

American Chemical Society – Kalamazoo Local Section Newsletter

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2012 KACS Executive Officers

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Past-Chairperson

Dr. Doug Williams, Kalsec, Inc.
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Chairperson-Elect

Vacant
Consider getting involved

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john.b.miller@wmich.edu

Councilor

Dr. Lydia E. M. Hines, WMU – Chemistry
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Alternate Councilor

Mr. Michael Kiella
mike.kiella@charter.net

Comments from the Chair

Elke Schoffers

Dear Colleagues,

2012 ended with two popular KACS events. The social dance at the KIA attracted 179 participants while 86 people attended the poster session at Bell's Eccentric Café. I thank everybody who joined us, and especially the many volunteers who helped out. I invite you to read more about each event in this newsletter, and to enjoy the other activity highlights in this issue.

KACS held elections. Please join me in welcoming our new 2013 officers. John Engelmann will be the Chair-Elect and John Miller will continue his work as Treasurer. Our Past-Chair Doug Williams will assume responsibilities as Alternate Councilor in the New Year. I thank everybody for committing to working on the Executive Committee. You can learn more about their background in the enclosed report.

Don't hesitate to contact any of the committee members with new suggestions to better serve the local section membership that is currently 451 members strong. Lastly, I wish everybody an enjoyable winter break. Thank you for reading.



Holiday wishes from Elke Schoffers, Ph.D., Professor (WMU), Chair (KACS)

Best Wishes!

Happy New Year!

KACS website: <http://www.wmich.edu/acs/>

Do you have questions, comments, or would like to contribute to this newsletter? Send an email to: ACSkzoo@gmail.com

2012 KACS Elections

Elke Schoffers

KACS held elections for three positions on the Executive Committee. 7% of the membership confirmed all candidates. Below please find additional background information. If you have not met any of them yet I ask that you please take the opportunity to approach them at an upcoming event.

Dr. John Engelmann, Chair-Elect

Dr. John Engelmann received his B.S. from the University of Wisconsin - Madison and his Ph.D. (organic chemistry) and his J.D. from the University of Illinois - Urbana-Champaign. He practices law in the intellectual property area including U.S. and foreign patent procurement, trademarks, patent strategies, patent estates assessment, and transactional matters. He has been an ACS member for 45 years.



Dr. John Engelmann

Dr. John Miller, Treasurer

Dr. John Miller completed his undergraduate studies at Harvard University before receiving his Ph.D. at Princeton University. He is a physical chemist and has been a member of the KACS and the WMU Chemistry faculty for seventeen years. He has served as KACS treasurer since 2006. His research interests are currently focused on sustainable energy.



Dr. John Miller

Dr. Doug Williams, Alternate Councilor

Dr. Doug Williams obtained his B.A. from Augustana College (Rock Island, IL) and his Ph.D. (inorganic chemistry) from the University of Michigan. He has previously worked as an assistant professor at Kalamazoo College (analytical, general and organic chemistry) and senior research chemist at Dow Chemical - Central Research & Development (inorganic materials and catalysis). He is the Director of Analytical and Sensory Services at Kalsec, Inc. (Kalamazoo), where he has worked since 1997. He has been an ACS member for 33 years and is currently serving as Past-Chair of the Kalamazoo Section.



Dr. Doug Williams

Feel free to contact KACS at Elke.Schoffers@wmich.edu if you would like to announce specific events or share links.



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Kalamazoo Area Mass Spectrometry Discussion Group

Field trip report: Visiting Leco

Andre Venter

On November 15 seventeen members of the Kalamazoo Area Mass Spectrometry Discussion Group (KZooMS) visited the LECO Life Science and Chemical Analysis Centre in St Joseph, MI.

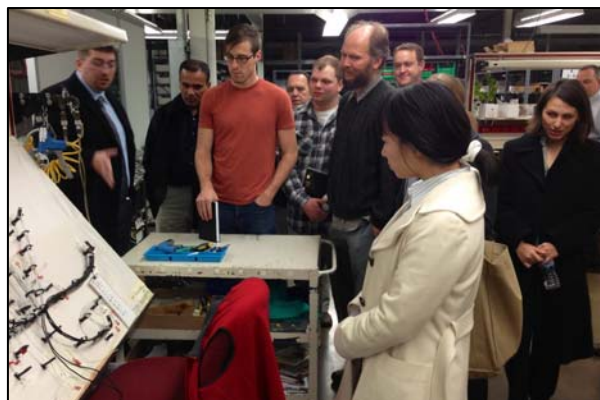
Dr Gavin Reid, a professor at Michigan State University, presented on *Chemical Derivatization and High Resolution Mass Spectrometry for Comprehensive Lipidomic Analysis of Disease*.

