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A NOTE OF THANKS

Your kind expression of sympathy is deeply appreciated and gratefully acknowledged by the family of **Dr. John R. Long**. We thank you so much for your contribution to ACS Scholars Program. John loved mentoring friends who were struggling in Chemistry! So, very appropriate.

John was proud to be an ACS member and really enjoyed his time as "Chair".

-Melody Long

TELLERS' COMMITTEE REPORT
By Rudolf Brits

Eleven members voted by mail and 132 via SurveyMonkey, giving a total of 143 responses. Congratulations to our new Section officers:

Chair-Elect: **David Speth**, Secretary: **Michelle Schott**, Treasurer-Elect: **Jennifer Mahoney**, Councilor: **Lewis Hogarth**, Alternate Councilor: **Ed King**



ACS
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MEETING NOTICE

Columbus Section of the American Chemical Society, Inc.

<http://columbus.sites.acs.org>

Joint Meeting with the
Central Ohio Section of the
American Institute of Chemical Engineers



Join us for a TOUR of the
GFS Analytical FACILITY
800 Kaderly Drive

And Dinner at The River Club
679 W Spring Street
Columbus, OH 43215

Wednesday, December 7th, 2011

PROGRAM DETAILS

5:00-6:00PM	Tour of the GFS facility
6:00-6:45 PM	Social Hour: Fruit & Cheese appetizers; cash bar
6:45-7:30 PM Dinner	Menu: Garden Salad - Field greens, cucumbers, tomatoes, onions, carrot curls, 2 dressing choices CHOOSE one entree: <ul style="list-style-type: none"> • Chicken - Grilled with tomato relish and red wine demi glace • Tilapia - Baked with white wine butter sauce • Vegetarian - Mushroom Ravioli Herb Whipped Potatoes & Green Bean Almandine Warm Bread and Butter Dessert Station - Carrot Cake or White Chocolate Raspberry Cake
7:30-8:30 PM Program	Speaker: TBA
Cost	\$25 per person members and non-members, \$20 for retired and unemployed members, \$10 per student. Payment will be collected at the door; cash and checks accepted. <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 your last name. • Membership category: member, high school teacher, non-member, retired, emeritus, unemployed, student, other. • Employer • Chicken, Tilapia, or Vegetarian entrée choice • 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, November 30th by noon
Program Contact	Karen Irving, irving.8@osu.edu

