

The Chemical Record

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Columbus Section of the American Chemical Society, Inc.

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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.



IN MEMORIAM

Dr. Walter Earl Ditmars Jr. died on July 21, 2013 in Dublin, Ohio. Walt was born in 1923 in Boston, son of Major Walter E. Ditmars and Jennie Ann Johnson of Riverdale-on-Hudson, New York. A 13th generation American, one of Walt's immigrant grandfathers received a land grant from Peter Stuyvesant in 1647 at Dutch Kills, Astoria, Queens, NYC. Four of his ancestral grandfathers served as officers and riflemen in General Washington's Continental Army. In 1926, Major Ditmars founded Carbice Corporation of America, first manufacturer of dry ice with August Hecksher and Irene du Pont. He managed the Wall Street brokerage Fenner & Beane, investing with William C. Durant, before assuming presidency of Gray Manufacturing Company, manufacturer of Paystation telephones and Audograph recording machines. Jennie Johnson was granddaughter of Isaac Gale Johnson, founder in 1850 of I. G. Johnson Iron Works and Steel Mills in Spuyten Duyvil, the Bronx, where he manufactured railroad and automobile components, and cannons and shot. At the end of the Civil War, the Navy named its first experimental torpedo ship the U.S.S. Spuyten Duyvil in recognition of Isaac's contribution to innovation of defensive armor and artillery technology. In April 1865 the U.S.S. Spuyten Duyvil carried President Lincoln up the James River to Richmond after the Confederacy's surrender. Later Isaac invented an armor-piercing exploding artillery shell for the War Department that gave Allied Naval Forces great advantage during World War I. He also built Spuyten Duyvil's Edgehill Church for hundreds Irish immigrants who found jobs in Isaac's foundries and mills. Walt graduated from Riverdale's Fieldston Day and Horace Mann Schools, Culver Military Academy, and Harvard, where he played cornet in and managed Harvard's Gold Coast Dance Orchestra and Rhythm Ramblers Swing Band. During World War II, M.I. T. hired Walt to develop rocket technology for the War Department. He earned an M.S. in chemistry at University of Connecticut and married Eva DeMars, daughter of West Hartford real estate developer Aimee DeMars. In 1950, Walt joined Battelle Memorial Institute in Columbus, Ohio, where he invented a dry-cell battery and earned a doctorate in surface chemistry at Ohio State University, where he invented a method for purifying chlorophyll for federal government photosynthesis research. Walt retired a senior editor and consultant for Chemical Abstracts Service, where he specialized in quantum mechanics and statistical thermodynamics. He loved jazz and classical music, poetry, photography, collecting rare coins, and was a member of American Chemical Society, Sierra Club, and United Methodist Church. Funeral service will be 11 a.m. Wednesday at EGAN-RYAN FUNERAL HOME NORTHWEST CHAPEL, 4661 Kenny Road, Columbus, Ohio. Interment to follow at Green Lawn Cemetery. Donations in Walt's memory for a cure for osteoarthritis are invited to the Trudeau Institute, 154 Algonquin Avenue, Saranac Lake, NY 12983, (518) 891-3080, www.trudeauinstitute.org.

Michael Hochsetter, age 82, Sunday, July 7, 2013, at his home. He loved biking, skiing and played clarinet in the greater Columbus band and orchestra. He also enjoyed ballroom dancing with the Kilbourne Club orchestra. He was associated with Chemical Abstracts and retired from Ashland Chemical after which he taught part time at Columbus State. He is preceded in death by his first wife Florence, and is survived by his wife, Evelyn; son, Richard; daughters, Sharon Meck (Paul) and Lisa Sloat; grandchildren, Miriam, Hannah, Christopher, Jordan, Maximilian, and Wulf; and sister, Carol Feer (Frederick); many nephews, nieces and dear friends. His funeral was conducted at the Novak Funeral Home, with Rabbi Gary Hurber officiating. Internment Tifereth Israel Cemetery. Online condolences to: www.novakfuneralhome.com

