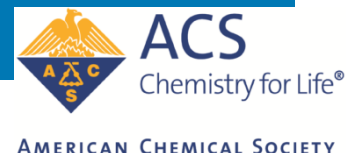


# The Accelerator

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY



JUNE 2016

## Chair's Corner BY LINDA OSBORN

Greetings Section Members,

This 2016 second edition brings great news as our section has been very busy. Since our last newsletter, Ryan Jeske led the way for "Science Day" at Ball State, we hosted an ACS booth at the Heritage Earth Day Celebration, Kathy Stickney hosted an outstanding "Awards Banquet" at University of Indianapolis where Bob Pribush recognized all of the USNCO winners and 3 of our 50/60 year members gave outstanding speeches to the 72 people in attendance. These three members were Dr. Don Rainey, Dr. Henry Peresie, and Dr. Thomas Cortese, Jr. MD, our sixty year member, who is still working as a dermatologist specializing in skin diseases and conditions. I was truly touched by the words they spoke at the banquet.

A few of us participated in the ACS Central Regional Meeting organized by the Cincinnati Section where Tamiko Porter arranged for us to sponsor two student winners from the Poster session to attend. We also sponsored ACS awards at the SEFI science fair, and our committee and event chairs are scurrying to organize many other exciting member and outreach events in the months to come.

By the time of this publication, Amy DeBaillie and Paul Morgan will have hosted our "Leadership by Influence" event with speaker Jeannie Phillips. Ann Cutler has been diligently working on grant submissions. Our team is talented and hard-working; a winning combination. I'd like to personally thank all of our executive committee who have been using their talents and time to facilitate these events, including Matt Gardlik for his personal sponsorship of our upcoming event **"Chemistry Solves Art Mysteries at the IMA"**.

I look forward to seeing/meeting you at the upcoming events. Please read all about them in the event ads or articles to follow.

It is my pleasure to announce that we are finalists for five ChemLuminary Awards for the 2015 events shown below. Congratulations to all of you who participated in these events. Recipients will be announced and the presentation of awards will occur at the 252nd ACS National Meeting in Philadelphia, PA on Tuesday, August 23, at the Pennsylvania Convention Center in Terrace Ballroom One.

Science Day - Outstanding Continuing Public Relations Program of a Local Section  
*Chair: Ryan Jeske (Ball State)*

Teacher of Chemistry Appreciation and AACT Event - Best New Public Relations Program of a Local Section  
*Chair: Erica Posthuma-Adams (University HS)*

NCW Chemistry Day - Outstanding Community Involvement in NCW  
*Team: Tamiko Porter (IUPUI), Maria Alvim Gaston (Eli Lilly), Tom Xiao (Eli Lilly), Erica Posthuma-Adams (University HS) and Erin Dotlich (Eli Lilly)*

Indiana Section ACS USNCO National Exam Outstanding U.S. National Chemistry Olympiad  
*Chair: Robert Pribush (Butler University)*

Celebrate Science Indiana 2015 - Local Section Partnership Award  
*Chair: Julie Holland (Heritage Research Group)*

The youth in our section are as astounding as our

members! Three Carmel HS students scored in the top 20 on the U.S. National Chemistry Olympiad and competed at the US Air Force Academy for one of four spots on the US team: Miles Dai, Brendan Yap, and Allen Zhang. Tom Xiao's daughter, Vanessa, won first place in the 2016 Indiana State "You Be The Chemist Challenge" for the second year in a row as a 6<sup>th</sup> grader! Maria Alvim-Gaston's daughter, Ana, won the K-12 ACS Volunteer of the Year for the Indiana LS. Many of you are certainly passing on your passion for chemistry to the next generation.

## Table of Contents

Chairs Corner_____	1
2016 ACS Awards Banquet – Indiana Section ACS_____	3
Event - Solving Art Through Chemistry at the IMA_____	6
Ball State Science Day 2016_____	7
Event – Celebrate Science Indiana_____	7
Heritage Celebrates Earth Day 2016_____	8
Event – Chemistry of Cheese_____	8
Event – Chemistry of Beer_____	8
Member Spotlight – Bob Pribush_____	9
CERM 2016_____	10
Event – Brainstorming Session for National Meeting 2023_____	11
28th Hoosier Science and Engineering Fair_____	12
Event – Baseball Night_____	13
Student Affiliates: Follow-Up to "Think Like a Molecule"_____	14
Impress for Success 2016_____	15
CINSO Sponsors Pint of Science_____	17
Election Reminder_____	17
Event – Engaging and Motivating Volunteers_____	18
Event – National Chemistry Week_____	18
Calendar of Events_____	19

