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ACS

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IN MEMORIAM
PETER MICHAEL BERNAYS

Peter Michael Bernays, age 90, passed away Friday, February 13, 2009 at First Community Village. Peter served in the Army during WWII and retired from active duty when the war ended. He continued to serve in the Army Reserves and attained the rank of Colonel before retiring. He earned his undergrad from MIT and received his Doctorate in Chemistry from the University of Illinois. Peter retired from Chemical Abstracts after 34 years of service. He was an active member of Covenant Presbyterian Church where he was an Elder. He is survived by his loving wife of 62 years, Marie; his children, Lynda (Stan Smith) Bernays, Sally (Ken) Burgess, Michael (Teresa Sanders) Bernays, Marx C. Lomoro; grandchildren, Alex and Sarah Fuller; David, Jason and Sara Burgess; Kayla and Ryan Bernays, and Jenna Doehling; several nieces, nephews and other relatives. A memorial service will be held at a later date at Covenant Presbyterian Church. In lieu of flowers, contributions may be sent to Covenant Presbyterian Church to support the SOS Food Pantry or to The Sustaining Fund at First Community Village. To send condolences to the family please visit www.schoedinger.com.

MEETING NOTICE

Columbus Section of the American Chemical Society, Inc.

www.acscolumbus.org

Tuesday, March 17, 2009

Program: *Tapping External Technology as a Mechanism for Growth*

Speaker: *Dr. Joe Fox*

Ashland Performance Materials

5200 Blazer Parkway

Dublin, OH 43017

5:00-6:00 PM	Executive Committee Meeting (open to all members) Conference Room 1G (lower level), Building 2 (with flagpoles.)
5:30-6:15 PM	Reception Sign in and pay for dinner reservation in the lobby of Building 2 (with flagpoles), move downstairs to Cafeteria.
6:15-7:00 PM	Buffet Dinner including tossed salad, honey Dijon chicken, twice baked potatoes, vegetable lasagna, rolls, mixed vegetables, assorted desserts, soft drinks, coffee, and tea in the Cafeteria.
7:15-8:15 PM	Program: <i>Tapping External Technology as a Mechanism for Growth</i> by Dr. Joe Fox in the Auditorium.
Cost	\$25.00 per person, \$21.00 for retirees/unemployed, \$10.00 for students.
Reservations	Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations.* alternatively, please send an email to the Columbus Section at the following email address: acscols@cas.org
*Voice Mail / Email Reservations Template	<ul style="list-style-type: none"> • First and last name: Please spell the last name. • Membership category: member, retired, emeritus, unemployed, student, non-member, other. • Employer. • Your phone number, in case we need to contact you. • If you intend to come to the program only, please indicate so; otherwise it will be assumed that you are making a dinner reservation. • If you intend to attend the Executive Committee meeting, please state so to allow early entry.

Reservations Deadline	5:00 PM, March 10, 2009. Unless stated otherwise, your reservation is a dinner order and must be paid.
Program Contact	Priscilla Ratliff pratliff@earthlink.net or 614-405-7350
Security Note	Ashland requires that all visitors be pre-registered and be checked in at the lobby of Building 2 (with flagpoles). Attendees to the Executive Committee meeting only or the program only must still register. Dinner attendees should arrive no later than 6:15 pm. Executive Committee attendees be sure to state in the above template and meet in the lobby no later than 5:00 pm. Program only attendees should arrive by 7:00 pm. All attendees must check out upon leaving.
Directions	<p>From the west</p> <ul style="list-style-type: none"> • Take I-70 East to the I-270 North exit (#93B) toward Cleveland (7.0 miles) • Take the Tuttle Crossing Blvd exit (#15) (0.2miles) • Go Right on Tuttle Crossing (0.1 miles) • Turn Left onto Blazer Parkway (0.8 miles) • Cross Rings Road and continue on Blazer Parkway to the Main Entrance of Ashland on your left. <p>From the north</p> <ul style="list-style-type: none"> • Take I-71 South to the I-270 West exit • Take I-270 West to Exit 17 (Dublin/Route 33 East) • Turn Right on Frantz Road • Turn Right on Blazer Parkway • The Ashland Main Entrance is on your Right as you curve around Blazer Parkway <p>From the east</p> <ul style="list-style-type: none"> • Take I-70 West to I-270 North • Take I-270 North to Exit 17 (Dublin/Route 33 East) • Turn Right on Frantz Road • Turn Right on Blazer Parkway • The Ashland Main Entrance is on your Right as you curve around Blazer Parkway <p>Blazer Parkway cuts the corner of Frantz Road and Rings Road and continues across Rings Road to Tuttle Crossing. If one enters Blazer Parkway from Rings Road, the Ashland complex is the first set of buildings on the left. It is the last set of buildings on the right if entering from Frantz Road. Ashland has a campus of 4 buildings. Large building numbers are visible on the upper right corner of each building. All events will take place in Building 2, which has flagpoles in front. Parking is open.</p>



