

# CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

May, 2016  
Vol. 53 No. 8

## Section Calendar

2016 Meeting Schedule

May 18-21	CERMACS Northern KY Convention Ctr.
August 21-25	Fall National ACS Meeting
September 18	Family and Friends Picnic
October	Oesper Symposium
December 7	Joint Meeting with NOBCChe, XU

## In this issue

May Meeting Announcement	1
From the Chair	2
50 Year members	3
CERMACS	4
Teacher Awards	5-7
Student Awards	8
CINTACS Sponsors	9-12

## May 2016 Meeting

### Party Night on the River: Brew & BBQ

The ACS Cincinnati Section and ACS Central Regional Meeting 2016 are co-hosting a social event for section members and regional meeting attendees on Friday, May 20. B&B Riverboats and Madtree Brewery have teamed up to provide a Beer Tasting of locally brewed beers while cruising on the Ohio River. A representative of Madtree Brewery will present background, tasting notes, and perspective on a sampling of beers brewed right here in Cincinnati!

For more information and to register, please go to [www.acscincinnati.org](http://www.acscincinnati.org)

Registration will close at noon on  
Friday, May 13.

Register at <http://www.acscincinnati.org/meetings/>

**THE CINTACS NEWSLETTER****Vol. 54, No. 8 May 2016**

Editor.....Adam Bange

CINTACS is published eight times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately August 25 for the September 2016 issue. Electronic submission is strongly preferred. All materials should be sent to:

Adam Bange  
Xavier University  
3800 Victory Parkway  
Mail Location 4221  
Cincinnati, Ohio 45207-4221  
Tel.: (513) 745-3950  
Fax: (513) 745-3695  
E-mail: Bangea1@xavier.edu

**ACS Cincinnati Section****Chair:**

Jackie Thomas  
thomas.jb.1@pg.com

**1st Vice Chair & Chair-****Elect:**

Mark Laskovics  
mlaskovics@cinci.rr.com

**2nd Vice Chair:**

Scott Tremain  
tremain@uc.edu

**Secretary:**

Michele Mangels

**Treasurer:**

Keith Walters  
walterske@nku.edu

**Trustees**

Kevin Ashley  
Beth Reno  
Diana McGill

Section Members,

Well, I must say that this April Meeting was a huge success at Northern Kentucky University. A big Thank You to Keith Walters and NKU faculty and staff for coordinating the meeting! At the start and after dinner, guests had a special treat to some Chemistry Demonstrations designed around the theme of the upcoming NCW – Solving Mysteries through Chemistry. Another big thank you to the volunteers for the demos and for the SAS presentation - It was wonderful!

Also, this year, we had many student awards for NCW Poem contest, UC SEE science fair winners, the Chemistry Olympiad winners, and the Teachers of the year. It was great to see all the students that will be the next up and coming chemists of the future.

As we prepare for the month of May in our home and work lives, please make sure you have ACS CERM 2016 also marked on your calendar! ACS Central Regional Meeting, coordinated by Dan McLoughlin and Roger Parker, will take place from May 18-21 at the Northern Kentucky Convention Center. Special program sessions include “*Whats Happening Down on the Pharm?*,” *Analytical Chemistry and its Connections to Chemical Engineering*, and *BioInspired Chemistry* by P&G. Please visit the website for more information: [www.acscerm2016.org](http://www.acscerm2016.org)

Also, in May with CERM will be our sections party night! I hope to see all our local members!

Jackie Thomas  
Chair, ACS Cincinnati Local Section  
Jthomas1210@gmail.com

## Congratulations 50-Year ACS Members

The American Chemical Society and its local sections are honoring those who have reached 50 years of membership in 2016. This year, the society has 919 50-year members worldwide. To commemorate reaching this milestone, each member receives a 50-year certificate, a special lapel pin, and a permanent member card entitling him or her to free registration at all national and regional ACS meetings.