Executive Committee	
Chair	<i>Linda Osborn</i>
Chair-Elect	<i>Tom Xiao</i>
Secretary	<i>Tamiko Porter</i>
Councilors	<i>Robert Pribush</i>
	<i>Brian Mathes</i>
	<i>Christina Bodurow</i>
	<i>Beth Lorschach</i>
Alternate Councilors	<i>Amy DeBaillie</i>
	<i>Robert Sammelson</i>
	<i>Sibel Selcuk</i>
Past Chair	<i>Matt Gardlik</i>
Treasurer	<i>Paul Ridenour</i>
Member-at-Large	<i>Paul Morgan</i>
	<i>Greg Smith</i>
	<i>Maria Alvim-Gaston</i>
Committee Chairs	
Awards	<i>Katherine Stickney</i>
Celebrate Science	<i>Julie Holland</i>
Education	<i>Robert Pribush</i>
Events	<i>Rob Sammelson, Amy DeBaillie, Sibel Selcuk</i>
Grants	<i>Ann Cutler</i>
Kids in Chemistry	<i>Brian Mathes</i>
K12 Outreach	<i>Erica Posthuma Adams</i>
Newsletter Editor	<i>Julie Holland</i>
Newsletter Design	<i>Andrea Moberly, Julie Holland</i>
Project Seed	<i>Elmer Sanders</i>
Project Seed Co-Chair	<i>Josh Taylor</i>
Science Day	<i>Ryan Jeske</i>
Social Media	<i>Erica Posthuma Adams</i>
Webmaster	<i>Matt Gardlik</i>
Women Chemists	<i>Amy DeBaillie</i>
Nat'l Chemistry Week	<i>Tom Xiao, Belgin Canturk</i>
Trustees	<i>David Mitchell, Dawn Brooks, Ann Hunt</i>
2014 Chair	<i>Erin Dotlich</i>

## 2016 ACS Awards Banquet – Indiana Section ACS

By Kathy Stickney

The University of Indianapolis hosted the 2016 Central Indiana ACS Awards Banquet on May 10, which commenced with a keynote address by Natalie Murdock, an ACS Project SEED alumna and current University High School student. Natalie spoke on how support from ACS has shaped her future career goals and given her the opportunity to present at professional conferences.



After dinner, the awards presentations recognized several groups of people from our central Indiana local ACS section, including our distinguished ACS 50- and 60-year members, secondary students and their teachers who excelled in local individual and school competitions, and those students who qualified for and competed at the national level in the United States National Chemistry Olympiad. Winners of the our Chemistry Olympiad exam were recognized in a previous newsletter, but recent results from the U.S. National Chemistry Olympiad showed several of our section's students receiving national accolades, including:

- USNCO Top 20 – Miles Dai, Brendan Yap, and Allen Zhang (all of Carmel High School)
- USNCO Top 50 – Alan Jiang (Lawrence Central); Andrew Wu and Allen Zhao (Park Tudor)
- USNCO Top 150 – Evan Wang, Zionsville High School.

Other awards presented at the banquet included:



### [K-12 Student Volunteer of the Year](#) - Ana Gaston

This award was presented to Ana for being an outstanding K-12 student volunteer at ACS Indiana Section events including Celebrate Science Indiana, National Chemistry Week at the Children's Museum of Indianapolis, and at Conner Prairie's Passport to HiTech.

Ana Gaston

### [You be the Chemist - Indiana State Champion](#) - Vanessa Xiao

*You be the Chemist Challenge* is an interactive academic contest that encourages students in grades 5-8 to explore chemistry concepts and their real-world applications. Vanessa has received top honors in the You be the Chemist Indiana State Championships for two consecutive years.

Dr. Tom Xiao and Vanessa Xiao



Salutes to Excellence Award - Jianping Huang, Eli Lilly & Co.

This award was presented to Dr. Huang for his service as Indiana Section ACS Chemistry Olympiad coordinator for the past 8 years. Under his direction, multiple Indiana Section students have finished in the Top 20 of the National Chemistry Olympiad competition, including one student who competed on the United States team and won a gold medal at the International Chemistry Olympiad in Moscow.

Special Recognition of Service - David Mitchell, Eli Lilly & Co.

The Indiana Section ACS recognized Dr. David Mitchell, who has served our section in many ways through the years.

Dr. David Mitchell with his new periodic table mug

Hoosier Science and Engineering Fair – Best Use of Chemistry - Phillip Phan

Phillip Phan of East Noble High School was recognized for receiving 2<sup>nd</sup> place in “Best Use of Chemistry” at the 2016 Hoosier Science and Engineering Fair for his project entitled: Water Hyacinths: Effects of Fertilizer Contaminants on Regulation of Copper in Wetlands.



Philip Phan

Past Chair - Matthew Gardlik

The section would like to thank Matt Gardlik for his excellent leadership through 2015.

Matt Gardlik

Gladysmae Good – Teacher of Chemistry Award

This award was presented to a teacher for outstanding leadership in K-12 Chemistry Education, for challenging and inspiring students in the field of Chemistry, and for extracurricular work in chemistry to stay current in the field and to make a difference in the community.

The 2016 nominees were:

Marilyn Weiss–Park Tudor School

Lori White–Cascade High School

Stacie Stoffregen–Greencastle Middle School



**Stacie Stoffregen was the 2016 winner!**

Fifty-Year Members
Ms. Louise Crandall Dr. David Peterson Dr. Robert Hooker Dr. James Preer Dr. Thomas Jackson Dr. Donald Rainey Dr. Henry Peresie

Sixty-Year Members
Mr. Ralph Carmichael Dr. Thomas Cortese, Jr.

Thank you to all of our long term members of the ACS. Dr. Henry Peresie and Dr. Donald Rainey, both 50 year members, as well as Dr. Thomas Cortese, a 60 year member, spoke to the banquet attendees.



