

## The Chemical Record

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Columbus Section of the American Chemical Society, Inc.

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### *IN THIS ISSUE...*

ABOUT THE COLUMBUS SECTION.....	1
IN MEMORIAM.....	2
NOTE FROM THE CHAIR.....	3
MEETING NOTICE.....	4
COLUMBUS SECTION HONORS THE HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR: <i>MRS. JULIE BLEVINS, DUBLIN SCIOTO HIGH SCHOOL</i> .....	6
STATE SCIENCE DAY 2013-CHEMICAL SCIENCES AWARD SPONSORED BY ACS COLUMBUS SECTION.....	7
WELCOME NEW MEMBERS!.....	8
245 <sup>TH</sup> ACS NATIONAL MEETING – NEW ORLEANS, LOUISIANA – APRIL 7-11, 2013.....	9
COLUMBUS SECTION ACS CALENDAR OF EVENTS.....	11
ACS WEBINARS FOR JULY.....	11
ABOUT <i>THE CHEMICAL RECORD</i> .....	12
CHANGE OF ADDRESS.....	12
ADVERTISING RATES.....	12
PLEASE SUPPORT OUR SPONSOR... ..	12

### 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

**Joan Lathouse**, 86, of Columbus, entered into rest Wednesday, April 10, 2013. She was born September 29, 1926 in Portsmouth, Ohio to the late Homer and Ordie Lathouse. She was a 1948 graduate of Miami University of Ohio. Joan was a world renowned chemist beginning her career at Seagram then joining Battelle Memorial Institute in 1952. She was a member of the Evangelical United Church of Christ in Portsmouth, life member of Theta Epsilon; and became a 50 year member of the American Chemical Society in 1999. Joan, who was known as "Aunt Jo", was a true outdoors woman who enjoyed hiking in the Adirondacks, wildlife, birds (especially cardinals), and was a wonderful photographer. She was an avid collector of cast iron banks and antiques. She loved Christmas, making candy, and trains. Joan was very giving and donated to food banks on a regular basis. In addition to her parents, Joan was preceded in death by her life-long friend, Janis Frye. Survived by her cousins, Eleanor Mast Smith and her son, Edward Johnson, Lou Ann Mast (Cecil) Garringer, and their sons, Terry and Bob Garringer, Marjorie Downs Warner, Katherine McKinley, Vicky McKinley (Ruth Lipschitz), and Bruce McKinley; nieces and nephews, Kendyl Frye, Mary Platz, Kirtlund (Diane) Frye, and their children, Zachary and Hunter. Contributions may be made in Joan's memory to HomeReach Hospice, c/o Ohio Health Foundation, 180 E. Broad St., Columbus, OH 43215. To share memories or condolences, visit [www.schoedinger.com](http://www.schoedinger.com).

