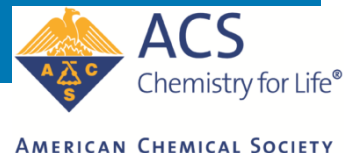


The Accelerator

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY



MARCH 2018

2018 Chair's Corner *by Lisa Buchholz*

It is an honor to serve as the Indiana Local Section Chair for 2018. I would like to thank Tom Xiao for his service as the 2017 Chair and Tamiko Porter for serving as the 2018 Chair-elect. I would also like to thank Linda Osborn for her wisdom and assistance throughout the leadership transition. I am truly excited for this opportunity and I look forward to partnering with Tom, Tamiko, Linda and the remaining members of the Executive Committee listed below to serve and grow with you throughout 2018.

2018 Executive Committee Members

Chair: Lisa Buchholz

Chair-Elect: Tamiko Porter

Councilors:

Robert Pribush

Brian Mathes

Robert Sammelson

Beth Lorsbach

Member-at-Large:

Maria Alvim-Gaston

Mark Pobanz

Anne Wilson

Alternate Councilors:

Sibel Selcuk

Erin Dotlich

Tony Trullinger

Linda Osborn

Secretary: Cathy Peacock

Treasurer: Paul Morgan

Past-Chair: Tom Xiao

I also look forward to partnering with all of you, as we continue the momentum and focus on 30+ activities and events planned throughout 2018. Much of the planning for these events are already in progress thanks to the commitment and dedication of the many committee chairs and volunteers who kicked off the year with the Volunteer Appreciation Event held in January. The passion and engagement of our local section is amazing and my goal is to work together to maintain and grow the energy as we have a very active calendar! Our immediate events are listed below with more information on each event and opportunities to volunteer included throughout this newsletter.

- Music and Chemistry-Woods Lectures Program with Peter Banks
 - April 5-7th
- Women & Hi Tech
 - April 14
- Think Like a Molecule Poster Session
 - April 17th
- Earth Day Celebration at Military Park
 - April 22nd

- Awards Banquet
 - May 15

On behalf of the Executive Committee, I would like to thank Monument Chemical who recently made a generous gift to our local section. It is the generosity of our sponsors and volunteers that enable us to impact our community in so many ways.



With that, here's to a fabulous year of events, networking, and promoting chemistry throughout our community!

Thank you!

Lisa

The Executive Committee meets the second Tuesday of each month at 6:00 pm at The Center (6320 Intech Way, Indianapolis, IN 46278). All Local Section members are encouraged to come and join us to learn about the programs and events our section sponsors. Meetings usually last for 2 hours. Dinner is provided before the meeting. Please let us know if you plan to attend so we have a headcount. You can contact our 2018 Chair, Lisa Buchholz, at imbuchholz@dow.com.

2018 Committee Chairs

2023 NMLT Strategic Planning	Frederique Deiss
Chemistry + Music (Art)	Anne Wilson
Awards	Katherine Stickney
Celebrate Science Indiana	Julie Holland Austin
Chemists Celebrate Earth Day	Julie Holland Austin
Education and Olympiad	Bob Pribush
Education and Olympiad	Jianping Huang
Election	Matt Gardlik
Grants	Ann Cutler
K12 Outreach	Erica Posthuma Adams
Kids in Chemistry	Brian Mathes
Membership Affairs	Rebekah Dickenson, Jordan Knotts
National Chemistry Week	Belgin Canturk, Tom Xaio
Newsletter Design & Editor/Co-Editor	Julie Holland Austin and Andrea Moberly
Project Seed	Elmer Sanders and Josh Taylor
Public Relations	Quanbo Xiong and Norm Sesi
Science Day	Ryan Jeske
Social Media	Erica Posthuma Adams
Trustees	Ann Hunt
Webmaster	Abraham Hentz
Women Chemists	OPEN
Younger Chemists	Tejas Shaw

Article	Page
Chair's Corner	1
It's Finally Here – the New Local Section Website Launch!	3
Music and Chemistry in Perfect Harmony: Part 1	4
So Much Going on this Spring!!!	6
<i>Music and Chemistry Part 2: Two Events with Peter Banks!</i>	6
<i>Ball State Science Day</i>	9
<i>Passport to High Tech</i>	9
<i>The Indiana Local Section Earth Day Celebration</i>	9
<i>Think Like a Molecule Poster Session</i>	10
<i>The Annual ACS Awards Banquet</i>	11
<i>Upcoming Summer 2018 ACS Events</i>	11
Now Accepting Nominations for Gladysmae Good – Teacher of the Year Award	11
And Speaking of Awards...	12
<i>IUPUI School of Science Service Award</i>	12
<i>Conservation Advocacy Award</i>	13
Volunteer Appreciation – Thank You for All you Do!	13
Project Seed Students Visit the ACS	15
2018 USNCO Phase 1 Test Results	16
Note Concerning the 2018 Central Regional Meeting (CERM)	18
Non-ACS Sponsored Science Events in Indianapolis	18
Calendar of Events	18
Councilor Talking Points from the National Meeting	20

It's Finally Here – the New Local Section Website Launch!

By Julie Austin

Local Section members...we finally have a new, working website! Thanks to our volunteer Webmaster, Abraham Hentz, we have a new website that you can use to keep you up to date on local job postings, events, messages, actions of the Executive Committee, annual reports, awards, newsletters, and all things Local Section ACS. The new website can be found at:

<http://www.acsindiana.org/acs/>

For the Accelerator, to reach the archives, click on the tab and it will take you to a list of back issues. The dropdown of that tab is the most current issue. For the events, the dropdown will list each event. You can also access a calendar by clicking on the Events tab. We hope you enjoy the new website! And a big **Thank You** to Abraham for his hard work revamping it!