Dr. Henry Peresie



Dr. Donald Rainey



Dr. Thomas Cortese, Jr.

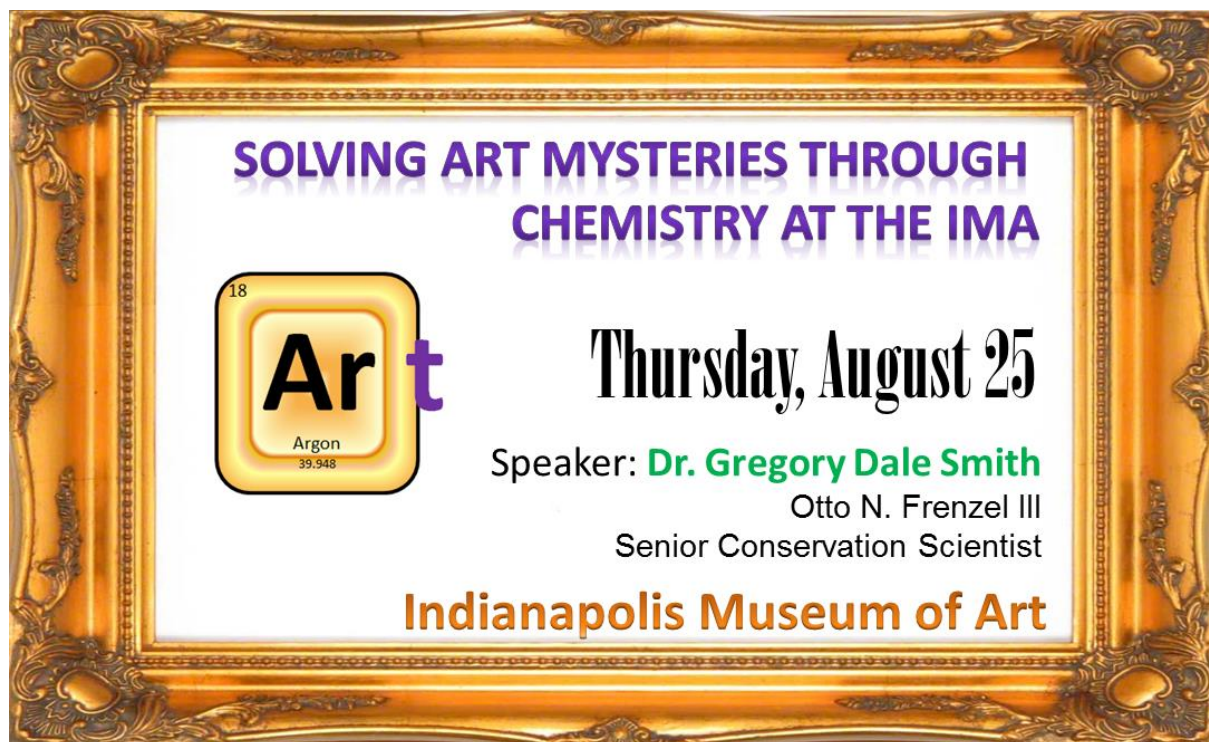
Finally, the Indiana Section gratefully acknowledges Steve Chase and Fancy Fang for photography at the event. The well-attended banquet brought together people of all ages and experience levels in chemistry, and gave our section's high-achieving young scientists a firsthand look at how the ACS could shape lives and careers for future success. Mark your calendars for next year's event: Tuesday, May 9, 2017!

***Congratulations to all of the 2016 awards winners!***

**Don't miss the 252<sup>nd</sup> ACS National Meeting & Exposition in Philadelphia, August 21-25**



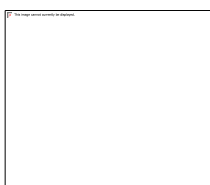




## Registration Now Open for Popular Event at the IMA

BY DR. GREGORY DALE SMITH  
FRENZEL III SENIOR CONSERVATION SCIENTIST

Join fellow ACS Local Section members and leaders in the cultural heritage sector to hear about the role of chemistry in solving mysteries surrounding the artworks at the Indianapolis Museum of Art. In recognition of the 2016 National Chemistry Week theme of using chemistry to solve mysteries, I will speak about my use of chemistry to discover lost paintings, detect forgeries, and my recent research repurposing the oldest synthetic pigment, Egyptian blue first synthesized in 3200 BCE, as a luminescent fingerprint dusting powder to identify modern-day criminals. A reception with light refreshments will be available prior to the 7 p.m. lecture. In addition, I will run two 30 minute tours of the IMA conservation science lab at 5:45 p.m. and 6:20 p.m. Lab tours are limited to the first 40 attendees. In addition, the IMA is also sponsoring two science-based gallery exhibitions that I curated that are available to museum members and visitors who purchase a day pass. The ACS reception, lecture, and tours are free to ACS members who registration for the event at the link below. Since we are anticipating a capacity crowd (125 seats), registration is reserved for **LOCAL SECTION MEMBERS ONLY AND GUESTS** until July 15 at which time the remaining seats will be made available to the general public. Sponsored by your ACS Local Section and Dr. Matthew Gardlik, ACS LS past chair, we hope you will enjoy this fascinating merger of science and art and the networking opportunities during the reception.



