



Chemical Bond

Volume 60
Number 6
November 2008

St. Louis Section, American Chemical Society

**2008 Boy Scout Chemistry Merit
Badge Clinic**



Thirty-eight Boy Scouts from the Metro area participated in the 2008 Chemistry Merit Badge Clinic, held on September 20th at the Jost Chemical Company. This was the fourth CMB clinic presented by St. Louis Section volunteers. Thanks to Jost and everyone involved!

**The Department of Chemistry and
Biochemistry
University of Missouri-St. Louis**



announces
**The Twelfth Annual
Robert W. Murray
Lecture**

Dr. Philip P. Power

Professor of Inorganic
Chemistry at the
University of
California-Davis

“Direct Hydrogenation of Main Group Compounds”

Friday December 5, 2008

Lecture at 3:30 pm in 451 Benton Hall.
Reception 3:00 adjacent to the Lecture Theater

There will be a post-lecture reception in the Alumni Center.
All are welcome!

The Robert W. Murray Lectureship was established in 1996, and inaugurated in 1998 as an endowed lecture series, through the kind contributions of family, friends, former students, colleagues of Dr Murray, and alumni. The Lectureship honors the distinguished research career and the many contributions to the University of Missouri-St. Louis over more than 30 years of Professor Robert W. Murray, Curators' Professor Emeritus.

Parking is available in the West Drive Parking Garage

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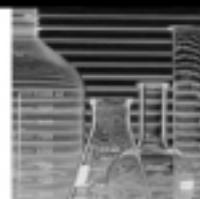
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Meetings & Seminars

St. Louis University

Nov. 14 David Giedroc, Department of Chemistry, Indiana University
Title: Metal Sensing Transcriptional Regulators from Pathogenic Bacteria:
Structure and Mechanism (4:15 start)

Dec. 5 Sam Butcher, Department of Biochemistry, University of Wisconsin -
Madison Title: TBA (4:15 start)

Michael Lewis, Ph.D., Assistant Professor
Department of Chemistry, Saint Louis University
3501 Laclede Avenue
Saint Louis, Missouri 63103

314-977-2853 LewisM5@slu.edu

Department of Chemistry & Biochemistry University of Missouri-St. Louis Colloquia – November 2008

Monday November 3 Michael Morse The University of Utah
“Laser Spectroscopy of Transition Metal Carbides and Organometallic
Radicals”

Monday November 10 Carol Fierke University of Michigan
“Catalytic Mechanism and Metal Switching in Deacetylases (LpxC and
HDAC)”

Monday November 17 Lai-Xi Wang University of Maryland School of
Medicine
“Chemoenzymatic synthesis of homogeneous glycoproteins”

Monday November 24 Holiday break

Please check the website at <http://www.umsl.edu/chemistry>

Coffee: 3:45 PM Room 451 Benton Hall Seminar: 4:00 PM



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St. Louis Section—ACS Board of Directors meets on the second Thursday of each month, at the Glen Echo Country Club (map available on website). Meetings are open to all members, and all are encouraged to attend. Elected officers and chairs of major committees have the right to vote; others in attendance have voice but no vote. If you want to attend the dinner, please contact Keith Stine, (314) 516-5346, kstine@umsl.edu at least one week prior to the meeting date. The cost of dinner is \$24. Members wishing to become active in section activities are welcomed to their first dinner for free, compliments of the section.

Date: Nov 13
Social hour: 5:30 pm
Dinner: 6:30 pm
Business Meeting will start during dinner.

St Louis Award

You have not missed the call for nominations for the St Louis Award. To better distribute events through the calendar, starting in 2009, the St Louis Award seminar and banquet have been moved from spring to the fall. So please look for the call for nominations for the 2009 St Louis Award in the next few months.

Continuity Dinner 2008
Thursday, December 11th, 2008
C.J. Muggs
101 West Lockwood
Webster Groves, MO 63119

Every December, the St. Louis Section of the ACS holds a fancier than average board meeting to celebrate the year's achievements, recognize certain members, and pass the gavel to the new slate of section officers. There is also the Henry Godt Memorial Lecture (recapping the past year), which is always a surprise. This year the local section will be voting on by-law amendments during the general meeting that occurs prior to the board meeting and dinner.

Please join us to celebrate. The evening will begin with a social hour and open bar (beer, wine and soft drinks) at 5:30 p.m. Dinner will be served at 6:30 and the meeting will begin during dinner. Cost is \$27.00 per person. Please send in payment and the reservation form below by December 1, 2008 to Samir El-Altably.

