



# The Chemical Record

Volume 48, Number 4 - May, 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.*

## MEETING NOTICE

COLUMBUS SECTION OF THE AMERICAN CHEMICAL SOCIETY, INC.

<http://www.acscolumbus.org>

Tuesday, May 16, 2006

Ohio Dominican University

1216 Sunbury Road

Columbus, Ohio 43219

[www.ohiodominican.edu](http://www.ohiodominican.edu)

### COLUMBUS SECTION AWARD:

**GEORGE PILCHER, Akzo Nobel Coatings**

**“Towards 2010: The Environmental and Economic  
Advantages of Coil Coatings**

### HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR:

**PAULA FLUHRER, Dublin Jerome High School**

4:30 – 5:00 PM	Meeting of persons interested in Section educational activities - Room 301, Erskine Hall
5:00 - 6:00 PM	Executive Committee Meeting - Room 301, Erskine Hall
6:00 – 7:00 PM	Reception, Colonial Room, Sansbury Hall: Nuts, raw vegetables and dips, cheese tray, crackers, punch
7:00 – 8:00 PM	Buffet Dinner
8:00 PM	Awards Presentation and Talk
Menu	Buffet: Spring salad (strawberries, mandarin oranges, Almonds and greens); Chicken picatta with vegetable Rice and a fresh vegetable medley; rolls and butter; Fruit pies and coffee)
Cost	Members and nonmembers \$20.00 Retired and Unemployed members \$18.00 Students \$8.00 Payment will be collected at the door; cash and checks accepted. <b>HIGH SCHOOL TEACHERS ARE GUESTS OF THE COLUMBUS SECTION, BUT RESERVATIONS ARE REQUIRED.</b>
Reservations	Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow 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>



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*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, retired, emeritus, unemployed, student, non-member, other.</li><li>• Teacher, employer or university</li><li>• Vegetarian option or not</li><li>• Your phone number, in case we need to contact you.</li></ul>
<b>Reservations Deadline</b>	<b>Thursday, May 11, 2006. Your reservation is a dinner order that must be paid. Please help us to control costs by honoring your order.</b>
Program Contact	Maria Rosenthal 614 447 3600 x 3578, <a href="mailto:mrosenthal@cas.org">mrosenthal@cas.org</a>

## Directions

Ohio Dominican University, 1216 Sunbury Road,  
Columbus, OH 43219

### From the North:

- Go south on Route 71 to the Route 670E exit towards the airport.
- Exit at Fifth Avenue and turn left at the light (pointing in a westerly direction) and proceed through one traffic light to the next, the junction with Sunbury Road.
- Turn right (north) on Sunbury Road and continue through two lights by which time an edge of the campus will be visible.
- At the third light turn left into the parking lot next to the athletics centre.

### From the South:

- Go north on Route 71 to the Route 670E exit towards the airport.
- Exit at Fifth Avenue and turn left at the light (pointing in a westerly direction). Proceed as above.

### Once on Campus:

- Walk out of the parking lot entrance and cross Sunbury Road to the main part of the campus.
- At this time three brick buildings will be visible: Erskine Hall on the right, St. Albert Hall in the middle and, on the left, a curved building, Sansbury Hall.
- Go to the central door in Sansbury Hall and a passageway leading right from the foyer goes into the Colonial Room where the ACS function will be held.

## About the Topic

### *"Towards 2010: The Environmental and Economic Advantages of Coil Coatings"*

"Coil Coatings" are not defined by composition or technology type, but rather by the fact that coatings based upon various polymeric technologies can be applied to a flat moving strip of metal, thermally cured, coiled, shipped to a fabricator, uncoiled and then formed into a variety of products. Such coatings must be hard and damage-resistant, yet sufficiently ductile to withstand metal forming operations. The list of products is nearly endless, but major categories include metal siding and roofing for residential, agricultural and pre-engineered buildings; air-conditioning units; garage and entry doors; home appliances; t-bars for suspended ceilings; office furniture and a variety of automotive uses. The coil coating process is far more economical and environmentally friendly than traditional spray application of paint in industrial settings, insofar as virtually all



emissions are trapped and incinerated, and coil coatings can be applied with close to 100% efficiency, as opposed to 30-70% efficiency for traditional spray-applied industrial coatings.