Music and Chemistry in Perfect Harmony: Part 1

By Greg Smith and Julie Austin

One December 14th, 135 music and chemistry enthusiasts along with 21 volunteers attended an evening of music and chemistry at the Christel DeHaan Fine Arts Center on UIndy campus.

The Arts and the Sciences are usually seen as distinct fields born of two different worldviews. The former is creative and aesthetic while the latter is rational and objective. However, these seemingly disparate disciplines have always shared a rich and fascinating interface. Some of our best chemists have been immensely creative in envisioning the possibilities of the physical world, and many have shown a talent or deep interest in music. Similarly, to master an instrument or to compose music, the great musicians and composers must depend on an innate understanding of the physics of their instruments and perform innumerable experiments to arrive at the “right” answer.

The evening began with a reception and networking featuring local beer from Fountain Square Brewery served by A Perfect Pour and delicious appetizers from UIndy catering. Musical instruments were brought in for the attendees to experience the sounds and feel with their own hands. From there, the audience was treated to two very delightful, very different presentations about the interactions between music and chemistry.

The first was given by Dr. Lynn Brostoff, a Senior Scientist at the Library of Congress. Dr. Brostoff gave a fascinating history of rare crystal flutes made in Paris in the early 1800's by Claude Laurent as well as which analytical techniques are used to determine their chemical composition. The understanding of these flutes has led to them to discover the best way to preserve these delicate instruments. If you would like to read more about her work, you can find more information at:

<https://blogs.loc.gov/loc/2014/09/anatomy-of-the-flute/>



The next speaker was Dr. Lori Desautels, Assistant Professor of Education at Butler University and author of the books, “How May I Serve You” and “Unwritten, The Story of a Living System.” Dr. Desautels investigates the role of the biological and social sciences in our appreciation of music and the impact of music training on education. Although she teaches at the university level, she has also stepped out of the college classroom to teach Junior High School, a pivotal age in behavior development. She held the audience captive with a lively discussion about how

she uses music to help teach behaviorally challenged students by rechanneling their thoughts in a focused or positive direction.

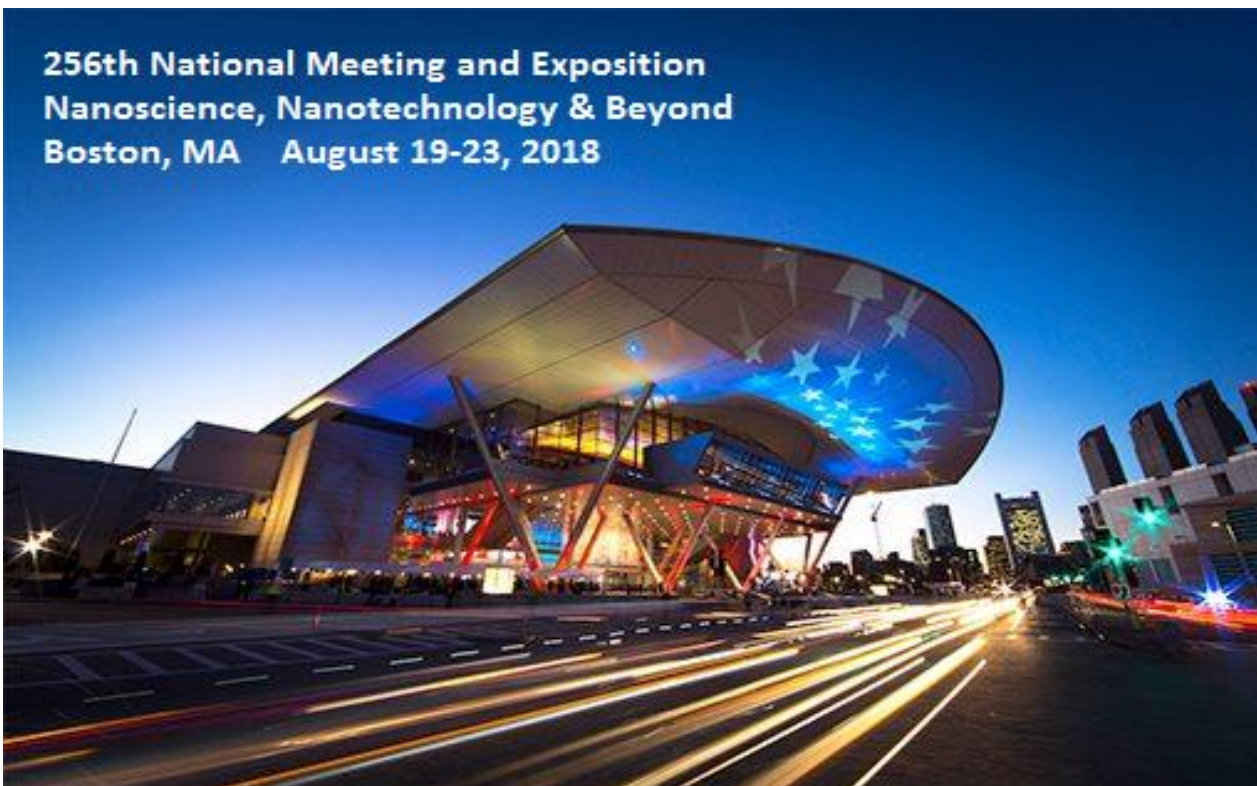
Finally at the close of the night, drawings were held and those who participated in a survey of the event were eligible to win the following:

- Beats Solo3 Wireless On-Ear Headphones donated by **The Indiana Local Section ACS**
- 2 Tickets to a Lilly Classics performance at ISO donated by **The Indianapolis Symphony Orchestra**
- 4 Tickets for Winterlights at Newfields donated by **Newfields (IMA)**
- Newfields 1 year family membership donated by **Newfields (IMA)**
- Two ticket vouchers for a show at the Palladium donated by **The Center for the Performing Arts**
- Two \$50 i-Tunes gift cards donated by **The Indiana Section of the ACS**

Special thank you to ACS members: Greg Smith, Kathy Stickney, Linda Osborn, Rebekah Dickerson, Tamiko Porter, Raymond Dross, Matthew Gardlik, Chris Bodurow, Anne Cutler, Jordon Knotts, Erica Posthuma-Adams, Belgin Canturk, Julie Austin as well as Christopher Porter (photographs), Perry A Accentturo (Indianapolis Symphony Orchestra), UIndy, ISO, Newfields, Center for the Performing Arts and Fountain Square Brewery.