David James Ryder passed away on July 22, 2013 after a short battle with kidney cancer. He was born on May 29, 1938 in Grand Haven, Michigan. He was preceded in death by his parents Vera and James Ryder. David is survived by his wife, Susan, of 47 years; sons, Peter (Rebecca) of Medina, Ohio, and Andrew (Sharon) of Lynnwood, Washington. Survivors also include four grandchildren, Claire, Nicholas, James, and Braden. David earned a Bachelor of Arts degree in Chemistry from Albion College, where he was a member of Goodrich Club, and a Master of Science degree in Physical Chemistry from the University of Wisconsin. On completion of his degree, he took a position as an editor at Chemical Abstracts Service in Columbus, where he worked until his retirement in 2000. He was a member of the American Chemical Society and Phi Mu Alpha Sinfonia. In his retirement he engaged in creative and inspirational writing, as well as an extensive genealogical survey of the Ryder line, completed in 2012. Through this process, he became a member of the Ohio and Western Michigan Genealogical Societies. He was an active volunteer with his church, Meadow Park Church of God, International Friendships, and Wycliffe Bible Translators. He enjoyed traveling, and with his wife Susan visited such destinations as Italy, Austria, Great Britain, Mexico, the Bahamas, Oregon, Washington, Alaska, Arizona, and Utah, among many others. A memorial service was held at Meadow Park Church of God, 2425 Bethel Rd., Columbus, on Saturday, July 27, 2013. In lieu of flowers, donations may be made to OhioHealth Hospice/Kobacker House via the OhioHealth Foundation, at <https://www.ohiohealth.com/foundation-hospice>.



MEETING NOTICE



Columbus Section of the American Chemical Society, Inc.
Meeting #865
columbus.sites.acs.org

Dr. Yulia Vasilieva
Ashland Chemical

Bio-based Resins and Green Composites

Thursday September 5, 2013
Ashland Chemical
5200 Blazer Parkway
Dublin, Ohio

Program Details

5:15 – 6:15 PM	Social Hour Cheese and crackers Vegetable Tray Soft drinks and water
6:15 – 7:00 PM	Dinner Buffet Caesar Salad Honey Dijon Chicken Vegetable Lasagna Green Beans Almandine, Roast Red Skin Potatoes New York Cheese Cake or Carrot Cake Soft Drinks, Water, Iced Tea, Coffee



7:00 – 7:45 PM	Presentation: Dr. Yulia Vasilieva <i>Bio-based Resins and Green Composites</i>
8:00-8:45 PM	Executive Committee Meeting
Cost	\$25 per person members and non-members, \$10 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 this 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, student. • Employer • Your choice of entrée: Chicken or Lasagna • Please indicate if you will join us for the <u>Dinner & Program</u> OR <u>Program Only</u> • Your phone number, in case we need to contact you.
Reservation Deadline	Wednesday August 24, 2013
Program Contact	David Speth (989-430-5123); drspeth@sbcglobal.net
Directions & Parking	<p>There is construction on several freeways in downtown Columbus. Please check the internet before leaving home.</p> <p>Ashland has several new companies collocated on their campus. Please park near the Ashland Visitors Entrance and enter there to go through security.</p> <p>From the North Take US 23 to I 270 West at exit 23B toward Indianapolis. Merge onto US 33 East/Ohio 161 East via exit 17A. Turn right onto Frantz Road then right again onto Blazer Parkway. Ashland is on the right.</p> <p>From the South Take US 23 North to I 270 West. Continue on I 270 North to Tuttle Crossing Boulevard Exit 15. Turn right onto Tuttle Crossing and then left onto Blazer Parkway. Ashland will be on the left.</p> <p>From the East Take I 670 West to I 70 W. Merge onto I 270 North at exit 93 towards Cleveland. Take the Tuttle Crossing exit 15. Turn right onto Tuttle Crossing and then left onto Blazer Parkway. Ashland will be on the left.</p> <p>From the West Take I 70 to I 270 North towards Cleveland. Exit at Tuttle Crossing Boulevard exit 15. Turn right onto Tuttle Crossing and then left onto Blazer Parkway. Ashland will be on the left.</p> <p>Parking is free.</p>



ABOUT THE TOPIC: *BIO-BASED RESINS AND GREEN COMPOSITES*

The demand on fuels and petrochemicals increases each year while oil resources rapidly decline. There is a growing concern in society and industry about carbon footprint and sustainability. More and more companies are seeking ways to use bio-based sources to create and utilize bio-derived chemicals and fuels. This presentation will give an overview of ongoing efforts at Ashland Performance Materials to develop and commercialize bio-resins for composite applications.

