgeons (tales of the brain and neuroscience).
- Sam Kean was a Guest Speaker at the San Francisco National ACS Meeting in August 2014, courtesy of the ACS Board of Directors.

ACKNOWLEDGEMENTS:
We are very grateful to the American Chemical Society in helping fund this special section event with a Senior Chemists Mini-Grant and a Local Section Innovative Project Grant.
Covalent Bonds

(Dashes of Chemistry News worthy of sharing):

Andy Jorgensen, Councilor, represented our section at the San Francisco ACS National Meeting back in August 2014.

Kudos 😊 to the 5 Project SEED students who spent their summer doing research at the University of Toledo! Your Toledo Section enthusiastically & financially supports Project SEED at UT. Great investment in future chemists!

BRAVO ✰ Chair Joanna Hinton! For applying and receiving 3 different ACS grants to help fund our section events!

✰ Senior Chemists Mini-Grant ($400.) for Nov. 13 Sam Kean Event at Library
✰ Innovative Program Grant ($1600.) also for Nov. 13 Sam Kean Event at Library
✰ LS Leadership Training Grant ($1800.) to cover the registration fees ($150.00 per person) for the first 12 participants that register for our selected course. Engaging Colleagues in Dialogue, to be scheduled in April or May 2015.

IT'S aLIVE! Toledo Local Section Website check it out!

Oct 19-25, 2014

National Chemistry Week

CANDY: How Sweet it is!

Interested in volunteering to help out with SWEET CHEMISTRY CANDY DEMOS at Imagination Station or local libraries? Please email your interest to ToledoSectionACS@gmail.com and your email will be forwarded to our NOW Coordinator.

ATTENTION FACULTY of LOCAL COLLEGES & UNIVERSITIES! ✰

BGSU, Adrian College, Lourdes, Defiance, Siena Heights, Owens CC, Tiffin U., Heidelberg, and others within our 7 NWOH counties and Lenawee County in MI?

Do you have an active ACS student chapter?
Or want to get one started?
Need financial assistance?

It is an easy Process and we are willing to help! Please email ToledoSectionACS@gmail.com and request information on how to get started. The Executive Committee would love to visit your location and help plan a start-up event with you! Have you heard about ACS WEBINAR–in-a-BOX? They are FREE! And provided to you by Collaboration with ACS Younger Chemists Committee, ACS Careers, and ACS Webinars. All you have to do is register and secure a venue with computer and projector! Great, easy first chapter event! Hope to hear from you soon!
Toledo Section Bylaws’ Update

Can you believe it? Toledo Section has been operating under bylaws that date back to 1979. Really? Yes, it’s true.

However, times are a changing! The Proposed Updated bylaws were APPROVED at our August 21, 2014 meeting by a majority of section members in attendance. HOORAY! The ACS Committee on Constitution and Bylaws (C&B) has just certified our Bylaws, effective September 12, 2014.

In 2015, we will investigate how to implement secure on-line balloting, but for this year we plan to mail ballots as in the past.

Our appreciation to all members who read, reviewed, commented on and voted on the new Bylaws!

SAVE 2015 DATES

- Tues. Feb 24, 2015 6pm – 8:30 pm “Chemistry on the Silver Screen” ; Networking, Webinar & Live Q&A, light refreshments; no cost; Venue to be announced

- Saturday April 18, 2015 An ACS Leadership Development Course: “Engaging Colleagues in Dialogue”, open to all ACS members. We will be awarding 8-12 free registrations ($150.) 4 hr; venue & time to be finalized. Stay tuned.

