



# The Chemical Record

Volume 48, Number 5 - September, 2006

Columbus Section of the American Chemical Society, Inc.

George W. Greene, Editor -- Tom Weeks, Section Chair

[www.acscolumbus.org](http://www.acscolumbus.org) -- [chemicalrecord@yahoo.com](mailto:chemicalrecord@yahoo.com)

The American Chemical Society

*Improving people's lives through the transforming power of chemistry.*

## *In This Issue...*

VOLUNTEERS NEEDED! .....	1
DEADLINE FOR CONTRIBUTIONS FOR OCTOBER 2006 <i>CHEMICAL RECORD</i> : FRIDAY, SEPTEMBER 22.....	1
UPCOMING MEETINGS.....	2
MEETING NOTICE.....	2
ABOUT THE SPEAKERS AND TOPICS.....	4
STATE SCIENCE DAY 2006 .....	5
NATIONAL CHEMISTRY WEEK 2006 .....	6
VOLUNTEERS NEEDED FOR NATIONAL CHEMISTRY WEEK CHEMISTRY DEMONSTRATIONS.....	6
2008 CENTRAL REGIONAL ACS MEETING COMING TO COLUMBUS .....	6
AWARD NOMINATIONS SOUGHT.....	7
VOLUNTEER SPOTLIGHT .....	7
SECTION KUDOS.....	7
AWARDS CELEBRATION TO HONOR ACS LOCAL SECTIONS.....	8
HIST AND THE CHF ARE PROUD TO ANNOUNCE THE 2ND ANNUAL FALL ACS NATIONAL MEETING CONCERT .....	8
HELP WANTED .....	8
WELCOME NEW MEMBERS!.....	10
PLEASE SUPPORT OUR SPONSOR.....	10
COLUMBUS SECTION ACS CALENDAR OF EVENTS .....	11
ABOUT <i>THE CHEMICAL RECORD</i> .....	12
CHANGE OF ADDRESS .....	12
ADVERTISING RATES.....	12
SECTION E-MAIL ROUTING.....	12

## **VOLUNTEERS NEEDED!**

Volunteers are desperately needed! We still really need one nominee each for the following offices: Chair-Elect, Secretary, Treasurer-Elect. Please nominate yourself or a friend so we can meet our by-law required 2 nominees per position. For further info contact [tomweeks@aol.com](mailto:tomweeks@aol.com) and/or Andrea Arnett at [arnett@kforce.com](mailto:arnett@kforce.com). If you have ever considered getting more involved in Section affairs, now's the time.

**Deadline for Contributions for October 2006 *Chemical Record*:**  
**Friday, September 22**



## **Upcoming Meetings**

*By Tom Weeks*

Please mark your calendars for the following meetings that will be taking place this fall:

- Sept 19, Tues** – Monthly Section Meeting. Tour, dinner, talk at Scotts Miracle-Gro Corp., Marysville. Two topics will be covered: *Homeowner Perspectives on Lawn and Garden Care* and *Ortho Product Formulation Technology*. See meeting notice below.
- Sept 26, Tues** – Silver Circle Meeting. Lunch, lecture, tour at Edison Welding Institute. Dr. Bob Grimm will talk on *Advances in Plastic Welding Technology*. Note: Silver Circle is a group intended for ACS members aged 55 or older. For further info contact [tomweeks@aol.com](mailto:tomweeks@aol.com).
- Oct 5, Thurs.** – ACS Tour Speaker Dr. Joe Vinson will talk at two local colleges. All section members are invited:  
10:20 am – Mt. Vernon Nazarene University, Faculty Hall, Room 105, Mt. Vernon.  
Topic: *Chemistry and Biochemistry of Chocolate*.  
Contact [Joseph.Lechner@mvnu.edu](mailto:Joseph.Lechner@mvnu.edu) for details.  
7:00 pm – Muskingum College, New Concord  
Topic: *Drug Screening in Physiological Samples: An Olympian Task*.  
Contact [dperera@muskingum.edu](mailto:dperera@muskingum.edu) for details.
- Oct. 26, Thurs** – Monthly Section Meeting. Reception, dinner, talk at CAS.  
Dr. Catherine Hunt, President-Elect of the American Chemical Society will talk on *ACS Focus – Education, Collaboration, Innovation*
- Nov. 14, Tues.** – Monthly Section Meeting. Tour, dinner, talk at Ashland Inc., Dublin.

