

## April Section Meeting

*Sponsored by the Industrial Liaison Committee*

### Lab Safety from High School and College to the Workplace: What Industry Needs Now

- When:** Saturday, April 18, 2015
- Where:** University of Detroit Mercy  
Chemistry Building  
Room C114
- Time:** Program from 9:30 A.M. – 1:00 P.M. (includes free lunch!)
- Panelists:** Sheryl Goddard, Ash Stevens, Inc.  
Magnus Ndukwe, MS., MIOSHA  
Jay G. Otten, Ph.D., BASF Corporation, Retired

#### Description

The American Chemical Society initiated a dialogue on lab safety after fatalities or serious injuries occurred in academic labs throughout the country. The Detroit ACS Industrial Liaison group wants to discuss how we can train our high school and college students to be safe when they go into the work place.

This meeting will be an informal panel type of discussion with scientists and safety specialists from major companies (BASF, Ash Stevens) and MIOSHA (General Industry Safety Health) providing information concerning what industry expects from high school and college graduates their first day on the job. Proper lab safety is more than just wearing protective glasses. Hear a team of experts present the information that teachers at all levels need to know, in order to train an effective, safe work force.

We will present the panel with questions prior to this symposium, so they have time to present a well thought out series of answers.

But we need your help! If you have specific questions for our panel, please e-mail them to Mark Benvenuto at [benvenma@udmercy.edu](mailto:benvenma@udmercy.edu) or Hulya Ahmed at [hulya.ahmed@basf.com](mailto:hulya.ahmed@basf.com).

#### **RSVP:**

There is no cost to attend, but please RSVP to Mark Benvenuto at [benvenma@udmercy.edu](mailto:benvenma@udmercy.edu), so that we might have an accurate count for lunch.

Biographical information for the speakers and directions to the McNichols campus are on page 4

**2015 U.S. National Chemistry Olympiad  
Detroit Local Section Examination**

The Local Section Exam for US National Chemistry Olympiad was administered on Thursday, March 19 on the campus of the University of Michigan-Dearborn. This year 230 students from twenty-nine area high schools took part in the event. The high score on this year's Local Section Exam was achieved by Ethan Curtis of Brighton High School, who correctly answered 68 out of 70 multiple choice questions. Listed below are the top twenty scorers on the exam. The top twelve are recognized as Nominees of the Detroit Section and will return to UM-Dearborn in April to sit for the National Exam. Generous financial support from the General Motors Corporation will enable the Section to award cash prizes to the Nominees and the Runners-up.

**NOMINEES**

<u>Name</u>	<u>Hometown</u>	<u>High School</u>	<u>Teacher</u>
Ethan Curtis#	Brighton	Brighton High School	Josef Hudecek
Saumeel Desai#	Sterling Heights	UCMST*	Mike Attan
Jerry Gao	Troy	Troy High School	W. Hevel, J. Moore
Lily Ireton	Brighton	Brighton High School	Josef Hudecek
Naveen Jasti#	Troy	Detroit Country Day	Julia Winter
Jason Ji #	Troy	Troy High School	W. Hevel, J. Moore
Jonathan Li #	Troy	Troy Athens High School	Jane Marie Moss
Aakash Patel	Canton	Plymouth High School	Scott Milam
James Rivard	Birmingham	Univ. of Detroit Jesuit H.S.	Priscilla Oshikiri
Sukhnayak Sohi	Shelby Township	International Academy-East	Roger Winn
Maxwell Weng	Novi	Novi High School	Rand Helmkamp
Robert Xu	Novi	Novi High School	Rand Helmkamp

# Nominee 2014

\*Utica Center for Math, Science and Technology

**RUNNERS-UP**

<u>Name</u>	<u>Hometown</u>	<u>High School</u>	<u>Teacher</u>
Harris Bunker	Grosse Pte. Woods	Grosse Pointe North H.S.	Steve Kosmas
Vimeet Kamat	Troy	Troy High School	W. Hevel, J. Moore
Zain Khera	Canton	Plymouth High School	Scott Milam
Jaeyoon (Eric) Kim	Rochester Hills	Rochester Adams H.S.	Tim Domanski
Lucy Li	Troy	Troy High School	W. Hevel, J. Moore
Ken Lu	Troy	Troy High School	W. Hevel, J. Moore
Jeffrey Wan	Novi	Novi High School	Rand Helmkamp
Mitchell Wu	Novi	Novi High School	Rand Helmkamp

