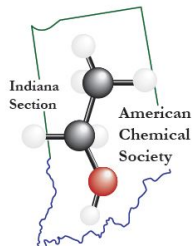


# The Accelerator

INDIANA SECTION OF THE AMERICAN CHEMICAL SOCIETY



## Chair's Corner

April 2013

By Sibel Selcuk

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*"Focusing on the national meeting, we hope to leave an unforgettable impression so we may be one of the routine stops for future national meetings."*

Greetings Indiana Section ACS members,

Here we are with the first issue of 2013. A lot is planned for 2013 but as you all very well know the focus of 2013 is the 246th National ACS meeting that Indianapolis will be hosting. Last year was a great success filled with fun and unique events. I want to thank 2012 Executive Committee, Program Chairs and all of you who volunteered and participated in our events. We could not have made it a successful year without you!!! Please keep that in mind, join us, volunteer and participate. We will continue the great tradition of success and hopefully we will have another unforgettable year. Please welcome the officers of 2013:

Chair.....	Sibel Selcuk
Chair-Elect.....	Erin Dotlich
Secretary.....	Linda Osborn
Treasurer.....	Paul Ridenour
Councilor.....	Dawn Brooks
Councilor.....	Robert Pribush
Councilor.....	David Mitchell
Alternate Councilor.....	Amy DeBaillie
Alternate Councilor.....	Brian Mathes
Alternate Councilor.....	Robert Sammelson
Member at-large.....	Viola Kimbowa
Member at-large.....	Patricia Maldonado
Member at-large.....	Josh Taylor
Accelerator Editor.....	Paul Lewer
Publicity Chair.....	Andrea Frederick
Executive Liaison for National Meeting.....	Christina Bodurow

Focusing on the national meeting, we hope to leave an unforgettable impression so we may be one of the routine stops for future national meetings. Some of us just returned from the New Orleans ACS meeting where we were able to meet with key individuals to solicit advice for our upcoming national meeting the week of **September 8-12**. Under the spectacular leadership of Christina Bodurow, many local section volunteers are working diligently to pull all the pieces together. Registration will begin soon; follow ACS and local section websites for updates. New Orleans had 15,996 attendees. I am reaching out to each of you to do what you can to encourage attendance at our Indianapolis meeting in the fall. Collectively, we can all contribute to orchestrate successful events that provide an enjoyable and rewarding experience for all who attend.

Our kickoff event to the fall national meeting is a community outreach event jointly organized by the Indiana Local Section and Celebrate Science Indiana (CSI) at the Indianapolis Motor Speedway on Sunday, September 8. This is open to the public and it is FREE to get in! Invite friends and family and young science enthusiasts!

Stay tuned for the May edition of the Accelerator, which will be dedicated to the fall meeting. In the interim, please visit [www.acsindy.com](http://www.acsindy.com). I know you are as excited as we are and eager to help. We will soon have a list of tasks for volunteers but, meanwhile, you can help us by spreading the news, encouraging scientists to attend the meeting and checking whether your company or institute would like to be a sponsor for our event.



*“Many thanks to Dr. Maddalone for coming to share his experiences.”*



*Dr. Ray Maddalone*



*Macharri Vorndran-Jones from the Eli Lilly Patent Law Division.*

## First Quarter 2013 Speaker Reviews

*By Brian Mathes*

### AGENT ORANGE

On February 26, the Section welcomed Dr. Ray Maddalone to talk about his involvement with the at-sea incineration of Agent Orange in the late 1970s. Dr. Maddalone, a retired employee from Northrop Grumman Corporation, presented a lively talk complete with fabulous pictures of the Bikini Atoll, the incineration ship M/T Volcanus as well as the Agent Orange storage facilities. Dr. Maddalone gave the audience a perspective on the creation of Agent Orange, its manufacture and the issues surrounding the disposal of this substance. He involved the audience in his descriptions and schematics of the incinerator and the incineration details. A terrific discussion with the audience closed up the presentation. Many thanks to Dr. Maddalone for coming to share his experiences.