## **MEETING NOTICE**

COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.  
<http://www.acscolumbus.org>

**Tuesday, September 19, 2006**

### ***Homeowner Perspectives on Lawn and Garden Care***

Rich Martinez, Chief Environmental Officer

**and**

### ***Ortho Product Formulation and Process Technologies***

Shannon Hollis, Sr. Scientist and Jason Rader, Scientist  
Process and Formulations R&D

**Scotts Miracle-Gro World Headquarters  
Marysville, OH**

**This lecture is designed to be of interest to all audiences.  
We thank Scotts Miracle-Gro for subsidizing the cost of the student dinners.**



**The Chemical Record**  
Columbus Section ACS  
Volume 48, Number 5 – September, 2006  
Page 3



*The American Chemical Society: Improving people's lives through the transforming power of chemistry.*

5:00-6:00 PM	<b>Guided Tour</b> of Formulation Barn and Greenhouse <b>Executive Committee Meeting</b> (Berger Learning Center)
6:00-6:30	<b>Reception</b> (Patio or Annual/Perennial Room if bad weather) Assorted Finger Sandwiches, Fruit Kabobs w/Yogurt Dip, Petite Quiche, Sesame Cumin Crusted Chicken Skewers
6:30-7:30	<b>Dinner-</b> (Annual/Perennial Room) Please Choose one: ___ Balsamic Smoked Chicken Breast ___ Pepper Steak ___ Grilled Portabella Mushroom w/Red Wine Sauce & Garlic House Salad Vegetable Dessert
7:30-8:30	Presentations by Richard Martinez Shannon Hollis Jason Rader
Cost	Members and Nonmembers \$20.00 Retired and Unemployed members \$18.00 Students \$5.00 Payment will be collected at the door; cash and checks accepted.
Reservations	<b>NOTICE – Due to security issues, attendance for lecture only is not permitted.</b> Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail to The Columbus Section at the following e-address: <a href="mailto:acscols@cas.org">acscols@cas.org</a>
*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none"><li>• First and last name: Please spell last name.</li><li>• Membership category: member, nonmember, retired, emeritus, unemployed, student, other</li><li>• Employer or, if student, university</li><li>• Your menu selection</li><li>• Your phone number, in case we need to contact you.</li></ul>
<b>Reservations Deadline</b>	<b><u>Monday, Sept. 11 by noon</u></b> Your reservation is a dinner order that must be paid. Please help us to control costs by honoring your order.
Program Contact	<a href="mailto:tomweeks@aol.com">tomweeks@aol.com</a>
Directions	-Take I-270 to Dublin and exit Route 33 to Marysville. -Go approximately 12 miles and exit at Scottslawn Road. -Make a left turn and cross over Route 33 to SMG World Headquarters on the left. -People arriving at 5:00PM for the tour should take the <u>second left</u> into the parking lot and park on the right, then follow the signs across the road to the tour. -People arriving at 6:00PM for the rest of the program should take the <u>first left</u> into the parking lot and park on the right, then follow the signs to the reception around the back of the building.



## About the Speakers and Topics

### Rich Martinez

#### *Homeowner Perspectives on Lawn and Garden Care*

Rich, a 27 year employee of the Scotts Miracle-Gro Company (SMG), has a unique outlook on the significant transformation the company has undergone in recent years. He will give a brief company history and then focus on sharing information about continuous innovations and improvements in SMG products, services, and marketing that makes the company an industry leader in lawn and garden care. Rich will also provide insight on consumer behavior and practices. The talk will be of interest to the home gardener.

Rich is Chief Environmental Officer for The Scotts Miracle-Gro Company. In this role, Rich is responsible for leading the development and implementation of the Scotts Miracle-Gro environmental stewardship program policies and practices. He leads the Environmental Stewardship Team for the company and serves as the liaison between Scotts Miracle-Gro and outside environmental stakeholder groups. Rich has been in this role since October, 2004 and is the first Chief Environmental Officer for the Scotts Miracle-Gro Company.