ABOUT THE SPEAKER

Joe Fox is the Director of the Emerging and External Technologies Group for Ashland, a global diversified Fortune 500 chemical company. He has been with Ashland for fourteen years and has served in his current role for three years.

Joe has held both technical and managerial roles during his career at Ashland. He has led research efforts on polymer matrix composites, novel structural adhesives, nanomaterials, and new binder and coating materials. He is a Design for Six Sigma Black Belt.

In his current role, Joe is responsible for a portfolio of growth projects in support of Ashland's Performance Materials Division, a leading supplier of thermosetting resins for composite and adhesive applications. He also leads Ashland's efforts to develop bioproducts that use renewable resources in place of petroleum-based raw materials.

Joe is the focal point for Ashland's open innovation initiatives and for identifying technology at other companies, universities and federal laboratories that can impact Ashland. He also helps identify potential white space opportunities and conducts technical assessments of opportunities that represent significant growth potential for Ashland.

Joe represents Ashland on the Industrial Research Institute's External Technology Network and the Ohio Polymer Strategy Council. Prior to joining Ashland, he worked for thirteen years for BP America, where he was involved in catalyst and ceramics research.

Joe received his bachelor's degree in chemistry from Lehigh University and his Ph.D. in organometallic chemistry from Penn State. He and his wife Susan live in Dublin, Ohio and have four children.

ABOUT THE TOPIC

Tapping External Technology as a Mechanism for Growth

In recent years, many companies have adopted the concept of open innovation, wherein a company does not rely solely on its internal organization for new, innovative ideas and technologies. This presentation will describe some of the mechanisms that Ashland has used to identify and access external technology. These include:

- Creation of an External Technology Leader position
- Involvement in the Industrial Research Institute's External Technology Directors Network
- Creation of a technology needs list
- Development of partnerships with other companies, universities and federal laboratories
- Working with open innovation intermediaries
- Creation of an external technology contacts database

WELCOME NEW MEMBERS!

By George Noethlich

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

JANET ASPER
AMY BRAUN

LEO COLLINS
KAREN DUDA RIPPE

JACK OTTE
GEORGE SAMOEI



STATE SCIENCE DAY
By Bob Kroshefsky

Volunteers are still needed to serve as judges for State Science Day on Saturday morning, May 9th, at French Field House on the Ohio State University campus. Please see article in the February issue of *The Chemical Record* for details and contact **Bob Kroshefsky** at bobkro@embarqmail.com or 937-707-9276 if you would like to volunteer.

NATIONAL CHEMISTRY WEEK 2009

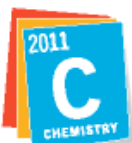
It is never too early to start thinking about National Chemistry Week, which is a community based program of the American Chemical Society (ACS). This annual event unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life.

The mission of National Chemistry Week is to reach the public, particularly elementary and secondary school children, with positive messages about chemistry to:

- Make a positive change in the public's impression of chemistry;
- Promote a mechanism for effectively mobilizing ACS local sections; and
- Motivate the ACS membership through local section activities.



National Chemistry Week will be observed October 18-24, 2009, with the theme, *Chemistry, It's Elemental*. Volunteers are needed to perform hands-on chemistry demonstrations for children of all ages at the Main Branch of the Columbus Metropolitan Library, 96 South Grant Avenue, on Saturday, October 24, 2009. No previous experience is required; we will show you everything you need in order to perform the demonstrations on the day of the event. Please contact **Professor John Blaha** at 614.287.5930 or jblaha@cscce.edu for more details.