### PATENT LAW

On March 26, the Section teamed up with Macharri Vorndran-Jones from the Eli Lilly Patent Law Division to talk about the America Invents Act (AIA) and its implications. On March 15 of this year, the AIA went into effect allowing for a major revamping of the United States patent system. The biggest change was that the United States moved from a “first to invent” system to a “first to file” system. This change brings the United States into harmony with the patent system of the European Union and others. Ms. Vorndran-Jones laid out many of the changes in the system and the implications of those changes for the inventor: from large companies to the smallest home inventor. Her presentation was punctuated with lots of discussion within the audience about the pluses and minuses of this new system. The audience was fortunate to have four law students in the group. The Section would like to thank Ms. Vorndran-Jones for taking the initiative to present and discuss these changes.

## ACS Silver Circle

*By Paul Lewer*

The ACS Silver Circle is for members whose life experiences have earned them a silver “crown”. Silver Circle members have valuable experiences in chemistry, which they are encouraged to share through outreach activities. They have common interests or concerns that may be addressed in local Silver Circle committees. For more details on how the ACS is leveraging its most experienced members, check out:



[http://portal.acs.org/portal/acs/corg/content?nfpb=true&\\_pageLabel=PP\\_TRANSITIONMAIN&node\\_id=1478&use\\_sec=false&sec\\_url\\_var=region1&uuid=185863b8-79bb-4d55-83f9-c94fe0ee0a74](http://portal.acs.org/portal/acs/corg/content?nfpb=true&_pageLabel=PP_TRANSITIONMAIN&node_id=1478&use_sec=false&sec_url_var=region1&uuid=185863b8-79bb-4d55-83f9-c94fe0ee0a74)

The December 2012 edition of the Silver Circle newsletter may be found here:

[https://www.magnetmail.net/actions/email\\_web\\_version.cfm?recipient\\_id=861223019&message\\_id=2413573](https://www.magnetmail.net/actions/email_web_version.cfm?recipient_id=861223019&message_id=2413573)

**American Chemical Society  
Indiana Section  
Annual Awards Banquet**

**Tuesday, May 7, 2013  
5:30 PM – 8:30 PM**

**Butler University  
Krannert Room, Clowes Hall**



*“RSVP to Bob Pribush  
no later than  
Wednesday, May 1,  
2013.”*



## Annual Awards Banquet

*By Bob Pribush*

The Annual Awards Banquet of the Indiana Section of the American Chemical Society will be held from 5:30 PM - 8:30 PM in the Krannert Room of Clowes Hall on the Campus of Butler University. Awards will be presented to the top-scoring students who participated in the 2013 Scholarship Examination, fifty- and sixty-year members, and members who have made major contributions to the Indiana Section ACS.

A buffet dinner will be available from 5:30-6:30, followed by the awards ceremony.

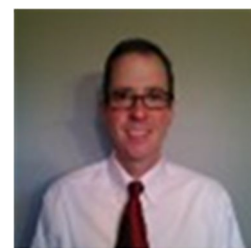
Dinner is free of charge to all award winners and teachers, with a \$15.00 charge for all others (cash or check at the door).

All participants must RSVP by e-mail to Bob Pribush (rpribush@butler.edu) no later than Wednesday, May 1, 2013. In your RSVP please include the names of all in your party and whether they are award winners, teachers, or guests.

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## May 7 Awards Night Banquet Speaker

*By Brian Mathes*



*Dr. Scott M. Sheehan*

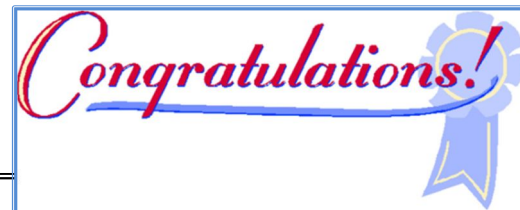
Our speaker for the May 7 Awards Night banquet is Dr. Scott M. Sheehan who is Senior Director of Molecular Design and Lead Generation Technologies at Lilly Research Labs. Dr. Sheehan will speak on the topic of “Discovery Chemistry in Pharmaceutical Research”.