***Donald Ray Bohl***

***William Edward Broxterman***

***William De Talvo***

***Donald D Dollberg***

***John A. Glaser***

***Ronald James Jandacek***

***Dorothy Jeanne Jones***

***Richard L. Prairie***

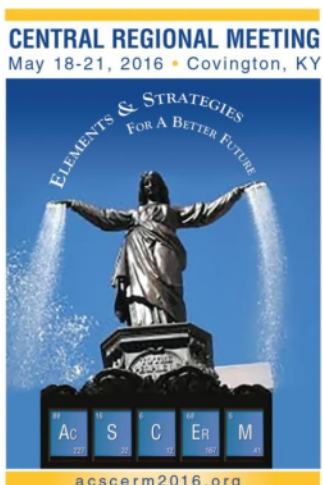
***Marvin Wilson Tabor***

***Thomas James Wagner***

***Victor Duane Warner***

# ATTEND THE ACS MEETING

Sponsored by the Cincinnati Section



## ***ELEMENTS AND STRATEGIES FOR A BETTER FUTURE***

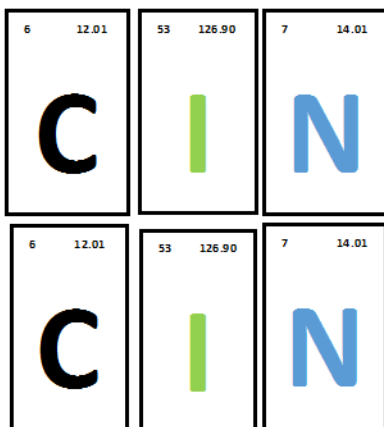
**CERM 2016 - 47<sup>th</sup> Central Regional Meeting of the  
American Chemical Society**

**May 18-21, 2016**

**Northern Kentucky Convention Center  
Covington, KY**

**Stay informed at**

**[ACSCERM2016.org](http://ACSCERM2016.org)**

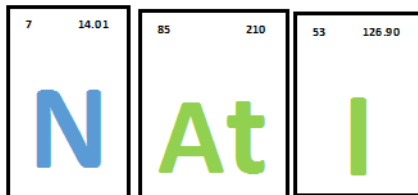


*Nearly 60 symposia and special topic sessions  
Including "BioInspired Chemistry"*

*Multiple General Paper and Poster Sessions  
Vendor Exhibits and Workshops*

*Multiple Career and Leadership Workshops  
Special Teachers Day Workshops*

*Submit an oral or poster presentation and make plans to  
attend by using the links on the WEB site.*



Nominations for Regional Awards  
Deadline March 1, 2016

Abstract Submission deadline March  
15, 2016

## SCIENCE TEACHERS OF THE YEAR

The Cincinnati Section of the American Chemical Society is proud to announce the 2016 Teachers of the Year. Though they teach at different levels, these teachers have several things in common. They all run student-centered classrooms, are dedicated to the profession, and have a love and passion for science that they pass on to their students.

### Elementary Science Teacher of the Year



**Adam Beard**  
**Vermont School**  
**Wyoming School District**

**Adam Beard** teaches third grade at Vermont School. Adam encourages student curiosity and always engages his students to be collaborators in their own learning. In the process of learning how science is done, Adam's students learn other skills and life lessons. He has established an outdoor learning program. The area around Vermont school is filled with 26 garden plots, a recently planted orchard, a greenhouse, and a Habitat Research Center. The students plan the gardens, plant seeds, weed, harvest, and sell their produce at the local Farmer's Market. All scraps from the cafeteria are composted and used in the gardens. In the fall, the rest of the harvest is used for a community dinner where the students plan the menu and cook with the help of a chef. All profits are used to support their sister school in Sierra Leone. With Adam's guidance, these young entrepreneurs have raised \$21 K for this school. Adam's extraordinary efforts teach so much more than science. His students learn communication and planning skills, economics, teamwork, and entrepreneurial acumen along the way.