The attendees were also treated to a fascinating tour of the LECO mass spectrometry manufacturing facility. LECO is a privately owned, vertically integrated company which offered attendees a view of the entire mass spectrometry manufacturing process.

The event was the second in the Kalamazoo Area Mass Spectrometry Discussion Group's Industry Sponsored Lectures Series. For information about upcoming events contact andre.venter@wmich.edu or visit the KzooMS website at <http://goo.gl/bqj0j>



Dr. Gavin Reid, MSU, presenting on chemical derivation of lipids for MS analysis. (Photo by Andre Venter)



LECO scientists, Lucas Smith and Nick Hall, taking KZooMS members on tour of the LECO manufacturing facility. (Photos by Andre Venter)

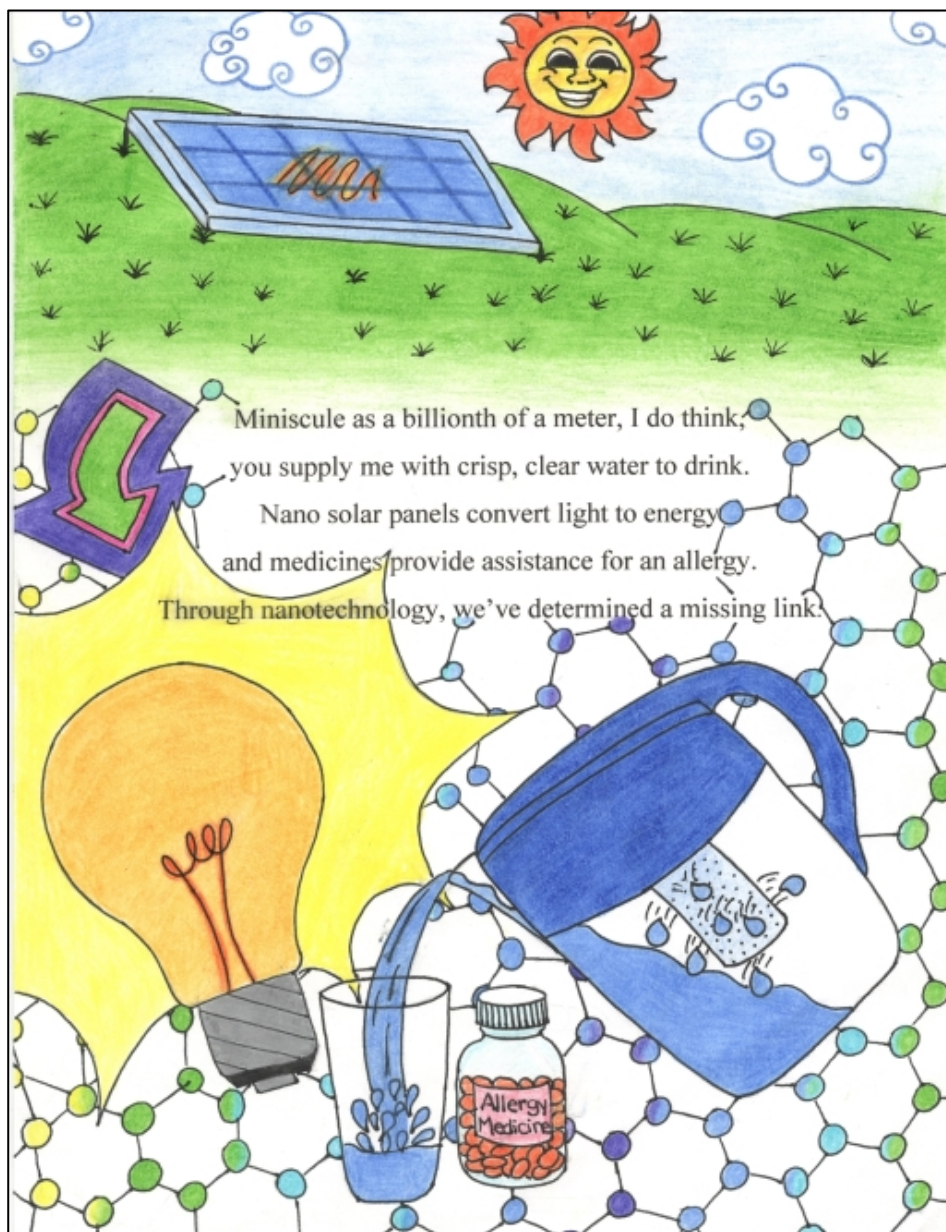
NCW Illustrated Poster Contest Winner

Lydia Hines

It is our great pleasure as a Section to recognize our very own **Cassie Kiewiet**, an 11th grade student from Heritage Christian Academy in Kalamazoo, who was **the first-place winner in the grades 9-12 category of the National Illustrated Poem contest** on our 2012 National Chemistry Week theme [open to K-12 students in all 189 Local Sections of the Society during through the month of October].

If you recall, the 2012 theme was "Nanotechnology - the smallest BIG idea in Science". Her entry appears below. Cassie will receive a \$300 check, a certificate, and an award letter from the American Chemical Society. The Kalamazoo Section awarded Cassie a \$15 gift card to Pizza Hut when her entry was selected for submission to the National evaluation.

Cassie, congratulations!



First-place winning poster, grades 9-12 category of the National Chemistry Week Illustrated Poem Contest, by Cassie Kiewiet, 11th grade, Heritage Christian Academy.

Culture & Chemistry: Elements of Dance

Report by Elke Schoffers with Photos by Denis Billen (DB) and Melissa Basileo (MB)

KACS launched its new “Chemistry & Culture” initiative with a big success by attracting 179 participants to the Kalamazoo Institute of Arts on November 9, 2012, for the first event titled “Elements of Dance”. The lively evening began with open dances at 6:30 PM followed by a brief program and more open dances until 9:45 PM. The event was overseen by Joseph Reish (WMU Dean of Libraries) as the Master of Ceremonies. Chemist