## Ball State Science Day 2016

by Ryan Jeske



Ball State Student Affiliates of the ACS held their annual Science Day on April 16, 2016. This year the event was located on the first floor of the Cooper Science Building, which, while convenient from a logistical point of view, caused the activities to be very spread out, and attendees sometimes had trouble finding all of them. Next year we are going to work on getting back into the Ball Gym, which allowed all the activities to be located in one large space.

This year, there were over 70 volunteers from 6 departments, including a teacher from Yorktown. Unfortunately, the weather did not cooperate. There were icy roads and sidewalks in the morning, and snow flurries throughout the day. This kept attendance low; we estimate that approximately 100 people attended, but this may not quite be accurate as there are many entrances to the Cooper building, and we could not keep watch at all of them.



Even with the low turn-out, the students had fun performing their demonstrations and had lots of time for hands-on activities. Demonstrations included elephant toothpaste, genie in a bottle and fun with liquid nitrogen. They helped attendees make slime, bouncy balls and butterflies by way of chromatography. The participants learned about super absorbent polymers with fake snow, recycling, and physics with an air cannon.



**Volunteers Needed!**

**October 1st**

**Shifts or all day**

Volunteers needed to help hand-on activities and demonstrations

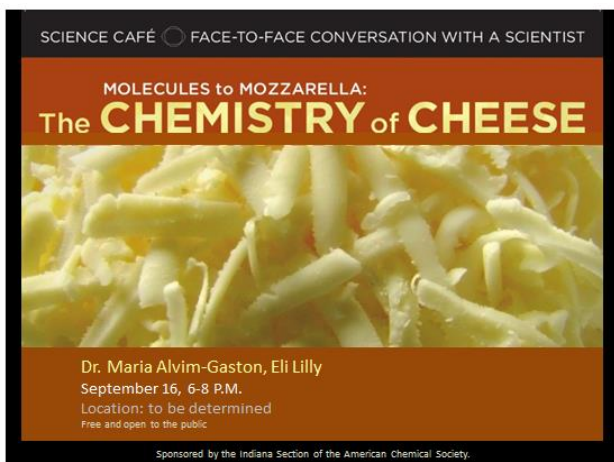
**For more information please contact: Julie Holland@hrglab.com**

## Heritage Celebrates Earth Day 2016

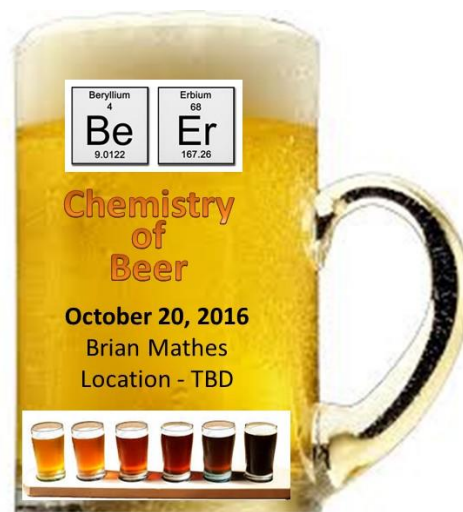
BY LINDA OSBORN

Earth Day was celebrated on the campus of Heritage Environmental Services on Friday, April 29<sup>th</sup>. Several outdoor projects were planned but were postponed due to soggy ground. However, we were able to pick up trash along Morris St including a mattress, and some other interesting items that made us appreciate our gloves. Lunch was served amidst a festival atmosphere that included a DJ from Mix 105, a cold-water dunk tank with brave volunteers to raise money for cancer research, corn hole and networking while people gathered around. An ACS booth was set up to communicate Earth Day information along with other booths designed to offer support for the employees. In the following weeks when the weather was better, under the supervision (and hard work) of ACS member **Bill Gorman**, a trellis was erected and Clematis vines planted to climb their petioles around the wooden slats. A 4' x 4' planter was also built for a garden that will include an element of scientific research. Plans also include the planting of 100 tree saplings on campus according to **Herb Wissel**, Laboratory Director of Heritage Research Group, to help offset our carbon footprint.

Please share with us your Earth Day activities!



Come learn about cheese!  
September 16, 6-8 p.m.



And later, learn about beer!  
October 20





*By Paul Morgan*



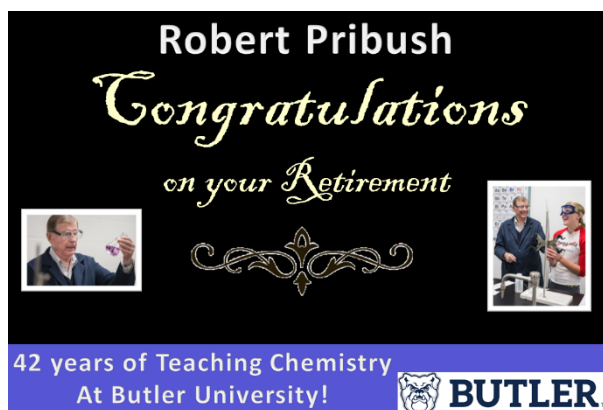
What were you doing in 1974? Robert Pribush was relocating from Los Angeles, CA, where he had spent two years as a postdoc at USC performing laser photolysis of coordination compounds, to Indianapolis to start a career at Butler University and begin his work with the ACS at both the local and national levels. In May of 2016, after 42 years at Butler, Bob retired from a career marked by dedication to the service of developing young people's talents and intellects. Upon retirement, Butler bestowed emeritus professor status on Bob in recognition of his positive impact on the lives of countless Butler students. His work over the years has also been recognized by the American Chemical Society, ACS, which granted Bob ACS Fellow status in 2013 and presented him with the national Award for Volunteer Service to the American Chemical Society in 2014.