After receiving a B.S. degree in Chemical Engineering from Cornell University, Rich joined Procter and Gamble, where he developed several innovative products. Rich joined Scotts in 1979 and led its fertilizer process development team through several major product and process innovations, culminating in the redesign of all Scotts' Turf Builder production facilities in Marysville, OH. From 1997-2001, Rich served as Scotts' Vice President of R&D, and from 2001-2004, Rich worked within the Scotts North America business on product and technology strategy.

### Shannon Hollis and Jason Rader

#### *Ortho New Product Development: Formulation & Process Technologies.*

Aspects of formulation & process development for Ortho pest control products will be presented. The presentation will address the various stages of the product life cycle from concept through development to environmental fate. The presentation will address technical challenges associated with delivering value-added pest control products to consumers.

The 2005 launch of Ortho Home Defense MAX Perimeter and Indoor Insect Killer will serve as a case study for Ortho pest control product development. Ortho Home Defense MAX is a season-long, bug-barrier product offering improved crack & crevice penetration and a fast dry time.

#### **Shannon Hollis**

Shannon received her B.A. degree for Miami University in Oxford, OH. She has over 9 years of formulating experience at Sunnex, Inc., Witco/Crompton and here at Scotts. Her current responsibilities include the development of commercially viable liquid and granular formulations for the Ortho brand in the lawn and garden consumer market. Shannon is a Sr. Scientist in Process & Formulations R&D. She also received an MBA degree from Capital University in 2002.

#### **Jason Rader**

After receiving his B.S. degree in Forensic Chemistry, Jason worked at The Ohio State University, College of Veterinary Medicine as a Forensic Toxicologist and GLP Scientist. Since joining Scotts in September 2002, Jason has been involved in the development of new Ortho products for the consumer market and as a GLP Study Director. He is a Scientist in Process & Formulations R&D.



## State Science Day 2006

*By Bob Kroshefsky*

State Science Day was held at the French Field House on May 6, 2006. We are very grateful to the following persons who served as judges on behalf of the Section:

Marcy Balunas (ACS member)	Gina Gabriel (OSU grad student)	Chris Middleton (OSU grad student)
Andrew Budgake (OSU undergrad)	Prof. Shahrokh Ghaffari (Ohio U.)	Babul Pandit (OSU grad student)
Achint Choksy (OSU undergrad)	Darren Greschuk (HS teacher)	Adam Peter (OSU undergrad)
Lisa L. Delp (Delp and Associates, ACS member)	Jesus Hernandez, Ph.D. (OCF)	Maria Rosenthal (CAS)
Prof. Kim Diver (Denison U.)	Suma Kaveti (Cleveland Clinic)	Prof. Mark Ruegsegger (OSU)
Laura Ensign (OSU undergrad)	Bob Kroshefsky (METSS Corp)	Leslie Vazquez, Ph.D. (OCF)
Ganesh Ethiraj (CAS)	Huban Kutay (OSU grad student)	Tom Weeks (ACS member)
Denise Fong (OSU undergrad)	Michelle Tobbe Kuzio (Franklin International)	Dale Wilhelm (ACS member)
Christopher Gabriel (OSU grad student)	Maggie Liang (OSU undergrad)	

The Section presented awards as follows:

### Grades 7-9

1. Jessica L. McQuigg, Mt. Vernon, 9th grade, *How much sugar do diabetic friendly foods really have?*
  2. Mitchell A. Poole, Loveland, 7th grade, *The enzymatic browning of apples.*
  3. Andrew J. Frankart, Lima, 8th grade, *Effect of produce cleaners on removing surface herbicides.*
  3. Hira S. Bashir, Springfield, 7th grade, *What liquids promote corrosion on metals?*
- HM: Kristian L. Irely, Marion, 8th grade, *Electrophoresis chamber.*

### Grades 10-12

1. James Z. Wang, North Canton, 12th grade, *The neutralization of volatile organic compounds through the use of polyethyleneimine nanofibers.*
  2. Christopher C. Notz, Dover, 12th grade, *Magnetoreception: The sixth sense phase II.*
  3. Eric P. Nied, Wadsworth, 11th grade, *The effect of pH on heat of reaction when purifying silicon.*
- HM: Travis R. Duckro, Huber Heights, 11th grade, *Beta carotene: Methods in extraction and distillation.*
- HM: Linnea R. Clausen, Tiffin, 11th grade, *Acetone's effect on gasoline mileage.*

All of these students were given certificates courtesy of the Chemical Abstracts Service Printing Department. In addition there were cash awards of \$200, \$100, and \$50 for placing 1-3, respectively. There was a tie for third in the 7-9 group and they received \$50 each. HM means honorable mention (certificate, but no cash).