**Middle School Science Teacher of the year**

**Beth Brown**  
**Mt Carmel School**  
**Franklin County Community Schools**

**Beth Brown** is the 2016 Middle School Science Teacher of the Year. Beth sets high standards for her students and encourages them to do their best work. Her principal, Jim [Dallio](#), said of her, *"Her students see her passion for science and want to please her. Mrs. Brown's excitement for science gets her students excited. Her classroom is dynamic and you never know what to expect when you walk in. Her students may be human molecules bumping into each other, collaborating with each other on an activity, or in super serious and quiet mode as they do a lab."*

Beth creates a classroom that is challenging yet fun. She is a mentor to her students, a role model especially for her female students, a good communicator, and maximizes the time she spends with them. For her annual Science Fair, Beth has her students submit 5 ideas for a project and is very discriminating in what she will allow. Beth help students learn science by doing science.

## High School Chemistry Teacher of the Year



**Mike Geyer,  
Sycamore High School**

Mike Geyer can be described in many ways—an outstanding and knowledgeable chemical educator, a motivator of students, a mentor, a chemistry researcher, and an ally. He provides an environment for his students where they really learn concepts and key process skills. Mike is committed to his students. Using methods and materials aligned to the US and Ohio National Inquiry Standards, he helps his students become independent and inspired learners.

Mike is a wonderful colleague to other chemistry teachers. He is a long time member of the Chemical Educator's Discussion group where he shares his expertise with others, plans programs and host meetings. Mike developed and maintained a website for chemistry teachers which allowed them to access resources and tools to improve their instruction. When the College Board overhauled the AP curriculum, he was one of 14 teachers who formed an AP Chemistry Teachers Support Group. This group discussed pedagogy needed to improve conceptual learning and strengthened the lab program through guided inquiry.

Above all, Mike connects with and mentors his students in more than chemistry. Science Department Chair at Sycamore HS, Julie Haverkos, says many students have singled Mike out as the teacher who made the biggest difference in their high school experience. More important than AP scores are the life lessons learned in Mike Geyer's class.

## 2016 Student Award Winners

### 2<sup>nd</sup> Level Oesper Awardees

*Daniel Grass – 4<sup>th</sup> place*

*Atneya Nair – 2<sup>nd</sup> place*

*Alex Wang – 2<sup>nd</sup> place*

*Jeffery Huang – 1<sup>st</sup> place*

### 1<sup>st</sup> Level Oesper Awardees

*Michael Barresi – 2<sup>nd</sup> place*

*Natalie Choo – 2<sup>nd</sup> place*

*Josie Shiff – 2<sup>nd</sup> place*

*Sam Fallon – 1<sup>st</sup> place*

### USNCO Qualifying Exam

*Kyle Bannerman*

*Jack Lane*

*Aaron Charnay*

*Jack Meyer*

*Benjamin Charnay*

*Juan Ortiz*

*Daniel Grass*

*Sara Rani Reddy*

*Jeffery Huang*

*Alex Wang*

*Julian Kurtzman*

*Max White*





## Robertson Microlit Laboratories

*Where speed and accuracy are elemental™*

Elemental CHN, S, X, Analysis (*same day service*)

Metals by ICP-OES, ICP-MS, AA/AE

FTIR, UV/VIS Spectrometry

TGA, DSC, Melting Point/Range

Bioavailability

Polarimetry

Ion Chromatography, HPLC

KF Aquametry, Titrimetry

1705 US Highway 46 • Suite 1D • Ledgewood, NJ 07852 • 973.966.6668 • F 973.966.0136

[www.robertson-microlit.com](http://www.robertson-microlit.com) • email: [results@robertson-microlit.com](mailto:results@robertson-microlit.com)

*Additional services available... Please call for information*

**Rapid Results • Quality • Accuracy • Competitive Pricing**



- \* GPC/SEC Analysis
- \* GPC/SEC Polymer Standards
- \* GPC/SEC Columns \* Waters™ 150C Parts
- \* WISP 710/712 Parts