At Butler, Bob's teaching, research, mentoring, and advising of students helped to influence the careers of countless teachers, chemists, physicians and other medical professionals. In recognition of Bob's distinguished career, Dean Jay Howard of Butler University asked Bob to be this year's speaker at the College of Liberal Arts and Sciences annual "Last Lecture" given at the end of the spring term

each year. The talk is presented by senior faculty and is intended to pass on the wisdom learned during a distinguished career. During his introduction, Dean Howard explained Bob as his choice due his dedication to helping the development of students. Bob's talk was an inspirational call to recognize students as individuals and support them as such.

Bob's service within ACS was another example his dedication to the development the careers of young people from around central Indiana and across the nation. Working closely with Eli Lilly Discovery Research chemist, Dr. Jianping Huang, Bob's work with the Chemistry Olympiad has allowed numerous students from central Indiana be recognized for their budding talents in chemistry. Bob's ACS work on a national level started with his being a member of the Younger Chemists Task Force that led to the formation of the Younger Chemists Committee, for which Bob served as the second Chair.

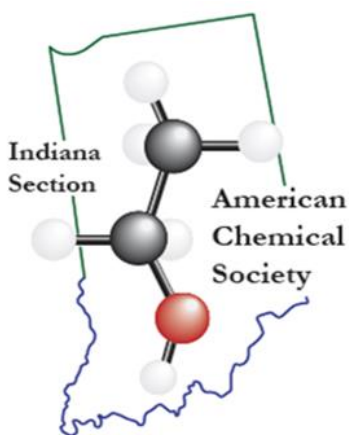
Since joining the Indiana Section in 1974, Bob continued his national level involvement as Indiana Section Councilor for the past 25 years, serving on the Committee on Committees, Committee on Meetings and Expositions, Committee on Nominations and Elections, Committee on Publications, C&E News Editorial Board, Program Review Advisory Group, Council Policy Committee, Membership Affairs Committee, Committee on Economic and professional Affairs, and the Board of Trustees for Group Insurance Plans for ACS Members.



Working with the Division of Chemical Education Examinations Institute, Bob served on six examination committees, chairing committees that produced a General Chemistry Full-Year Exam, an Inorganic Chemistry Exam, and the first DUCK (Diagnostic of Undergraduate Chemistry Knowledge) exam, an instrument designed to assess undergraduate student learning in chemistry taken at the end of their college education. His service to the ACS was recognized in 2013 when he earned nomination as an ACS Fellow.

Bob's retirement plans include continued work with ACS, travel, attending Butler Basketball and Colts games with his wife Bonnie, gardening, photography and philately.

Bob celebrated his retirement with the Local Section ACS at Taxman Brewery on Saturday, June 18.



## CERM 2016 by Christina Bodurow, Ph.D.

The 47<sup>th</sup> Central Regional meeting (CERM 2016) was held May 18-21, 2016 in Covington KY. It was hosted by the Cincinnati, OH Local Section. The theme for the meeting was "Elements and

Strategies for a Better Future". Over the course of four days, there were 10 tracks of technical programming covering a broad range of chemical sciences, from nanoscience to analytical chemistry to chemical education. Approximately 900 members were in attendance, and over 600 papers and posters were presented.

One of the most memorable sessions was the Thursday Evening Banquet honoring Analytical Professor of Chemistry, William Heineman. Professor Heineman gave a comprehensive overview of his research career in electroanalytical chemistry, recognizing many of his past collaborators and students, who were in the audience. He was appropriately recognized with the ACS Division of Analytical Chemistry Award "Distinguished Service in the Advancement of Analytical Chemistry, 2015".

CERM 2016 also offered a significant number of career-related presentations, workshops, and networking opportunities. There were three ACS-related events: "Coaching and Feedback-ACS Leadership Development System Course", "Finding Your Pathway – ACS Career Pathway Course", and "ACS Career Fair." Finally, a workshop was held on Saturday, May 21 led by Professor Joel Shulman, titled "You Have Your Degree: Now What?" This workshop covered a wide variety of helpful topics for students of all levels to help prepare for entering the job market.

The Exhibit Hall provided a strong diversity of participation from a variety of Exhibitors. There were approximately 20 companies exhibiting products and services, 15 universities recruiting students for all levels of chemical study, several ACS Divisions, as well as the Detroit Section raising awareness of their regional meeting next year.


Finally, the Central Region ACS Board and Steering Committee Annual Meeting was conducted on the last day of the conference. There are 25 local sections which comprise the “central region”, and nearly every section was represented at this meeting. Each section hosting meetings in 2015 (Western Michigan), 2016 (Cincinnati), and 2017 (Detroit) presented plans, budgets and shared learning. There was also a robust discussion about hosting future central regional meetings, including Toledo Section in 2018, Midland Section in 2019. The

meeting provided strong positive recognition to Professor Dan McLoughlin and Dr. Roger Parker for their leadership in Chairing the 2016 CERM in Cincinnati.