In the future, we are likely to see new polymeric chemistries which will enable coil coatings with even lower volatile organic content (VOC) and hazardous air pollutants (HAPS) to be cured using high-energy sources, such as ultraviolet radiation (UV), near infrared (NIR), electron beam (E/B), and others.

## About the Speaker

The Columbus Section is honored to recognize **George R. Pilcher** as recipient of the 2006 Columbus Section Award.

George R. Pilcher joined the Coil Coatings Laboratory of Sherwin-Williams Company on graduation from The College of Wooster in 1970. In 1975 he was named Leader of a group formed to study the degradation mechanisms of polyester and PVC coatings exposed to a variety of accelerated environments. In 1977 he was made manager of the Industrial Coatings and Stores Group and later, in 1980, named Senior Group Manager of Platisol Coatings. In 1981, Mr. Pilcher joined the Hanna Chemical Coatings Corporation as the Corporate Technical Director. The company, over the next two decades, evolved through mergers and acquisitions, into Akzo Nobel Coatings, Inc.

Mr. Pilcher is currently the Technical Director of Coil and Extrusion Coatings in the Americas and The Peoples' Republic of China, in charge of research and technology development for new coatings and for technology sharing throughout Akzo Nobel's global coil and extrusion laboratories. Mr. Pilcher's office is based at Akzo Nobel Coatings, in Columbus.

As a member of the American Chemical Society for 26 years, Mr. Pilcher has occupied leadership positions as follows: Chair Polymeric Materials: Science & Engineering (PMSE) Division, 1993, Chair-Elect PMSE 1992, Vice-Chair PMSE 1991, Secretary PMSE 1989-1990.

As a member of the Columbus Section, George Pilcher represented Akzo Nobel Coatings as a strong supporter and sponsor of the Centennial Celebrations in 1997. Under Mr. Pilcher's leadership Akzo Nobel Coatings has co-sponsored the High School Teacher Workshops organized by Jeff Bracken for various years as well.

Mr. Pilcher, during his career, has published numerous papers in the field of coatings chemistry in various journals, as well as being the author of several chapters in textbooks in the field. In addition to the printed papers, Mr. Pilcher has delivered many spoken lectures and papers at professional meetings: the National Coil Coating Association, the European Coil Coating Association and many others. Most significantly, in 2004, he delivered the Joseph J. Mattiello Memorial Lecture at the International Coatings Conference and Exposition in Chicago, and The Keynote Address at the first annual meeting of Coatings Science International in 2005 in Noordwijk in the Netherlands.



## Columbus Section Announces 2006 High School Chemistry Teacher of the Year

*By Jeff Bracken*

Chemistry teacher **Paula Fluhrer** has been named the High School Chemistry Teacher of the Year by the Columbus Section of the American Chemical Society. Paula will be recognized for this award during the May 16th monthly meeting that will be held at Ohio Dominican University in Columbus. Paula and her school will receive a cash award for this prestigious honor.

Paula has been teaching high school chemistry in Dublin for seven years. Her first five years were at Dublin Coffman before helping to open the new Jerome High School in 2004. Paula currently teaches three sections of the first-year chemistry course and one section of AP chemistry. In addition to teaching, Paula has mentored new teachers, accepted student teachers into her own classroom, and also served as the advisor to her school's outstanding Quiz Team. Not surprisingly, her fellow educators at Dublin Jerome High School named Paula as Educator of the Year in May of 2005.

In 2004, Paula received NSF funding for a five-week summer chemistry research project in Peru. Paula has also participated in the Central Ohio Summer Chemistry Teacher Workshop, sponsored in part by the Section.