*Continued from page 2*

**2015 U.S. National Chemistry Olympiad  
Participating Schools (29) - Local Section Exam**

Anchor Bay High School  
Bloomfield Hills High School  
Brighton High School  
Chippewa Valley High School  
Cranbrook Kingswood Upper School  
Crestwood High School  
Detroit Country Day School  
Divine Child High School  
Farmington High School  
Franklin High School  
Grosse Pointe North High School  
Harrison High School  
Howell High School  
International Academy-East  
International Academy-Okma  
North Farmington High School  
Northville High School  
Novi High School  
Plymouth High School  
Rochester High School  
Rochester Adams High School  
St. Catherine's of Siena Academy  
The Roeper School  
Trenton High School  
Troy Athens High School  
Troy High School  
Univ. of Detroit Jesuit High School  
Utica Center for Math, Science and Technology  
West Bloomfield High School

**Chemists Celebrate Earth Day**

Join the Detroit Local Section to celebrate Earth Day for a two day event at the Detroit Zoological Society in Royal Oak, Michigan. The event will be held April 18 - 19th from 9 a.m. to 3 p.m. As a volunteer you will be helping attendees of all ages with hands on chemistry experiments. For more details about the event, please see the March edition of The Chemist. If you would like to volunteer on one of the days, please contact Denise Grimsley at [denise.grimsley@basf.com](mailto:denise.grimsley@basf.com)

## Speaker Biographies - April Meeting

**Sheryl Goddard**, a chemical engineer, has worked for the past 6 years as the Environmental, Health, and Safety Manager at Ash Stevens Inc. in Riverview. She is responsible for administering the EHS procedures and maintaining site compliance with state and federal regulations. This includes integrating the EHS program into other business functions such as manufacturing schedules and compliance requirements for other agencies. Ash Stevens is a full-service pharmaceutical contract manufacturer (CMO) with over five decades of experience developing drug substances and manufacturing active pharmaceutical ingredients (APIs).

**Magnus Ndukwe**, has been working as an Industrial Hygienist with the Michigan Occupational Safety and Health Administration (MIOSHA), General Industry Safety and Health Division for the past 25 years. Magnus Ndukwe is an enforcement officer for MIOSHA in the State of Michigan, with responsibilities to ensure that employers comply with MIOSHA workplace regulatory requirements. Prior to working with MIOSHA, Magnus worked for BASF Milford plant, in Quality Control Laboratory as a Chemist Technician. Magnus has a Bachelor's of Science degree in Chemistry from Eastern Michigan University; Masters of Science in Occupational and Environmental Health Sciences from Wayne State University, and is currently pursuing doctoral degree in Education at Wayne State University.

**Jay G. Otten**, retired from BASF Corporation in Wyandotte, Michigan after 35 years of employment. Prior to his retirement from BASF, he was the Manager of Technology, Innovation, IP and R&D Controlling in the Care Chemicals Division. As a manager, he coordinated and participated in the Educational Outreach program. He was also a recognized safety leader in a large chemical corporation. He received his Bachelor of Science from Bradley University, and his Ph.D. in physical organic from Purdue University.

### A Perspective from an MIOSHA Compliance Officer

By Magnus Ndukwe

Chemists work in many areas in workplaces such as, but not limited to, research laboratories, synthetic laboratories, quality control laboratories, hospital laboratories, industrial processes, nuclear plants, and scale-ups. These individuals were, at one time, students in high schools, colleges and universities before graduating with chemistry degrees. Based on potential hazards of chemicals confronting chemists in their profession, it is important that we become proactive, instead of reactive, in having students understand potential hazards associated with chemicals. In my opinion, to graduate students with cognitive knowledge of chemical hazards, we need to start from teaching and learning in classrooms and laboratories of high schools and colleges in America.

### Directions to University of Detroit Mercy:

Please click on the incorporated Website links to find directions to University of Detroit Mercy (<http://www.udmercy.edu/about/campus/locations/index.htm#mcn>) and a campus map (<http://www.udmercy.edu/about/campus/locations/UDM-McNichols-Campus-map.pdf>).