Published in The Columbus Dispatch on April 24, 2013



**George Harlow Bare**, age 70, passed away in Bonita Springs on April 18, 2013 after a courageous two-year battle with gastric cancer. A resident of Columbus, Ohio, and Bonita Springs, Florida, he was surrounded by his family and the natural beauty of his beloved southwest Florida coastline. George was born on November 13, 1942 at Johns Hopkins Hospital in Baltimore, Maryland to Katherine Jean Harlow Bare and George Schaeffer Bare. A sister, Cresson Harlow, soon followed. Some of George's childhood was spent in Europe and Asia as the family traveled with the service. The early exposure to foreign cultures provided him with a life-long appreciation of various cuisines, culture and art. After the family's return from abroad, George went on to study chemistry at University of North Carolina at Chapel Hill. He served in the US Navy in Charleston, South Carolina and Vietnam. During George's naval career, he visited his parents, who were staying in an apartment in Cincinnati. His mother had often noticed a young woman doing her wash at a regular day in the building's laundry room. When George arrived for a visit, his mother suggested that he do his wash that day; George followed his mother's recommendations. A short while later, he returned to the apartment and excitedly told his mother that he had just met pretty nurse in the laundry room. The "accidental" meeting turned into a marriage on July 9, 1966, to Catherine Anne Dunkle, of Columbus, Ohio. Anne traveled with George to naval bases along the west coast during the early years of their marriage. Their first daughter, Melissa Cresson, was born in California. A second daughter, Jennifer Allison, was born in Columbus, Ohio, following George's departure from the Navy. The family remained in Columbus, and George received a PhD from The Ohio State University in Physical Biochemistry. He retired from Abbott Laboratories as Divisional Quality Assurance Laboratory Manager. George had four grandchildren, Katherine Marie Evans (Kara), Emily Anne Evans (Emmy), Zachary Thomas Evans (Zach), and Daniel Joseph Harlow Sullivan (Danny). George was deeply attached to his grandchildren, and cared for them daily, spending hours with them at the Upper Arlington parks. He became a great influence in their lives, teaching them kindness, and encouraging their curiosity about science and the world around them. Gifted with an extraordinary intellect, George had an equally extraordinary number of interests. He was known to be as gifted at fixing computers as he was a British Leyland car. George loved history, and was fond of winning political arguments with a memory of historical facts that rivaled that of a textbook. He had an unending fascination with nature, and could not only recognize every species of animal, but could cite their diets, habitats, lifespan and daily routine. Often seen sitting by a body of water, many people mistakenly thought George was relaxing when he was actually staring into the water to get a look at the underwater wildlife. This often resulted in him pulling something out of the water. One daughter was shocked during an aquarium visit when, with people milling about, George reached into a tank to pull out a horseshoe crab; he was never one to miss an opportunity. George dedicated his life to his family. He leaves behind a legacy of strong ethics and self-discipline. He believed that knowledge was key to understanding the world around him, and he instilled that in his children and grandchildren. He will be missed dearly by his wife and family. The family will be forever grateful to Florida Cancer Specialists in Bonita Springs for both their care and caring during his illness. In lieu of flowers, contributions can be sent to Upper Arlington Lutheran Church or Florida Cancer Specialists Foundation, 4371 Veronica S. Shoemaker Blvd., Fort Myers, Florida, 23916 or through <https://foundation.flcancer.com/donate>.

Published in The Columbus Dispatch on April 25, 2013

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NOTE FROM THE CHAIR  
By DAVID SPETH

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April and May were busy months for the Section even though we did not have a section meeting in May. In April the Section sponsored the regional Chemistry Olympiad competition for high school students and presented demonstrations at COSI's Discovery Day for junior high students. In both cases it gave the Section the chance to show students how interesting and exciting chemistry can be.

Our April meeting the Clintonville Woman's Club was very well attended. **Julie Blevins** of Dublin Scioto was awarded the Columbus Section High School Teacher of the Year OSU Earth Sciences Professor **E. Scott Bair** gave a very interesting talk on "The Science and Fiction of Hydraulic Fracking. We apologize to members whose reservations were somehow mangled by our system. We will make every effort to insure that we get accurate lists for our next meeting.

In May as **Wenbin Qi** reports here, the Section was active in the State Science Fair. As usual there were a large number of well done projects by junior and senior high school students. The judges had a difficult time selecting the winners in both the junior and senior high divisions. Thanks to all who participated.

This year we are trying a new activity. On Tuesday July 9 we will meet at Huntington Park in downtown Columbus to see the Columbus Clippers play the Indianapolis Indians. We will have a picnic starting at 5:30 preceding the game at 7:00. Bring your family and come enjoy seeing your colleagues in a social atmosphere.

Even though the year is only half over it is time to think about Section officers for 2014. The Columbus Section is a very active organization but it cannot function without active members. We need to have candidates to serve on the Section Executive Committee. This is a good opportunity to expand your chemist network, give back to the ACS and to get some leadership experience. There are positions with a wide range of time requirements so we can accommodate a range of interests. Please contact me at [drspeth@sbcglobal.net](mailto:drspeth@sbcglobal.net) if you are interested in participating.