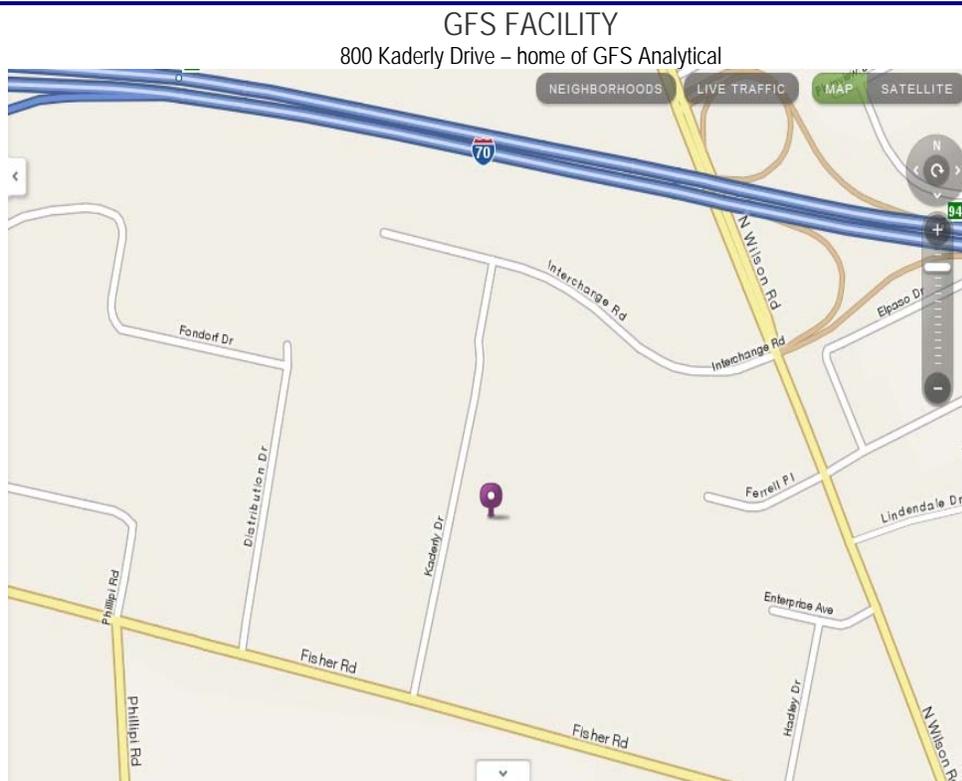
About the Tour

Participate in a tour of GFS Analytical, located at 800 Kaderly Drive. Kaderly Drive is easy to reach from 270 or 70 or Fisher/Wilson Road.

You will all be parking behind the GFS gate. We have about 4 visitor spots outside the gate. No special passes are needed. Someone will be at the gate or it will be open.

We do not allow photography at the location, and may have safety glasses and lab coats for people to wear for certain parts of the tour.

Directions & Parking

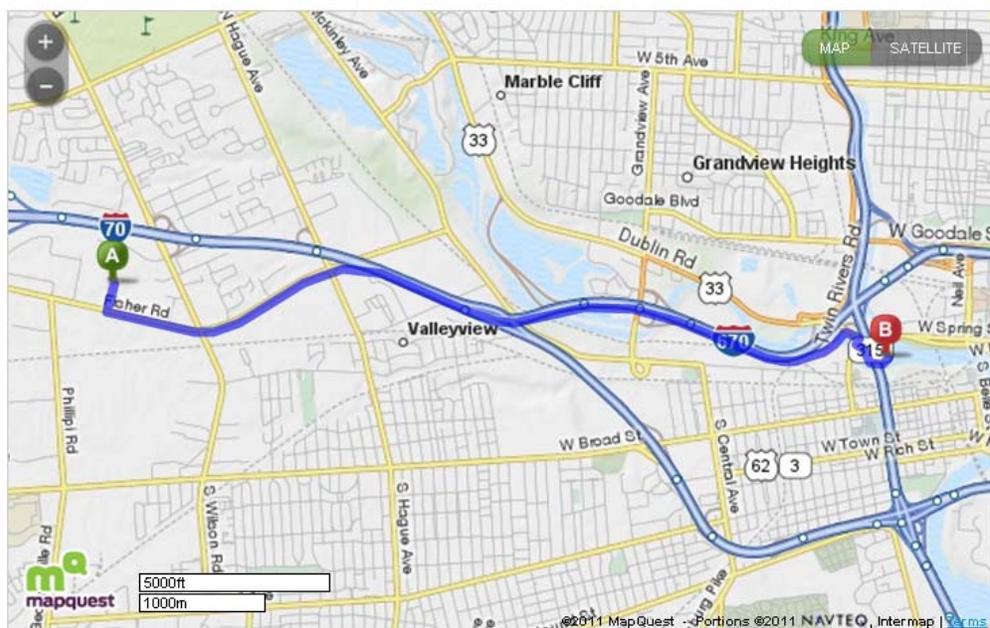


From GFS to The River Club

5.22 miles; 8 minutes

	1. Start out going south on Kaderly Dr toward Fisher Rd .	go 0.2 mi	0.2 mi	
	2. Turn left onto Fisher Rd .	go 1.5 mi	1.7 mi	2 minutes
	3. Merge onto I-70 E toward Columbus .	go 0.8 mi	2.5 mi	1 minute
	4. Merge onto I-670 E via EXIT 96 on the left toward Airport .	go 1.9 mi	4.4 mi	2 minutes

	5. Take the US-33 / OH-315 S exit, EXIT 2A .	go 0.4 mi	4.8 mi
 	6. Turn right onto US-33 / Dublin Rd . <ul style="list-style-type: none"> <i>If you reach OH-315 S you've gone about 0.3 miles too far</i> 	go 0.09 mi	4.9 mi
	7. Take the 1st right onto N Souder Ave . <ul style="list-style-type: none"> <i>If you are on W Long St and reach W Spring St you've gone about 0.3 miles too far</i> 	go 0.04 mi	5.0 mi
	8. Take the 1st left onto Rickenbacker Dr . <ul style="list-style-type: none"> <i>If you reach McKinley Ave you've gone about 0.1 miles too far</i> 	go 0.3 mi	5.2 mi
	9. 679 W SPRING STREET . <ul style="list-style-type: none"> <i>Your destination is at the end of Rickenbacker Dr</i> 		5.2 mi