**Detroit Local Section of the American Chemical Society  
Younger Chemists Committee Presents:**



Brewing Chemistry is a monthly lectures series. These informal talks are designed to make science fun and accessible for all. The lectures take place at 7:00 PM on the third Tuesday of every month at:

Traffic Jam & Snug  
511 West Canfield Street, Detroit, MI 48201

There is no admission charge, and free parking is available.  
Feel free to join us before the talk at 6:00 PM for a Dutch-treat dinner.

For more information, contact Meghann at (313) 993-1259 or [meghann@brewingchemistry.com](mailto:meghann@brewingchemistry.com)

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**The Role of the Quality Assurance and Safety  
Compliance Laboratories in the Emerging  
Medical Marijuana Industry**

**Tuesday, April 21, 2015 at 7:00 PM**

**Presented by: Joseph Rutkowski,  
Chief Chemist, IRON Laboratories, LLC**

As cannabis is a complex plant with many elements that affect the human body, it is the presence of specific elements (THC, cannabinoids and terpenes), and their ratio to each other that can impact your health and well-being. IRON Laboratories identifies the existence and amounts of all known elements in the plant. Joseph Rutkowski will describe the techniques used to analyze cannabis by microscopic analysis and chromatographic techniques, including high performance liquid chromatography (HPLC) and gas chromatography-mass spectrometry (GC-MS).

**[www.brewingchemistry.com](http://www.brewingchemistry.com)**



## ANACHEM News Bulletins

### Tom Korniski Receives Lifetime Service Award on May 6<sup>th</sup>

Tom Korniski will receive the ANACHEM Lifetime Service Award at an award dinner on Wednesday, May 6<sup>th</sup>. Tom became an ANACHEM Fellow in 1993 because of his service to the society. Since then he has continued to make invaluable contributions including Arrangements Chair for the fall ANACHEM / SAS Symposium and member on the board of directors. Please join us for an enjoyable evening as we celebrate with Tom.

Make your reservation by e-mail to [KLOlson@wowway.com](mailto:KLOlson@wowway.com) or by leaving a message at 586-293-8104. When you arrive, choose your dinner entrée from Dublin Broil, Chicken O'Mara, or Lake Superior Whitefish. (Vegetarian entrée can be requested when you make your reservation.)

- What:** Award Dinner Honoring Tom Korniski  
**Date:** Wednesday, May 6, 2015  
**Where:** O'Mara's Restaurant  
2555 W. 12 Mile Rd., Berkley, MI ([www.omaras.net](http://www.omaras.net))  
**Time:** Social Hour 5:30 PM (Cash Bar)  
Dinner 6:30PM  
**Cost:** \$25 Per Person (cash or check made to ANACHEM)

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### Jonathan Sweedler Chosen for 2015 ANACHEM Award

The ANACHEM Award Committee has chosen to honor Professor Jonathan Sweedler, University of Illinois, with the 2015 ANACHEM Award. The award has been presented annually at the international FACSS/SciX conference since 1973. This year the SciX Conference will be in Providence, RI, Sept. 27 – Oct. 2, 2015 ([www.scixconference.org](http://www.scixconference.org)). ANACHEM is a charter member of FACSS ([www.anachem.org](http://www.anachem.org)).



*2015 ANACHEM Awardee  
Professor Jonathan Sweedler  
University of Illinois, Urbana, IL*

# May Section Meeting with the Canadian Society for Chemistry International Awards Banquet

**Date:** Wednesday, May 20, 2015

**Where:** Sinbads Restaurant and Marina  
100 St. Clair  
Detroit, MI 48214  
(313) 822-8000  
<http://www.sinbads.com/>

**Time:** 5 – 6 pm Cash Bar Mixer  
6 – 7 pm Dinner  
7 – 9 pm Awards & Presentation

**RSVP:** By Tuesday May 12<sup>th</sup> to Charlene Hayden  
at [hayden2@oakland.edu](mailto:hayden2@oakland.edu) or (248) 370-2325

This year, the Detroit Section of the American Chemical Society will be hosting our colleagues from the Chemical Institute of Canada (Canadian Society for Chemistry) on the U.S. side of the river! On May 20<sup>th</sup>, we will honor students, volunteers and members at Sinbads Restaurant and Marina in downtown Detroit (see address and website link above). We will recognize Chemical Institute of Canada Student Awards and Prizes and ACS 50 and 60 year Members, Volunteers, Salutes to Excellence Award Recipients, Volunteer of the Year Award Recipient, Section Distinguished Service Award Recipient, and Undergraduate Student Awards. The award recipients will be announced in the May edition of *The Detroit Chemist*.

