

The Chemical Record

Volume 56 – Number 3 – April, 2014

Columbus Section of the American Chemical Society, Inc.

Wenbin Qi, Section Chair – Qiwenbin@gmail.com

George Greene, Editor – george.greene@abbott.com

Section Website: columbus.sites.acs.org

IN THIS ISSUE...

ABOUT THE COLUMBUS SECTION	1
MEETING NOTICE	2
PROGRAM DETAILS	2
ABOUT THE SPEAKER	3
SECTION MEMBER RECEIVES ACS AWARD	4
STATE SCIENCE DAY 2014: VOLUNTEERS NEEDED!	4
THE BIOPRODUCTS WORLD SHOWCASE AND CONFERENCE TO BE HELD IN COLUMBUS	5
UPCOMING ACS WEBINARS	6
VOLUNTEER OPPORTUNITY: HELP TRANSLATE OUTREACH MATERIALS INTO OTHER LANGUAGES	7
UPCOMING ACS SHORT COURSES	8
COLUMBUS SECTION ACS CALENDAR OF EVENTS	9
ABOUT <i>THE CHEMICAL RECORD</i>	9
CHANGE OF ADDRESS	9
ADVERTISING RATES	9
MOLECULE OF THE MONTH: TRICLOCARBAN	10
BE A CHEMISTRY AMBASSADOR USING ACS TOOLKITS	10
UPCOMING MEETINGS	10

ABOUT THE COLUMBUS SECTION

The Columbus Section of the American Chemical Society comprises approximately 1,500 members who live and work in the following central Ohio counties: Delaware, Fairfield, Fayette, Franklin, Hocking, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Ross, and Union.



The Mission of the American Chemical Society (ACS) is to encourage in the broadest and most liberal manner the advancement of the chemical enterprise and its practitioners. Toward that end, the ACS advances scholarly knowledge, provides professional services and support, communicates with varied audiences, and is actively involved in the science, education, and public policy arenas.

The Columbus Section of the ACS adheres to this mission and the strategic thrusts of the national organization and leadership by providing programs and networking opportunities for Chemistry professionals in Central Ohio.

We invite ACS members and scientists in the community to lend their expertise and talents to our activities in science education, government and legislative policy issues, safety in our industrial plants and in our communities, and care of our land.

MEETING NOTICE



Columbus Section of the American Chemical Society Meeting #871

Periodic Fun

Tuesday, April 15, 2014

Mozart's Bakery and Piano Cafe
4784 N High Street
Columbus, OH 43214

Speaker: Dr. Al Hazari
The University of Tennessee

Abstract: We will be focusing on a fun and educational display and discussion of at least 40 different periodic tables of the chemical elements. We will start with the old (pre-Mendeleev) tables, continue through the different modern ones, and then cover the most unusual ones

PROGRAM DETAILS

5:30 – 6:30 PM	Executive Committee meeting (All Section members are welcome to attend)
6:30 – 7:00 PM	Social Hour
7:00 – 7:45 PM	Dinner <ul style="list-style-type: none"> • Soup: Cream of Mushroom • Tossed Salad • Entrée (choose one): <ol style="list-style-type: none"> 1. Beef Stroganoff: Tender beef, portabella mushrooms, and onions slowly braised in a red wine demi-glace, served with buttered spatzle 2. Salmon Strudel: Atlantic salmon baked with brown rice and broccoli in a flaky strudel pastry, drizzled with a creamy dill parmesan sauce and served with a tossed salad 3. Garden Vegetable Spatzle (vegetarian): seasonal market vegetables tossed with our house made spatzle in a creamy Ohio swiss sauce • Plated dessert



7:45 – 8:45 PM	Presentation: <i>Periodic Fun</i>
Cost	\$25 per person members and non-members, \$5 for retired and unemployed members, \$5 per student. New members are free! Payment will be collected at the door; cash and checks accepted. There is no cost to attend the program only. <i>Remember that this is a dinner order and must be paid. Please help control costs by honoring your order.</i>
RSVP	Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail with the same information to The Columbus Section at the following e-mail address: acscols@wowway.com or use the Meeting Reservation Form on the Section's website.
*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none"> • First and last name: Please spell last name. • Membership category: member, non-member, retired, emeritus, unemployed, and student. • Employer • Please indicate your entrée choice. • Your phone number, in case we need to contact you.
Reservation Deadline	Thursday, April 8, 2014 by noon
Program Contact	Wenbin Qi, 614-260-4179, Qiwenbin@gmail.com
Directions & Parking	Link to google map Link to MapQuest Parking is free