## 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**".

Planning starts long before NCW arrives, and the Columbus Section coordinator is **Professor John Blaha** of Columbus State Community College ([jblaha@csc.edu](mailto:jblaha@csc.edu)). Some ways that you can contribute to the NCW campaign include helping at an event planned by the NCW coordinator; performing chemical demonstrations at a neighborhood school; conducting hands-on activities with children at museums, malls, or libraries; or writing articles or letters to the editor of the local paper.

NCW is sponsored by the Office of Community Activities (800-227-5558 ext. 6097, [ncw@acs.org](mailto:ncw@acs.org)). Visit <http://chemistry.org/ncw> over the summer as more content is added! Please join the celebration!



## ACS Members Storm Capitol Hill

*From the ACS Website*



*ACS Congressional Visits Day participants going to a Capitol Hill meeting. (From left to right) Regina Ludwig, Detroit Local Section, Marcy Towns, Indiana Local Section, and Manfred Luttinger, Columbus Local Section.*

ACS members from Indiana, Michigan, and Ohio joined over 300 other scientists, engineers, and technicians to meet with members of Congress and urge support for basic research and investment in science. ACS was among 30 plus associations and societies working together to raise awareness about challenges to American competitiveness and innovation.

The ACS members met with the staff of five senators and two congressmen, including members of the influential Appropriations Committee to urge support of President Bush's budget request for increased federal investment at the National Science Foundation, Department of Energy's Office of Science, and the National Institutes of Standards and Technology.

In conjunction with the meetings, ACS members attended a reception honoring Congressman Frank Wolf (R-VA), a noted champion of scientific investment. Congressman Wolf received the George E. Brown Award for Meritorious Service to Science.

Please contact **Manfred Luttinger** ([luttinger@battelle.org](mailto:luttinger@battelle.org)) for additional information about this effort and activities of the Section's State and Local Government Affairs Committee.

## Division Innovative Project Funds

*By Don Songstad*

Innovative Project Fund proposals for divisional enhancement are due by July 1. Divisions can apply for funding for up to two projects totaling up to \$12,500. The maximum per project is \$7,500. Collaboration of a Division with a Local Section is encouraged and Local Sections can apply for Innovative Project Funds for up to \$3000. Local Section Innovative Project Fund proposals are due by August 1.



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### Who said “There’s no free lunch?”

*By Tom Weeks*

If you are over 55 and interested in joining like-minded chemists for, yes, a free lunch, and a tour of the free exhibit “Extreme Textiles” at the newly renovated Wexner Center, read on.

Last December, Columbus Section ACS members over the age of 55 were surveyed to determine their interest in forming a special group within the section. About 50 people indicated they would like to attend quarterly luncheon meetings featuring speakers who addressed mostly technical topics.

Our Silver Circle inaugural event will be at the Wexner Center on the OSU campus, May 17 (Wednesday), 12 noon, lower level, in the Café. We will start with a box lunch, courtesy of the Columbus Section, have a brief organizational meeting, and then be given a tour of the exhibit “Extreme Textiles”. (Spouses are welcome to attend for the modest luncheon fee of \$5). Extreme Textiles will be especially interesting to anyone who has worked with composites or polymers. It features materials used in medicine, engineering, architecture, transportation, aeronautics, and sports. The exhibit includes samples (some of which can be touched), videos, large displays, and technical information.

The box lunch from Brenen’s consists of your choice of wrap (chicken caesar/southwest/Santa Fe or vegetarian) or sandwich (turkey, roast beef, club, ham, chicken/tuna salad, or vegetarian), a side salad, cookie, and soft drink of your choice. Directions to Wexner Center and nearby parking can be found on the OSU website [www.osu.edu](http://www.osu.edu).

If you are interested, please respond no later than noon May 15 to **Tom Weeks** at [weeks.tj@gmail.com](mailto:weeks.tj@gmail.com) or at 614 486 2114.

Another excellent technical event is the Meek Lecture hosted by the OSU Chemistry Department Friday, May 5, 2:00-3:00 in 1008 Evans. The speaker, Dr. Duane Burnett, Research Fellow at Schering-Plough, will discuss *Discovery of Cholesterol Adsorption Inhibitors: From ACAT to Zetia*. Dr Burnett was instrumental in the discovery of these compounds. For further information see [www.chemistry.ohio-state.edu](http://www.chemistry.ohio-state.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.