90 Th Thorium 232.0381	7 N Nitrogen 14.00674	19 K Potassium 39.0983
5 Y Yttrium 88.90585	8 O Oxygen 15.9994	92 U Uranium 238.0289





So Much Going on this Spring!!!

By Julie Austin

Normally, event promos are spread throughout the Accelerator with a calendar at the end. However, there are so many events this spring, the we thought we'd do a feature section on all of the fun and exciting activities we are bringing your way over the next two months! Mark your calendars!

Music and Chemistry Part 2: Two Events with Peter Banks!

We had so much fun at the Music and Chemistry event this past December that we wanted to continue the series this year! Peter Banks, chemistry teacher at Purcell School of Music and professional violin/viola player, will join us for **two** events in April. Join us Friday evening at 5:30, **April 6th** for appetizers and a discussion about the synergies between music and chemistry education. Seating is limited so please register at: <https://www.eventbrite.com/e/chemistry-and-music-tickets-44166168198>

The second event is a family friendly event held the morning of **April 7th**. Please register at: <https://www.eventbrite.com/e/chemistry-and-music-interactive-family-event-tickets-44334044320>



ACS
Chemistry for Life®

BUTLER UNIVERSITY

The Department of Chemistry and Biochemistry,
College of Music, College of Education, CHASE,
and the Indianapolis Local Section of the American Chemical Society Present:



An Evening with Peter Banks
Purcell School of Music in Bushey, UK

Music and Chemistry in Perfect Harmony; In Tune with Chemistry



Friday April 6, 2018
7:00 pm
Johnson Board Room
Robertson Hall
5:30-7:00 pm, Reception

Please pre-register: <https://www.eventbrite.com/e/chemistry-and-music-tickets-44166168198>

Supported in part by the J. James Woods Lecture Series



ACS
Chemistry for Life®

BUTLER
UNIVERSITY

Music and Chemistry Family Event

FREE!

Only 150 seats!

How do the arts and sciences
fit together?

Come and find out!

Saturday **April 7**, 2018

10:30 am - Noon

Butler University

Gallahue Hall

Room 108

FUN!
RAFFLE!
FREE PRIZES!

SNACKS!

Join us in turning
MOLECULES into **MUSIC!**

**INTERACTIVE
DEMONSTRATIONS!**



Peter Banks
Chemist at the Purcell
School of Music
From the UK!



Rick Crosslin
Wayne Township Scientist
Former PBS TV Host!
Science King!

Reserve your spot!

<https://www.eventbrite.com/e/chemistry-and-music-interactive-family-event-tickets-44334044320>

Brought to you by:

The Department of Chemistry and Biochemistry
College of Music, College of Education

CHASE
Indianapolis Local Section of the American Chemical Society

Ball State Science Day

Once again **Ball State's Science Day** will be held from 8 a.m. – 5 p.m. on **Saturday, April 7th, 2018** in the Cooper Physical Science Building. Families and science enthusiasts are invited to participate in this annual day of fun and interesting science activities and demonstrations. You can expect representatives from many different organizations on and off campus, including chemistry, biology, physics as well as participation from the local high schools. For more information, go to:



<http://cms.bsu.edu/academics/collegesanddepartments/chemistry/researchcommunity/chemistryinthecommunity/scienceday>

Passport to High Tech



Conner Prairie and Roche bring you the event, **Passport to Hi-Tech** which is scheduled for **Saturday, April 14th**. This is an event for young ladies to learn about careers in STEM. You can expect to find a lot of fun interactive and educational activities in the fields of computers, biochemistry, engineering, aerospace, chemistry, agricultural sciences and manufacturing. Cost for members is free. For non-members, the event is free with admission to Conner Prairie.

<http://www.connerprairie.org/things-to-do/events/passport-to-hi-tech>

The Indiana Local Section Earth Day Celebration


The Local Section ACS will be hosting a booth at **Earth Day Indiana** from 11 a.m. to 4 p.m. on **Saturday, April 21st** in Military Park. This year, there are over 125 exhibitors, a children's tent, food, drinks, music and a beer garden for those 21 and over.




We will be passing out some Chemist's Celebrate Earth Day goodies along with children's activity booklets while talking to our friends and neighbors about who the Local Section ACS is and what we do.

This is a rain or shine event and dogs are welcome to attend. Parking is only \$6 on the surface lots at IUPUI. For more information, please go to: <http://www.earthdayindiana.org/>

Once again, the Local Section ACS will sponsor a poster session **"Think Like a Molecule"** on **Tuesday, April 17th** from 4:30 to 9:00 p.m. at IUPUI Library. Abstracts are due **April 6th**. Submit Abstracts to: <https://easychair.org/conferences/?conf=2018t1m>. Link to attend: <https://2018t1m.eventbrite.com>

**ACS**
Chemistry for Life®

**science@iupui**

2018 Poster Session

Abstracts Due
April 6, 2018
11:59PM

Theme:
"Think like a Molecule"