ABOUT THE SPEAKER: DR. YULIA VASILIEVA

Dr. Yulia Vasilieva received a PhD degree from Russian Academy of Sciences. Prior to joining Ashland she worked as a postdoctoral fellow at the University of Southern Mississippi studying controlled and conventional free radical polymerization of water-soluble polymers. At Ashland she has developed thermosetting technologies for use in adhesive and composite applications. Her work is currently focused on creating products from bio-derived raw materials and developing “green” technologies

NOTE FROM THE CHAIR BY DAVID SPETH

Thanks to all the Section members who braved rain and thunderstorms to attend the Clippers game July 9. It was a nice change of pace from our normal scientific topics. I think the attendees had a good time at dinner and the game in spite of the weather (which the Clippers won!).

As the year winds down, it's time for **all** our Section members to think about Section leadership for 2014. To keep the Local Section program going we need an executive committee willing to organize and monitor our activities. For 2014 we need nominees for secretary, chair elect, treasurer elect and councilor. None of these roles takes a huge time commitment and all of them provide an opportunity to learn about leadership. They are good ways to build experience for your resume and a great way to give back to the ACS. If any of you are interested in serving in these positions or as a committee chair, please let me know at drspeth@sbcglobal.net.

Congratulations to our 2012 Chair **Natalie Chilicki** who welcomed a new daughter **Margret Renee** into her family in July. Everyone is doing well.

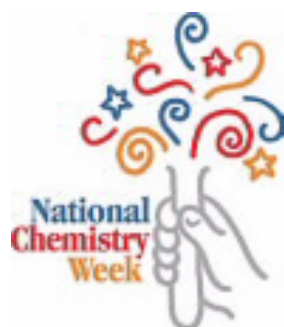
Our next meeting will be Thursday September 5 at Ashland. Please note that the schedule will be somewhat different from normal to accommodate Ashland's new security requirements. The social hour will start at 5:15 with dinner at 6:15 and the lecture at 7:00. Details are provided elsewhere in this issue of *The Chemical Record*.

The rest of our fall season is all set. The schedule is as follows

October 16	CAS	ACS President elect and 50, 60 year member awards
November 16	COSI	Sam Kean "The Disappearing Spoon" Lecture and private reception
December		Tour and Lecture at Scientific Expert Analysis

-Dave

NATIONAL CHEMISTRY WEEK, OCTOBER 20-26, 2013
Energy: Now and Forever!



National Chemistry Week (NCW) is a community-based annual event that unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. This year, NCW explores the positive impacts of chemistry as it relates to nutrition, hygiene, and medicine.

Your Columbus Section will be partnering with COSI on Wheels for NCW. Volunteers are needed to perform hands-on chemistry demonstrations for children of all ages at the Main Branch of the Columbus Metropolitan Library, 96 South Grant Avenue, from 10:00 AM until 3:00 PM on Saturday, October 26, 2013. No previous experience is necessary; we will provide everything you need and show you how to perform the demonstrations on the day of the event. You are not required to work the entire time; you may sign up for a two- or three-hour "shift." Please contact Professor John Blaha at 614.287.5930 or jblaha@cscce.edu for more details.

WELCOME NEW MEMBERS!
By DAVID SPETH, SECTION CHAIR

Please join us in welcoming the following members who have joined the Section recently: The Columbus Section cordially invites new members to our monthly meetings. The Section will pay for new members' meals the first time they attend a meeting.

JANET ADDAE
NEVIN ARORA
VAGULEJAN BALASANTHIRAN
JEEVAN BARETO
MICHAEL CHILCOTE
MICHAEL COOLBAUGH
SEAN DECATUR
ALEXANDRA GEHRING
CORY HANLON

SEUNG JUNG
KURT JUSTUS
ANDREA KARL
MEI LI
XIAOYONG LU
SIWEI LUO
KALPESH MAHAJAN
BETSY MCCALL

WILLIAM MCCULLOCH
ELIZABETH MCINTURF
JONATHAN MCKAY
PAUL SCHUBERT
BRIAN SKURA
BROOKE STEVENS
BENJAMIN WAGNER
SUZANNE WITT
YONG XU