### 2006 National Chemistry Olympiad

*By Maria Rosenthal*

This year's participation in the ACS sponsored Chemistry Olympiad broke all the records in the number of schools and of students that volunteered to take the local test. We had 17 high schools and 77 students.



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Schools Participating in the 2006 National Chemistry Olympiad:

High School	Teacher	Number of Students
Bexley	Jack Minot	5
Bishop Hartley	Evan Wagner	5
Bishop Ready	Jeff Ungerer	3
Columbus Alternative	David Fawcett	5
Dublin Jerome	Paula Fluhrer	5
Dublin Coffman	Dan Carlson	5
Dublin Scioto	Chris Bolles	2
Hilliard Darby	Susan Rouch	5
Olentangy Liberty	Liz Golowenski	5
Philo	Steve Dixon	4
Pickerington Central	Anita Giardina	5
St. Charles	Penny Bostic	5
Upper Arlington	Stephen Stern	5
Westerville Central	Minnie Herrick	5
Westerville South	Beth Eddy	3
Worthington Kilbourne	Tom Wisard	5
Worthington, Thomas	Cynthia Hummel	5

From these, twelve students advanced to the National Test, which was held on April 18 and 20, at Westerville South High School.:

Michael Banning - Saint Charles	Sarai Itagaki - Thomas Worthington
Derek Clay - Olentangy Liberty	Erik A. Kallenbach - Olentangy Liberty
Alex Chakeres - Upper Arlington	Dimitri Khrakousky - Worthington Kilbourne
Mitchell L. Denti - Worthington Kilbourne	Andrew Loza - Dublin Jerome
Jesse Henning - Westerville South	Jason Mack - Westerville South
Leah Itagaki - Thomas Worthington	Stephen Mayo - Dublin Coffmann

Awards were presented to the Local Test Top Scores, as follows:

### Second Year Chemistry Students:

Both 1st place. These students scored 53/60, the highest score on this year's test:

Leah Itagaki - Thomas Worthington H.S.  
Jeehae Lee - Worthington Kilbourne

### First Year Chemistry Students:

1st place: Michael Bettencourt - Olentangy Liberty H.S.

2nd Place (3-way tie):

Jack Bringardner - Westerville South H.S.  
Austin Brown - Bishop Ready H.S.  
Amelia Noble - Thomas Worthington H.S.



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The work of contacting teachers early in the fall, acquiring test materials and laboratory supplies, coordinating the schedules of all the students, proctoring and grading the tests, is carried out by Ms. Beth Eddy, the Chemistry Olympiad Coordinator for the Columbus Section and a Chemistry teacher at Westerville South High School. Thank you Ms. Eddy!

## Volunteer Recognition

*By Tom Weeks, Chair*

**Maria Rosenthal** has been a member of the ACS for 24 years and of the local section for 20. I see Maria as the historical memory of the section, as well as a valued advisor. Maria is currently a Councilor of the Section, and has also served the Section as Alternate Councilor and as Chair of numerous committees, including the Centennial Committee and Education Committee locally, and nationally on many subcommittees of the ACS Committee on Minority Affairs. She is currently our Communications Chair and also is on the Board of Directors of the Ohio Academy of Sciences.

Maria received her BS in chemistry from the Universidad Autonoma de Puebla, Mexico and her PhD from Texas A&M. Prior to joining CAS, where she is a Senior Information Analyst, she worked at Brookhaven National Laboratory.

Maria is married to Steve, our By-laws Chair, and they have one son, Samuel. Maria's hobbies include gardening, music, and Spanish literature.

I'm sure I speak for Chairs who preceded me when I say that Maria's commitment to ensuring the success and continuity of our section makes our jobs easier. Please thank Maria for the hours she has spent in making our section great.