International Year of
CHEMISTRY
2011

INTERNATIONAL YEAR OF CHEMISTRY DECLARED
Contributed by Priscilla Ratliff, 2009 Section Chair

On December 30, 2008, the United Nations General Assembly passed a resolution declaring 2011 as the **International Year of Chemistry** (IYC). The American Chemical Society along with other organizations played an instrumental role in advocating this designation.

The principal goal of IYC is to celebrate the achievements of chemistry and its contributions to the well-being of humankind. This goal dovetails with the ACS vision and mission and several of its top strategic goals.

The four main objectives of the International Year of Chemistry are:

- Increase the public appreciation of chemistry in meeting world needs;
- Increase interest of young people in chemistry;
- Generate enthusiasm for the creative future of chemistry;
- Celebrate the 100th anniversary of the founding of the International Association of Chemical Societies and of the award of the Nobel Prize in Chemistry to Mme Maria Sklodowska Curie – providing an opportunity to recognize the contributions of women to the chemical sciences.

Local sections are being asked to identify how they might contribute to IYC's success. This could include new events or activities but also how existing activities could be designated to support IYC's goals and themes. Reaching out to international audiences is particularly being encouraged. If you have any ideas or are interested in working in support of the International Year of Chemistry, please contact me or any member of the Columbus Section Executive Committee.

ACS LEADER DEVELOPMENT SYSTEM SCHOLARSHIP PROGRAM QUESTIONS AND ANSWERS

What is the Scholarship Program and why is it being instituted?

The ACS Leadership Development System's Scholarship Program has been established to encourage maximum participation in the ACS Leadership Development System courses. Whether a member is new to volunteering, an experienced volunteer looking to step into a leadership role, a newly elected officer, or a seasoned leader, the scholarship program is designed to provide incentive for all members to participate in these world-class courses.

Below are answers to the most common questions members might have.

- What are scholarships?
 - Scholarships are a systematic means to provide members with financial support and incentive to participate in the ACS Leadership Development courses. The scholarships are alpha-numeric "discount codes." The enrollee will buy the course electronically at www.acs.org/professionaldevelopment and will enter the code during the check out process.
- How much are the scholarships for? Are there different scholarships for the different course categories - online, facilitated, and the Extraordinary Leader?
 - The scholarships are for facilitated courses and the *Extraordinary Leader* course only. Scholarships are not applicable for online courses.
 - The scholarships for the facilitated courses are 50% of the course fee.
 - The price for facilitated courses is \$150. The value of the scholarship is \$75, so the member pays only \$75 for the course.