COLUMBUS SECTION FINANCIAL UPDATE AS OF JULY 26, 2013

BY JEN MAHONEY, TREASURER

Income		Item	Expenses	
Budget	Actual		Budget	Actual
Income				
\$ 4,000.00	\$ -	Section Dues	\$ -	\$ -
\$ 12,500.00	\$ 15,618.30	ACS Allotment	\$ -	\$ -
\$ 500.00	\$ 2,655.00	New Member Commission	\$ -	\$ -
\$ 5,000.00	\$ -	Investments	\$ -	\$ -
\$ -	\$ -	ACS Grants	\$ -	\$ -
Meetings & Programs				
\$ 5,000.00	\$ 1,515.00	Meals	\$ 12,000.00	\$ 3,505.80
\$ -	\$ -	Hospitality (Students)	\$ 500.00	\$ 445.00
\$ -	\$ -	Hospitality (Retirees and Silver Circle)	\$ 500.00	\$ 255.00
\$ -	\$ -	Hospitality (Speakers)	\$ 500.00	\$ 40.00
\$ -	\$ -	Hospitality (New Members)	\$ 500.00	\$ 20.00
\$ -	\$ -	Hospitality (Teachers)	\$ 500.00	\$ 200.00
\$ -	\$ -	Hospitality (Other)	\$ -	\$ -
\$ -	\$ -	Programs	\$ 1,000.00	\$ -
Awards				
\$ -	\$ -	High School Teacher Award	\$ 1,300.00	\$ 1,250.00
\$ -	\$ -	Columbus Section Award	\$ -	\$ 1,250.00
\$ -	\$ -	College Awards (REEL)	\$ -	\$ -
\$ -	\$ -	College Juniors ACS Memberships	\$ -	\$ -
\$ 100.00	\$ -	State Science Day Awards	\$ 2,000.00	\$ -
\$ -	\$ -	Chemistry Olympiad Awards	\$ 700.00	\$ 320.00
\$ -	\$ -	Patterson-Crane Award	\$ 1,000.00	\$ -
\$ -	\$ -	Award Expenses	\$ 1,000.00	\$ 116.98
\$ -	\$ 20.00	Donations	\$ 3,000.00	\$ -
Events & Other Expenses				
\$ -	\$ -	Chemistry Olympiad	\$ 500.00	\$ 429.16
\$ 250.00	\$ -	Community Activities	\$ 3,500.00	\$ -
\$ -	\$ -	COSI Events	\$ 1,500.00	\$ 1,500.00
\$ -	\$ -	Miscellaneous	\$ -	\$ -
Travel				
\$ 300.00	\$ -	Officers	\$ 1,000.00	\$ -
\$ 5,500.00	\$ -	Councilors	\$ 10,000.00	\$ 5,669.92
\$ -	\$ -	Speakers	\$ 2,500.00	\$ 1,227.66
\$ -	\$ -	CERM Steering Committee	\$ 750.00	\$ -
Committees				
\$ -	\$ -	Executive	\$ 2,500.00	\$ 554.94
\$ 150.00	\$ -	Silver Circle	\$ 1,000.00	\$ -
\$ -	\$ -	High School Teachers	\$ 1,000.00	\$ -
\$ -	\$ -	Younger Chemists	\$ 1,000.00	\$ -
\$ 360.00	\$ 360.00	Publications	\$ 500.00	\$ -
\$ -	\$ -	Education	\$ 800.00	\$ -
\$ -	\$ -	Membership	\$ 100.00	\$ -
\$ -	\$ -	Communications	\$ 100.00	\$ -
\$ -	\$ -	Nominations	\$ 500.00	\$ -
\$ 33,660.00	\$ 20,168.30	Totals	\$ 51,750.00	\$ 16,784.46

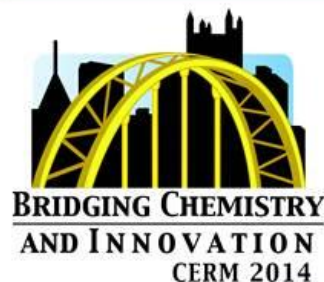
Current Checking Account Balance: \$11,865.33