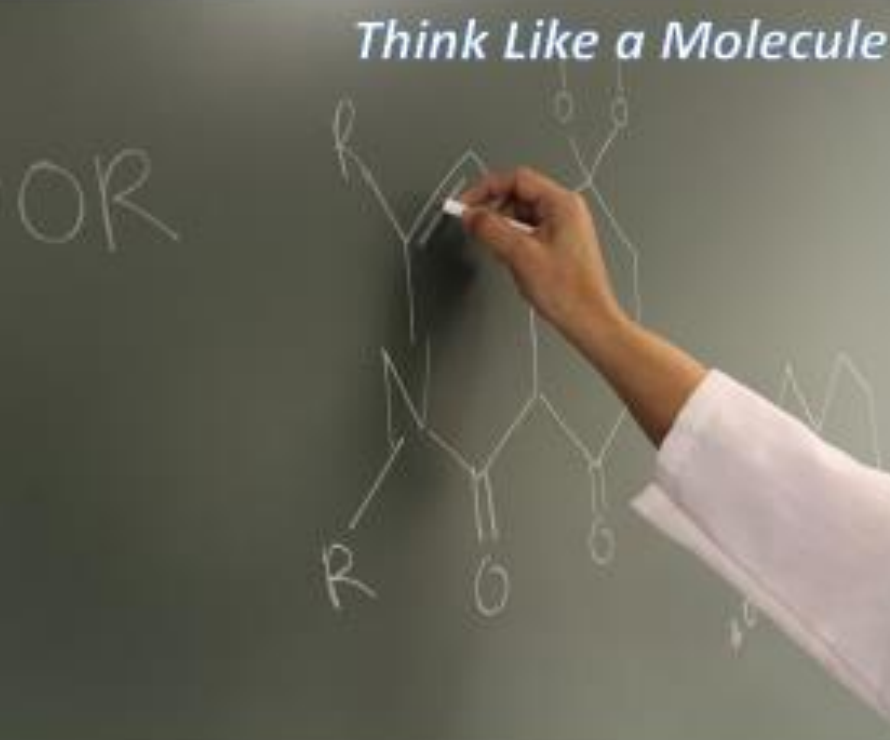
Prizes

4:30PM – 5:00PM
Check-in & Set-up

Keynote Speaker
TBD

5:00 PM – 9PM
Poster Session
Reception, Speaker
& Awards

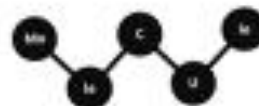
Think Like a Molecule



Present your research at the **THINK LIKE A MOLECULE**



Poster Session
April 17, 2018



IUPUI University Library
755 W Michigan St., Indianapolis, IN 46202

*Sponsored by the American Chemical Society Indiana Section
and IUPUI School of Science*

Link to submit Abstracts: <https://easychair.org/conferences/?conf=2018t1m>

Link to attend: <https://2018t1m.eventbrite.com>

Questions? Email: imp@iupui.edu or call 317-472-8832

The Annual ACS Awards Banquet

The annual Indiana Section American Chemical Society **Awards Banquet** will be held on **Tuesday, May 15**, at the University of Indianapolis Schwitzer Student Center, UIndy Hall A. At this event, we will recognize our 50- and 60-year ACS members, student and school awardees from the March 2018 Indiana Local Section USNCO Exam, **and other Indiana Section awardees.**

The schedule for the evening is:

5:30 PM – doors open

6:00 PM – dinner

6:45 PM – keynote speaker

7:00 PM – awards presentation



The address for Schwitzer Student Center is 1400 Campus Drive, Indianapolis, IN 46227.

Parking is free. A map of the University of Indianapolis campus and driving directions can be found at: <http://www.uindy.edu/map-and-directions>.

There is no cost for this event for all attendees.

RSVP to Kathy Stickney by Thursday, May 10, at kstickney@uindy.edu or [317-788-3552](tel:317-788-3552).

Upcoming Summer 2018 ACS Events

In addition to the busy spring we have planned, please be on the lookout for dates of other events including the annual **Baseball Night** and **Project Seed Poster Session**, both of which will be held in **July**.

Now Accepting Nominations for Gladysmae Good – Teacher of the Year Award



Know any really great Teachers of Chemistry? This is our fourth year of administering the Gladysmae Good – Chemistry Teacher of the Year award to honor a very special teacher of chemistry in our local schools. Congratulations to Erica Posthuma-Adams from University HS, our first recipient and Stacie Stoffregen (Greencastle Middle School) who won this award in 2016, and Lori White (Cascade High School), our 2017 recipient. This award recognizes, encourages, and stimulates outstanding teachers of high school chemistry in the Indiana Local Section and will be presented at our Awards Banquet at UIndy on May 15th.

The nominee must be actively engaged in the teaching of chemistry or a chemical science in a k-12 classroom in the Indiana Local Section. The nomination should clearly demonstrate as many of the following attributes as possible:

- The quality of the nominee's teaching; unusually effective methods of presentation should be emphasized
- The nominee's ability to challenge and inspire students Extracurricular work in chemistry or a chemical science by the nominee, including science fairs, science clubs, and activities that stimulate the interest of young people in chemistry and related sciences
- A willingness to keep up-to-date in the field, as evidenced by active engagement in professional organizations such as AACT, ACS, HASTI, NSTA, AMTA, or other such organizations.
- Enrollment in refresher courses and summer institutes, regular attendance at scientific meetings, participation in local, state, and national conferences, publishing in scientific or educational journals, and other means of self-improvement
- Commitment to the Local Section K-12 community through building relationships with other educators and volunteering at Local Section sponsored events
- Evidence of leadership and/or active involvement within the profession

Please send a letter of nomination to [Linda Osborn](#) by the end of business of **April 27th, 2018**.

And Speaking of Awards...

We were recently notified that two of our ACS Executive Committee members, Tamiko Porter and Greg Smith, are recent awards recipients along with many other members of our Local Section ACS. Congratulations to all of you!