- The scholarships for the *Extraordinary Leader* course are greater than 50% of the fee for the course.
 - The price for the *Extraordinary Leaders* course is \$650. The value of the scholarship is \$350, so members pay only \$300 for the course. The \$300 is equivalent to the cost of the comprehensive assessment tool used in the course.
3. Who has access to scholarships? How are scholarships distributed?
- Local Section and Division members should contact their respective chairs to receive scholarships for the four-hour facilitated courses. The Committee on Local Section Activities (LSAC) and the Committee on Divisional Activities (DAC) will distribute the scholarships for the *Extraordinary Leader* course.
The Committee on Committees (ConC) and the Committee on Meetings and Exhibitions (M&E) will distribute all scholarships (four-hour facilitated and the *Extraordinary Leader* course) for Committee and Regional Board members.
The enrollee will buy the course electronically at www.acs.org/professionaldevelopment and will enter the scholarship code during the check out process.
 - The ACS Center for Professional Development will, at their discretion, award scholarships to specific individuals who demonstrate leadership commitment and/or potential leaders who will be key to the future leadership of ACS.
4. My employer is paying for the course; can I still use a scholarship?
- The scholarships are intended to help ACS volunteers participate in the ACS Leadership Development System, given the outstanding value of the course we would prefer that scholarships not be used to reduce the costs that employers pay. The final decision on distribution of scholarships is up to the Local Section, Division, the Committee on Committees and the Committee on Meetings and Exhibitions.
 - Scholarships are limited to use by members only. Non-members are not eligible to receive scholarships.
5. What courses qualify for use of scholarships?
- The scholarships are good for the ACS Leadership Development System facilitated courses and its *Extraordinary Leader* course.
 - Scholarships are not applicable for the online ACS Leadership Development System courses.
 - Scholarships do not apply to Continuing Education (ACS Short Courses). The scholarship system applies to courses in the ACS Leadership Development System only.
6. Do scholarships have an expiration date?
- Scholarships are good for one year from January 1 to December 31. Scholarships will be disseminated to Local Sections, Divisions, Committees (via ConC) and Regional Boards (via M&E) at the beginning of each calendar year. In addition, LSAC and DAC will distribute *Extraordinary Leader* course scholarships.
 - If the scholarship is not used within that period of time, it will not be valid.
7. Where can they be used?
- Scholarships can be used at any venue where leadership courses are offered – National Meetings, Regional Meetings, and other venues, excluding the ACS Leadership Institute.
 - Scholarships cannot be used for an ACS course that is sponsored and conducted by an external group, e.g. NOBCChE or other sister societies.
8. Are the scholarships transferable?
- No; however, there are plenty of scholarships for everyone.
 - If an individual receives a scholarship and does not use it, the scholarship should be returned to the group they received the scholarship from so that they may pass on the scholarship to another member to use.
9. Are members limited as to the number of scholarships they can receive?
- No, members are encouraged to take multiple courses.
 - Members should work with their Local Section, Division, Committee or Regional Board to obtain scholarships for the courses that will help them gain the skills needed. Local Section and Division members should work with LSAC or DAC to obtain a scholarship for the *Extraordinary Leader* course.



ACS FELLOWS PROGRAM

PURPOSE: The ACS Fellows Program was created by the Board of Directors in December 2008 “to recognize members of the American Chemical Society for outstanding achievements in and contributions to Science, the Profession, and the Society.” Unlike ACS national awards, the distinguished honor of a Fellows designation will go to those who have distinguished themselves in multiple areas, including promoting the science, the profession, **and** service to the American Chemical Society. Ultimately, the body of Fellows is intended to reach approximately 1-2% of ACS membership.

ELIGIBILITY: Nominees for ACS Fellows must be current members in good standing of the American Chemical Society. The selection of Fellows will be based upon excellent contributions in two defined areas:

1. Excellence in Science/Profession which could be achieved via excellence in basic or applied research; distinguished accomplishment in teaching or education; or demonstrated leadership or managerial excellence in an organization within the chemical sciences; **and**
2. Outstanding Service to the ACS which could include, but not limited to, governance on a divisional, local, regional and/or national level; publications such as editor, assistant or associate editor; meetings through organization of symposia or major presentations; involvement in National Chemistry Week, Chemists Celebrate Earth Day, environmental efforts and similar outreach activities or public communication by press, radio, TV or electronic media.

There must be evidence of exceptional accomplishments and professional attainment in one of the areas with significant contributions in the other.

NOMINATION: Nominations for ACS Fellows will be solicited through multiple ACS units and forums, including Divisions, Local Sections, ACS Committees, and individuals. Self nominations will not be accepted.

Each nomination will require a primary nominator and two secondary nominators. No more than one nominator may be from the same educational or governmental institution or industrial location as the nominee.

Nominations will be accepted via a completed nomination form by a primary nominator and accompanied by two secondary nominations. Each primary and secondary nominator must write a letter of recommendation for the nominee. The nomination form accompanied by letters of recommendation and any supplementary information should be sent electronically to: fellows@acs.org.

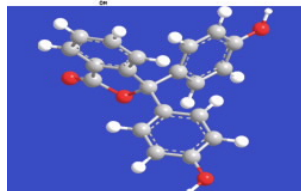
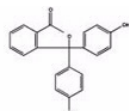
Deadline for receipt of nomination forms for the first class of ACS Fellows is April 15, 2009. Nomination Forms will be available on the web.

SELECTION: Fellows will be selected by a Selection Committee appointed and chaired by the Immediate Past President. Membership on the Selection Committee will be representative of the American Chemical Society. Members of the Selection Committee or current members of the ACS Board of Directors will not be eligible to be nominators or nominees.