Please visit the Detroit Local Section Site (<http://detroit.sites.acs.org/>) and start making your plan to participate and contribute to another excellent regional meeting opportunity in 2017.


---

In the meantime, don't forget to join the Local Section ACS for the Blue Sky Event to brainstorm ideas for the 265<sup>th</sup> ACS National Meeting in Exposition which will be held in Indianapolis in 2023!




# Brainstorming Session

**265th ACS National Meeting & Exposition**  
March 26-30, 2023  
Indianapolis, Indiana



**Sept. 22, 2016**  
**University of Indianapolis**  
**6-9 pm**

Christina Bodurow, who led the way for the 2013 National Meeting in Indianapolis, will lead a brainstorming session to help us prepare for the 2023 ACS National meeting.



## 28th Hoosier Science and Engineering Fair

BY LINDA OSBORN

The top high school winners of the Indiana Regional Science Fairs showcased their talents on Saturday April 2 for the State science fair at the Campus Center at IUPUI. Sponsored by the Science Education Foundation of Indiana (SEFI), 120 Senior Division candidates were invited to exhibit. See all winners at: <http://www.sefi.org/hsef/2016Awards.pdf>.

Thanks to all of our members who helped judge these budding scientist experiments. The top winners competing in this division then joined the Indiana Delegation as Intel ISEF Finalists and competed at the 2016 Intel International Science and Engineering Fair in May on an international stage. The top young scientific minds that were

national winners can be viewed at: <https://student.societyforscience.org/intel-isef>.

Our ACS local section sponsored three Regional Science Fair awards for excellence in demonstration of a chemical principle. These “Best Use of Chemistry” award winners and the description of their research is shown below.

SCIENCE EDUCATION FOUNDATION



Name:	Jackson Boyle	Grade:	10	School:	Delta High Scho Muncie
Project Title	C3H8 vs HHO			Teacher:	Lance Brand
AWARD		DESCRIPTION			
Best Use of Chemistry 1st Place		For excellence in demonstration of a chemical principle Certificate and \$250			
Award for Excellence in the Use of the Metric System		Award Certificate			
Intel ISEF Observer (10th Grade)		Opportunity to attend Intel ISEF as an Observer			
Name:	Phillip Phan	Grade:	12	School:	East Noble High Kendallville
Project Title	Water Hyacinths: Effects of Fertilizer Contaminants on Regulation of Copper in Wetlands			Teacher:	Mark Liepe
AWARD		DESCRIPTION			
Best Use of Chemistry 2nd Place		For excellence in demonstration of a chemical principle Certificate and \$150			
Name:	Kaitlyn Rieke	Grade:	11	School:	DeKalb High Sch Waterloo
Project Title	Comparison of Concentration in Consumer Paints using Spectrophotometry			Teacher:	Susan Zuber
AWARD		DESCRIPTION			
Best Use of Chemistry 3rd Place		For excellence in demonstration of a chemical principle Certificate and \$100			





## ACS, Indiana Section Indians Baseball Night Part XV

**Indians play Charlotte Knights**

July 21<sup>st</sup>, 7 PM Game Time!!!! Victory Field \$10

**Chemistry/Baseball Trivia Giveaways!!!**

**SPECIAL PRICING FOR YCC and STUDENT MEMBERS**

**\$5 per ticket.**

Please RSVP to Brian Mathes at [mathes@lilly.com](mailto:mathes@lilly.com)

Or 277-7720 by July 6th

Tickets will be handed out at the 3rd base gate before the game starts.

**TAKE ME OUT TO THE  
BALLGAME!**



## Student Affiliates: Follow-Up to “Think Like a Molecule”

By Julie Holland

As members of the ACS, many of us have attended and presented at ACS meetings, so we understand the importance of being able present our research to colleagues in our field, how this can help us find new directions to take our research, and how we can network with others to help build our career. This past February, the Local Section hosted a poster session called **“Think Like a Molecule”**. Travel awards were offered to the winners so that they could attend CERM this past May. This is what two of the award winners had to say about their experience...

Dear ACS,

I would like to thank the American Chemical Society (ACS) for giving us the opportunity to present our research at the 2016 Central Regional Meeting.

My first experience with the ACS was when I received a letter in my home country (IRAN). It was undoubtedly one of my goals to participate in ACS meetings, as one of the most popular and well-known chemical societies.

Fortunately, I presented my previous master thesis in ACS meeting in Boston last summer and it was one of the most beautiful memories in my life. While obtaining my second master’s degree at Ball State University, I presented two posters at ACS meetings.

The last experience in Covington was really interesting. I met many chemists and I got many ideas. The talks and posters were very helpful to me, familiarizing myself with novel research in the chemistry field. Moreover, the good questions and suggestions about my poster helped me to trouble shoot some of my problems in my project and also opened a new door to the other future projects.