IUPUI School of Science Service Awards

Please congratulate **John Goodpaster**, **Gina Lindino-Smolar** and **Lin Zhu** who won **Trustees' Teaching Awards**,

Pratibha Varma-Nelson won the **George C. Pimentel Award in Chemical Education** 'for work on face-to-face and cyber versions of Peer Led Team Learning that has facilitated understanding for small-group chemistry learning in the two environments.' This is a Prestigious External Award Recognition which means faculty members are recognized by a national or international professional organization for their academic achievements. <https://cen.acs.org/articles/96/i2/George-C-Pimentel-Award-Chemical.html>

Keith Anklier won the **Chancellors Award for Excellence in Teaching** which recognizes faculty who create opportunities and atmosphere for students to succeed.

Our former Local Section Secretary and 2018 Chair-Elect, **Tamiko Porter** won the **Lecturer Service Award** along with **The Glenn W. Irwin Jr. M.D. Experience Excellence Award** recognizes faculty members for service "above and beyond the call of duty."

Conservation Advocacy Award

Greg Smith, Art Conservator at Newfields, recently won the **Conservation Advocacy Award**! You may know Greg from hosting the Art + Chemistry events at Newfields and UIndy as well as booths at Celebrate Science Indiana and National Chemistry Day at the Children's Museum

Dear Mr. Smith,

On behalf of the American Institute for Conservation, we congratulate you on being a recipient of the Conservation Advocacy Award. Your peers' nomination and support have excellently illustrated your qualifications for this award, and it is our honor and pleasure to recognize your work.

We will be celebrating your accomplishments and dedicated efforts to benefit the field of conservation at the 46th Annual Meeting in Houston. Your award will be announced and presented by AIC Board President Margaret Holben Ellis during the Opening Session on May 31st, 2018. We hope you will be able attend and accept your award in person. If you cannot attend, please let us know.

Congratulations are well deserved! We look forward to sharing this news with AIC membership and hope to celebrate your award with you in Houston!

Best regards,

Ryan Winfield | Membership Manager

Volunteer Appreciation – Thank You for All you Do!

By Julie Austin and Linda Osborn

On Tuesday, January 9th, in place of the monthly Executive Committee meeting, we decided to skip the regular meeting and hold a volunteer appreciation night in order to have some well-deserved fun with our fellow friends and colleagues. Approximately 35 of us gathered at Fountain Square Brewery for an evening of socializing, incredible pizza from South of Chicago Pizzeria, and beer from the brewery.

Tom Xaio, the 2017 Chair, gave a short speech and thanked everyone for the successes we had with all of the programs we sponsored last year while the Lisa Buccholz, our current chair, discussed all that we have to look forward to this year and beyond.

Random door prizes were given out during a drawing, **Tamiko Porter** was awarded the **Indiana Section Chemistry Ambassador Award**. Tamiko served as committee chair of the "Think like a Molecule" poster session for 3 years, and was committee chair of "Impress for Success" for under-represented minority college students for 2 years. Her talents spearheaded the use of programs like Eventbrite and Qualtrix to register participants for our many events. She has assisted with photography and has been involved for multiple years with the ACS awards banquet, Celebrate Science Indiana, and National Chemistry Week at the Children's Museum of Indianapolis. Her outstanding support is also demonstrated by her involvement in one-time programs like "Solving Art Mysteries through Chemistry" at the IMA, "Chemistry of Cheese",

“Chemistry of Beer”, and “Music and Chemistry in perfect Harmony. Tamiko was also an ACS science coach for a local high school teacher being a positive role model, motivating teachers and students alike. She has also been involved on the leadership team in planning the ACS National Meeting held in Indianapolis in 2013, and a 2nd national meeting to be held again in Indy in 2023. In 2016, Dr. Porter was awarded the ACS Salute to Excellence Award from the local section

Julie Austin won the **Indiana Section Volunteer of the Year** award. Julie has been the primary editor of this newsletter since 2014 and primary designer since 2015. She has chaired the ACS booth at Celebrate Science Indiana for 3 years, co-Chaired last year’s Earth Day booth at the Indiana Earth Day festival and worked with Kathy Stickney on organizing beverage service for Music and Chemistry Part 1 and the Volunteer Appreciation event this past January. Julie was also awarded an ACS Salute to Excellence Award in 2016.

Both awards included a commemorative plaque and Erlenmeyer flask earrings. Tamiko was also given a chemistry cutting board and Julie was given a pair stemless wine glasses which have the 6 molecules found in wine etched on them.

Somehow, over the course of the evening, we only took a few photos. I guess we were having too much fun in each other’s company to think about it! It was a great way to start the New Year. We look forward to seeing all of you this year at one of the many functions we are working hard towards hosting.



Project Seed Students Visit the ACS

By Cathy Peacock

We were joined at our March meeting by four Project Seed Students: Feven Araya, Younas Araya, Rania Ousman, and Tuc Kha along with Project Seed Chair, Elmer Sands. During the visit, each student shared their respective Project Seed experiences as well as insight into their future plans. The Project Seed opportunity provided them with a chance for hands-on learning from seasoned scientists. The students took the opportunity during the meeting to ask questions of the ACS members. Also in attendance were two of the Project Seed sponsors who mentioned that the national Project Seed organization is celebrating 50 years in 2018. The program has been experiencing growth locally, and it is expected that 32 students will participate in the upcoming summer program.

We also learned that former Indianapolis Project Seed student, Malcom Wiseman, recently received a one-time \$5,000 scholarship to help with his studies of chemistry at Prairie View A&M University in Texas.

Congratulations to these fine young men and women on getting a leg up on their STEM careers!



2018 USNCO Phase 1 Test Results

By Bob Pribush

Below are the overall results of the 2018 Indiana Section ACS USNCO Exam held at Brebeuf Jesuit Preparatory School on Saturday, March 3, 2018. There were a total of 230 students who took the exam (of 294 registered): 153 (of 191 registered) first year exam (average score 22/60) and 77 (of 103 registered) advanced exam (average score 36/60).

Students who scored high on the exam were contacted and invited to participate in the second phase of the USNCO competition, which is a written exam plus a practical laboratory exam, to be held at Butler University on Saturday, April 21, 2018.