Our schedule in the fall starts in early September with a meeting at Ashland to hear about their programs on biomaterials. In October we will meet at CAS to hear from the ACS President elect. In November we have a special treat. At the end of Chemistry Day at COSI we will have a presentation from author **Sam Kean** (The Disappearing Spoon and The Violinist's Thumb) followed by a reception with Sam for our membership. In December we will have a tour of a testing lab with the chemical engineers.

As always if you have suggestions for topics or locations for future meetings, we would love to hear them. I look forward to seeing you at one of our activities later this year.

Dave

## MEETING NOTICE



Columbus Section of the American Chemical Society, Inc.  
Meeting #864  
[columbus.sites.acs.org](http://columbus.sites.acs.org)

Columbus Clippers Baseball  
Vs  
Indianapolis Indians

Tuesday, July 9, 2013  
Huntington Park, Columbus

### Program Details

5:30 – 7:00 PM	Social Hour: Left Field Picnic Terraces Please enter and pick up tickets and wristband at the Left Field Entrance. Hamburgers, hot dogs, potato chips, potato salad, baked beans, cookies, water and soda
7:00	Game time: Food service ends
Cost	Game ticket only \$10, Game with picnic \$20 for members, \$15 for students and retirees. Parking is extra, see directions and information below. <b><i>Remember that this is a dinner order and must be paid. Please help control costs by honoring your order.</i></b>
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: <a href="mailto:acscols@wowway.com">acscols@wowway.com</a> or use the <a href="#">Meeting Reservation Form</a> on the Section's website.



<p>*Voicemail/e-mail Reservations Template</p>	<ul style="list-style-type: none"> <li>• First and last name: Please spell last name.</li> <li>• Membership category: member, non-member, retired, emeritus, unemployed, student.</li> <li>• Employer</li> <li>• Please indicate if you will join us for the <u>Picnic and Game</u> or for the <u>Game only</u>.</li> <li>• Your phone number, in case we need to contact you.</li> </ul>
<p>Reservation Deadline</p>	<p><b>Friday June 28 at 5:00 pm</b></p>
<p>Program Contact</p>	<p>David Speth <a href="mailto:drspeth@sbcglobal.net">drspeth@sbcglobal.net</a>; 614-538-0635</p>
<p>Directions &amp; Parking</p>	<p><b>Parking at Huntington Park</b></p> <p>With its central location in the Arena District, Huntington Park has over 14,000 parking spaces within a 10 minute walk. The map below shows a layout of the different lots in relation to the Ballpark. As long as there are no other events in the area, lots controlled by Standard Parking Corp. will cost \$3, \$4, or \$5 for Clippers home games, depending on lot location.</p> <p>Arena District parking facilities are adequately staffed to assist in directing traffic in and out of lots and garages. All lots and garages will be pre-pay to avoid delays in exiting.</p> <p>Blue "H" dots on the map indicate locations where handicap spaces can be found. All NRI lots are ADA compliant and have handicap spaces. However, not all lots in the Arena District are owned or controlled by NRI. None of the gravel lots to the west of the ballpark nor the gravel lots to the north of Vine Street are owned by NRI. These lots are extremely difficult for handicap patrons to utilize. Please plan accordingly.</p> <p>If you would like to reserve your parking for the Ballpark ahead of time you can do so using <a href="#">Click and Park</a>.</p> <p>For a map of the parking areas in and around Huntington Park, see <a href="http://www.milb.com/documents/2013/02/07/41467048/1/2013_special_event_parking_map.pdf">http://www.milb.com/documents/2013/02/07/41467048/1/2013_special_event_parking_map.pdf</a>.</p> <p><b>Directions to Huntington Park</b></p> <p><b>Directions from the North:</b></p> <p>South on I-71 to I-670 west. Exit at Neil Avenue. Turn left at intersection onto Neil Avenue. Huntington Park is a half mile on the right. The parking lot is on the left.</p> <p>South on I-315 to I-670 east. Exit at Neil Avenue. Turn right at the intersection onto Neil Avenue. Huntington Park is a half mile on the right. The parking lot is on the left.</p> <p><b>Directions from the East:</b></p> <p>West on I-70. Exit at Fourth Street. Continue on Fulton Street to Front Street. Turn right onto Front Street. Turn left onto Nationwide Blvd.</p> <p>Huntington Park is a half mile on the right. The parking lot is on the left.</p> <p><b>Directions from the South:</b></p> <p>North on I-71. Exit at Front St. (#100A). Turn left at intersection onto Front Street. Turn left onto Nationwide Blvd. Huntington Park is a half mile on the right. The parking lot is on the left.</p>