Dr. Sheehan has been at Eli Lilly and Company for fourteen years. His path to Lilly started by getting his Bachelor's degree from Worcester Polytechnic University, a trip to Emory University for his Ph.D. and finally a tour of duty at Harvard for his Post Doc. He started at Lilly as a Senior Organic Chemist working on cardiovascular targets. He quickly moved up the ladder and spent time as the Head of Neurodegeneration, managing chemists involved in targets like Alzheimer's. Dr. Sheehan's ability to lead in new technologies led to his appointment as Director of Fragment-Based Drug Discovery utilizing cutting edge techniques to find new starting points for medchem projects. Dr. Sheehan is currently the Senior Director responsible for developing new lead generation strategies and technologies. In addition, to his technical knowledge, Dr. Sheehan is well known for his ability to enable highly capable teams and bring a personal touch to his groups.

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## 2013 Indiana Section ACS Scholarship

By Bob Pribush and Jianping Huang



### EXAMINATIONS - OVERVIEW

Below are the results of the 2013 Indiana Section ACS Scholarship and USNCO Exam held at Butler University on Saturday, March 2, 2013. There were a total of 221 students who took the exam (of 274 nominated): 112 (of 134 nominated) took the first year exam (average score 25/60), 70 (of 83 nominated) took the advanced exam (average score 37/60), and an additional 39 (of 56 nominated) students who took the exam solely to compete for a spot on the United States National Chemistry Olympiad team (average score 35/60).

Students who scored high on the exam were contacted and invited to participate in the second phase of the USNCO competition, which was a written exam plus a practical laboratory exam held at Butler University on Saturday, April 13, 2013. These students are also listed below. Our goal was to get Hoosier students to qualify for the three-week USNCO camp at the United States Air Force Academy from which the USNCO team will be chosen.

The award banquet, to celebrate the accomplishments of the winning students, will begin at 5:30 p.m. on Tuesday, May 7, 2013 in the Krannert Room of Clowes Hall on the campus of Butler University

### INDIANA SECTION SCHOLARSHIP RESULTS

*First Year Exam* (each student received the indicated scholarship plus a book award)

- 1<sup>st</sup> place - Amy Zhou, Zionsville - \$1000 scholarship
- 2<sup>nd</sup> place - Julia Wang, Park Tudor - \$800 scholarship
- 3<sup>rd</sup> place - Nathan Mytelka, Park Tudor - \$600 scholarship
- 4<sup>th</sup> place - John Havlik, Park Tudor - \$400 scholarship
- 5<sup>th</sup> place - Robert Gerdisch, Park Tudor - \$200 scholarship

Honorable mention - book award

Andrew Brown, Avon; Matthew Deaton, Carmel; Kevin Fei, Carmel; Kevin Mi, Carmel; Sonny Miller, Fishers; Zac Li, Park Tudor; Maggie Benson, Waldron; Steve Wade, Western Boone; Kevin Claps, Zionsville; Will Cunningham, Zionsville; Zach Neuman, Zionsville; Teresa Ortyl, Zionsville; Robert Shrote, Zionsville

Team Award - \$100 plus plaque or certificate

- 1<sup>st</sup> place - Park Tudor
- 2<sup>nd</sup> place - Zionsville
- 3<sup>rd</sup> place - Carmel
- 4<sup>th</sup> place - Fishers
- 5<sup>th</sup> place - Avon

WOW!

*Advanced Exam* (each student received the indicated scholarship plus a book award)

1<sup>st</sup> place - Willie Zhu, Carmel - \$1000 scholarship

2<sup>nd</sup> place - Boris Shou, International School of Indianapolis - \$800 scholarship

3<sup>rd</sup> place - Patrick Tan, Carmel - \$600 scholarship

Honorable mention - book award

Scott Liu, Carmel; Alice Wang, Carmel; Christine Wang, Carmel; Dennis Yang, Carmel; Dan Fu, Park Tudor; Rachael Miller, Zionsville; Nicholas Perkins, Zionsville