## COUNCILOR REPORT: 231st ACS National Meeting

Atlanta, GA, March 26-30, 2006

*By Theresa Huston, Maria Rosenthal, Don Songstad, and Jeff Trent*

### COUNCILOR ACTIVITIES

#### **Don Songstad. Member of the Divisional Activities Committee.**

- 3/24 DAC (Divisional Activities Committee)/LSAC (Local Section Activities Committee) Joint Subcommittee on Interactions dinner and meeting
- 3/25 DAC Combined Meeting and Executive Subcommittee Session  
International Activities Committee reception
- 3/26 DAC Division Chairs' and Program Chairs' luncheon and meeting  
DAC Combined Meeting and Executive Session. Town Hall Meeting.  
District II Councilor's Caucus. CINF (Chemical Information Division) reception.
- 3/27 Awards in Inorganic Chemistry Sessions  
CHAL (Chemistry and Law Division) sessions as DAC liaison to CHAL.
- 3/28 Minority Affairs Committee Meeting as DAC liaison. CHAL sessions  
LSAC meeting. Local Section Tour Speakers/Hospitality Awards Reception
- 3/29 Council meeting





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## **Maria Rosenthal. Member of the Committee on Minority Affairs.**

3/24 Collaboration of Committees Working Group. Seeks to identify and share resources of Diversity Committees of ACS.

3/25 Open Meeting of the International Activities Committee (IAC).

3/26-28 Committee on Minority Affairs (CMA). Local Sections/Division Interactions Subcommittee. Developed a "Starter Kit" for Local Sections to initiate Minority Affairs/Diversity Programs. Reported on coordination of the Awards and Grants programs of CMA, including development of new brochures and revised guidelines for the Stan Israel Regional Award and the CMA Minigrant. Program. Networking events. Meeting with the Communications Subcommittee for web page content development. Executive and Open meeting.

Was appointed as Liaison from CMA to the International Activities Committee (IAC).

3/26 District II Caucus Meeting,

3/28 Local Section Activities Committee Open meeting and reception

3/29 Council Meeting.

Met informally with Councilors from various Ohio sections to further the efforts of the Ohio Coalition in regard to State and Local Government Affairs.

## **Theresa Huston**

Attended District II Councilors Caucus, Mar. 26, Women Chemists Committee Luncheon, Mar. 28, Local Sections Awards and Reception, Mar. 28, and Council Meeting, Mar. 29.

## **Jeff Trent, Alternate Councilor. Member of the Committee on Community Activities.**

My ACS National Meeting participation started Saturday with Committee on Community Activities (CCA) activities and meeting and ended with Council, Wednesday.

Presidential Event: Celebrating Chemistry: Kids & Chemistry LIVE! Set up and participated in Demos at the Fernbank Science Center with Ann Nalley in a wizard suit.

Council Committee on Education (CCED) Theme Team meeting. CCA Executive Session. CCA E&T Subcommittee Meeting - responsible for meeting minutes.

National Chemistry Week (NCW) poster contest judging and display at the convention center.

CCA workshop set-up, participation and presentation of the NCW and CCED

Television Public Service Announcements (TVPSA) created with the Local Section Activities Committee (LSAC) innovative project grant.

CCA Open Meeting where the TVPSAs were again presented.

LSAC Open Meeting. Tour Speaker Reception. And ACS Council Meeting in the observation area.

## **ACTIONS OF THE COUNCIL**

### **Election Results**

By written ballot the Council selected Bruce E. Bursten and Bassam Z. Shakhashiri as candidates for 2007 President-Elect. These two candidates will stand for election in the Fall National Election.

### **Candidates for Directors-at-Large**

The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for a 2007-2009 term: William H. (Jack) Breazeale, Jr., Dennis Chamot, Peter K. Dorhout, Paul R. Jones, Valerie J. Kuck, and Dorothy J. Phillips.