NATIONAL CHEMISTRY WEEK 2011 RECAP #2

By Jeff Trent, aka "Professor Jeff"

We had a great time! For the second year, we were able to set up in the atrium, allowing us to capture the attention of more children and parents just visiting the Library. Children tugged on their parents' arms... "Can we stop and see the experiments, please?"

ACS brought materials and performed the NCW *Celebrating Chemistry* "Testing Vitamin C" experiment with biodegradable packing pellets dissolved in water for clear colorless starch solution. We added iodine to get the deep blue starch-iodine complex, and confirmed the presence of ascorbic acid, Vitamin C, by adding Orange Juice or Tang with Vitamin C solution (made with crushed Vit C tablet dissolved in water) as the control. Students counted the drops required to make the deep blue starch iodine complex to go colorless. They did a titration for ascorbic acid without even knowing it. With early scientific experiences, we want students to both measure things and to make observations...of course, the more color the better.

ACS Handed out bags of starch packing pellets and iodine solution to anyone who wanted to do the experiments at home or in the classroom. And we provided the ACS *Chemistry – Our Health, Our Future!* literature which described this experiment and more.

For more color, ACS dropped dry ice into universal indicator solution made basic with ammonia window cleaner. The solution started purple and ran through colors, blue, green, yellow, orange, and red as the solution became more acidic as CO₂ bubbling through the solution formed H₂CO₃, Carbonic Acid.

ACS created white water vapor filled bubbles which fell from the second floor allowing students to catch a cloud on the ground floor. When the bubble popped they briefly held a white cloud in their hands. Dry ice dropped in warm water provided the cold carbon dioxide gas to push bubbles off the end of a PVC Tube. This CO₂ faucet was introduced to ACS by **Jeff Bracken** some years ago when high school teachers shared some of their demonstrations on the CAS auditorium stage at a Columbus Section Meeting.

Kids really got into the Atom! Children climbed in and out of the ACS model of the atom and parents took pictures of them inside with the Periodic Table as a backdrop.

The library staff commented that the program went very well and welcomed ACS back next year.

Thanks again to our Volunteers! You made this a great event.

Editor's Note: Photographs of the NCW event at the library appear elsewhere in this issue of The Chemical Record.

COLUMBUS SECTION AWARD FOR 2012: A GUIDE FOR SUBMISSION OF NOMINATIONS

By Professor Lewis Hogarth

The Columbus Section Award is presented every two years to an outstanding scientist in the area of chemical sciences: chemistry, biochemistry, biomedical sciences, chemical engineering, and the use and promotion of chemical knowledge, amongst many others. The awardee is selected from a group of scientists nominated by their colleagues, and must be within the membership of the Columbus Section of the American Chemical Society...all ACS members residing in the Central Ohio area are automatically members of the Columbus Section.

The award is given in recognition of outstanding achievement in and the promotion of the chemical sciences. Nominees must have, at some time during the period for which their work is to be recognized, been full members of the Columbus Section. The types of accomplishments considered are published research, books, patents, workplace leadership and educational advancements.

The nomination package must include the following items:

- A nomination letter by a member of the Columbus Section;
- At least three letters of support from colleagues who are familiar with the nominee's career and work. The letters must be on "company letterhead" or transmitted in an appropriate format using E-mail;
- A summary of the nominee's career, which can include a résumé, a curriculum vitae, lists of publications and patents, presentations at professional meetings, and other relevant information.

Nominations must be received by **January 31, 2012** and a decision will be made by the end of February, 2012. Please submit them to ACS Columbus Section, Att: CS AWARD, PO Box 82181, Columbus, OH 43204. The award will be given at the May, 2012 meeting of the Columbus Section, at which the recipient will be expected to deliver a lecture.

Additional information about the award, including a roster of past recipients, can be found at <http://columbus.sites.acs.org/colsectionawardmore.htm>.