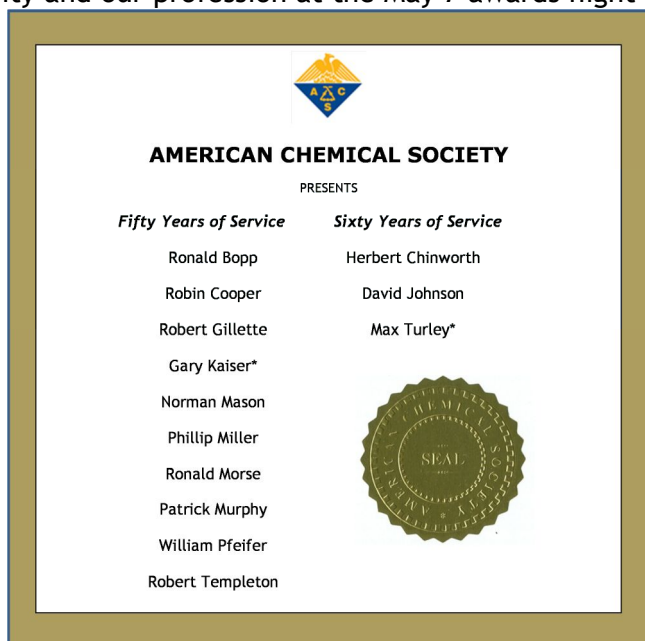
### INDIANA SECTION CHEMISTRY OLYMPIAD: STUDENTS WHO QUALIFIED FOR THE NATIONAL USNCO EXAM

Levi Burk, Southport; Daniel Fu, Park Tudor; Claudia Huang, Carmel; Claire Lee, Franklin Central; David Liang, Carmel; Rachel Miller, Zionsville; Raja Reddy, University; Boris Shou, International School; Prabheep Singh, Fishers; Patrick Tan, Carmel; Xiaohong Tan, Fishers; Julia Wang, Park Tudor; Amy Zhou, Zionsville.

## 2013 Fifty-Year and Sixty-Year Anniversary Members of ACS

*By Sibel Selcuk*

Each year the Indiana Section honors those members who have achieved fifty and sixty years of membership in the American Chemical Society. Honorees are invited to the Awards Night Banquet as guests of the Section and are presented certificates recognizing their years of membership. At the national level once persons reach fifty years of membership; they receive *Chemical and Engineering News* at no cost, pay no dues, and pay no meeting registrations. Please join us to celebrate their contribution to our community and our profession at the May 7 awards night banquet at Butler University.



\*The ACS Indiana Section would like to acknowledge the contributions of two long-term ACS members, Dr. Gary Kaiser (a 50-year member) and Mr. Max Turley (a 60 year-member). Both Dr. Kaiser and Mr. Turley passed away in 2013. They would have enjoyed the awards banquet and the opportunity to recognize the young scholars here today.

Max Turley was a metallurgical chemist at PR Mallory, now known as CMW, for many years before retiring in 1991 after turning 70. Gary Kaiser retired after 36 years at pharmaceutical manufacturer at Eli Lilly and Company. He was R & D Director, directing operations for multidisciplinary teams and working on osteoporosis products.



## Indiana Section Calendar for Remainder of 2013

By Brian Mathes

April 20:	Science Day at the Delaware Co. Fairgrounds - Jason Ribblet; Muncie IN
May 7:	Awards Night - Butler University; 5:30 to 8:30 PM Guest speaker: Dr Scott Sheehan, Lilly Research Labs
June:	<i>Open - possibly a speaker on The Chemistry of Beer?</i>
July 25:	Project SEED poster Session; IU School of Medicine Atrium; 4 PM Elmer Sanders; <a href="mailto:elmer.sanders@yahoo.com">elmer.sanders@yahoo.com</a>
July 29:	Baseball Night at Victory Field - Indians vs. Louisville Bats; 7 PM RSVP to Brian Mathes; mathes@lilly.com
August:	Open
September 8-13:	246 <sup>th</sup> Annual Meeting
October:	ACS Poster Session NO POSTER SESSION DUE TO ACS MEETING
November 2:	National Chemistry Week Celebration - Children's Museum of Indianapolis Viola Kimbowa - <a href="mailto:kimbowavi@lilly.com">kimbowavi@lilly.com</a>

April 2013

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Please Visit  
[WWW.ACSINDY.com](http://WWW.ACSINDY.com)

See you at the 246th ACS  
National Meeting in Indianapolis  
Sept. 8-12, 2013!

