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**IN MEMORIAM:
TOMASZ TOMASZEWSKI**

By Maria Rosenthal

The Columbus Section of the ACS mourns the untimely passing of **Tomasz Tomaszewski**, a member for many years and past Treasurer of the Section. Tom worked at CAS where he shared his knowledge and expertise in Chemical Engineering and Environmental Chemistry first in database building tasks and then at the STN help desk, until December, 2006. Tom had a physical presence that could not be missed, always impeccably dressed in great style and taste. He had a fine sense of humor that he shared with close friends. Tom loved good food and good music, and was always looking for good sources of both. He also was serious about nice cars. He had a knack for spotting stories of human interest and was always willing to lend a helping hand to colleagues and neighbors. In times of trouble, he never lost the hope for a better day. Tom will be missed by all his friends at CAS and the ACS.

**MEETING NOTICE:
TUESDAY, OCTOBER 20, 2009**

Columbus Section of the American Chemical Society,
Inc.
<http://columbus.sites.acs.org>

Chemical Abstracts Service
2540 Olentangy River Road
Columbus OH 43202
614-447-3600
www.cas.org

Program

ACS President-Elect Dr. Joseph Francisco
Presentation of ACS Fellows
Presentation of High School Chemistry Teacher of the Year
Presentation of 50- and 60-Year Members
Bring canned food for the National Chemistry Week Canned Food Drive
(see Meeting Note below)

4:30-5:30 PM	Executive Committee Meeting (open to all members), Battelle Room
5:30-6:30 PM	Reception sponsored by Chemical Abstracts Service (Vegetable tray with dip, Fruit and Cheese tray with Crackers, Spinach and Artichoke Dip with Pita Chips, Sunshine Punch and Wine)
6:30-7:30 PM	Dinner in CAS cafeteria
7:30-8:30 PM	Speaker: Dr. Joseph Francisco , ACS President-Elect
Menu	Spinach Salad with Raspberry Vinaigrette Chicken with Mushroom Sauce or Tilapia with Lemon-Dill or Vegetarian Lasagna Mixed Vegetables, Oven-roasted Red Potatoes with Rosemary, Rolls and Butter, Iced Brownies Coffee, Decaf, Hot Tea or Iced Tea, Soft Drinks

Cost	\$25 per person members and non-members, \$20 for retired and unemployed members, \$10 per student. Payment will be collected at the door; cash and checks accepted. The 50- and 60-Year Members and Spouses, ACS Fellows and Spouses, and High School Chemistry Teachers will be guests of the Section but need to make reservations. There is no charge to attend the program only.
RSVP	Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail with the same information to the Columbus Section at acscols@earthlink.net or use the Meeting Reservation form on the web site.
*Voicemail/e-mail Reservations Template	<ul style="list-style-type: none"> • First and last name: Please spell last name. • Membership category: member, non-member, retired, emeritus, unemployed, student, other. • Employer. • Your choice of entrée, Chicken, Fish or Vegetarian. • Your phone number, in case we need to contact you. Please indicate if you are attending the program only.
Reservation Deadline	Wednesday, October 14 at noon. Your reservation is a dinner order and must be paid.
Meeting Note	The unifying event for National Chemistry Week (NCW) Oct. 18-24, 2009 is a canned food drive. We will be collecting canned goods at our October meeting as part of our NCW activities. The food will be donated to the Mid-Ohio Foodbank. Please bring a can of food to the meeting
Program Contact	Priscilla Ratliff – 614-405-7350 or pratliff@earthlink.net
Directions	From 315, north or south, exit at Ackerman Road, toward Olentangy River Road. Enter the CAS campus from either Dodridge St. or Olentangy River Road driveways and follow signs for visitor parking. Parking is available in numbered spots also. Enter the main building, Building A, and proceed to the ACS hospitality table.



About the Speaker: **Joseph S. Francisco** completed his undergraduate studies in Chemistry at the University of Texas at Austin with honors, and he received his Ph.D. in Chemical Physics at the Massachusetts Institute of Technology in 1983. Francisco spent 1983-1985 as a Research Fellow at Cambridge University in England, and following that he returned to MIT as a Provost Postdoctoral Fellow. In 1986 he was appointed Assistant Professor at Wayne State University. In 1991 he was a Visiting Associate in Planetary Science at California Institute of Technology. He accepted an appointment as Professor of Chemistry and Earth & Atmospheric Sciences at Purdue University in January, 1995, and in 2006 was appointed as the William E. Moore Distinguished Professor of Earth and Atmospheric Science and Chemistry at Purdue University. He served as President for the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) from 2005-2007. In 2008 he was elected to the Presidential succession of the American Chemical Society. He will serve as President-Elect for 2009, President for 2010, and is Immediate Past President for 2011.