GET FEATURED IN *C&E NEWS!*



What's Your Story?

ACS is on a mission to find the best ACS Network Profile to feature in Chemical & Engineering News!

This is your chance to tell the ACS community your story. Get noticed and connect with over 200,000 chemists worldwide in the ACS Network.

Log on to www.acs.org/mynetworkprofile for complete contest rules.

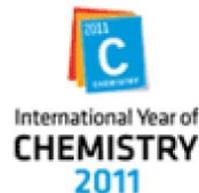
IYC BULLETIN

Submitted by Steve Rosenthal



ACS
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IYC Bulletin



JOIN THE MOVEMENT

Pennies for PUR™ Water – You Can Help

As part of the IYC 2011 celebration, ACS has launched the "Pennies for PUR™ Water" initiative to raise funds that will be donated to the Children's Safe Drinking Water (CSDW) program. The CSDW program, sponsored by Procter & Gamble, provides communities in need with PUR™ water-purification sachets (developed by P&G and the U.S. Centers for Disease Control and Prevention) that can purify even heavily contaminated water so that it meets World Health Organization standards for safe drinking water. Through the Pennies for PUR™ Water effort, ACS hopes to raise sufficient funds to be able to provide more than 1.5 million gallons of safe water before the end of 2011 – a powerful demonstration of ACS' Vision, "Improving people's lives through the transforming power of chemistry." We are asking all members to participate by raising or donating funds. Visit the Pennies for PUR™ Water webpage to find out how you can help.

U.S. Food and Drug Administration Holds a Chemistry Day

The Center for Drug Evaluation and Research (CDER) within the U.S. Food and Drug Administration celebrated IYC 2011 at the White Oak Campus in Silver Spring, Maryland on Thursday, November 17, 2011. The celebration included a plenary presentation by CDER Director, Dr. Janet Woodcock, M.D. highlighting the role of chemistry in protecting and promoting public health within the Center. FDA employees participated in a chemistry Jeopardy game, chemistry demonstrations, and a scientific poster session.

ACS IYC Partner Program

Is your organization an ACS IYC Partner? If not, consider joining the growing number of science, technology, engineering, and mathematics organizations that have partnered with ACS to promote and celebrate the IYC. Find out how to participate by visiting our IYC website.

New IYC Partners

We welcome our newest ACS IYC Partners:

- American Chemistry Council
- North Carolina A&T State University's Chemistry Department
- Northern Kentucky University

IYC Partner Highlight – Health Physics Society (HPS)

The Health Physics Society is a scientific organization of professionals who specialize in radiation safety. Its mission is to support its members in the practice of their profession and to promote excellence in the science and practice of radiation safety. Today its nearly 5,000 members represent all scientific and technical areas related to radiation safety including academia, government, medicine, research and development, analytical services, consulting, and industry in the United States. Visit the HPS website to learn more.

SPREAD THE WORD

***Chemical & Engineering News* Features Essays by Prominent Figures in Chemistry to Commemorate IYC 2011**

C&EN asked five prominent figures in the chemistry enterprise to contribute essays about the achievements of chemistry and how chemistry is improving the lives of human beings around the world. The essays examine a few of the many ways chemistry is being harnessed to meet the challenges humanity faces. The essay on Marie Curie by science historian and biographer Naomi Pasachoff, a research associate at Williams College, reflects on this great scientist's career and legacy. Visit C&EN to learn more.

ACS IYC Virtual Journal – New Issue Now Available!

We've celebrated the International Year of Chemistry (IYC) for ten months, and we're getting ready to celebrate two more. The newest issue of the ACS IYC Virtual Journal gets in on the act by highlighting more of the ways that chemistry improves everyday life for people around the world. Read about a blood protein in lung cancer that could improve diagnosis and treatment; the battle against the bedbug epidemic; a "green" process for biodiesel from feather meal; and the IYC Virtual Journal's other vignettes on chemistry. Free access is available to the full text of the selected content in the ACS IYC Virtual Journal throughout 2011.

U.S. Senate Approves Resolution Designating 2011 the International Year of Chemistry

By unanimous consent, the U.S. Senate adopted a resolution designating 2011 as the IYC. Senate Resolution 283 "recognizes the achievements made in the field of chemistry and the contributions of those achievements to the well-being of humankind and recognizes chemistry's ability to provide solutions that successfully address global challenges involving safe food and water, alternate sources of energy, improved health and a healthy and sustainable environment."