ABOUT THE SPEAKER



Dr. Al Hazari: A native of Lebanon, Al received a B.S. degree in Chemistry from the American University in Cairo in 1968. He also holds an M.S. degree in Chemistry (1972) from Youngstown State University in Ohio and a doctorate in Science Education (1997) from the University of Tennessee, Knoxville. Al has taught science and chemistry for several years at the school and the college levels here and overseas. Currently, he is the Director of the Undergraduate Chemistry Labs and a Lecturer in Chemistry at the University of Tennessee, Knoxville. In addition, he regularly teaches science education courses in the College of Education. He has received several grants from government agencies, industry, and various organizations to improve undergraduate chemistry lab instruction and also to support K-16 hands-on science and chemistry outreach activities. He was the 2000 recipient of the ACS Helen M. Free Award for Public Outreach. Al is a very active ACS member. He is the immediate past-chair of the ACS Committee on Chemical Safety, an ACS tour speaker, and the councilor for the ACS East Tennessee Section. Al is an affiliate of the Institute for Chemical Education and a member of the National and the Tennessee Science Teachers Associations. He has made several presentations and given talks to local, regional, national and international chemical and science education conferences.

SECTION MEMBER RECEIVES ACS AWARD
FROM THE SECTION'S WEBSITE

Dr. Susan Olesik, The Dow Professor of chemistry at The Ohio State University, is the recipient of the **2014 ACS Award in Chromatography**. She is the first woman to receive this award and is being honored for contributing throughout the field of chromatography. See the [complete article](#) in the February 17, 2014 issue of *C&E News*.

The award is sponsored by Sigma-Aldrich/Supelco. Please join us in congratulating Dr. Olesik on this well-deserved honor.



STATE SCIENCE DAY 2014: VOLUNTEERS NEEDED!
BY WENBIN QI



On **Saturday, May 10th**, State Science Day 2014 will be hosted by **The Ohio State University at the French Field House** in Columbus – just up the road from the “Shoe”. Since 1998, as part of its commitment to chemical education at all levels, the Columbus Section has sponsored awards for outstanding projects in the chemical sciences. The objective is to acknowledge and reward those students who have not only understood the scientific method, but also have exhibited creative thought.

Clearly, these students are some of the best that Ohio has to offer and already are showing an interest in chemistry. What better way to encourage these youngsters and expose them to the human face of the chemical enterprise?

WE NEED YOUR HELP!!!

As you can imagine, the number of projects is large (~140) and we need around 30 judges to evaluate them and decide on the winners. A general knowledge of some branch of chemistry is desirable, but being a chemist or ACS member is not required. But even limited knowledge in one area can be supplemented and effectively utilized through interactions with judges having complementary skills.

Judging is scheduled to run from 9:00 a.m. to noon. Refreshments and orientation will occur from 7:00 to 8:30 a.m., and you really need not be there much before 8:00 a.m. in order to get a clear idea of what will be happening that morning. You will be well-informed in advance. All of the judges in the past few years have thoroughly enjoyed the experience.

Please consider taking one morning out of the entire year to offer encouragement and advice to someone who could be taking the first steps in an illustrious career.

If you would enjoy the opportunity to meet the next generation of chemical scientists, e-mail me, Wenbin Qi, at qiwenbin@gmail.com.

Refer to The Ohio Academy of Science Web <http://ohiosci.org/state-science-day-2014/> for more details.

THE BIOPRODUCTS WORLD SHOWCASE AND CONFERENCE TO BE HELD IN COLUMBUS
From the Section's Website



The Bioproducts World Showcase and Conference — a first-of-its-kind event to accelerate the manufacturing, distribution and use of bio-based products — will be held Oct. 5-8, 2014 at the Greater Columbus Convention Center and Hilton Hotel in downtown Columbus, Ohio.

Presented by OBIC Bioproducts Innovation Center at The Ohio State University, the event will bring together leaders from across the emerging bio-based products industry to support consumer and corporate demand for these products, facilitating business relationships and contracts. Visit the conference website [for more information](#).