First Year Exam

1 st place – \$100 and plaque	Iris Yan	Carmel
2 nd place – \$100 and plaque	Robbie Ge	Carmel
3 rd place – \$100 and plaque	Vishno Iyer	Sycamore

Honorable mention – plaque

Ameya Belamkar	Carmel	Donovan Stumpf	Carmel
Anushka Dasgupta	Carmel	Joey Kurek	Zionsville
Lillian He	Carmel	Zach Sibila	Zionsville
Yueze Liu	Carmel	Colin Zou	Creekside
Pauli Lu	Carmel	Evan Piper	Park Tudor
Anush Motaganahalli	Carmel	Kyle Xu	Park Tudor
Lalith Roopesh	Carmel		

Team Award – AACT membership and plaque

1 st place	Carmel
2 nd place	Park Tudor
3 rd place	Zionsville
4 th place	Creekside
5 th place	Plainfield

Advanced Exam

1 st place – \$100 and plaque	Parker Jou	Carmel
2 nd place – \$100 and plaque	Yannik Singh	Carmel
3 rd place – \$100 and plaque	Jeffery Tan	Carmel
3 rd place (tie) – \$100 and plaque	Harry Wang	Carmel
3 rd place (tie) – \$100 and plaque	Jenny Cai	Park Tudor
3 rd place (tie) – \$100 and plaque	Andrew Wu	Park Tudor

Honorable mention – plaque

Kevin Liu	Carmel
-----------	--------



Varun Chheda
Jenny Zhao

Park Tudor
Park Tudor

Team Award – AACT membership and plaque

1 st place	Carmel
2 nd place	Park Tudor
3 rd place	Zionsville
4 th place	Hamilton Southeastern
5 th place	Westfield



U.S. National Chemistry Olympiad

Perpetual Plaque Award

Brebeuf	Grant Whitsett	Carmel	Parker Jou
Chatard	Jizhou Wang	Creekside	Colin Jou
Fishers	Gabriel Goodwin	Greenwood Christian	Hyun Woo Cho
Fishers	Kamya Lapsley	Park Tudor	Jenny Cai
Fishers	Anthony Tam	Park Tudor	Andrew Wu
Hamilton Southeastern	Ishaan Modi	Plainfield	Lauren Coffey
Providence Christo Rey	Ahmed Afolabi	University	Andy Tang
Providence Christo Rey	Keith Harvey	Westfield	Krishi Thaker
Zionsville	James Lao		

Students Who Qualified for the National USNCO Exam

Kevin Liu	Carmel	Jenny Cai	Park Tudor
Iris Yan	Carmel	Jenny Zhao	Park Tudor
*Allen Zhang	Carmel	*Andrew Wu	Park Tudor
Lauren Coffey	Plainfield	*Allan Zhao	Park Tudor
Maxine Fang	Zionsville	Andy Tang	University
James Lou	Zionsville	Krishi Thaker	Westfield
Ishaan Modi	Hamilton Southeastern		
Julian Spanger	Hamilton Southeastern		

*Students automatically qualifying based on their scoring in the top 20 nationally and attending the USNCO Training Camp in 2017.

Did you know that Indiana now has an official state insect, *Practomena Angulata*, otherwise known as Saps Firefly? The project to adopt a state insect was done as effort to encourage children's interest in science in conjunction with SEFI and CSI.

You say firefly, I say lightening bug, let's get (and keep) our kids interested in STEM!



Note Concerning the 2018 Central Regional Meeting (CERM)

The 2018 CERM meeting which was to take place in Toledo, OH July 13-16 has been **cancelled**. Look for CERM to return in June 4-8, 2019 in Midland, MI. <http://www.centralregionacs.org/>

Non-ACS Sponsored Science Events in Indianapolis

Hosted by Central Indiana Science Outreach in conjunction with Indiana State Museum and Historic Sites, the annual **Taste of Science Festival**, a global science fair held for **adults only**, will be held from April 22 to April 28 at several of the best breweries in the city. For more information on locations, volunteering or donating, please go to: <https://tasteofscience.org/indianapolis/>

In addition, on April 14th, national Citizen Science Day, the Indiana State Museum is hosting “**A Day for Science.**” This is a non-partisan event which highlights how science helps our citizens every day. There will be science communication and advocacy training for both scientists and non-scientists, voter registration and science exhibits.

This event is brought to you by the nonprofit and community organizations: March for Science Indianapolis, Union of Concerned Scientists Indiana, Indiana Sciences, CINSO, and IU School of Medicine Science Advocacy Outreach

For more information, please go to: <https://www.facebook.com/events/190917268321972>

If you hear of any additional science related lectures, activities, etc. that you believe your fellow colleagues will enjoy, please email the information to ACSaccelerator@gmail.com. The Accelerator is published every 4 months (March, June, September, and December).

2018 Calendar of Events (ACS-sponsored in bold)

In Tune with Chemistry	Friday, April 6 th	Butler University
Music and Chemistry Family Event	Saturday, April 7 th	Butler University
Ball State Science Day	Saturday, April 7 th	Ball State Campus, Muncie
Passport to High Tech	Saturday, April 14 th	Conner Prairie