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## The Society's Finances

The Society ended 2005 with a net contribution from operations of \$11.6 million, which was \$9.1 million favorable to the approved budget. The favorable variance was primarily attributable to higher-than-budgeted print and electronic information services revenue and investment income, as well as expense savings from staff vacancies and reductions in information technology spending. The Society also realized \$21.0 million in investment gains. In total, unrestricted net assets increased just over \$26 million in 2005 to \$211 million, and the Society ended 2005 in full compliance with the Board-established financial guidelines.

## Meeting Registration Report

As of March 28, 2006, the ACS spring national meeting had attracted 12,546 registrants as follows: Regular attendees 6,323; Students 4,158; Exhibitors 1,288; Exposition only 413; and Guests 364.

## Society Initiatives

1. The Society's new vision statement: *"Improving people's lives through the transforming power of chemistry"*.
2. The Board-Council Policy Committee Governance Review Task Force was charged with reviewing the Society's governance, and Constitution and Bylaws. The task force developed a framework that emphasized five key elements of the Society's governance: membership, geographical organization, disciplinary organization, governance structure, and governance operations.
3. A Program Review Advisory Group (PRAG) has been established to assist the Committee on Budget and Finance in reviewing all programs of the Society (with some exemptions.)

### • Thematic programming

Prospective thematic programming is choosing a theme or themes for an ACS National Meeting and having a group of Division representatives create a program around the theme(s), coordinate the program so that it is in an attractive location and try to minimize any conflict among related sessions.

**The theme chosen for the San Francisco ACS fall 2006 meeting is *Collaboration in Chemistry: Recovery from and Prevention of Natural Disasters*.**

**For the Chicago spring 2007 ACS meeting three themes have been selected as follows:**

**Chemistry for a Sustainable Energy Future**

**Chemistry for a Sustainable Future Water Supply**

**Chemistry for a Sustainable Future Food Supply**

## Member Statistics

ACS closed 2005 with 158,422 members, reversing a 4-year downward trend in Society membership. Of the 15,532 applications processed in 2005, nearly 900 came from the Member-Get-A-Member campaign, in which many councilors participated. The membership retention number remained stable at 92.4%.

## Special Discussion

A special discussion item was put on the Council agenda for this meeting. The discussion focused on membership – specifically, the requirements for ACS membership, and whether they should be made more or less restrictive, or kept the same. ACS President E. Ann Nalley invited the co-chairs of the Board-Council Policy Committee Governance Review Task Force, James D. Burke and William F. Carroll, to help frame the discussion by presenting the results of a councilor survey on ACS membership requirements.



## 2006 Member Dues

The Council VOTED to set the member dues for 2007 at the fully escalated rate of \$132.

## ACTIONS OF THE BOARD OF DIRECTORS

### The Special Temporary Assessment

In December 2002, the Board of Directors approved a special temporary assessment to cover the costs of increased funding for divisions and local sections. In light of the Society's strong financial performance, the Board VOTED that, rather than enacting the assessment of \$8 scheduled for 2007, that the assessment would be reduced to \$4. 2007 is the final year for the Special Assessment.

### The Society's Staff

- The Executive Director/CEO and several of her direct reports updated the Board on an upcoming workshop on evolving information/technologies and trends, key initiatives related to Washington information technology - including the Web Presence project - and the activities of Chemical Abstracts Service, the Publications Division, and the ACS General Counsel.
- The Executive Director/CEO, joined by Dr. Robert Lichter of Merrimack Consultants, reported on the status of a review of the educational activities at the Society – including those of the ACS Education Division.

### Compensation of the Society's Executive Staff

On the recommendation of the Committee on Executive Compensation, the Board voted to approve several actions relative to compensation for the Society's Executive staff. The compensation of the Society's Executive Staff receives regular review from the Board.

### The Board's Activity in the Community

The Board considered an opportunity to participate in a community building activity in the San Francisco Bay Area while attending the fall 2006 ACS National Meeting in San Francisco. The activity, to be planned by local section organizers, focuses on the National Chemistry Week theme: "Your Home: It's all Built on Chemistry." The Board plans to readjust its schedule to allow for participation by its members.