Read about iLASER, a Traveling Educational Project Covering the Entire Length of the U.S.-Mexico Border

In May, David Brown, professor of chemistry at Southwestern College in Chula Vista, California, began a journey from the Pacific Ocean to the Gulf Coast to inspire children at border schools with hands-on lessons in science. Dr. Brown came up with Project iLASER (investigations with Light and Sustainable Energy Resources), a project devoted to demonstrations using light and sustainable energy resources. This project was funded by a grant from the National Science Foundation Division of Chemistry.

Resources for Outreach Projects on Pesticide Detection

Quantitative Analysis students from North Carolina A&T State University (NC A&T) led an outreach project on pesticide detection in the water system using activities developed by NC A&T and field tested with 5th graders from Rankin Elementary School in Greensboro, North Carolina. NC A&T's CHEM 432 class is leading a semester-long service learning project with the help of 5th grade classes at Rankin Elementary School to introduce the students to the water cycle, pesticides, and their effects on ecosystems. Contact Dr. Michelle Kovarik for more details about the project.

Find Out More about the Global Celebration of IYC 2011

Visit the global IYC website, the primary source of information on the IYC created and maintained by the IUPAC with the guidance and sponsorship of the United Nations Education, Scientific and Cultural Organization (UNESCO).

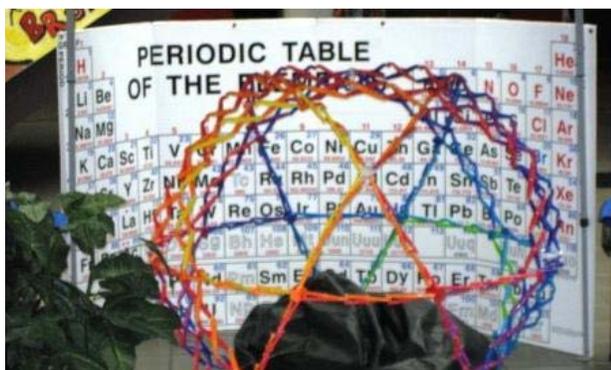
GET CONNECTED

Learn More about the Benefits of ACS Membership

ACS is working to advance chemistry around the world, and is dedicated to supporting the global chemical science community and collaborating with scientists and engineers worldwide through a broad range of activities and events. Find more information at Worldwide.ACS.org.

PHOTOGRAPHS FROM THE OCTOBER 22, 2011 NATIONAL CHEMISTRY WEEK EVENT AT THE MAIN BRANCH OF THE COLUMBUS METROPOLITAN LIBRARY

By John Blaha, Steve & Maria Rosenthal, and Geoff Babbitt



Periodic table display.



Astrid Moussa (CAS) by the microscope table



Amy Parker and Brandon Maynard (COSI) demonstrating hot and cold reactions



Jeff Trent filling balloons with carbon dioxide from dry ice



Qi Wenbin (OSU) and Yun Gong (CAS) dropping cloud



A visitor looks through a microscope



Overview of display area.



Jeff Trent prepares to pop a cork



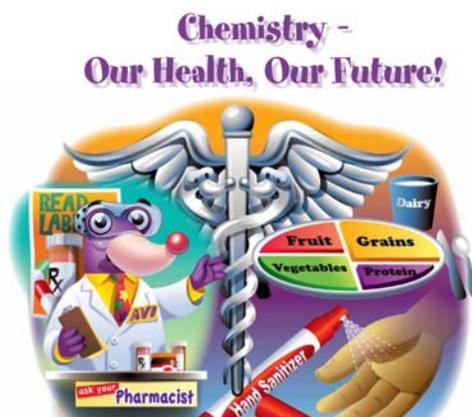
Vitamin C titrations



Catching clouds!



Yun Gong (CAS) and Astrid Moussa (CAS) at the Vitamin C titration station.