**Request your free catalog online**

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

American Polymer Standards Corporation  
8680 Tyler Blvd., Mentor, OH 44060

Phone: 440-255-2211

Fax: 440-255-8397



**Shepherd**

*The Shepherd Color Company*

We Brighten Lives

4539 Dues Drive  
Cincinnati, Ohio USA  
Tel: 1-513-874-0714  
Fax: 1-513-874-5061  
[salesusa@shepherdcolor.com](mailto:salesusa@shepherdcolor.com)

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

**Lasting Color for a  
Demanding World**

**ARCTIC**  
Infrared Reflective Pigments

**StarLight**  
Silver Coated Glass Flakes

**DYNAMIX**  
DRY DISPERSION TECHNOLOGY



The Bioscience Event for Innovators and Intellectual Property Professionals

The Horseshoe Casino --- April 21, 2015

CincyBio is proud to welcome speakers this year from Eli Lilly & Co, Procter & Gamble, Finnegan, CincyTech, Cincinnati Children's Hospital Medical Center, Mintz Levin, and others.

CincyBio's speakers will cover such topics as Withstanding Scrutiny During Biotech IPR and PGR, Natural Products Strategies for an Uncertain Future, International Strategies in Light of US Eligibility, and Protecting the IP of Future Biotech Innovation.

CincyBio is geared towards not only attorneys, but also the innovators, entrepreneurs, and businesses that work tirelessly to bring their ideas and inventions to life.

http://cincyip.org/cincybio-2015/



**Committed to Laboratories.**

Praxair, the largest industrial, medical, and specialty gases supplier in North America, offers a comprehensive portfolio of gas products with the purity, compliance, and certification needed for your laboratory or research application. We work with users to implement the appropriate supply mode from a complete range of cylinder, dewar, microbulk, and bulk options and help protect the integrity of their high quality gases with Praxair's full line of ProSpec™ regulators, manifolds, delivery systems, and safety products.

Get new ideas for your lab!  
Contact Roza Vilner, Specialty Gas Territory Manager



513-400-7498



Roza\_Vilner@praxair.com



www.praxairdirect.com

## Kinetica, Inc.

ISO 17025 Certified Thermoanalytical Testing Services for the Chemical Process Industry

**Kinetica provides testing and consulting services  
for process safety and process development**

- Accelerating Rate Calorimetry
- Bomb Calorimetry
- Differential Scanning Calorimetry
- Solution Calorimetry
- Explosives and Pyrotechnics Analysis
- Large-scale SADT Testing
- Litigation Support

9560 North Dixie Highway • Franklin OH 45005 • Telephone: 937-743-3082 • Fax: 937-743-3652  
[www.thermochemistry.com](http://www.thermochemistry.com)



# micron inc

ANALYTICAL SERVICES

MATERIALS CHARACTERIZATION  
MORPHOLOGY - CHEMISTRY - STRUCTURE

3815 LANCASTER PIKE WILMINGTON DE. 19805

Voice 302-998-1184, Fax 302-998-1836

E Mail [micronanalytical@compuserve.com](mailto:micronanalytical@compuserve.com)


WEB PAGE : [WWW.MICRONANALYTICAL.COM](http://WWW.MICRONANALYTICAL.COM)

ADVANCED  
· TESTING ·  
LABORATORY

- ▶ MICROBIOLOGY
- ▶ CHEMISTRY
- ▶ ON-SITE LAB SERVICES
- ▶ PROFESSIONAL SERVICES

6954 Cornell Road | Suite 200  
Cincinnati, OH 45242  
513.489.8447  
513.489.9291 fax  
ClientRelations@AdvancedTesting.net

VISIT  
[www.AdvancedTesting.net](http://www.AdvancedTesting.net)



THE SCIENCE OF TESTING  
THE ART OF SERVING

**American Chemical Society – Cincinnati Section**

Xavier University  
Department of Chemistry  
3800 Victory Parkway  
Cincinnati, Ohio 45207

**Non-Profit Org.  
U.S. Postage  
Paid  
Cincinnati, Ohio  
Permit #517**