Additional Information may be found at

Showcase - <http://bioproductsworld.org/>

Video - http://www.youtube.com/watch?feature=player_embedded&v=5vik2bUH8ol

College of Food, Agricultural, and Environmental Sciences News Release - <http://cfaes.osu.edu/news/articles/columbus-will-host-bioproducts-world-showcase-and-conference-oct-5-8>

OBIC Bioproducts Information Center - <http://bioproducts.osu.edu/>

Contact: Dennis Hall, OBIC Director - Phone: (614) 292-4188 - Email: hall.16@osu.edu



UPCOMING ACS WEBINARS
From the ACS Website

ACS WEBINARS®

Apr 3 @ 2PM ET

**Detecting Human Exposure to
Environmental Toxins**



Featuring Elizabeth Hamelin of the Centers for Disease Control & Prevention
and Lucas Zarwell, Chief Toxicologist, District of Columbia

ACS WEBINARS®

Apr 10 @ 2PM ET

**The Chemistry
of Cocktails:**

**Bruising and
Louching and
Fire Oh My!**

Featuring
Darcy Gentleman, Ph.D.



ACS WEBINARS®

Apr 17 @ 2PM ET

Liquid Chemistry:
Red and White Beer
for St. George's Day

Featuring
Dr. Charlie Bamforth,
Distinguished Professor of
Malting & Brewing Sciences,
UC Davis



London International Youth Science Forum (LIYSF)

Friday, April 25, 2014; 3:00 PM EDT

The [London International Youth Science Forum \(LIYSF\)](#) is a two-week residential event for the world's leading young scientists ages 17-21, from more than 60 participating countries. The Forum's President, Dr. Richard O'Kennedy, a biochemist, joins us for this session to talk about the upcoming forum taking place from July 23 to August 6, 2014, and the different ways young chemists can apply to participate. [Register online now.](#)

Why Attend ACS Webinars®?

FAST – Get right to the heart of addressing issues important to you in 60-minutes.

CONVENIENT – Listen from the comfort and convenience of your home or desk.

EASY – Online access is all you need. Register, then click the link in your email confirmation, and you're in!

ACTIONABLE – Learn from luminaries and subject matter experts on strategies and tactics you can use immediately after the webinar.

LEARN – Share with friends and engage group discussions on key issues in a fresh new manner.

AFFORDABLE – A free weekly online event provided to by the American Chemical Society.

All recordings of ACS Webinars® are available as a benefit to current ACS members. Live weekly ACS Webinars® continue to be available to the general public.

VOLUNTEER OPPORTUNITY: HELP TRANSLATE OUTREACH MATERIALS INTO OTHER LANGUAGES

From the ACS Website

Translate ACS outreach materials into your native language so that the activities can be made available on the ACS website in a variety of languages. Email outreach@acs.org to volunteer.



UPCOMING ACS SHORT COURSES
From the ACS Website

Editor's Note: I was unable to maintain the hyperlinks when I imported this into *The Chemical Record*. For more details about the short courses described below, visit www.proed.acs.org/.



Find the training you need at
proed.acs.org

ACS SHORT COURSES

Philadelphia, PA | April 28 - May 1, 2014

ACS Short Courses give you the tools to stay on top of new technology, growing trends in the science industry and basic skills you need to advance in your career all while interacting in a face-to-face environment with other professionals.

The ACS will be offering 9 Short Courses in Philadelphia, PA, April 28 - May 1, 2014 at Temple University - City Center.

Courses Available:

Dispersions in Liquids: Suspensions, Emulsions and Foams

April 28 - 29, 2014

How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting

April 28 - 29, 2014

Polymeric Coatings

April 28 - 29, 2014

Laboratory Safety and Health

April 30 - May 1, 2014

We're on Twitter! Follow us: @ACS_ProEd

Join our LinkedIn Group [here](#).



CAN'T MAKE IT TO PHILADELPHIA?

Cincinnati, OH

June 23 - 26, 2014

Courses will be held conveniently at the Double Tree by Hilton Hotel at the Cincinnati Airport. Visit our [website](#) for more information.

Visit our [website](#) for more information on other products we offer.



COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2014	April	8	Tue		Deadline for reservations for April Section meeting
2014	April	15	Tue	Mozart's Bakery and Piano Café	April Section meeting – Dr. Al Hazari (University of Tennessee, Knoxville.) See details elsewhere in this issue of <i>The Chemical Record</i>
2014	April	22	Tue	Here, There, Everywhere	Chemists Celebrate Earth Day. Stay tuned to <i>The Chemical Record</i> and the Section website for details.
2014	May	8	Thu		Dr. Fus (The Ohio State University)
2014	May	10	Sat	OSU French Field House	State Science Day. Volunteers are needed to help judge the projects; see details elsewhere in this issue of <i>The Chemical Record</i> .
2014	June	TBA	TBA	TBA	Columbus Section Meeting – Columbus Section Award
2014	July	TBA	TBA	TBA	Baseball game
2014	August	10 – 14	Sun – Thu	San Francisco	248 th ACS National Meeting and Exposition
2014	October	1 – 4	Wed – Sat	Pittsburgh	45 th ACS Central Regional Meeting
2014	October	15	Wed	Chemical Abstracts Service	Monthly Section meeting – Dr. Diane Grob Schmidt (ACS President-Elect)
2014	October	19 – 25	Sun – Sat	Here, There, Everywhere	National Chemistry Week 2014 Theme: <i>The Sweet Side of Chemistry – Candy</i> , Showcasing the chemistry involved in candy and confections Stay tuned to <i>The Chemical Record</i> and the Section website for details.
2014	October	25	Sat	Main Branch, Columbus Metropolitan Library	NCW interactive chemistry demonstrations for children of all ages. Volunteers are needed; contact Professor John Blaha (Jblaha@cscs.edu) for more information.
2014	November	TBA	TBA	TBA	Joint meeting with the Central Ohio Section of the American Institute of Chemical Engineers

ABOUT THE CHEMICAL RECORD

The Chemical Record, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, February-May and September-December (eight issues per year.) Opinions expressed by editors or contributors do not necessarily represent the official position of the Columbus Section or of the editorial staff. We welcome your contributions to your *Chemical Record*. Please submit them via postal or electronic mail to **George Greene**, PO Box 360941, Columbus, Ohio 43236-0941, george.greene@abbott.com. Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. *Thank you very much!*

CHANGE OF ADDRESS

Changes in postal or e-mail address should be reported to the Membership Chair, **David Speth**, 614-688-5162, drspeth@sbcglobal.net. David will forward the change-of-address information to ACS Headquarters.

ADVERTISING RATES

Advertising rates for *The Chemical Record* are as follows (per single insertion): Full Page, \$250; Half page, \$150; Quarter Page, \$120; Eighth Page: \$60; Business Card, \$50. Discounts: 5% for four insertions or 10% for eight insertions during a calendar year. There is no charge for "help wanted" ads.

MOLECULE OF THE MONTH: TRICLOCARBAN
FROM THE ACS WEBSITE



Triclocarban, along with its cousin [triclosan](#), is an antibacterial and antifungal component of personal care products such as soaps, toothpaste, and deodorants. It has been in use since the 1960s, but it has recently come under fire from the US Food and Drug Administration.

[A rule proposed by the FDA](#) in December 2013 would require manufacturers of antibacterial soaps and body washes to demonstrate that their products are safe for everyday use and are more effective than products without antibacterials. Proponents of the rule argue that users' risk of bacterial infection is low; and therefore, the antibacterial additives are not needed. Producers rebut this argument by citing dozens of studies that show that antibacterial soaps significantly reduce bacteria levels on skin compared with ordinary soaps.

More recently, a [bill in the New York State assembly](#) would, if passed, ban the sale of antibacterial personal care products in that state.



[More about this molecule](#) from CAS, the most authoritative and comprehensive source for chemical information.

BE A CHEMISTRY AMBASSADOR USING ACS TOOLKITS
FROM THE ACS WEBSITE

ACS offers toolkits designed to help members communicate about important challenges nationally and globally, each of which involves chemistry as a critical component. These toolkits offer resources, talking points, facts and expert testimonials to help you communicate more effectively about chemistry's vital role in the following subjects: [Sustainable Water](#), [Sustainable Energy](#), [Climate Science](#) and [Federal Science Funding](#).

UPCOMING MEETINGS
FROM THE ACS WEBSITE

[248th ACS National Meeting & Exposition](#)

August 10-14, 2014
San Francisco, California

Program Theme: *Chemistry and Global Stewardship*

[249th ACS National Meeting & Exposition](#)

March 22-26, 2015
Denver, Colorado

Program Theme: *Chemistry of Natural Resources*

[250th ACS National Meeting & Exposition](#)

August 16-20, 2015

Boston, Massachusetts

Program Theme: *Innovation from Discovery to Application*