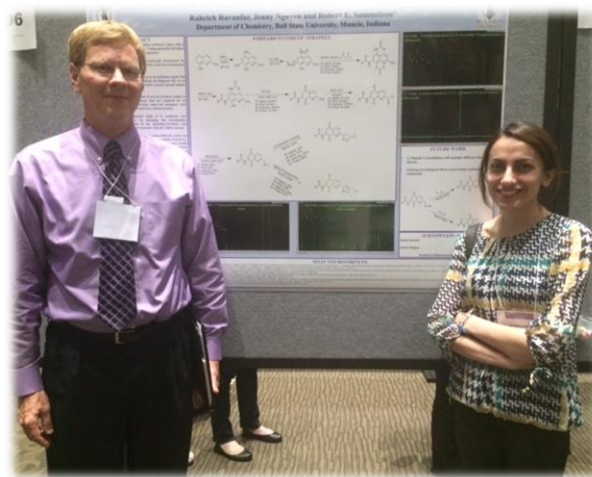
Overall, ACS provides a very scientific and friendly environment, a combination of

academic and industrial experiences for students.

Thank you in advance.

Sincerely,

*Raheleh Ravanfar (Ball State)*



Raheleh Ravanfar with Dr. Robert Sammelson

by Caleb Culy

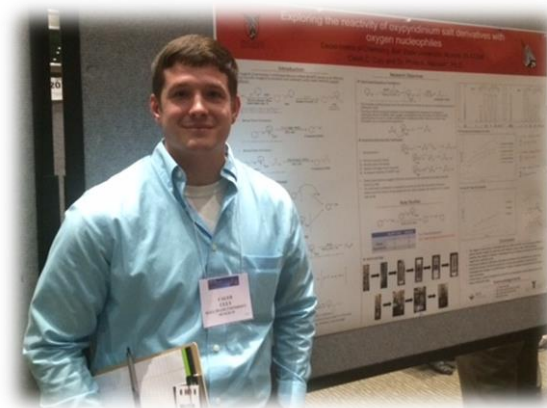
Attending the 47<sup>th</sup> Central Regional Meeting of the American Chemical Society was an exciting and enlightening experience for a young chemist such as myself. I was afforded the opportunity to deliver a poster presentation over my research conducted in Dr. Philip Albiniak’s group at Ball

State University. From the poster session I learned the importance of skillful communication, both orally and visually, as I was often discussing my research with or responding to questions from individuals of various chemistry backgrounds and educational levels. By attending multiple talks, I picked up on several characteristics of an effective oral presentation along with hearing some really interesting science.

The most important lesson I learned from this ACS meeting was the value of networking. This concept was reinforced by a connection I made with Chris Bodurow whom is running for District II Director of the American Chemical Society. She offered excellent advice about making connections and marketing your skills to employers. Furthermore, she offered guidance on the roles and responsibilities of a chemist with a master's degree within the workplace.

Likewise, the ACS career workshop that I attended during the meeting was an invaluable

source of information for starting a career as a chemist. The workshop was led by Gerard Nowaczyk whom covered everything from career pathways in chemistry to acing an interview. The quality of this workshop coupled with the knowledge I gained has certainly inspired me to attend other ACS workshops when I travel to Philadelphia, Pennsylvania for the national meeting.



*Caleb Culy in front of his poster*

---

## Impress for Success 2016

Co-chaired by Tamiko Porter and Kimberly Steward, *Impress for Success 2016* is a workshop designed to help under-represented Minority College and University students maximize their potential for success in STEM professions by giving them the tools they need to do so. Inspirational speakers, mock interviews and networking opportunities are some of the many activities planned for this event. If you would like to help with this event, or know of any students that would like to participate, please contact Dr. Porter at [tnp@iupui.edu](mailto:tnp@iupui.edu). Co-sponsored by the ACS Indiana Local Section, NOBCChE, and IUPUI, *Impress for Success* will be held November 12 from 10am – 6pm at the IUPUI Science Library. Simon Rhodes, the Dean of Science at IUPUI will give the welcome address.

Many of you participated in our 2014 event as mentors. For now, please help us recruit students! Students are asked to participate in a survey – see link in the ad below. We'll be in touch!



[student interest survey](#)



Science ♦ Technology ♦ Engineering ♦ Math



November 12, 2016  
10 am—6 pm

to participate in



## Impress for Success

*Workshop for Advancement of  
Minority STEM College and  
University Students!*



Indianapolis, Indiana  
IUPUI Science Library



- ♦ Inspirational speakers
- ♦ Mock interview segment
- ♦ Resume writing
- ♦ Networking
- ♦ Panel discussion
- ♦ Financial advice
- ♦ Professionals available
- ♦ Food & drinks
- ♦ Give-a-ways
- ♦ And more!

NOBCCChE®



ACS  
Chemistry for Life®

**science@iupui**

[student interest survey](#)





## Sponsors Pint of Science

*By Julie Holland*

On May 23-25, 350 science enthusiasts gathered at three local breweries in Indianapolis to talk about science and share a pint of craft beer at the inaugural Indiana Pint of Science festival. Pint of Science is a global festival which currently takes place in 12 countries across the globe and 13 cities in the United States.

Central Indiana Science Outreach (CINSO) organized the event which took place over the course of three nights at Indiana City Brewery (24 Shelby Street), Black Acre Brewing Co Production Facility (5529 Bonna Ave. #9), and Bier Brewery and Taproom (5113 E. 65<sup>th</sup> St.). Each brewery centered on 1-2 themes for the night including topics in the categories of earth, space, body, mind and society with talks given by local specialists in botany, zoology, engineering, anthropology, neurology, psychology, aeronautics, pharmacology, entomology, and history.