YOUR 2014 Toledo Local Section Officers

Chair (2014): Joanna Hinton, 419-346-8876 (c) joanna_hinton@hotmail.com
Vice-Chair (2012-2014): Frank Butwin, 419-270-0622 (c) fb21@wcnet.org
Treasurer (2013, 2014): Jim Zubricky, 419-494-9536 (c) james.zubricky@utoledo.edu
Secretary (2014): Jim Slama, 419-508-0244 (c) james.slama@utoledo.edu
Councilor (to 12/31/15) : Andrew Jorgensen, 419-344-0768 (c) andy.jorgensen@utoledo.edu
Alternate Councilor (to 12/31/15): Brenda Snyder
Past Chair, 2012-2013: Tina L Hubbell
National Chemistry Week and Science Day Coordinator: Edith Kippenhan,
Univ. Toledo Student Coordinator: Edith Kippenhan,
Chemistry Olympiad Coordinator: Somnath Dutta.

Did you know that some of our chemists enjoy other things beside chemistry? Yes, it’s true! Here’s one example: Frank Butwin is a history buff. He portrays General Anthony Wayne at local events. Here he is at the commemoration of the 220th Anniversary of Battle of Fallen Timbers @ Fort Miamis along the Maumee River, celebrating his victory over the Native Americans after the battle (Aug 20, 2014).
QUESTIONS / COMMENTS / WANT INFORMATION / PROGRAM DATES / WANT TO VOLUNTEER?

5 WAYS

1. You are welcome to contact any of your Section officers directly.

2. We now have a section email for your convenience to contact us. We are also using this email to send out program announcements and newsletters, etc. We hope you find it helpful. ToledoSectionACS@gmail.com

3. You are invited to check out and join ACSNetwork, an on-line site for all ACS News, Communities and Groups. Our Toledo Section has it own network group: https://communities.acs.org/groups/toledo-local-section

4. Visit Toledo Section on FACEBOOK https://www.facebook.com/pages/Toledo-Section-American-Chemical-Society

5. Visit our Toledo Section Website out on the internet for all to find!

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**Seeking Chemists Who Can SPELL**

*All the Buzzzzz is true!* The Blade’s Corporate & Community Spelling Bee Presented by O-I and Buckeye CableSystem benefiting Read for Literacy is not your average Spelling Bee! Designed for team camaraderie, the Bee is a fun way to support literacy. Toledo ACS supports Read for Literacy; we had a 4-person team in last year’s Bee and finished within top 10 scores (54 teams participated). I bet we can do even better this year. It’s a great way to enhance community visibility of Toledo ACS & promote science literacy. We are in need of 3 volunteers to be on this year’s Working Bees team. Date for Bee is Thursday October 16 from noon-3pm. If you are interested and can SPELL, contact Joanna Hinton via her email or cell or ToledoSectionACS@gmail.com before Sept 24.
Sam Kean’s stories have appeared in *The New York Times Magazine*, *Mental Floss*, *Slate*, *Psychology Today*, and *The New Scientist*, among other places, and his work has been featured on “Radiolab” and NPR’s “All Things Considered,” among other shows.

- **Book discussion**
- **Q&A session**
- **Book signing**

His books *The Disappearing Spoon* and *The Violinist’s Thumb*, were national bestsellers, and both were named an Amazon “Top 5” science books of the year. *The Disappearing Spoon* was nominated by the Royal Society for one of the top science books of 2010, while *The Violinist’s Thumb* was a finalist for PEN’s literary science writing award.

For information call 419.259.5200

Reservations are encouraged by email to toledosectionacs@gmail.com
You are INVITED to a FREE SECTION MEETING and EVENT
Sponsored by the Toledo Local Section

Speaking Simply
Communicating your science

Tuesday, October 7, 2014

• 6:00 pm ET Networking & Activities & Light Refreshments
• 7:00 pm ET Webinar
• 7:30 pm ET Live Q&A

LOCATION:
123 Overman Hall on BGSU campus
Bowling Green, OH

Speakers:
Douglas Dollemore,
ACS Office of Public Affairs
Darcy Gentleman,
ACS Office of Public Affairs

Please RSVP by no later than noon on Monday October 6 in order to plan adequate refreshments
toledosectionacs@gmail.com

A Program in a BOX: A Collaboration with ACS Younger Chemists Committee, ACS Office of Public Affairs, and ACS Webinars®

American Chemical Society
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