

American Chemical Society – Kalamazoo Local Section Newsletter

January 25, 2013

Vol. 3 - Issue 1



2013 KACS Executive Officers

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vacant

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Councilor

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Alternate Councilor

Dr. Doug Williams, Kalsec, Inc.
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Comments from the Chair

Elke Schoffers

Dear Colleagues,

I look forward to continuing my work as KACS Chair in 2013, which entails interacting with many familiar and some new faces. On the left-hand side please find the updated roster of the Executive Committee. I also welcome Maren Zanotti as the CCED (Chemists Celebrate Earth Day) Coordinator for 2013.



Elke Schoffers, Ph.D.
KACS Chair

What do KACS, Oprah Winfrey and Stephen Colbert have in common? The answer: recent discussions about Performance-Enhancing Drugs (PED) in sports.

Once more, Lance Armstrong dominates the headlines after confessing to drug use in Oprah's interview, and in the face of having to testify under oath about this sensitive issue in the near future. For many years, Armstrong fiercely responded to allegations of cheating. The "master of the two-wheeler" ("*The Colbert Report*," *Comedy Central*, 1/15) was already stripped of his seven Tour de France titles last year. While this latest development may be news and shocking to many it should not have surprised those who attended the presentation by Tom Werner, our ACS Tour Speaker in October 2012, when he discussed "Doping in Sports: How chemists catch the cheaters (sometimes)". There was strong evidence for EPO use, which controls red blood cell production. Note that blood samples are now kept for many years, as far back as 2008. This allows for re-testing, especially when analytical techniques have caught up with the cheating method.

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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

Upcoming Events at a Glance (Jan – Feb 2013)

KACS

- **Jan. 29**—Social event: “Boost your Career” with wine and cheese reception, 5-7 PM, 1720 Chem. Bldg., WMU
- **Feb. 20**—Science Café: "Basics of Patent Law" by **Dr. John Engelmann**, 6-8 PM, 226 Dow Science Bldg., Kalamazoo College

LHC Lyceum Lecture Series (WMU)

noon to 1 p.m. Wednesdays

<http://www.wmich.edu/news/2012/12/3798>

- **Jan. 30**—"The Dance of the 3 E's: Energy, Environmental Stewardship (CO₂ Emissions Mitigation) and Economic Imperatives," **Dr. David Barnes**, professor of geosciences
- **Feb. 6**—"Climate Change and Emerging Infectious Diseases," **Dr. Kathryn Docherty**, assistant professor of biological sciences
- **Feb. 13**—"Climate Change and Energy for the Transportation Sector," **Dr. Steve Bertman**, professor of chemistry
- **Feb. 20**—"Economics of Climate Change," **Drs. Bruce Ferrin**, professor of marketing, and **Paul Clements**, professor of political science

Comments from the Chair

(Continued from page 1)

If you missed Werner's talk or any of the other KACS activities I encourage you to review the event highlights in this issue and review previous newsletters and online reports.

Please note that the Lee Honors College at WMU has launched a weekly lecture series on climate change during the Wednesday lunch hour (see left).

KACS will kick off the year with “Boost your Career” on January 29, on WMU's campus (p. 3). This is also a social event with a wine and cheese reception. Several special guests from industry have been invited. Newcomers and the public are invited. Please check in regularly with us on Facebook and at our web site at <http://www.wmich.edu/acs/>, where you can find many event photos.

Wishing you a healthy and successful New Year!

Volunteering Opportunities

Doug Williams

The KACS Executive Committee is looking for members who would like more involvement with our local section.

You have ideas – we have opportunities.

Let's talk! Please let any of our officers know if you would like to be considered for a service or leadership role in KACS. Some specific opportunities are listed on our [web site](#).

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



Find us on
Facebook

Special Event



The KALAMAZOO Section presents

“B   s t your Career!”

Motivate Your Molecules
Lower Your Activation Energy
Increase Your Efficiency
Be A Catalyst

Tuesday, January 29, 2013

5:00-7:00 pm

1720 Chemistry Building & Atrium
Western Michigan University

Mix & Mingle, and Celebrate Kalamazoo Chemistry

5:00 pm – Welcome Remarks (Elke Schoffers, WMU)

5:15 pm – Achieving leadership in your position (Sherine Obare, WMU)

5:30 pm – Career options in the pharmaceutical industry (Chris Nagra, Pfizer)

5:45 pm – Wine & Cheese Mixer

All are welcome to this first KACS social event of the year to connect with local chemists from industry and academia. Especially undergraduate and graduate students are invited to join the discussion about career choices.

This event is open to ACS members, non-members, and the general public. Contact Elke.Schoffers@wmich.edu if you have any questions. Follow events of the **Kalamazoo American Chemical Society (KACS) Local Section** at <https://www.wmich.edu/acs>.