I volunteered one night at Indiana City Brewery checking in registrants, passing out swag bags, meeting fellow volunteers and the organizers, and listening to the talks about the earth. The first talk was given by Mike Homoya, a

botanist/ecologist from the Indiana DNR, who spoke about native the flora and fauna of Indiana as well as the impact of invasive species.

The second talk was given by Joel Vanderbush, a zoologist and Executive Director of Animalia, Inc. Animalia, Inc. is a non-profit organization which specializes in connecting people with animals. This includes behavioral consultation with pets, wildlife rehabilitation, and companion animal training.

Besides the beer, the highlight of the night included both a chinchilla and a snake which were brought out by Animalia Inc. for everyone to pet. At one point during his talk on the relationships that humans have with the animal world, the snake decided to take a little adventure right into Joel's shirt through the gap between buttons. It took a little coaxing to get the snake out of his shirt by which time, everyone was laughing and Joel proclaimed, "Well, that's the first time that's ever happened!"

I look forward to next year's event and hope to see some familiar ACS faces there!



By Internet Ballot, the Councilors from District II selected George M. Bodner and Christina C. Bodurow as Director District II candidates for the Term of 2017-2019. Ballots will be distributed on September 29, 2016 to all ACS members in the District II for election of a Director. PLEASE VOTE!


Do you often wonder how to motivate people to volunteer for programs that you manage? If so, then please join us for a workshop on the best way to involve and inspire volunteers:




Join us at the Children's Museum for a day of Science Activities – November 5<sup>th</sup>!

**Chemistry Day**

Theme: "Solving Mysteries through Chemistry"  
Exploring the chemistry of fibers and forensics.



**November 5, 2016**  
**10 a.m. – 3 p.m.**  
*Museum open until 5 p.m.*



**National Chemistry Week**  
AMERICAN CHEMICAL SOCIETY

**SOLVING MYSTERIES THROUGH CHEMISTRY!**

**NCW T-Shirt Design Contest (K-12)!**



Looking for K-12 students in economically disadvantaged areas to participate in our T-shirt design contest.

Contact [alvim-gaston\\_maria@lilly.com](mailto:alvim-gaston_maria@lilly.com)

*Photo: As a 2015 volunteer, Vanessa Xiao is wearing a T-shirt with the winning design while volunteering.*

**NCW 2016 Illustrated Poem Contest**

**Kindergarten - 12th grade**  
Contest Deadline: **September 10, 2016 (must be received date)**  
Prizes: 1<sup>st</sup> Place = \$100, 2<sup>nd</sup> Place = \$50, and 3<sup>rd</sup> Place = \$25 All contestants get to display their Illustrated Poems at Celebrate Science Indiana on October 1<sup>st</sup> and November 5<sup>th</sup> at the Children's Museum of Indianapolis with the winners announced at these events.

Contact: Linda Osborn [linda.osborn@hrglab.com](mailto:linda.osborn@hrglab.com) 317-390-3188 for rules and entry forms. Send official entries to Linda Osborn at 7901 W. Morris St. Indianapolis, IN 46231

Winners of the Indiana illustrated poem contest will advance to the ACS National Illustrated Poem Contest! Judging categories include grades K-2, 3-5, 6-8 & 9-12.

Local Section American Chemical Society Sponsored Events 2016		
Event	Location	Date
Baseball Night	Victory Field	July 21, Thursday
Project Seed Poster Session		July 21, Thursday
Chemistry Solves Art Mystery	Indianapolis Museum of Art	Thurs, August 25
Engaging and Motivating Volunteers	Butler University	TBD (Sept 6, 7, or 8)
The Chemistry of Cheese with Maria Alvim Gaston	TBD	September 16, Friday
Blue Sky Event to Discuss 2023 National Meeting in Indianapolis	TBD	September 22, Thursday
Celebrate Science Indiana	Indiana State Fairgrounds	October 1, Saturday
The Chemistry of Beer with Brian Mathes	TBD	October 20, Thursday
National Chemistry Week	Indianapolis Children's Museum	November 5, Saturday
Impress for Success	IUPUI	November 12, Saturday
End of the Year Celebration	TBD	December 13, Tuesday
Be sure to look out for the fall return of Kids in Chemistry at the Children's Museum		



**Newsletter Editor and Design**

Julie Holland  
[ACSaccelerator@gmail.com](mailto:ACSaccelerator@gmail.com)

**Section Chair and Design**

Linda Osborn  
[Linda.Osborn@hrglab.com](mailto:Linda.Osborn@hrglab.com)

**Design**

Andrea Moberly  
[andrea.moberly@hrglab.com](mailto:andrea.moberly@hrglab.com)

The Indiana Section of the ACS publishes the Accelerator at least three times a year. The Section is not responsible for statements or opinions printed in this publication. The Editor is responsible for all unsigned and staff articles.

All logos for ACS and affiliates were reprinted with permission. To submit corrections, information, events, stories or anything else, please contact Julie Holland at

[ACSaccelerator@gmail.com](mailto:ACSaccelerator@gmail.com)