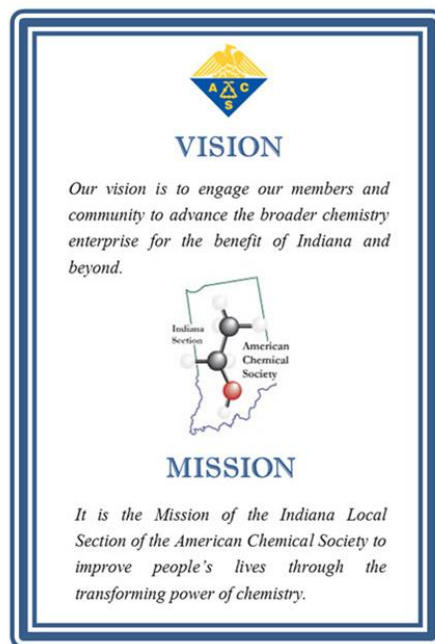
Think Like A Molecule Poster Session	Tuesday, April 17 th	IUPUI
Chemists Celebrate Earth Day	Saturday, April 21 st	Military Park
Awards Banquet	Tuesday, May 15 th	UIndy
Project Seed Poster Session	July - TBD	
Annual ACS Baseball Night	July – TBD	Victory Field
International Chemistry Olympiad	July 19-29	Bratislava, Slovakia Prague, Czech Republic
Celebrate Science Indiana	Saturday, October 6	Indiana State Fairgrounds
National Chemistry Week	Saturday, November 3	Indiana Children's Museum
Eco Science Fair at Indiana State Museum	Friday, April 13 10 a.m. - 2 p.m	https://www.indianamuseum.org/eco-science-fair
March for Science at the Indiana State Museum	Saturday, April 14 th	https://www.facebook.com/events/190917268321972
Science on Tap: Seconds after Impact at Blind Owl Brewery	Thursday, April 19 5:30-7:30 p.m.	https://science.iupui.edu/alumniandgiving
Taste of Science Festival at various breweries throughout Indy	April 22-28	https://tasteofscience.org/indianapolis/

Newsletter Editor and Design
Julie Holland Austin
ACSaccelerator@gmail.com

Design
Andrea Moberly
andrea.moberly@hrqlab.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



COUNCILOR TALKING POINTS: SUMMARY OF GOVERNANCE ISSUES AND ACTIONS

The following summary is provided to help Councilors report to their Local Sections and Divisions on key actions of the [ACS Council meeting](#) held March 21, and Board of Directors meetings held March 16-18, at the [2018 spring national meeting](#) in New Orleans, Louisiana.

Actions of the Council

Election Results

Candidates for President-Elect, 2019

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2019: **Harmon B. Abrahamson, Luis A. Echegoyen, Thomas R. Gilbert, and Mary Virginia Orna**. By electronic ballot, the Council selected **Luis A. Echegoyen and Thomas R. Gilbert** as **candidates for 2019 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

President-Elect, 2019^a

Nominee	1 st Round	2 nd Round	3 rd Round
Harmon B. Abrahamson	84	-	-
*Luis A. Echegoyen	116	132	152
*Thomas R. Gilbert	129	168	206
Mary Virginia Orna	92	117	-

^a421 valid electronic ballots were cast, with 211 being the majority. The results of the first preference vote totals are shown in the 1st round column. No nominee attained a majority. Following the procedures approved by Council, second-preference votes were distributed in two subsequent rounds. Those marked with an * were declared elected as candidates.

Candidates for Districts I and V

- The Committee on Nominations and Elections announced the results of the election held prior to the New Orleans meeting to select *candidates* from the list of *nominees* for Directors from District I and District V on the Board of Directors for the term 2019-2021. By internet ballot, the Councilors from these districts selected **Katherine L. Lee** and **Laura E. Pence** as **District I candidates**; and **John E. Adams** and **Joseph A. Heppert** as **District V candidates**. Ballots will be distributed on or before October 1 to all ACS members in District I and District V for election of a Director from each District.

DISTRICT I^a

Nominee	1 st Round	2 nd Round	3 rd Round
*Laura E. Pence	22	26	-
*Katherine L. Lee	9	9	18
Gerard F. Parkin	7	9	11

Mary K. Carroll	6	-	-
-----------------	---	---	---

DISTRICT V^a

Nominee	1 st Round	2 nd Round	3 rd Round
*John E. Adams	24	27	-
*Joseph A. Heppert	12	14	26
Mark C. Cesa	10	10	13
Catherine H. Middlecamp	5	-	-

^a The results of the first preference vote totals are shown in the 1st round column. No nominee attained a majority. Following the procedures approved by Council, second-preference votes were distributed in two subsequent rounds. Those marked with an asterisk (*) were declared elected as candidates.

Candidates for Directors-at-Large

- The Committee on Nominations and Elections announced the selection of the following **candidates for Directors-at-Large** for 2019-2021 terms: **Frank D. Blum, Lee H. Latimer, Ingrid Montes, and Angela W. Peters**. The election of two Directors-at-Large from among these four candidates and any selected via petition will be conducted in the fall. Ballots will be distributed to the Council on or before October 1, 2018.

Special Interim Election: Committee on Committees

- The Committee on Nominations and Elections announced that **Susan M. Schelble** received 142 votes to **Rick Ewing's** 128 votes to fill a vacancy on the Committee on Committees (ConC) for a full two-year term (2018-2019).

Other Council Actions**Amendments to the ACS Bylaws**

- The Council approved Petition on the Composition of Society Committees [Bylaw III, Sec. 3, e, (3), (4), and (8)], which will change the requirement for Councilors on Society Committees from at least two thirds (2/3) to a majority, and remove the requirement that the Chair and Vice-Chair of a Society Committee must be Councilors.
- The Petition for Election of Committee Chairs [Bylaw III, Sec. 3, c, (1); d, 3, (3), (8); e, (3), (8); g, (3); i (3)], which would allow the voting members of all ACS committees to select their own Chairs, failed to gain the approval of Council.

2019 Member Dues

- The Council voted on the recommendation of the Committee on Budget and Finance to set the member dues for 2019 at the fully escalated rate of \$175. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

Distribution Formula for Division Funding

- The proposed formula for allocating dues funds to divisions, recommended by the Committee on Divisional Activities, was recommitted to the committee.

Continuation of Committees

- The Council approved the recommendation of the Committee on Committees that the Committee on Ethics be continued; and that the committees on Publications and on Younger Chemists be continued contingent on approval by the Board of Directors.

