

# Newsletter for the Kalamazoo Local Section of the American Chemical Society

Nov 10, 2016

Vol. 6 – Issue 7



## 2016 KACS Executive Officers

### Chairperson

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Dr. Doug Williams, Kalsec, Inc.  
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## Chair's Comments

*By Brian Eklov*

I would like to extend a big thank you to all who participated in our Chemistry Day fun! You will find a full report and photos in the newsletter. An especially big thank-you to those who organized and participated in our forensics mystery. It was gratifying to see so many attendees working diligently to solve the mystery.

Now that Chemistry Day is behind us, we turn to our annual Sustainable Science Event at Bell's. Mark your calendar for Tuesday November 15th at 6 PM, and please consider bringing a poster - new or old - to showcase some local science. Our speaker this year will be Tom McTier from Zoetis, who will talk about the discovery and development of Simparica. Come see and hear some science, chat with fellow members, and don't forget to say hello!

Visit our website

[www.kalamazooacs.org](http://www.kalamazooacs.org)



Find us on  
**Facebook**

# Sustainable Science – Recycle a Poster

by Elke Schoffers

## “Discovery and Development of Simparica®”

A Novel Companion Animal Isoxazoline Parasiticide

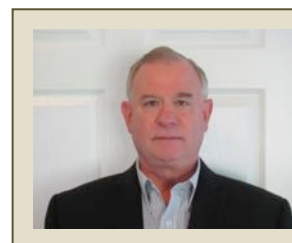
Keynote Speaker Tom L. McTier (Zoetis)

7 PM Tuesday, Nov 15<sup>th</sup>, 2016

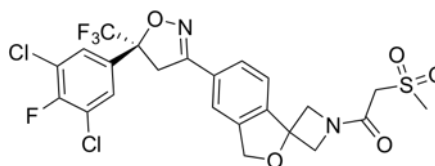
*(open to the public)*



**Bell's Eccentric Café**  
355 E. Kalamazoo Ave  
*Complimentary hors d'oeuvres\**



Dr. McTier is currently Therapeutic Area Head for Companion Animal Parasitology, and Research Director in Global Therapeutics Research, Veterinary Medicine Research and Development at Zoetis in Kalamazoo, MI. He will discuss the discovery and development of sarolaner (Simparica®) in Zoetis' labs here in Kalamazoo. This drug is a novel isoxazoline derivative and has unique structural features important for its potency and pharmacokinetic (PK) properties.



**5-7 pm**

**7-8 pm**

**8 pm**

**8-9 pm**

**Reception**

**Keynote Speaker**

**Prize Announcement**

**Sci-Mix Poster Session & Networking**

\*Please note that attendees may be eligible for complimentary drink tickets; two tickets will be given to current ACS members, poster presenter and Zoetis employees.

*Funding provided through a generous grant by*



# You are invited to a 75<sup>th</sup> birthday celebration

*by Lydia E. M. Hines*

Our Kalamazoo Section of the American Chemical Society (KACS) will be celebrating its 75th anniversary with a dinner event on the main floor of the Air Zoo (6151 Portage Road) on the evening of Thursday, February 23, 2017. We anticipate a presentation on the SR71, the Executive Director of the ACS will join our celebration, and we will have access to 4 of the Air Zoo's event experiences for those who would like to take advantage of them. Please plan to join many of your fellow KACS members for this special party!



## **REPORT: 30<sup>th</sup> Chemistry Day at the Kalamazoo Valley Museum**

*by Lydia E. M. Hines (KACS) and Annette Hoppenworth, (KVM)*

Though it was a beautiful Fall afternoon with many competing events in the Kalamazoo, MI, area, for four hours beginning at noon on October 8 at the Kalamazoo Valley Museum we saw a large number of enthusiastic visitors of all ages; they were treated to a smorgasbord of 23 hands-on activities which included 6 in an area that required a solution to a "mystery" heist. This was all the result of the hard work and enthusiasm shown by about 60 volunteers, approximately half of whom were high school and college/university students :) Their availability to work with our public and to show them how much they love chemistry was exemplary! The smiles on the children's faces, and their accompanying adults' expressed thanks, were the icing on the cake for the afternoon. The museum staff are still talking about it. The level of engagement and family interaction surpassed all past programs - it was noteworthy that parents were not on their phones but actually working and talking with their children. We heard several patrons ask what colleges to go to so that they could become a chemist. Most of our visitors were here for at least two hours during the 4-hour program. According to the latest count we reached somewhere around 700, with over 500 people doing the CSI mystery.