**Directions from the West:**

East on I-70. Exit at Fourth Street. Continue on Fulton Street to Front Street. Turn right onto Front Street. Turn left onto Nationwide Blvd.

Or East on I-70, continue east on I-670. Take the Neil Avenue exit. Turn right at the intersection onto Neil Avenue. Huntington Park is a half mile on the right. The parking lot is on the left.

**Attendees should proceed to the Left Field Entrance to pick up tickets and wristbands. The picnic supper will be in the Left Field Picnic Terraces.**



**A** Arena West North **B** Arena West South **C** Front St. Garage **D** Chestnut St. Garage **E** Vine Lot **G** Flats On Vine  
**H** The LC Lot **I** Cinema Garage **J** Arena Crossing Garage **K** Neil Ave. Garage **L** Arena Crossing Lot **M** Pen Lot **N** Northbank Lot

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**COLUMBUS SECTION HONORS THE HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR:**

***Mrs. JULIE BLEVINS, DUBLIN SCIOTO HIGH SCHOOL***

**BY JEFF BRACKEN**

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Chemistry teacher **Mrs. Julie Blevins** of Dublin Scioto High School has been named the High School Chemistry Teacher of the Year by the Columbus Section of the American Chemical Society. Mrs. Blevins was recognized for this award at the Columbus Section's April meeting. Mrs. Blevins and her school also received a cash award for this prestigious honor.

Mrs. Blevins is a science teacher at Dublin Scioto and previously taught at New Albany High School. During her eight-year teaching career, Mrs. Blevins has taught a variety of science courses, including physical science, chemistry, and honors chemistry.

Mrs. Blevins has incorporated modeling strategies to increase her students' conceptual understanding of abstract concepts. Mrs. Blevins has continued to seek new professional challenges in a variety of leadership roles within her school district. Mrs. Blevins has embraced the role of technology in her classroom and secured a grant to purchase as classroom set of student response systems (clickers).

Mrs. Blevins' colleagues and administrators refer to her as a true master teacher who constantly seeks new methods to help students learn science. Mrs. Blevins has been described by her peers as an inspirational leader at her school who exemplifies the absolute finest qualities of the teaching profession whose impact extends far beyond her own classroom. Mrs. Blevins was selected to participate in the Physical Science Content Advisory Committee to improve the testing implementation process. In November, Mrs. Blevins presented at the Midwestern Educational Research Association's national conference on scientific college readiness.

Each year since 1965, the Columbus Section of the American Chemical Society has awarded the High School Chemistry Teacher of the Year Award to a chemistry teacher in Central Ohio.