Special thanks
go to WMU



Welcome a New CCED Coordinator

Elke Schoffers

This year marks the **10th anniversary** of ACS's formal involvement with Earth Day (April 22) through **CCED** [**C**hemists **C**elebrate **E**arth **D**ay], a day dedicated to highlighting the role Chemists can play in preserving the natural resources entrusted to us. Under the leadership of our long-time councilor Lydia Hines as coordinator over the last 9 years, one of our visible activities was setting up a display table in conjunction with the Kalamazoo Nature Center's Earth Day celebration. KACS provided hands-on activities and educational resources to the public who walked through KNC's Interpretive Center. It is our pleasure to announce that **Maren Zanotti** has **volunteered to act as CCED Coordinator** for our Section in 2013. Maren is well known to KACS members because as an undergraduate chemistry student at Western Michigan University she has been actively involved with the Chem Club on campus.



Maren Zanotti
2013 CCED Coordinator

Each year, ACS highlights one of four general topics (water, air, plants/soil or recycling) and chooses a specific "theme name" under the topic to focus the CCED celebration. This year's theme is "**Our Earth: Handle with Care**".

As March and April approach and you start hearing from Maren about participating, please be prepared to say "yes". Also, consider contacting her directly at maren.c.zanotti@wmich.edu to suggest Earth Day activities.

If YOU are interested in volunteering please visit our website and click on "Operations Manual" where full descriptions of responsibilities are available.

Charitable Work with Aluminum

Lydia Hines

The WMU Chem Club (undergraduate chemistry students) participates with the Ronald McDonald Houses Charities in collecting **pop-can and other metal-can tabs**, which they turn in to a central location for financial contributions to the charity (search under "Ronald McDonald House Charities", RMHC, for further information). RMHC sees this as an opportunity to teach about the importance of recycling while raising funds. Collecting only the tabs instead of entire aluminum cans is more hygienic. Moreover, the collection and storage of tabs is easier. The Upper Midwest Chapter of RMHC has raised ca. \$30,000 annually to make a difference.

If you or your family would like to encourage such philanthropic activity **you may bring collected tabs to any KACS event or function and these will be given to the WMU Chem Club.**

Chem-Able Matching Grant Program

John Miller

Are you...

- *an unemployed or underemployed chemical professional?*
- *trying to enter the chemistry workforce?*

The *Chem-Able* matching grant program sponsored by the Kalamazoo Section of the American Chemical Society might help. The purpose of a *Chem-Able* grant is to assist chemical professionals and students in obtaining training or experience to improve chances of employment or re-employment.

Look for program details at <http://www.wmich.edu/acs/Jobs/Chem-Able.pdf>

Donate to support the Chem-Able Matching Grant: KACSGrants@gmail.com

Sudoku Challenge (Solution to December 2012 Puzzle)

Congratulations to Dan Walker for solving our last Sudoku puzzle. Dan will receive a \$5 gift certificate to [The Big Burrito](#). Below is the solution. A brand new Sudoku Challenge awaits you on page 7...

Difficulty: **MEDIUM**

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

2012 in Review

Report by Elke Schoffers

- * Feb 7 - Boost your Career: Meet and Greet & Cheese and Wine Mixer with Panel Discussion (WMU)
- * Mar 21 – Science Café – Hondatron: An Amateur Electric Car Vehicle Conversion by Prof. Paul Pancella (Martini's Pizza)
- * Feb 29 – Mass Spectrometry Users Group meeting (Bell's Eccentric Café)
- * Apr 21 – Earth Day – ACS information table and Local Section K-12 Poem Competition (Kalamazoo Nature Center)
- * May 1 – Science Symposium for High School Students (WMU)
- * May 21 – KACS Awards Reception (WMU)
- * June 8 – Local Section BBQ in collaboration with the WMU Graduate Student Association, CGSA (Oshtemo Township Park)
- * June 22 – Allegan Meet N'Greet: Mingle, Puzzle and Celebrate Chemistry, co-sponsored by Perrigo Company (Daily's Kitchen)
- * Aug 9 – Project SEED student presentations (WMU)
- * Oct 13 – National Chemistry Week / Chemistry Day at Kalamazoo Valley Museum, Nanotechnology
- * Oct 23 – Mole Day! ACS Tour Speaker Prof. Tom Werner: How chemists catch the cheaters (sometimes) (WMU)
- * Nov 9 – Chemistry & Culture: Elements of Dance, co-sponsored by the ACS Innovative Project Grant, AAAS, Kalsec Inc., Aldrich Chemistry, VWR, WMU BTR, and KIA (Kalamazoo Institute of Arts)
- * Nov 15 – Mass Spectrometry Users Group meeting (LECO visit in St. Joseph)
- * Dec 4 – Sustainable Science-Recycle a Poster with presentation by John Mallett: Scientific Influences on the Ancient Art of Brewing (and Drinking) Beer, co-sponsored by Pfizer Animal Health (Bell's Eccentric Café)

Thank you to the ACS Local Section members for their strong participation and showings in all of these events!

And special thanks to all the event donors!

Sudoku Challenge

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 **February 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**

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

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