The evening will include a cash bar from 5 - 9 pm, dinner, awards, and a guest speaker presentation (speaker and topic will be announced in the May issue of the Detroit Chemist).

The cost of dinner will be \$40 US funds or \$40 CAN funds, payable by check at the banquet. Guests of Sinbads are required to use the valet parking onsite (optional gratuity upon leaving).





Grand Rapids, MI | [jglcrm2015.com](http://jglcrm2015.com)

**The ACS invites you to join us at the**  
**[2015 Joint Great Lakes Central Regional Meeting](#)**  
**May 27 - 30, 2015**  
**Grand Rapids, Michigan**

The [2015 Joint Great Lakes Central Regional Meeting](#) will be held May 27th-30th at the DeVos Place in Grand Rapids, Michigan. Visit the [JGLCRM website](#) for up-to-date program information.

**Now Open**  
[Online Registration](#) and [Abstract Submissions](#)

Need a hotel room? A special rate of \$134 is being offered at the [Amway Grand Plaza Hotel](#), located next to the DeVos Place, until **April 19th**. Reservations can be made [online](#) or by calling the hotel at 800-253-3590.

Please see page 9 for registration form.





# JGLCRM 2015

May 27 – 30, 2015

DeVos Place, Grand Rapids, MI

Hosted by the ACS Kalamazoo & Western MI Local Sections

[www.jglcrm2015.com](http://www.jglcrm2015.com)



Academe  Industry  Government  Other

Name:

Company/Institution:

Street Address:

City, State, Zip:

Local Section:

ACS Division(s):

Phone:

Fax:

Email:

### REGISTRATION FEES

	ADVANCE Until April 19 <sup>th</sup>	ONSITE After April 19 <sup>th</sup>
<input type="checkbox"/> 01. ACS Member	\$135	\$175
<input type="checkbox"/> 02. Nonmember	\$200	\$250
<input type="checkbox"/> 03. Graduate Student/Post-Doc	\$60	\$75
<input type="checkbox"/> 04. Undergraduate Student	\$50	\$65
<input type="checkbox"/> 05. High School Teacher	\$25	\$40
<input type="checkbox"/> 06. Retired/Emeritus	No Charge	No Charge
<input type="checkbox"/> 07. Unemployed	No Charge	No Charge
<input type="checkbox"/> 08. 50+ Year ACS Member	No Charge	No Charge
<input type="checkbox"/> 09. High School	No Charge	No Charge
<input type="checkbox"/> 10. Guest	\$30	\$45

- Registration must be accompanied by payment in order to be processed.
- Request for refunds must be submitted in writing prior to April 19<sup>th</sup> in order to receive a refund minus the \$25 administrative fee.
- Questions can be directed to ACS Regional Meetings at 1-800-333-9511 or by contacting Brianne Blevins via email at [b.blevins@aca.org](mailto:b.blevins@aca.org)
- Please contact Brianne Blevins at [b.blevins@aca.org](mailto:b.blevins@aca.org) to advise of any dietary or physical restrictions.