## National Chemistry Week 2006

October seems far away, but it and National Chemistry Week (NCW) will be here before we know it. Each year the American Chemical Society's NCW campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. It is the one time during the year when chemists unite with the common goal of spreading the word that chemistry is good for our economy, our health, and our well being. The celebration dates for 2006 are **October 22 – 28** with the theme, "**Your Home—It's All Built on Chemistry**".

### Volunteers Needed for National Chemistry Week Chemistry Demonstrations Saturday, October 21, 2006

National Chemistry Week is being celebrated this year during the week of October 22 through 28. This is the American Chemical Society's annual effort at public education on the benefits of science, particularly chemistry, on our daily lives. This year's theme is *Your Home—It's All Built on Chemistry* focuses on science (with emphasis on chemistry/chemical principles or concepts shown) in our homes. Volunteers are needed to help guide the public in performing chemistry demonstrations on Saturday, October 21, at the Columbus Metropolitan Library, Main Branch, 96 South Grant Avenue. The experiments are simple (acid-base reactions, making "slime", generating carbon dioxide from baking soda and acetic acid, etc.) *COSI on Wheels* and volunteers from the Columbus Section of the American Chemical Society will provide all of the chemicals, setup, and supplies, and we will show you what to do. We are extremely grateful to our friends at GFS Chemicals for sponsoring this important educational event.

This is a terrific way to introduce kids (and adults) to chemistry and show them that science is indeed FUN! If you are not comfortable performing demonstrations we also need volunteers for "crowd control" (greeting guests, making sure everyone has safety glasses, etc.)

Shifts are from 10-12, 12-2, and 2-4. If you would like to sign up for a shift (or two), please contact Professor John Blaha at 614.287.5930 or [jblaha@csc.edu](mailto:jblaha@csc.edu)

### 2008 Central Regional ACS Meeting Coming to Columbus

The 2008 meeting of the Central Region of the American Chemical Society will be held in Columbus, sponsored by Ohio State University and the Columbus Section of ACS. Contact **Jimmy Cowan**, [cowan@chemistry.ohio-state.edu](mailto:cowan@chemistry.ohio-state.edu), if you would like to help organize the meeting.



## **Award Nominations Sought**

The Esselen Award for Chemistry in the Public Interest consists of a check of \$5000, a medal, and travel expenses and is given annually by the Northeastern Section of the ACS. The deadline for nominations is Oct 15, 2006. For more information on the nominating process go to [www.nesacs.org](http://www.nesacs.org).

## **Volunteer Spotlight**

*By Tom Weeks, Chair*

Within recent issues of the Record, I've taken the opportunity to highlight the efforts of several of our volunteers. There are several reasons for this: one is to acquaint our members with the many activities of the Section; the other is to recognize those individuals who work behind the scenes to get things done. Here are two more of those individuals.

**Bob Kroshefsky** – Bob efficiently oversees our Section's judging of chemistry projects in the State Science Fair. This fair, which is held at OSU and sponsored by the Ohio Academy of Sciences, hosts almost 900 finalists from science fairs held around the state. Every year Bob manages to find about 25 judges who screen approximately 125 projects in half a day and coordinates our efforts with those of the Academy. He distributed certificates and \$ 750 in prize money to 4 finalists in grade category 7-9 and 3 finalists in grades 10-12.

Bob works for METSS Corp., a Westerville contract research firm. If you'd like to be a judge, just see Bob. If not, just say "thanks".