***In summary, the 30th anniversary event was a tremendous success because of our volunteers' willingness to share time, talent and enthusiasm, and we applaud them. Maybe YOU can plan to join us in 2017 when our theme will be "Geochemistry - Chemistry Rocks"***

*Enjoy some photos from the 2016 Chemistry Day, Courtesy of Elena Meadows:*





*Making "Instant Snow"*



*Making "Bath Bombs" (aka baking soda + acid)*



*"Dancing Milk"*



*Forensics: Fingerprinting*



*Forensics: Crime Tape*

# 2017 Great Lakes Regional Meeting

*by Graeme R. A. Wyllie, General Chair, ACS Great Lakes Regional*

Greetings from the 2017 GLRM

It's time to get an update for the 2017 GLRM. Feel free to share this with any interested colleagues and contact me if you have any questions ([wyllie@cord.edu](mailto:wyllie@cord.edu)). The meeting will be June 27-30<sup>th</sup> held at the Holiday Inn in Fargo, North Dakota, so save the date. Some specific updates in what will be an at least monthly email keeping people in the loop as to all things GLRM2017.

## **Symposia:**

Symposium Sessions need to be submitted by Dec 15<sup>th</sup> to Seth Rasmussen, contact information and the list of Symposia to date can be found at <http://www.glrm2017.com/symposia.html>. If you wish to propose a session especially for a specific topic, contact Seth at the link provided. While our overarching theme is Energy and Sustainability, we are still interested in anything that will bring together colleagues from the region to share their science. We are also still looking for people to host some of the general papers in the divisions or review papers. Contact Seth if interested in helping out.

## **Awards:**

We plan to award a number of regional awards at the meeting including the Stanley Israel award, the P3 Award, the High School Teacher Award and E. Ann Nalley Award for Service to the ACS Region. Details on all of these can be found at <http://www.glrm2017.com/awards.html>. We will be more actively soliciting for nomination packages soon but for now, check out the awards and if you have suitable nominations, it's a chance to begin preparing the packet.

We look forward to seeing you in Fargo in 2017.

## REPORT: Two School Outreach Programs

*by Lydia Hines*

### Lake Center Elementary

In mid-September of 2016 the chair of the PTO at Lake Center Elementary in Portage contacted the KACS leadership to ask for our help in their first-ever undertaking to present a successful evening of Science- Technology- Engineering- and Math-learning for their students and their families, in an I <3 STEM event at that school. We are very pleased to inform you that we sent them a \$300 cash donation, as well as supplied them with written materials for participants to take home and continue their science learning there (500 copies of Celebrating Chemistry focused on Forensic Science experiments, and 500 copies focused on how chemistry is integral to the Colors we observe around us). Additionally, students from the WMU ChemClub happily agreed to present hands-on activities which helped the children and their parents make slime, as well as change common pennies to "gold" pennies. Pfizer chemists rallied to our request as well and offered chemistry-related activities such as "acid/base indicators" and "Instant Snow (super-absorbent polymer)".

The school's PTO did a yeoman job of assembling together MANY southwest Michigan organizations which represent each of the aspects of STEM, and the crowd of more than 800 attendees during the evening was busily engaged at each of the 35 stations set up throughout both floors of the school. Each of the Lake Center Elementary students who came got a bag of at least 7 items to take home to continue their science learning; as one parent excitedly replied as she was pulled by her children into one of the areas, "the kids really wanted to come, and after all, this is real science learning". It was obvious that the PTO was most appreciative for our generous participation, as was the enthusiastic crowd on that evening of October 20.

### Arcadia Elementary

In late October a Chemistry Graduate Student, a member of the Iraqi Student Association at WMU, who had attended our Chemistry Day at the Museum, requested and received written materials to supplement his presentation on chemistry careers to about 60 Arcadia Elementary School Students. If YOU are willing to present at a school you may contact Lydia E. M. Hines ([lemhwgh@gmail.com](mailto:lemhwgh@gmail.com) or [269-375-7349](tel:269-375-7349)) for materials.



## **REPORT: Ice Cream Social Event at WMU**

*by Jaafar Hachem, president of CGSA*

On September 30, 2016, the Chemistry Graduate Student Association (CGSA) hosted an ice cream social for the undergraduate and graduate students, faculty, and staff of the Department of Chemistry at WMU; the aim of this event was to introduce the new students to the existing chemistry family. With more than 60 people in attendance, students were able to make new connections, get to know the student organization, as well as catch up with old friends. Thank you to KACS for helping to defray some of the cost of this successful event.

Do you have questions, comments, or would like to contribute to this newsletter?  
Send an email to Christine Pruis, Communication Chair at [ACSkzoo@gmail.com](mailto:ACSkzoo@gmail.com)