Resolutions

- The Council passed several resolutions:
 - in memory of ACS Past President Ronald Breslow and other deceased Councilors;
 - in gratitude for the officers and members of the Louisiana Section, host for the 255th National Meeting, the divisional program chairs, symposium organizers, and ACS staff for the planning and execution of the meeting; and
 - to recognize Dr. Harry P. Schultz, former Councilor for the South Florida Section (1974-1977), on the occasion of his 100th birthday.

Highlights from Committee Reports**Online Preference Forms for Councilors**

All Councilors, including new Councilors, were reminded to complete their online committee preference form for 2019 committee assignments, which is open from March 26 – June 8, 2018 at <https://www.yellowbook.acs.org> (log in required).

Nominations and Elections

The Committee on Nominations and Elections solicits Councilors' input of qualified individuals for President-Elect and/or Directors for future consideration. Suggestions may be sent to nomelect@acs.org.

Budget and Finance

In 2017, ACS generated a Net from Operations of \$28.6 million, which was \$4.8 million higher than 2016. Total revenues were \$553.1 million, increasing 5.0% or \$26.4 million over 2016. Expenses ended the year at \$524.5 million, which was \$21.6 million or 4.3% higher than prior year. This was attributable to strong performance from the Society's Information Service units (CAS and ACS Publications) and a continued emphasis on expense management across the ACS.

Additional information can be found at www.acs.org. At bottom, click 'About ACS', then 'ACS Financial Information'. There you will find several years of the Society's audited financial statements and IRS 990 filings.

Membership

The ACS ended 2017 with over 150,000 members. While this means that ACS remains the world's largest scientific society, this number represents a continuing decline in overall membership for the sixth year in a row. The Committee on Membership Affairs is committed to working with Council, the Board of Directors, the Committee on Budget and Finance, ACS staff, and other stakeholders to halt this trend and return ACS to a growing and engaged membership.

New Orleans Meeting Attendance

As of Monday, March 19:

Attendees	8,470
Students	6,432
Exhibitors	877
Expo only	301
Guests	505

Total **16,585**

Petitions to Amend Constitution and Bylaws

New petitions to amend the Constitution or Bylaws must be received by the Executive Director no later than May 2 to be included in the Council agenda for consideration at the fall 2018 meeting in Boston. Contact the Committee on Constitution and Bylaws with any questions or requests for information at bylaws@acs.org

Actions of the Board of Directors

The Board's Executive Session

The ACS Board of Directors met in Executive Session March 16-17, and considered a number of key strategic issues and responded with several actions.

The Board's Committees

The Board of Directors received and discussed reports from its committees on Executive Compensation, Strategic Planning, Corporation Associates, Pensions and Investments, Professional and Member Relations, the Joint Board-Council Policy Committee Task Force on Governance Design, the Joint Board-Council Committee on Publications, and the Leadership Advisory Board. In particular,

- The Board received an extensive briefing and approved several recommendations from its Committee on Executive Compensation. The compensation of the Society's executive staff continues to receive regular review from the Board.
- On the recommendation of the Joint Board-Council Committee on Publications, the Board voted to approve the reappointments of Editors-in-Chief for several ACS journals. Those appointments will be announced in C&EN once the appointed individuals have been notified and arrangements for their continued service have been made.
- On the recommendation of the Committee on Professional and Member Relations, the Board approved a Society nominee for the 2019 King Faisal International Prize for Science, and screened lists of nominees for the 2019 Priestley Medal and the ACS Award for Volunteer Service. The Board will select the recipients of these latter two awards from the screened lists provided.
- The Board liaison to the Leadership Advisory Board gave an update on the history of the Advisory Board and the ACS Leadership Program, and offered key observations and strategic questions regarding the direction of the program in light of future Society and member needs.
- The Board liaison to the Committee on Corporation Associates offered an update on the future design state of the committee in the context of the landscape for chemical corporations and professional societies.
- The co-chair of the Task Force on Governance Design offered brief comments on its written interim report and provided a preview of its planned presentation to the Councilor caucuses focusing on streamlining the Society's governing documents.

The Executive Director/CEO Report

The Board received an extensive report from the Executive Director and CEO on issues relating to the Safety and Professionalism core values of the Society as well as on Membership, ACS financial performance, Operational Excellence, and upcoming events and activities. He also led a discussion on the strategic

direction of the Science History Institute (formerly the Chemical Heritage Foundation) and its ramifications for ACS. His direct reports then engaged in discussions with the Board on the activities, opportunities and challenges of the Education Division, Chemical Abstracts Service (CAS), and the ACS Publications Division.

Other Society Business

As is customary, the Board heard reports from the Presidential Succession on their current and planned activities for 2018. Several presidential symposia and events incorporating and supporting the meeting's theme of Food, Energy and Water were highlighted in those reports.

Board Resolution

Finally, the Board approved a resolution that recognizes and applauds the United Nations for proclaiming 2019 as the International Year of the Periodic Table, and pledged that the Society will do its utmost to recognize and participate in events celebrating this important scientific milestone and achievement.

The Board's Regular (Open) Session

The Board held a well-attended open session on March 18, which featured a presentation from Dr. Lisa M. Balbes (Balbes Consultants, LLC) on *Nontraditional Careers in Chemistry: Thinking Outside the Beaker*. She also introduced two alumni from the ACS Scholars Program, Brandon Presley and Isa Watson, who briefly shared their careers paths to date with the assembled audience.

Prior to the presentation, the Board Chair gave a report on Board actions and issues from its Executive Session March 16-17. Members of the presidential succession and the Executive Director & CEO also offered brief reports on their activities. The officers provided more extensive reports on their activities and/or future plans as part of their written and oral reports to the Council.

Contact the Board

Your Board of Directors is elected by and acts in the best interests of the members of the Society. Please contact them with your comments, concerns, ideas, and suggestions at secretary@acs.org.