He has published over 400 peer-reviewed publications in the fields of atmospheric chemistry, chemical kinetics, quantum chemistry, laser photochemistry and spectroscopy. He was appointed by the Secretary of the Navy to be member of the Naval Research Advisory Committee for the Department of Navy (1994-1996). He has served as a member of the Editorial Advisory Boards of *Spectrochimica Acta* (Part A); *Advances in Environmental Research*; *Journal of Molecular Structure Theochem*; and the *Journal of Physical Chemistry*. He is a co-author of the textbook *Chemical Kinetics and Dynamics*, published by Prentice-Hall.

Professor Francisco has received numerous national and international honors for his academic accomplishments. He was recently awarded an Alexander von Humboldt U.S. Senior Scientist Award by the German government, as well as being appointed a Senior Visiting Fellow at the Institute of Advanced Studies at the University of Bologna, Italy. He has been appointed to and served on committees for the National Research Council, National Science Foundation, American Chemical Society, and the National Aeronautics and Space Administration.



COLUMBUS SECTION ANNOUNCES 2009 HIGH SCHOOL CHEMISTRY TEACHER OF THE YEAR

By Jeff Bracken

Chemistry teacher **Mr. J. Aaron Frim** of The Wellington School has been named the High School Chemistry Teacher of the Year by the Columbus Section of the American Chemical Society. Mr. Frim will be recognized for this award at the October 20th meeting that will be held at Chemical Abstracts in Columbus. Mr. Frim and his school will also receive a cash award for this prestigious honor.

Mr. Frim has been a teacher for fifteen years at The Wellington School in Columbus. He has worked extensively with faculty members at The Ohio State University to develop lessons that incorporate nanotechnology concepts into chemistry courses. Mr. Frim is a member of Nanoscale Science and Engineering Center's Educational Outreach Group and has facilitated workshops for teachers. Mr. Frim's colleagues and administrators refer to him as a true master teacher who constantly seeks new methods to help students learn science. Mr. Frim has been described by his peers as an inspirational leader at his school who exemplifies the absolute finest qualities of the teaching profession whose impact extends far beyond his own classroom.

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

NATIONAL CHEMISTRY WEEK 2009

National Chemistry Week will be observed **October 18-24, 2009**, with the theme, *Chemistry, It's Elemental*. Volunteers are **DESPERATELY** 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, from 10:30 AM until 3:30 PM on Saturday, October 24, 2009. No previous experience is necessary; we will provide everything you need and show you how to perform the demonstrations on the day of the event. You are not required to work the entire time; you may volunteer for a two- or three-hour "shift." Please contact **Professor John Blaha** at 614.287.5930 or jblaha@csc.edu for more details.



CHEMISTRY, CHIHULY ART AND COLUMBUS

By Steven Rosenthal

On August 27, 2009 the Columbus Section met at the Franklin Park Conservatory to attend a special presentation on the *Chemistry of Art Glass* by section members **Lisa Kuhn** and **Jim Davis** of Owens Corning. About seventy members and their guests registered for this highly successful event. The attendees were treated to a very interesting and informative talk, enjoyed some food and cocktails at the conservatory, viewed the *Chihuly Reimagined* exhibit and wandered through the Conservatory. It was a great experience for everyone and a wonderful way to spend an evening out in Columbus. The *Chihuly Reimagined* exhibit is spectacular and I highly recommend seeing it. For those that were unable to attend our local section meeting, the exhibit will continue to be on display at the Conservatory until March 28, 2010. Check the [Franklin Park Conservatory](#) website for more information on hours and prices.

There will be two more Chihuly exhibits opening soon in Columbus. The first is *Chihuly Illuminated* at the [Columbus Museum of Art](#), which runs from September 25, 2009-July 4, 2010. The other is *Chihuly XIV* at the [Hawk Galleries](#), 153 East Main Street, Columbus, OH 43215. *Chihuly XIV* runs October 2, 2009-January 31, 2010. For more information and images of the artworks visit the [Chihuly in Columbus](#) website.

Based on the popularity of our last meeting, we will look into having an outing to the Columbus Museum of Art in the spring of 2010.

Editor's Note: The following photographs, submitted by Steven Rosenthal, accompany the previous article and show highlights of the August, 2009 Section meeting at Franklin Park Conservatory.



Silver

SILVER CIRCLE NEWS

By Tom Weeks

tomweeks@aol.com

Silver

September's Silver Circle Meeting featured a fascinating lecture and tour by **Dr. Ouliana Ziouzenkova**, of OSU's Dept of Human Nutrition. Dr. Ziouzenkova focused on vitamins, specifically vitamin A, as antioxidants and their role in human health. She discussed mechanisms of action and both positive and negative feedback of vitamin combinations.