Spouse, relative or person who would not typically attend an ACS meeting

Guest of: \_\_\_\_\_

### SOCIAL EVENTS

Event	Date	Time	Price
<input type="checkbox"/> YCC Fun-Run – proceeds go to fund YCC programming	Thursday, May 28 <sup>th</sup>	7:00 AM	Students: \$20 / All others: \$35
<input type="checkbox"/> Frederik Meijer Garden Tour	Thursday, May 28 <sup>th</sup>	11:00 AM – 3:00 PM	\$49.00*
<input type="checkbox"/> WCC Luncheon	Thursday, May 28 <sup>th</sup>	12:00 PM – 1:30 PM	\$25.00
<input type="checkbox"/> YCC Luncheon	Thursday, May 28 <sup>th</sup>	12:00 PM – 1:30 PM	\$25.00
<input type="checkbox"/> YCC Networking Event	Thursday, May 28 <sup>th</sup>	5:00 PM	Complimentary
<input type="checkbox"/> SciMix and Expo	Thursday, May 28 <sup>th</sup>	7:00 PM – 9:00 PM	Ticketed Event – no charge
<input type="checkbox"/> Hofmeister State Park Tour	Friday, May 29 <sup>th</sup>	11:00 AM – 4:00 PM	\$41.00*
<input type="checkbox"/> Ice Cream Social with ACS Governance	Friday, May 29 <sup>th</sup>	2:00 PM – 3:00 PM	\$5.00
<input type="checkbox"/> Great Lakes/Central Regional Awards Banquet Please select your entrée preference: <input type="checkbox"/> Beef <input type="checkbox"/> Salmon <input type="checkbox"/> Vegetarian	Friday, May 29 <sup>th</sup>	6:00 PM – 9:00 PM	\$45.00
<input type="checkbox"/> Undergraduate Social Event	Friday, May 29 <sup>th</sup>	7:00 PM – 9:00 PM	Complimentary

### WORKSHOPS

<input type="checkbox"/> ACS Leadership Institute: Leading Without Authority***	Wednesday, May 27 <sup>th</sup>	1:00 PM – 5:00 PM	See next page
<input type="checkbox"/> ACS Leadership Institute: Fostering Innovation***	Thursday, May 28 <sup>th</sup>	8:00 AM - Noon	See next page
<input type="checkbox"/> Effective Chemical Safety Management: A Risk-Based Perspective for the Chemical Hygiene Officer	Thursday, May 28 <sup>th</sup>	8:30 AM – 4:30 PM	Members: \$325 Non-Members: \$350
<input type="checkbox"/> ACS Career PATHWAYS – Finding your path	Friday, May 29 <sup>th</sup>	8:00 AM - Noon	Complimentary
<input type="checkbox"/> ACS Career Fair – Resume Review	Friday, May 29 <sup>th</sup>	1:30 PM – 5:00 PM	Scheduled Appointment Required

TOTAL FEES: Registration	\$ _____	Method of Payment:	<input type="checkbox"/> American Express	<input type="checkbox"/> Master Card	<input type="checkbox"/> Visa	<input type="checkbox"/> Check						
Social Events and Workshops	\$ _____	<table border="1"> <tr> <td>EXP DATE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					EXP DATE					
EXP DATE												
TOTAL AMOUNT ENCLOSED	\$ _____	Cardholder Name (please print): _____										
Signature: _____												

## **JGLCRM Workshop Descriptions**

\*\*\*You MUST register and pay in order to reserve your seat for any of the ACS Leadership Courses being offered. The first nine ACS members to register for any one of the Leadership Courses will receive a full refund of the course price and the next eleven registrants will receive a 50% discount. Refunds will be issued to members meeting the qualifications.

After the first 20 registrants, normal rates apply (\$150 members, \$300 non-members)

**1. Leading Without Authority \*\*\*** - In today's environment of shrinking hierarchies and increased reliance on individual contributors and teams, the skills in this workshop are valuable to all members, whether you are in a formal leadership position or not. Members and non-members will be able to use these skills immediately in their work and school environments to better direct and manage projects, teams, committees.

**This course is being offered from 1 – 5 PM on Wednesday, May 27th**

**2. Fostering Innovation \*\*\*** - We are constantly challenged to come up with new ideas, approaches, and solutions, yet most of us feel ill-equipped to do this effectively. With a systematic and proven process to generate ideas you can lead your team to develop new ideas. Gain the understanding and tools to tap into your own innovation style and stimulate innovative thinking among your team members.