PRESENTATION: ACS Fellows will be recognized and honored at the Fall ACS National Meetings. Each Fellow will receive a pin and a certificate.

ADDITIONAL INFORMATION: Additional information on the ACS Fellows Program can be obtained as follows:

- “ACS Comment” in the Jan 19 issue of C&EN by Dr. Bruce E. Bursten, Immediate Past President
- Send an email to: fellows@acs.org









MOLECULE OF THE MONTH

Phenolphthalein

Forensic scientists use phenolphthalein, a chemical indicator, in the Kastle-Meyer presumptive blood test. Phenolphthalein mixed with hydrogen peroxide turns pink when blood is present.

[Get more information on this molecule](#) from CAS (Chemical Abstracts Service)

COLUMBUS SECTION ACS CALENDAR OF EVENTS

2009	March	10	Tue		Deadline for reservations for the March 17 Section meeting.
2009	March	17	Tue	Ashland, Inc., Dublin	Monthly Section meeting: <i>Chemical Industry Outreach with Dr. Joseph Fox.</i>
2009	March	22-26	Sun-Thu	Salt Lake City, Utah	237 th ACS National Meeting and Exposition
2009	April	20	Mon	Chemical Abstracts Service	Monthly Section meeting with Rudy Baum , Editor-in-Chief of <i>Chemical and Engineering News</i> .
2009	April	22	Wed	Here, There, Everywhere!	 Chemists Celebrate Earth Day: <i>Air—the Sky's the Limit</i> . Please see the article in this issue of <i>The Chemical Record</i> and stay tuned for announcements of Columbus Section activities.
2009	May	9	Sat	French Field House, OSU	 State Science Day . Judges are desperately needed; see article in the February issue of <i>The Chemical Record</i> and contact Bob Kroshefsky at bobkro@embarqmail.com or 937-707-9276 for details.
2009	May	TBA	TBA	Dayton	Biennial Patterson-Crane Award Banquet, hosted by the Dayton Section of the American Chemical Society.
2009	May	20-23		Cleveland	 CERMACS Central Regional Meeting of the American Chemical Society Cleveland, Ohio May 20-23, 2009
2009	August	16-20	Sun-Thu	Washington, DC	238 th ACS National Meeting and Exposition
2009	October	18-24	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>Chemistry--It's Elemental!</i>
2009	October	20	Tue	Chemical Abstracts Service	Monthly Section meeting with Professor Joseph Francisco , President-Elect of ACS.
2009	October	24	Sat	Columbus Metropolitan Library Main Branch, 96 South Grant Avenue	National Chemistry Week "chemonstrations." Volunteers are needed; please contact Professor John Blaha at 614.287.5930 or jblaha@csc.edu for more details.
2010	March	21-25	Sun-Thu	San Francisco, CA	239 th ACS National Meeting and Exposition
2010	August	22-26	Sun-Thu	Boston, MA	240 th ACS National Meeting and Exposition
2010	October	17-23	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>The Chemistry of Materials</i> .
2011	Jan-Dec				 International Year of CHEMISTRY 2011 <i>International Year of Chemistry</i> . See details in this issue of <i>The Chemical Record</i> .

**CHEMISTS CELEBRATE EARTH DAY - WEDNESDAY, APRIL
22, 2009**

Theme: "Air—The Sky's the Limit"



ACS observes Earth Day with the Chemists Celebrate Earth Day (CCED) program. We offer a suite of events, contests, and educational resources that can be used by members, chemical educators, and chemistry enthusiasts to illustrate the positive role that chemistry plays in the world.

Learn more about the celebration and how you can get involved by contacting **Professor Jeff Trent** at jtrent@col.boehringer-ingenelheim.com or jtrent@csc.edu, or by visiting the following links:

- [About the CCED program](#)
- [CCED activities flier](#)
- [Find a CCED event in your area](#)
- [Find an event coordinator near you](#)
- [Coordinator Order Form](#)
- [Chemistry Enthusiast Order Form](#)
(Password is earthday)

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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, 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. 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. 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) and **Maria Rosenthal** (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)