The October meeting will feature an archaeological tour of the Ohio Statehouse. We'll be meeting in the Map Room on the ground floor, and the tour will last from 12 noon to 1 pm on Oct 16. There is no charge. Lunch is at one's own expense, and parking is available beneath the State House.

NOMINATING COMMITTEE NEWS

Lewis Hogarth

We still need candidates for the position of Chair-Elect. Please contact **Lewis Hogarth**, Nominating Committee Chair, at 614-268-8534 or westwood@infinet.com if you are interested.

OHIO'S K-12 SCIENCE STANDARDS

By Tom Weeks (tomweeks@aol.com)

The Ohio Department of Education (ODE) is revising the state's science standards. As part of this process, ODE is soliciting feedback from diverse audiences, including representatives from science-related professional societies. I was asked to represent the Columbus Section of the ACS in these meetings. Our first meeting was held in July. About 30 people were in attendance, and the great majority represented various science-related teachers' organizations.

Working drafts of various portions of the standards were presented and critiqued. Overall, I was impressed by the proposed changes as well as the candid criticism of the current standards and the K-12 education process. Our next meeting will be in September. A summary of the process was released by OED and is given below. One can learn more by visiting the websites listed below. If anyone has specific input they want given at the September review meeting, please contact me via my above email address.

Science Standards Revision Process Moves Forward

The Ohio Academic Content Standards in Science revision process is moving forward to make Ohio's science standards more accessible and manageable for educators, to ensure alignment with both national and international standards, and to contribute to student success in today's global environment.

ODE's science team is actively seeking feedback during the standards revision process. The team met with 50 teachers and curriculum directors in June, convened an advisory group of representatives from science-related professional organizations in July, and established and held the first of several meetings with a working group of teachers, educators and university faculty.

All three groups were introduced to the innovative approach the revised standards will take as a dynamic, Web-based document, with care taken to ensure science content is accurate, grade-level appropriate and accessible. Ongoing reviews are planned.

The revision process has been driven by feedback from the field since 2002 and analyses of standards from countries that consistently outperform the U.S. on international tests. Overall, it has been clear that Ohio's content standards and benchmarks are on target and the current emphasis on the learning cycle and inquiry-based instruction are appropriate and need continuous reinforcement.

Ohio educators consistently point out how integrating disciplines is difficult for teachers, indicators lead to perpetuating a mile-wide, inch-deep curriculum, and topics within and across disciplines lack coherence. In addition, Ohio educators feel there is little attention to learning progressions and how a discipline builds.

This feedback has led to reframing the presentation of the content standards to reinforce connections and learning progressions. It also has led to the elimination of indicators and to the integration of the three process standards – science and technology, scientific inquiry, and scientific ways of knowing – into the discipline standards as they cannot be taught without an understanding of content depth. This integration is consistent with research findings that show most countries organize their standards by overarching ideas or themes with clear and concise content knowledge statements.

At its foundation, the science standards revision will solidify content statements that reflect the core knowledge and fundamental principles of each discipline. Organized by themes and topics, these statements will indicate what should be taught at each grade level and reflect content expectations in both national and international documents. The innovative component of the revision process is the approach to the model curricula, indicating how content may be taught to provide quality instruction for all students.

There will be another round of feedback from the online survey after it closes on August 14th. Please encourage your constituencies to look at the ODE web site (www.ode.ohio.gov) and click on “Comment now on the standards revision process” and take advantage of the opportunity to provide input on the PowerPoints from science as well as English language arts, mathematics, and social studies. In November, a draft of the Science standards document will be posted on the Ohio Department of Education’s Web site for focus group discussions and education stakeholder feedback. Until then, for more information about the science standards revision process, please contact constance.barsky@ode.state.oh.us or visit the Ohio Department of Education’s Web site at education.ohio.gov and search keyword revision.

WOMEN AND ACS NATIONAL AWARDS

By Eric C. Bigham, Ph.D.

Chair, ACS Board Committee on Grants and Awards

Editor’s Note: The following is the text of a letter sent by Dr. Bigham to ACS Local Section Chairs.

The American Chemical Society annually presents 55 national awards to individuals who have made outstanding contributions to the fields of chemistry and chemical engineering. However, very few women are nominated or selected as recipients of those awards. There were 10 women who received ACS awards in 2007, 12 in 2008, and 12 in 2009. The fraction of awards granted to women is below their representation in the Society, 22%. As chair of the Board Committee on Grants and Awards, I am writing you to ask for your help in recognizing the exceptional efforts of female chemical scientists.