and KACS member Denis Billen (Pfizer) provided music in Ballroom, Latin and Swing. He played some disco songs with special light and smoke effects. The lineup included showcase performances by dancing chemists James Guzinski (ret. Kalsec) and Elke Schoffers (WMU) in the Fox Trot and Argentine Tango with their respective partners. The program and open dances took place in the KIA auditorium while the lobby was set up with display and handout tables (including from student clubs) to encourage informal interactions over wine and snacks. Two large periodic tables were made available to help attendees win the “Chemistry of Dance” competition, which required the matching of elemental symbols to dance names. Attendees also won prizes by filling out a dance card. Among others, prizes included Au-, K-, and Zn-elemental pins, Meg-A-Moles, and custom-made lime green T-shirts with blue print of the winning design submitted by Evan Dalke, a WMU Graphic & Printing Science major. The competition was announced several weeks prior to the event. The audience was invited to join the Cupid Shuffle, which was started by chemistry students. Participation was also encouraged for the Zumba performance by the “Xtreme Z Team” and for the Salsa dance lesson given by Guzinski and Schoffers.



Joe Reish was the Master of Ceremonies (DB).



Open dance at the Kalamazoo Institute of Arts auditorium (DB).

(Continued on Page 6)



Showcases performers, from left: Guzinski and dance partner Jenny Grunberg, a Kalamazoo dentist, and Schoffers with Art Downey, a professional dance instructor (DB).



Doug Williams (Kalsec) dancing with his wife, Karen (DB).



Guzinski and Grunberg during open dancing (DB).



From left: Hilary Leaf, Heather Christy, Sara Burnhans, and Melissa Leach from the Xtreme Z Team performed a Zumba dance (DB).

Culture & Chemistry: Elements of Dance

(Continued from Page 5)

This event was made possible through an “ACS Innovative Project Grant” (submitted by KACS Chair Schoffers) and through generous donations by AAAS, Kalsec, Aldrich-Chemistry, VWR, and the WMU Business Technology Research Park. Special thanks also go to co-sponsors Kalamazoo Institute of Arts, the Southwest Michigan Ballroom Dance (SWMBD) and the Kalamazoo chapter of USA Dance.



Downey and Schoffers conclude the Argentine tango (MB).