## **Proposed changes to the ACS Columbus Section Bylaws**

*By Steve Rosenthal, Bylaws Chair, and the Section Executive Committee*

### Bylaw VI Manner of the Election and Terms of Office

Section 5. The Nominating Committee shall nominate one or more Members for each elective position for which a vacancy will occur and shall make a report at an executive committee meeting of the Section. With the exception of the Chair, Chair-Elect and Treasurer-Elect, the incumbent of any elective position may be renominated. After the report by the Committee, nominations may be received by petition. Only nominees who have agreed to serve if elected may be named on the ballot.

Section 6. The election of officers, Councilors and Alternate Councilors shall be conducted by distributed ballot to the members of the Section in accordance with the Bylaws of the SOCIETY.

Section 7. Elections shall be completed and the results certified to the Executive Director of the SOCIETY by December 1, as required by the Bylaws of the SOCIETY.



Section 8. The Secretary, or other designated officer of the Section, shall prepare an election ballot on which shall appear the names, in order chosen by lot, of all candidates.

## Bylaw VII Recall of Elected Officials

Section 1. The elected officials of the Section (officers or elected Executive Committee members) are subject to recall for neglect of duties or conduct injurious to the SOCIETY or failure to attend three consecutive Executive Committee meetings.

Section 2. The recall of an official shall be initiated when a signed petition, indicating in writing the specific charges and reasonable substantiating evidence, is submitted to the Chair from at least five (5) voting members of the Section. In the event the Chair is the official in question, the Chair-elect shall receive the petition and shall assume the duties of the office of the Chair with respect to this issue until the issue is resolved.

Section 3. The Chair shall without delay determine that the petitioners are aware of the gravity of their actions and the procedures to be followed. The Chair shall seek an alternate resolution to the problem and a withdrawal of the petition at this time. In the absence of a resolution to the problem, the Chair shall present the issue to the Executive Committee as a new business item at the next Executive Committee meeting.

(a) The Executive Committee shall promptly continue the recall process or dismiss the petition as ill-founded or find an alternative solution to the problem. The Chair shall promptly inform the petitioners and the official of the decision of the Executive Committee.

(b) If the proceedings continue, the Chair shall assign the duties of the official to another qualified member of the Section until the issue is resolved.

(c) If the proceedings continue, the official shall be offered an opportunity to answer the allegations in the petition before the Executive Committee.

Every reasonable effort shall be made to contact the official throughout this procedure. That effort shall include a certified letter to the last known address on the official SOCIETY membership rolls. Upon notification, the official shall have thirty (30) days to make a written response to the allegations. The Executive Committee shall decide whether to proceed after studying the official's response. The Chair shall inform the official and the petitioners of the decision of the Executive Committee.

If no contact with the official can be made after a reasonable effort, the Executive Committee may remove the official in question with a two-thirds (2/3) vote of the remaining members of the Executive Committee.

(d) If the proceedings continue, the official shall choose one of the following options:

(1) The official may resign.

(2) The official may request a recall vote in the same manner as the original election, which must be consistent with the Section bylaws. The voting membership shall be informed, through brief written statements prepared by the Executive Committee and the official, of the issues involved with the recall vote. Both statements shall be given to the voting membership before the vote is taken.



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(3) The official may request a hearing and a recall vote by the remaining members of the Executive Committee. A two-thirds (2/3) vote of the remaining members of the Executive Committee shall be required to recall the official.

(4) The official may choose not to respond and thus forfeit the position.

Section 4. The vacancy provisions of these bylaws shall be used to fill a vacancy caused by a recall process. The membership of the Section and the Executive Director of the SOCIETY shall be informed of the results of the recall process and the replacement of the official.

## Bylaw VIII Duties of the Officers and Executive Committee

Section 3. The Executive Committee shall be the governing body of the Section, and as such, shall have full power to conduct, manage, and direct the business and affairs of the Section in accordance with the Constitution and Bylaws of the SOCIETY and these bylaws.

Section 4. The Executive Committee shall be allowed to make decisions in regular, scheduled meetings or by e-mail, phone conference calls or other accepted means.