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STATE SCIENCE DAY 2013-CHEMICAL SCIENCES AWARD SPONSORED BY ACS COLUMBUS SECTION  
By WENBIN QI

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First held in 1949, the 64th Annual State Science Day was hosted by The Ohio State University, Columbus, on May 11, 2013. This year's event is one of the largest of its kind in the nation. 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. This year, with the help of 23 wonderful judges, we judged 129 projects by students ranging from grade 7 to grade 12. And the project subjects include energy, material, biochemistry, environment and many other aspects with chemistry content. We, all of the judges, enjoyed talking to so many smart kids and getting to know their brilliant ideas. Here is the list of winners of the Chemical Sciences Award sponsored by ACS Columbus Section on State Science Day 2013: (placing, name, grade, school, city, project title)

Grades 7-9

- 1<sup>st</sup> Kyunghan Kim, 9, Hudson HS, Hudson, *A comparative analysis of natural food thickeners*
- 2<sup>nd</sup> Srinath V Seshadri, 8, Village Academy, Powell, *From grass to gas: An ethanol yield comparison between corn and M. sinensis*
- 3<sup>rd</sup> Mark W Roberts, 9, Hudson HS, Hudson, *Electrocatalysts in action*
- HM Kayleigh M Hahn, 7, St Adalbert, Berea, *Which type of wood gives off the most heat?*
- HM Stamatina M Talias, 9, Carroll HS, Dayton, *The denaturation of proteins*
- HM Grace N Floring, 8, John C Dempsey MS, Delaware, *Lights! Chemicals! Reactors! A study of photochemistry*

Grades 10-12

- 1<sup>st</sup> Advait A Deshmukh, 11, Upper Arlington HS, Upper Arlington, *Combinatorial biophysics study of the protein rop*

2<sup>nd</sup> Ragavi Lanka, 11, Sylvania Southview HS, Sylvania, *The effect of carbohydrate mediums on yeast fermentation*

3<sup>rd</sup> Sohan Agarwal, 12, Sycamore HS, Cincinnati, *Chemistry by force: A study of high speed ball milling*

HM Shuo Liu, 10, Upper Arlington HS, Upper Arlington, *Utilization of NiO nanowires in dye-sensitized solar cells*

HM David Wang, 11, Mason MS, Mason, *Elucidation of histone deacetylase 3 c-terminus structure through ab initio protein prediction methods*

We would also like to thank this year's team of judges. They are a wonderful group and did a great job in recognizing the excellent projects and inspiring future chemists. On behalf of the section, we appreciate the service by all judges:

Robert Bird  
Christian Buettner  
Kate Cavanaugh  
Lee Cherney  
Allison Dick  
Elihu Ihms  
Mary Jones  
Sara Kampfe

Jingjing Li  
Kang Li  
Santosh Mahto  
Jamie Meegan  
Ariel Moore  
Brian Peebles  
Al Pyzik  
Revur Ramachandra

Karen Rippe  
James Ross  
Jinhua Song  
David Speth  
Jeff Trent  
Tom Weeks  
Fred Winer

Special thanks to Dr. Bob Kroshefsky, who has been coordinating this award for many years and helped with recruiting, organizing, training and everything this year.

By

Dr. Wenbin Qi

Coordinator, State Science Day 2013, Chemical Sciences Award sponsored by ACS Columbus section  
Chair-elect, ACS Columbus section

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**WELCOME NEW MEMBERS!**  
**BY DAVID SPETH, SECTION CHAIR**

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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  
VAGULEJAN BALASANTHIRAM  
JEEVAN BARETTO  
CORY HANLON  
MICHAEL COOLBAUGH

SEUNG JUNG  
ANDREA KARL  
MEI LI  
SIWEI LUO  
KALPESH MAHAJAN  
ELIZABETH MCINTURG

BRIAN SKURA  
PAUL SCHUBERT  
BENJAMIN WAGNER  
SUZANNE WITT  
YONG XU



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245<sup>TH</sup> ACS NATIONAL MEETING – NEW ORLEANS, LOUISIANA – APRIL 7-11, 2013

BY VIRGINIA SONGSTAD, DON SONGSTAD, AND JEFF TRENT

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Following are some topics addressed at this Meeting that ACS Columbus Councilors **Donald and Virginia Songstad** ([songstadva@aol.com](mailto:songstadva@aol.com)), and Alternate Councilor **Jeff Trent** attended. These Council-specific topics are lifted from talking points provided to Councilors by the ACS Secretary and General Counsel Flint H. Lewis.