As chair of a Local Section, you might be aware of the significant advances made to the field of chemistry by women in your Section. Please take the time to review the list of ACS awards (www.acs.org/awards) and nominate women for appropriate awards. Nominations for the 2011 awards are due **November 1, 2009**. I encourage you to submit your nomination package as early as possible.

Any individual, except a member of the Award Selection Committee or a Board member during their terms of service on the Board, may nominate an individual for an award. A nomination form is available at www.acs.org/awards along with directions for completing the form. Seconding letters from individuals who know the research of the nominee should be included in the nomination package. Nomination packages will be retained on file for three award-years, and are automatically reconsidered by the Award Selection Committees for two award-years after the initial submission.

If you require additional information, please contact **Felicia Dixon** in the Awards Office at (202) 872-6283 or send your questions to awards@acs.org. Don’t let the outstanding efforts made by women go unnoticed by the chemistry community. Help the Society recognize those individuals who have made a difference! Thank you for your efforts.

NOMINATIONS: RICHARDS MEDAL AWARD

Nominations are invited for the **2010 Theodore William Richards Medal Award** for conspicuous achievement in any area of chemistry. The Northeastern Section of the American Chemical Society awards the Richards Medal, honoring America’s first chemistry Nobel laureate, every two years.

The medal was last presented in 2008 to **Robert G. Bergman**, Department of Chemistry, University of California at Berkeley. The next presentation will be made in March of 2010.

A nomination package consists of a brief curriculum vitae, a list of up to twenty citations for key publications, and a clear and concise nomination letter outlining the nominee's "conspicuous achievements in chemistry." These materials must be submitted electronically in a single Adobe® PDF file format to Professor Roy G. Gordon, Department of Chemistry, Harvard University, Cambridge, MA 02138, gordon@chemistry.harvard.edu. Nominations must be received by November 1, 2009. For additional information contact: Roy G. Gordon, at the above e-mail address, or phone 617-495-4017; fax: 617-495-4723.

WELCOME NEW MEMBERS!

By George Noethlich

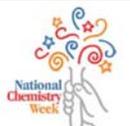
Please join us in welcoming the following new members who have joined the Section recently. The Columbus Section cordially invites new members to our monthly meetings. The Section will pay for new members' meals the first time they attend a meeting.

Martha Baskett
Taylor Carter
Michael C. Davis
Li-Hai Fan

George W. Fels
Karen Gilmore
Maureen Langlois
Paula Puomi

Andrew Phillip Riley
Joseph P. Schaller
Saju Varghese
Dieter Gerard von Deak

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2009	October	18-24	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>Chemistry--It's Elemental!</i>
2009	October	16	Fri	Ohio Statehouse	Silver Circle Group—Geological Tour of the Ohio Statehouse
2009	October	20	Tue	Chemical Abstracts Service	Monthly Section meeting with Professor Joseph Francisco , President-Elect of ACS.
2009	October	23	Fri	Here, There, Everywhere!	 6:02 AM – 6:02 PM: International Mole Day, in honor of Avogadro's Number. This year's theme is <i>Molar Express</i> .
2009	October	24	Sat	Columbus Metropolitan Library Main Branch, 96 South Grant Avenue	National Chemistry Week "demonstrations," 10:30AM – 4:30 PM. Volunteers are needed; please contact Professor John Blaha at 614.287.5930 or jblaha@cscce.edu for more details.
2010	March	21-25	Sun-Thu	San Francisco, CA	239 th ACS National Meeting and Exposition
2010	June	16-19	Wed-Sat	Dayton Convention Center and Crown Plaza Hotel., Dayton, OH	CeRMACS 2010 (Central Regional ACS Meeting)
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> .

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2010	October	23	Sat	Here, There, Everywhere!	 6:02 AM – 6:02 PM: International Mole Day, in honor of Avogadro's Number.
2011	Jan-Dec				 <i>International Year of Chemistry. See details in the March, 2009 issue of The Chemical Record.</i>

COLUMBUS SECTION 2010 MONTHLY MEETINGS
By Steven Rosenthal, Chair-Elect

February	Speaker from Nestlé at Columbus State Community College	September	TBA
March	Speaker from Abbott	October	ACS President-elect at CAS with presentation of Fifty year member certificates and High School Chemistry Teacher Award and National Chemistry Week
April	<i>Chemists Celebrate Earth Day Activities</i>	November	TBA
May	Columbus Section Award at Ohio Dominican University	December	ACS-AIChE Joint Meeting and New Year's Eve Party to mark the start of the International Year of Chemistry
June	Patterson-Crane Award at Dayton to be held in conjunction with CERMACS 2010		

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

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