## Welcome New Members!

*Compiled by George Noethlich, Membership Chair*

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

**ILIJA ATANASOVSKI**  
**TODD BROWN**  
**EDWARD ETESHOLA**  
**GANG MA**

**MICHAEL K MROZIK**  
**DEBORAH K NEAR**  
**MICHAEL E PAULAITIS**  
**CHEN REN**

**BIN SU**  
**YI ZHANG**  
**LOIS A ZOOK-GERDAU**

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

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## 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.

### Quality Control Chemist

**Responsibilities:** Conduct qualitative and quantitative chemical and physical tests according to pre-established specifications by preparing samples, running analytical equipment, and analyzing data. Perform testing on different technology utilizing safe handling practices according to chemical hygiene standards in order to achieve certification. Writes test methods and results in laboratory notebook and enter data in computer database according to cGMP guidelines and provide feedback to Quality Control management on assigned tasks. Conduct training on technology for incoming chemists which includes demonstrating techniques on particular laboratory equipment and then observing the new person perform the tasks. Troubleshoot instrument malfunctions and analytical results/methodology. Operate major technology such as HPLC, Gas Chromatography, and Atomic Absorption.

**Requirements:** BS/BA degree in Chemistry. A related field may be considered. Experience: One year experience in a pharmaceutical laboratory preferred. Experience in other analytical laboratory settings may be considered. Knowledge of the chemical composition, structure, and properties of substance and of the chemical processes and transformations that they undergo. This includes uses of chemicals and their interactions, hazardous, production techniques, and disposal methods. Ability to analyze issues or situation by identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts. Demonstrate strong communication skills to provide information to supervisors, co-workers, customers, and vendors by telephone, in written form, e-mail, or in person. Possess ability to make decisions about laboratory equipment, testing methods, and problem solving. Demonstrate working knowledge of computers (including hardware and software) to set up functions, enter data, and process information. MS word, MS excel, MS outlook required.

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.



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## Columbus Section ACS Calendar of Events

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

2006	May	5	Fri	1008 Evans Hall, OSU	2:00-3:00 PM, Meek Lecture: Dr. Duane Burnett, Research Fellow at Schering-Plough, will discuss Discovery of Cholesterol Adsorption Inhibitors: From ACAT to Zetia. See details in the "No Free Lunch" article in this edition of <i>The Chemical Record</i> .
2006	May	6	Sat	Columbus	State Science Day – ACS Awards
2006	May	11	Thu		Deadline for making reservations for May 16 Section Meeting.
2006	May	15	Mon		Deadline for making reservations for May 17 Silver Circle luncheon/tour. .
2006	May	16	Tue	Ohio Dominican University	Annual Section Awards Banquet: Columbus Section Award, High School Chemistry Teacher of the Year
2006	May	16-20	Tue – Sat	Frankenmuth, MI	Central Regional ACS Meeting and 39 <sup>th</sup> Silicon Conference.
2006	May	17	Wednesday	Wexner Center, OSU	12:00 Noon, Silver Circle Meeting and tour of "Extreme Textiles" exhibit. See details elsewhere in this edition of <i>The Chemical Record</i> .
2006	July	28	Fri		Kids & Chemistry – Professor Jeff
2006	August	TBA	TBA	TBA	High School Chemistry Teachers' Workshop conducted by Jeff Bracken
2006	August	1	Tue		Kids & Chemistry – Professor Jeff
2006	September	10-14	Sun – Thu	San Francisco	232 <sup>nd</sup> ACS National Meeting.
2006	October	21	Sat	Main Branch, Columbus Metropolitan Library, 96 S. Grant Avenue	10:00 AM – 4:00 PM. Chemistry Demonstrations for children with COSI on Wheels. Volunteers are needed to work two-hour shifts and we will show you what to do. Please contact John Blaha, <a href="mailto:Jblaha@cscce.edu">Jblaha@cscce.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	ACS President-Elect visits Columbus
2006	November	TBA	TBA	TBA	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	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>



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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.

## 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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