2014 ACS Central Regional Meeting



www.acscerm2014.org



THE 45TH CENTRAL REGIONAL MEETING

OCTOBER 1-4, 2014

DOUBLETREE BY HILTON
PITTSBURGH - GREEN TREE

PLENARY SPEAKERS

VICKI H. WYSOCKI, PH.D.
THE OHIO STATE UNIVERSITY



BRADLEY D. SMITH, PH.D.
UNIVERSITY OF NOTRE DAME



SARA E. SKRABALAK, PH.D.
INDIANA UNIVERSITY BLOOMINGTON



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INORGANIC, ORGANIC, PHYSICAL, BIOCHEMICAL, POLYMER,
PROTEOMICS, AND CHEMICAL EDUCATION

SPECIAL EVENTS:

- VENDOR EXPOSITION
- PITTSBURGH AWARD
- DISTINGUISHED SERVICE AWARD
- HIGH SCHOOL TEACHING AWARDS
- FORMER CHAIRMAN DINNER
- WOMEN CHEMISTS COMMITTEE LUNCHEON
- YOUNGER CHEMISTS COMMITTEE LUNCHEON
- STUDENT AFFILIATES LUNCHEON
- SCI-MIX POSTER SESSION
- LEADERSHIP INSTITUTE
- CAREER WORKSHOP
- STUDENT AFFILIATE WORKSHOP
- TEACHER TRAINING WORKSHOP
- AND MORE ...

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SILVER CIRCLE UPDATE
BY TOM WEEKS

Silver Circle has a tentative visit planned for the U.S. Geological Service location on Sept 24. Contact **Tom Weeks**, tomweeks@aol.com, for details.

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2013	August	24	Wed		3:00 PM: Deadline for reservations for May, 2013 Section Meeting
2013	September	5	Thu	Ashland Specialty Chemical Company, Dublin	Monthly Section meeting: See details elsewhere in this issue of <i>The Chemical Record</i> .
2013	September	8 – 12	Sun – Thu	Indianapolis	246 th ACS National Meeting and Exposition
2013	September	24	Tue		Tentative Silver Circle visit to U.S. Geological Service location. Contact Tom Weeks, tweeks@aol.com , for details.
2013	October	20 – 26	Sun – Sat	Here, There, Everywhere!	 National Chemistry Week 2013. This year's theme is <i>Energy: Now and Forever!</i> , exploring chemistry and energy with a focus on sustainable resources Stay tuned for information on Columbus Section activities and volunteer opportunities!
2013	October	26	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.
2013	November	16	Sat	COSI	Chemistry Day celebration at COSI. Stay tuned for details.
2014	March	2 – 6	Sun – Thu	Chicago	Pittcon Conference and Expo 2014
2014	March	16 – 20	Sun – Thu	Dallas	247 th ACS National Meeting and Exposition
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

UPCOMING EVENTS IN THE OHIO STATE UNIVERSITY CHEMISTRY DEPARTMENT

Visit the OSU Chemistry Department website, chemistry.osu.edu, for more details.

Tuesday, Aug 27th, 2013, 4:10 PM - 5:10 PM, 2015 MP
[RFG Materials Seminar Speaker Dr. Nathan Gianneschi Hosted by Professor Jovica Badjic](#)

Thursday, Aug 29th, 2013, 11:30 AM - 12:30 PM, 111 Parks Hall, 500 W. 12th Ave
[RFG Seminar Speaker Dr. David Boehr Hosted by Professor Mark Foster](#)

Thursday, Sep 5th, 2013, 11:30 AM - 12:30 PM, 111 Parks Hall, 500 W. 12th Ave
[RFG Chemical & Molecular Biology/Structural Biology & Biophysics Seminar Speaker Dr. Thomas Joseph Kappock hosted by Professor Jennifer Otten](#)

Monday, Sep 16th, 2013, 4:10 PM - 5:10 PM, 2015 MP
[RFG Seminar Speaker Dr. John Herbert](#)

Thursday, Sep 19th, 2013, 11:30 AM - 12:30 PM, 111 Parks Hall, 500 W 12th Ave
[RFG Chemical & Molecular Biology/Structural Biology & Biophysics Seminar Speaker Dr. Vladimir Uversky hosted by Professor Kudrayshov](#)



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.

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