WMU chemistry majors Sarah Ellison (left) and Ashley Mead (DB).



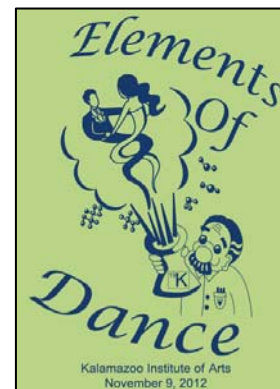
WMU chemist Patricia Holten (Environmental Safety and Emergency Management) with David Pease (MB).



WMU chemistry instructors Guzinski and Schoffers teach new steps during Salsa lesson (DB).



Attendees practice Salsa dancing at the KIA (DB).



Evan Dalke's T-shirt design (front), note “K” for KACS.

Announcement

Save the Date: ACS Great Lakes Regional Meeting GLRM2013

JUNE 5 – 8, 2013
(Wednesday - Saturday)

**Plan now to join us in La Crosse, Wisconsin for the
2013 ACS Great Lakes Regional Meeting (40th)-- GLRM 2013**

Abstract Submittal will open in mid-December

Registration will open in mid-January

<http://qlrm-lax.sites.acs.org/>

Jessica Brozek, General Chair -- Jessica.Brozek@Hydrite.com

Stacey Glidden, Program Chair -- Stacy.Glidden@mtservices.com

Sci-Mix Poster Session

Report and Photos by Elke Schoffers

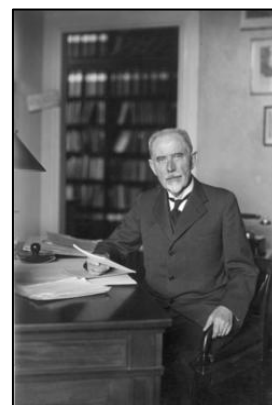
With the help of a generous grant from Pfizer Animal Health KACS hosted its second Sci-Mix Poster Session on Dec. 4, 2012, at Bell's Eccentric Café in downtown Kalamazoo. There were over 30 posters displayed in the "music tavern", including contributions from Pfizer, Kalexsyn, Kalsec, K-College and WMU. Approximately 86 attendees had plenty of time to mingle in an informal setting while enjoying hors d'oeuvres and an open bar. John Mallett, Director of Operations at Bell's, gave the keynote address at 6 PM titled "Scientific Influences on the Ancient Art of Brewing (and Drinking) Beer". He shared his brewing experience interwoven with specific historical contributions. Those included the work by statistician William Sealy Gosset (Guinness brewery), the sugar chemist Arthur Robert Ling and those by Danish chemist Søren Peder Lauritz Sørensen (Carlsberg Laboratory) who played a seminal role for first introducing the concept of pH.



Left to right: organizers John Wendt (Pfizer) and Elke Schoffers (WMU) with speaker John Mallett (Bell's brewery).



John Miller (WMU, right) with PAH's Paul Misiak (left) and Denis Billen who was also the evenings DJ.



S. P. L. Sorensen first introduced the pH concept.



400-Barrel fermentation vessels.



Some 86 people turned out for informal discussions over beer.



Left to right: K-College students Joshua Abbott, Mara Livezey and Amanda Bolles.



Larry Bell and his family. He founded his home-brewery sale shop in 1983.



Over 30 posters were on display.



WMU Chemclub members Kevin Heinze and Maren Zanotti.

Sudoku Challenge... is back!

Solve the puzzle, win a prize!

Here's how to win a prize:

- 1) Solve this Sudoku puzzle on your own.
(please, ***do not use*** an online Sudoku solver)
- 2) Email the solved puzzle to ACSkzoo@gmail.com
- 3) Submission deadline is **January 15, 2013**.
- 4) Prizes will be awarded to the first 3 correct entries (entries must be from Kalamazoo Local Section ACS members who have not won a prize in the most recent newsletter).
- 5) Winners and solution will be announced in the next newsletter.

Have fun!

<u>First Name:</u>	<u>Last Name:</u>
<u>Email address:</u>	

Difficulty: **MEDIUM**

9			3		4	6		
2			7			5		
		6	1		2		4	
6		7		9				
	8			3			5	
				2		3		6
	2		8		6	1		
		5			3			8
		4	9		5			2

New to Sudoku? Click on the [link](#) to learn the few basic rules of the game.