**This course is being offered from 8 AM – 12 PM on Thursday, May 28th**

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## **JGLCRM Special Events and Attractions**

### **Frederick Meijer Gardens and Sculpture Park - (4 Hours)**

Discover the beauty and splendor of the botanical gardens and internationally acclaimed sculpture park right in Grand Rapids! Home to Leonardo Da Vinci's Horse, Frederik Meijer Gardens has over 30 acres of gardens and sculptures. You will get to experience all that it has to offer via a narrated tram tour. There will also be plenty of time to walk around at your leisure, whether it is outdoors on the nature trails and boardwalk, or inside, which boasts the largest tropical conservatory in the state of Michigan. Transportation and a \$10 lunch voucher for the "Taste of the Gardens Café" are also included. (*\*Price based on 34 passengers*)

### **Hoffmaster State Park – (5 Hours)**

The peaceful community of Muskegon, Michigan is a veiled treasure of excellence with miles of pristine beaches and sail boats dotting the horizon. Join us for a fabulous "Beach Day" at the Hoffmaster State Park to experience this for yourself. With 3.5 miles of beautiful Lake Michigan shoreline, and surrounded by extensive dunes, the Hoffmaster State Park is a great place to enjoy the water and soak up the sunshine. Transportation and a deluxe boxed lunch are also included. (*\*Price based on 34 passengers*)



## Calendar of Upcoming Events

**Second Tuesday of the Month:** Detroit Section Executive Committee Meeting - from September through May (except December). Meetings start at 7:00 PM and are currently held at Lawrence Technological University. For additional information contact Professor Shannon Timmons, [stimmons@ltu.edu](mailto:stimmons@ltu.edu)

**Third Tuesday of Every Month:** Science Café - Brewing Chemistry at Traffic Jam & Snug Restaurant at 7:00 PM. For latest information, please see <http://brewingchemistry.com>

**Fourth Tuesday (most months):** Planning meetings for 2017 CERM at University of Detroit-Mercy. Please contact Professor Mark Benvenuto at [benvenma@udmercy.edu](mailto:benvenma@udmercy.edu) for details.

**April 18 – 19<sup>th</sup>:** CCED event at Detroit Zoo, volunteers wanted. Please see March Chemist for details.

**April 18<sup>th</sup>:** Safety Symposium at University of Detroit Mercy. Please see page 1 for details.

**April 21<sup>st</sup>:** Brewing Chemistry at Traffic Jam & Snug, 7:00 p.m., topic “The Role of the Quality Assurance and Safety Compliance Laboratories in the Emerging Medical Marijuana Industry” presented by Joseph Rutkowski, Chief Chemist, IRON Laboratories. Please see page 5 for details.

**May 6<sup>th</sup>:** ANACHEM Lifetime Service Award Dinner at O’Mara’s Restaurant honoring Tom Korniski. Please see page 6 for details.

**May 8<sup>th</sup>:** **\*DATE CHANGE\*** 17<sup>th</sup> Annual Rouge Water Festival at University of Michigan – Dearborn. Details are event are still TBD at time of printing due to construction at Dearborn campus. For more information or to volunteer please contact [mkheidtke@aol.com](mailto:mkheidtke@aol.com)

**May 19<sup>th</sup>:** Brewing Chemistry at Traffic Jam & Snug, 7 p.m., topic Olive Oil and Balsamic Vinegar (title TBD at time of printing). Please visit <http://brewingchemistry.com> for details.

**May 20<sup>th</sup>:** CIC Joint Meeting Annual Awards Banquet at Sinbads Restaurant and Marina in Detroit, Michigan. Speaker TBD at time of printing. For more details please see page 7.

**May 27 – 30<sup>th</sup>:** Joint CERM and Great Lakes Regional Meeting. Registration is open. Please visit <http://jglcrm2015.com> Please see pages 8 – 10 for details.



## Calendar of Upcoming Events

**Second Tuesday of the Month:** Detroit Section Exec. Committee Meeting – held at Lawrence Tech 7:00 PM.

**Third Tuesday of Every Month:** Brewing Chemistry. Please see <http://brewingchemistry.com> for information on upcoming topics.

April 14: April Exec. Committee Meeting

April 18: Safety Symposium at UDM

April 18 - 19: CCED Event at Detroit Zoo

April 21: Brewing Chemistry at TJ &S

May 7: ANACHEM Award Dinner

May 8: K&C Event Rouge River Waterfest

May 12: May Exec. Committee Meeting

May 19: Brewing Chemistry at TJ &S

May 20: CIC Meeting and Award Banquet

May 27 - 30: JGLCRM

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