**Beth Eddy** – Not only is Beth a great chemistry teacher at Westerville South, but she also organizes and runs the ACS sponsored Chemistry Olympiad. Through Beth's efforts, we had a record number of students (77) and high schools (17) participate this year. Twelve of these students qualified to take the national test, and the top qualifiers received prize money of \$400 from our section. Organizing this event takes significant effort, as it involves obtaining and setting up lab materials, finding space, coordinating with participants, and soliciting gifts for the students. Best of all, Beth maintains an air of excitement, enthusiasm, and good humor throughout the process. The students have FUN, and we can thank Beth for that.

## **Section Kudos**

*By Tom Weeks, Chair*

At the end of every year our section submits a report to national ACS in which our activities throughout the year are described. The quality of this report is dependent upon our committee chairs, and is used by ACS to recognize various chapters. This year two of our activities have been recognized as top tier:

1. We are a finalist for the ChemLuminary Award (see *Awards Celebration to Honor ACS Local Sections* in this issue) given by the Committee on Chemistry and Public Affairs-the ACS President's Award for Local Section Government Affairs. The presentation will be given at the upcoming ACS national meeting. This award recognizes the hard work of Manfred Luttinger, who is Chair of our Government Affairs committee.
2. Our newsletter, edited by George Greene, was "really the best I've encountered" according to the ACS reviewer of our annual report. High praise, indeed!



## **Awards Celebration to Honor ACS Local Sections**

*From the ACS Website*

ACS local sections will be recognized at the fall ACS National Meeting for their many outstanding programs and activities held in 2005. The ChemLuminary Awards, a yearly event, is scheduled for Tuesday, September 12, 2006, at the San Francisco Marriott Hotel. The poster session will be in Salon 8 from 8:00-8:45 p.m., and the award celebration follows in Salon 9 at 9:00 p.m. Music and dancing will begin at approximately 10:00 p.m. Mark your calendars to attend and support the many ACS member volunteers

Choosing a graduate school? Need to know who is doing research critical to yours?

Consult the DGRweb, which is the searchable, online version of the ACS Directory of Graduate Research (DGR), now available free of charge at <http://chemistry.org/education/DGRweb>. The ACS Directory of Graduate Research is the most comprehensive source of information on chemical research and researchers at universities in the U.S. and Canada. Using this online directory, one may search for both faculty and institutions. Search for faculty includes specific research area, academic rank, gender, and state, and the search results produce complete contact information for faculty including direct links to faculty email addresses and web pages. Institutional searches provide all departmental contact information along with statistical data on the number of faculty and students in the department and a complete list of faculty active in graduate research. DGRweb 2005 also includes access to the complete 1999, 2001, and 2003 databases.

## **HIST and the CHF are proud to announce the 2nd Annual Fall ACS National Meeting Concert**

Sponsored by the ACS Division of the History of Chemistry (HIST) and the Chemical Heritage Foundation (CHF), 5:30 – 7:00 pm, September 12, 2006, Location to be announced. Jeff Seeman and Vicki Bragin once again team up in their celebration of fine music and special chemistry. As they did at the Washington, DC National meeting in 2005, HIST and the CHF are sponsoring a concert which will take place during the San Francisco ACS National meeting. Bragin, the winner of the prestigious Van Cliburn International Piano Competition for Outstanding Amateurs in 2002, will once again perform her piano magic. Also featured will be members of the chamber music program at Caltech. The musicians are June Wicks, violin; John Keith, cello; Victor Kam, piano; Christina Vizcarra, viola; and Shelley Chang, violin (all of whom are either chemistry undergraduate or graduate students at Caltech). This concert is free.

## **Help Wanted**

The Department of Chemistry and Biochemistry at Denison University has an opening for a part-time temporary position in the spring of 2007 (January to mid-May 2007) to teach one section of General Chemistry II with an associated laboratory. A Ph.D. is preferred but candidates nearing the end of their doctoral studies will be considered.

Please contact Jordan Fantini, Chair, Department of Chemistry and Biochemistry, Denison University, Granville, OH 43023 for more information. Applicants will be considered on a rolling basis (starting September 15) until the position is filled. Contact by email at [fantinij@denison.edu](mailto:fantinij@denison.edu) or telephone at 740-587-6491.