**Meeting Attendance:**

As of April 11, the meeting had 15,596 registrants that included 8,105 regular attendees and 5,793 students. The meeting had 11,232 papers presented and over 250 booth exhibitors.

**Among the Actions of the Council were:**

**Election Results:**

The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2014: G. Bryan Balazs, Charles E. Kolb, Jr., Carolyn Ribes, and Diane Grob Schmidt. By electronic ballot, the Council selected G. Bryan Balazs and Charles E. Kolb, Jr. as candidates for 2014 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.

The Committee on Nominations and Elections announced the results of the election to select candidates from the list of nominees to serve as Directors from District II and District IV on the Board of Directors for the term 2014-2016. Nominees for District II included George M. Bodner, Jed F. Fisher, Alan A. Hazari, and Robert A. Pribush. By mail ballot, the Councilors selected George M. Bodner and Alan A. Hazari as District II candidates. Ballots will be mailed on or before October 10 to all ACS members in District II for election of a Director from the District.

**Committee Review:**

As part of a regular performance review, the Council VOTED unanimously to continue the Committees on Chemical Abstracts Service, Environmental Improvement, and Younger Chemists. Continuation of these three committees requires Board concurrence.

**Society Finances:**

Despite the sluggish economy, ACS generated favorable operating results in 2012. Total revenue was \$490.7 million, which was \$6.1 million or 1.3% greater than the approved budget, and 3.9% higher than 2011. The Net from Operations was \$20.2 million, or \$4.3 million favorable to budget. This was largely attributable to better-than-expected performance by ACS Publications and CAS, and represents the Society's 9<sup>th</sup> consecutive year of positive operating results. While operating performance was favorable, Unrestricted Net Assets declined \$1.4 million to \$100.6 million. Finally, ACS ended the year in compliance with four of the five Board-established financial guidelines.

**2014 Member Dues:**

The Council VOTED to set the member dues for 2014 at the fully escalated rate of \$154. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

**Petition to Amend the Constitution and Bylaws:**

After discussion, a vote to approve the Petition to Amend National Election Procedures FAILED (85% against, 15% in favor). The petition sought to shorten the campaign period for candidates for President-Elect and to charge the Committee on Nominations and Elections (N&E) with proposing two candidates for President-Elect. Currently, N&E proposes four nominees from which Council selects two candidates. Under the petition, Council would no longer vote on a list of nominees. In collaboration with the Committee on Nominations and Elections, the Council Policy Committee authorized a joint task force on election timelines and procedures. This task force will examine the entire election system.

**Member Statistics:**

Society membership at the end of 2012 was 163,322 - 893 lower than the total for year-end 2011 despite recruiting 24,943 new members. The net loss occurred primarily in the Regular, full member category. There was continued growth in both the Student Member undergraduate and international

categories, which helped mitigate the overall decline in membership. The Membership Affairs Committee approved five pilot market data tests to increase membership.

**Academic Professional Guidelines:**

The Council VOTED to approve the Academic Professional Guidelines as submitted by the Committee on Economic and Professional Affairs. These guidelines apply to those members of the academic community whose job function impacts directly or indirectly on scientists practicing the profession of chemistry.

**Local Section Allotment Formula:**

The Council VOTED to approve a new formula for the distribution of allocations to individual Local Sections beginning in 2014. The new allocation will be divided as follows: base allotment (49%); per member allotment (43%), and LSAC program funds (8%).

**Divisional Activities Name Change Request:**

Divisional Activities Committee (DAC) received a request from the Division of Colloid and Surface Chemistry to change its name to the Division of Colloids, Surfaces and Nanomaterials. Six divisions have registered opposition to the proposed name, largely due to the use of the term 'nanomaterials'. DAC will ask Council to vote on the new name in Indianapolis, with a recommendation to approve.