NCW 2011 Theme



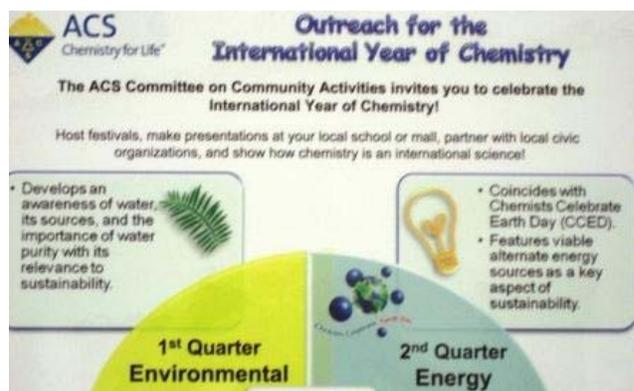
Alternate Councilor **Geoff Babbitt** and his son **Shea** enjoy the Activities at the library.



Chemist-in-Training!



Illustrations of different types of crystals



IYC display

REQUEST FOR 2012 EVENTS

By Natalie Chilicki, 2011 Chair-elect



First, I want to thank **Karen Irving** for all of her hard work and dedication to the section this year in planning the local section meetings for 2011. I know I have enjoyed attending these events! It is an honor for me to be able to be a part of leading such a large and active local section of the American Chemical Society as we move into 2012.

As many of you who have participated in the past know, we have had everything from wine or beer tasting, interactive presentations or panels, to tours of local facilities. What I want to know from our local section is what events you would like to see in the future!

I am encouraging any of you to reach out to me if you or someone you know, would be interested in presenting at a local section meeting or know of someone you would like me to approach. There are two ways you can get in touch:

- Take a short online, anonymous survey of what kind of events you would like to see offered by the local section. As well as any suggestions you have to improving our events overall. <http://www.surveymonkey.com/s/VJG6MFL>
- Email me directly at natalie.chilicki@yahoo.com with any ideas you have or to provide contact information of someone who would be an interesting speaker.

I look forward to serving as the 2012 chair for our local section!

HELP WANTED

Established manufacturer of automotive adhesives and sealants is seeking R&D Manager for New Product Development. The qualified candidate will develop new products and supervise projects for direct reports that align with the company's corporate goals. The candidate will work closely with customers to ensure product compatibility and to provide support. Other employment activities include but are not limited to managing schedules, raw material selection, formulation, testing designs, and developing, supporting and mentoring members in your group.

Ideal candidate will have a Bachelor's degree or higher in chemistry or polymer synthesis or a minimum of 5 years experience in research and development with polymer development for the adhesives, sealants, and coatings industries. Strong background in polymer synthesis and organic reactions preferred. Must be a self starter and work with no supervision. Must possess strong problem solving and evaluation skills to develop new formulations, methods of testing and processing of materials. Understanding of laboratory, environmental and safety procedures are a must. Candidate must possess strong organizational, communication and computer (Microsoft) skills. Travel required.

In addition to competitive salary, we offer a comprehensive benefit program. Please submit your resume and salary history to SEA.hr@us.sunstar.com. Reference R&D-NPD.

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2011	November	30	Wed		Noon: Deadline for reservations for November, 2011 Section meeting.
2011	December	7	Wed	GFS Chemicals and The River Club	Joint meeting with the Central Ohio Section of AIChE, tour of GFS Chemicals, dinner at The River Club. Please see meeting details elsewhere in this issue of <i>The Chemical Record</i> .
2012	Feb-Mar	28-1	Tue-Thu	Blackwell Inn, OSU	Women in Science and Engineering (WISE) Symposium to Be Conducted at Battelle: "W2W - Women to Women - Connecting Global Science and Technology Leaders" See www.battelle.org/conferences/wise for details.
2012	March	11-15	Sun-Thu	Orlando	Pittcon Conference and Expo
2012	March	25-29	Sun-Thu	San Diego	243 rd ACS National Meeting and Exposition
2012	August	19-23	Sun-Thu	Philadelphia	244 th ACS National Meeting and Exposition

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.

SECTION E-MAIL ROUTING

Please send items for distribution to the Section e-mail list to **Maria Rosenthal** (mrosentha@cas.org). Maria will perform any necessary formatting then she will forward the message to **Robert Bird**, Electronic Communications Coordinator, for distribution. If you would like to be added to the e-mail distribution list, please contact Robert Bird (rbird@cas.org).

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