## **Opportunities in Pharmaceutical Industry**

Boehringer Ingelheim Roxane, Inc. (BIRI) is an innovative, growth-oriented pharmaceutical manufacturing company in Columbus. BIRI is a part of Boehringer-Ingelheim (BI), a family-owned company in the business of providing our customers with products that significantly enhance their health and improve their quality of life. For more information about BIRI and its products, please visit BI's web site at [us.boehringer-ingelheim.com](http://us.boehringer-ingelheim.com).  
Openings:

### **Section Head, Quality Control**

**Responsibilities:** Review and approve analytical work performed by chemists. Approve chemistry of finished dosage forms for market release and/or chemistry of raw material for release to production on an as needed basis. Supervise chemists and technicians and implement finite planning for all laboratory work relative to product analysis. Review and approve laboratory investigations. Review and update departmental and applicable site procedures. Monitor work-group/defined shift for efficiency, compliance to procedures and productivity. Drive process improvements with Production and Packaging Departments on laboratory product flow and associated projects. Responsible for laboratory safety and cGMP compliance. All other duties as assigned.

**Requirements:** BS/BA degree in Chemistry. BS in a related field may be considered. Minimum of 2 years of supervisory experience. Five years experience in a pharmaceutical laboratory with proven leadership experience and/or project management. Capable of working independently and with minimal supervision and training. Proven competency with general analytical instrumentation. Candidate must be proficient in computer applications including Word, Access, Excel and LIMS. Experience using SAP preferred. Must be able to prioritize multiple projects and assess contingency plans. Must have proven analytical investigation skills, good written and oral communication skills.

BIRI offers a comprehensive package of compensation and benefits including competitive base salary, bonus program, paid-time off program, medical, dental, vision, life insurance, 401k and pension, and a 100% tuition assistance program. For immediate consideration, please e-mail your resume to [roxane@bi-careers.com](mailto:roxane@bi-careers.com) (reference source code "AD-ACSCMH" in the subject line), or go to [Monster.com](http://Monster.com) or BI's website ([us.boehringer-ingelheim.com](http://us.boehringer-ingelheim.com)) to apply online (preferred method; reference source code "AD-ACSCMH" on cover letter).

BIRI is a proud equal opportunity employer and is committed to a safe, clean, and healthy non-smoking work environment.



**Welcome New Members!**  
*Compiled by George Noethlich, Membership Chair*

Please join us in welcoming the following new members who have joined the Section recently:

CLARE T AITKEN  
THEODORE R BIEBER  
JEROME P BOZON  
ERIC BURCKLE  
KIRK BURRELL  
KRISTINA J CARLSON  
WENLAN CHEN  
JOSEPH A CRADLEBAUGH  
SONG FENG  
JOHN HERBERT  
XIAOHUA HUANG  
WEIJIA LI  
QIULI LU  
A MAHAJAN

THOMAS METZ  
MEGAN M MORRIS  
HEATHER A NEESE  
X PENG  
STEVEN RAU  
KENNETH REISIG  
DAVID J REYNOLDS  
JENNIFER RIEPENHOFF  
JERRY RILEY  
CHRISTOPHER ROHRS  
ANNABETH B RYDER  
JIE SHEN  
ALEXANDER A SHER  
TIFFANY V SOMMERS

LAWRENCE SULLIVAN  
YUJIE SUN  
ZIQI SUN  
SHENGZHUANG TANG  
HAROLD THOMPSON  
ASHLEY M TOPPER  
JAMES WILLIAMSON  
CHENGFENG XIA  
SHIJING XIA  
HONG XIE  
QINGMIN XU  
YINGKAI XU  
JESSICA O WINTER  
JINHUA WANG

New members are invited to attend their first Section meeting dinner free of charge.