**Revision to Charter Bylaws for the International Chemical Sciences Chapters:**

The Council VOTED to approve changes to the Charter Bylaws for New International Chemical Sciences Chapters. These changes will guide the Committee on Constitution and Bylaws in reviewing bylaw changes before proposed changes are approved by the membership of the new chapter.

**New International Chemical Sciences Chapter:**

The Council VOTED, in concurrence with the Board of Directors, to approve the petition to charter the Romanian International Chemical Sciences Chapter, consisting of the Territory of Romania.

**Special Discussion Item:**

A special discussion item was put on the Council agenda for this meeting. ACS President Marinda Li Wu presented and moderated a discussion on "What else should ACS do to help members to thrive in the global chemistry enterprise?" ACS has established a strategic goal to "Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy." In support of this goal, President Wu commissioned a task force entitled, "Vision 2025: Helping ACS Members Thrive in the Global Chemistry Enterprise," to identify globalization opportunities and engage members in advocacy for improving the business and job climate. Following the presentation, 29 Councilors engaged in a robust discussion on what the Society currently offers or could offer to help members thrive in the global chemistry community.

**The ACS Board's Open Session:**

The Board held a lively, well-attended open session which featured a special forum focused on two questions: 1) "What one thing would you like from ACS that you don't get now?" 2) "What one thing do you get from another organization that you wish you got from ACS?" Members attending this standing-room only session received a brief overview of current Society offerings followed by an exchange of several ideas on future services and products.

**246<sup>th</sup> ACS National Fall Meeting:**

Indianapolis, Indiana

September 7-12, 2013

Theme: *Chemistry in Motion*



### COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2013	June	28	Fri		<b>3:00 PM: Deadline for reservations for May, 2013 Section Meeting</b>
2013	July	9	Tue		Monthly Section meeting: See details elsewhere in this issue of <i>The Chemical Record</i>
2013	September	5	Thu	Ashland Specialty Chemical Company, Dublin	Monthly Section meeting: Stay tuned for details.
2013	September	8-12	Sun-Thu	Indianapolis	246 <sup>th</sup> ACS National Meeting and Exposition
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 ( <a href="mailto:Jblaha@csc.edu">Jblaha@csc.edu</a> ) for more information.
2013	November	16	Sat	COSI	Chemistry Day celebration at COSI. Stay tuned for details.
2014	March	16-20	Sun-Thu	Dallas	247 <sup>th</sup> ACS National Meeting and Exposition
2014	August	10-14	Sun-Thu	San Francisco	248 <sup>th</sup> ACS National Meeting and Exposition

### ACS WEBINARS FOR JULY FROM THE ACS WEBSITE

ACS Webinars coming in July broadcasted live, every Thursday from 2-3 PM EST unless otherwise noted.

- July 11, 2013  
**Chemistry & the Economy – Mid Year Update**  
[http://acswebinars.org/economy-mid-year-update\\_2013](http://acswebinars.org/economy-mid-year-update_2013)
- July 18, 2013  
**Chemical Entrepreneurship Series #6 – Marketing Issues and Challenges**  
<http://acswebinars.org/chemical-entrepreneurship-2013>
- July 25, 2013  
**Advances in Natural Product Chemistry – Benefits of Evidence Based Chinese Medicine**  
<http://acswebinars.org/chinese-medicine>

For more information about our program, see below.

#### About ACS Webinars™

ACS Webinars™ is a free, weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business. The ACS Webinars are divided into several series that address topics of interest to the chemical and scientific community; these series include careers, business and innovation, professional growth, joy of science, extreme chemistry, entrepreneurial initiative, green chemistry, and more. Each webinar is 60 minutes in length, comprising a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET. Recordings of the webinars are available online and upcoming events are posted at <http://acswebinars.org/>.



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### ABOUT *THE CHEMICAL RECORD*

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*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](mailto:george.greene@abbott.com). Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. *Thank you very much!*

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### CHANGE OF ADDRESS

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

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### ADVERTISING RATES

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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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