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## Columbus Section ACS Calendar of Events

*Compiled by Maria Rosenthal, Jodie Harper, Tom Weeks, and George Greene*

2006	September	10-14	Sun – Thu	San Francisco	232 <sup>nd</sup> ACS National Meeting.	
2006	September	19	Tue	Marysville	Section Meeting at Scotts Miracle-Gro World Headquarters. See details elsewhere in this edition of <i>The Chemical Record</i> .	
2006	September	22	Friday	Columbus	Deadline for submitting articles for October, 2006 issue of <i>The Chemical Record</i>	
2006	September	26	Tue	Columbus	Silver Circle Meeting. Lunch, lecture, tour at Edison Welding Institute. See details elsewhere in this edition of <i>The Chemical Record</i> .	
2006	October	5	Thursday	Mount Vernon Nazarene University	10:20 AM: ACS Tour Speaker Dr. Joe Vinson, <i>Chemistry and Biochemistry of Chocolate</i> . See details elsewhere in this edition of <i>The Chemical Record</i> .	
2006	October	5	Thursday	Muskingum College, New Concord	7:00 PM: ACS Tour Speaker Dr. Joe Vinson, <i>Drug Screening in Physiological Samples: An Olympian Task</i> . See details elsewhere in this edition of <i>The Chemical Record</i> .	
2006	October	21	Sat	Main Branch, Columbus Metropolitan Library, 96 S. Grant Avenue	10:00 AM – 4:00 PM. Chemistry Demonstrations for children with <i>COSI on Wheels</i> . Volunteers are needed to work two-hour shifts and we will show you what to do. Please contact John Blaha, <a href="mailto:Jblaha@csc.edu">Jblaha@csc.edu</a> for details.	
2006	October	22-28	Sun – Sat	Here, There, Everywhere!		National Chemistry Week. <i>Your Home: It's All Built on Chemistry.</i>
2006	October	26	Thu	Chemical Abstracts Service	Section meeting with Dr. Catherine Hunt, President-Elect of the American Chemical Society	
2006	November	14	Tue	Ashland, Inc., Dublin, OH	Section Meeting with travel awards for college students	
2006	December	TBA	TBA	TBA	Joint meeting with Columbus Section of AIChE	
2007	March	25-29	Sun – Thu	Chicago	233 <sup>rd</sup> ACS National Meeting.	
2007	May	5	Sat	OSU	State Science Day 2007	
2007	August	19-23	Sun – Thu	Boston	234 <sup>th</sup> ACS National Meeting.	
2007	October	21-27	Sun – Sat	Here, There, Everywhere!	National Chemistry Week. <i>The Many Faces of Chemistry</i>	
2008	June	TBA	TBA	Columbus	Central Regional Section ACS Meeting, sponsored by Columbus Section and The Ohio State University (Contact: Jimmy Cowan, <a href="mailto:cowan@chemistry.ohio-state.edu">cowan@chemistry.ohio-state.edu</a> )	
2008	October	19-25	Sat – Sun	Here, There, Everywhere!	National Chemistry Week. <i>Chemistry and Sports</i> .	



**The Chemical Record**  
Columbus Section ACS  
Volume 48, Number 5 – September, 2006  
Page 12



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### **About ACS**

The American Chemical Society is a self-governed individual membership organization that comprises more than 158,000 members at all degree levels and in all fields of chemistry. The organization provides a broad range of opportunities for peer interaction and career development, regardless of professional or scientific interests. The programs and activities conducted by ACS today are the products of a tradition of excellence in meeting member needs that dates from the Society's founding in 1876.

### **About *The Chemical Record***

*The Chemical Record*, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, September-December and February-May (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, [chemicalrecord@yahoo.com](mailto:chemicalrecord@yahoo.com). Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. When preparing electronic documents, please remember that you are no longer using the old Remington typewriter so you do not need to add a carriage return at the end of each line. *Thank you very much!*

### **Change of Address**

Changes in postal or e-mail address should be reported to the Membership Chair, George Noethlich, 2740 Bella Via Avenue, Columbus OH 43231-2305, e-mail [gnoethlich@wowway.com](mailto:gnoethlich@wowway.com). George 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 Stephen Renner ([srenner@cas.org](mailto:srenner@cas.org)) and Maria Rosenthal ([mrosentha@cas.org](mailto:mrosentha@cas.org)). Maria and Stephen will perform any necessary formatting then they will forward the message to John Todd, Electronic Communications Coordinator, for distribution. If you would like to be added to the e-mail distribution list, please contact John Todd ([jtodd@cas.org](mailto:jtodd@cas.org))



### ***THE CHEMICAL RECORD***

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