Continuity Night Reservation Form

Member Name: _____

Number attending _____ x \$27 =

Amount remitted _____

Steak _____ or Fish_____ (Indicate choices)

Reservations must be received by **December 8th**.

Please make your check payable to: *St. Louis Section-ACS*
and mail to:

Dr. Samir El-Altably
Camela Medical Equipment
P.O. Box 50168
St. Louis, MO 63105
(314) 664-5522

Chemistry Is pHun

"Chemistry is pHun" is an outreach program geared for elementary school children. Sheryl Loux and Ted Gast have volunteered to take over running the program. About 40 programs were given in a school year mainly to the Rockwood School District and including various Catholic schools. One program focuses on "States of Matter", a Rockwood School District required curriculum, and the other on general chemistry. In the past with Marie Sherman of Ursuline Academy at the helm, demonstrations with varying levels of student participation kept the interest of students focussed. Sheryl has obtained some program materials from Marie and is working on writing the programs electronically over the summer. A DVD of Marie's "Chemistry is pHun" program is available. The programs are done during the school day. With inquiries from Parkway and other school districts at the end of the 2007-2008 school year, there is an opportunity for even greater impact at the elementary level if another major outreach volunteer can help.

Some practice and supplies will be necessary in late August or early September. If you enjoy children, are interested in chemistry education, and want to have an impact, please volunteer or make a sustaining contribution of \$25.00 or more by contacting Sheryl Loux at 636-237-5149 (sjloux@gmail.com).



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Program Committee

This is the third article in a series of six articles which describe the activities of each of the major committees of the St. Louis Section of the American Chemical Society. The Program Committee consists of the General Topics committee chair who organizes the general meetings of the St. Louis Section, the St. Louis Award Symposium chair who organizes the symposium for the St. Louis Award winner each year, and topical/discussion group chairs for the Education Topical Group, the Mass Spectrometry Discussion Group and the NMR Discussion Group.

The General Topics Committee Chair is responsible for organizing general meetings of the St. Louis Section. These meetings are usually on topics that are appropriate for a broad audience (Chemistry of Chocolate, etc.) and are usually very well attended. These meetings give the section members a chance to learn interesting chemical information while also providing a social gathering for meeting other section members. If you would like to learn more about the general meetings or help in the organizing of these meetings, please contact Greg Wall (gwall37@msn.com). All general meetings are advertised in the Chemical Bond at least one month prior to the event.

The Midwest Mass Spectrometry Discussion Group is sponsored by the ACS and industrial partners. It meets periodically throughout the year, providing a forum for discussion of mass spectrometry and its application. A 45-minute seminar followed by a 15-minute discussion is the usual format. Speakers are drawn from a variety of fields in industry, academia, and government. The meetings are usually held at Washington University. In the summer, a poster session is held after the ASMS conference so that local people who could not attend are able to see what their colleagues presented at the national meeting. Refreshments are served at all of the meetings. If you would like to learn more about the group, contact Henry Rohrs (314 935-8164, rohrs@wustl.edu).

The ACS High School Topical Group is composed of high school teachers who teach chemistry and/or physical science. Every meeting is centered around a specific topic where teachers are able to share teaching strategies, demonstrations, laboratory activities and other information pertaining to the topic. The meetings are held at local high schools or colleges approximately five times a school year. If you would like to learn more about the group, please contact Sandi Mueller (smueller@jburroughs.org).

The Saint Louis NMR Discussion Group has seminars about 6 times per year. The topics cover a wide range of magnetic resonance issues:solid-state, solution-state, imaging, and exotica. Many of the speakers are brought in from out of town, and some are from the STL area. The meetings are usually in Physics or Chemistry at Washington University, spread throughout the academic year; typical audiences number 30-35.Seminars are announced both by mailed flyers and by email. To be included on the mail/email lists or if you have a speaker to suggest, please contact Mark Conradi at 935-6418 (leave message) or msc@wuphys.wustl.edu.

In Memoriam

from C&E News:

Joseph R. Darby, 96, a retired Monsanto research chemist, died on July 22 after a brief illness.

Born in Boonville, Mo., Darby earned a B.S. in chemistry in 1933 from St. Louis University. He then joined Monsanto, where he conducted research on plasticizers for 43 years. While at the company, he organized and led the “Darby College” technical sales training program and traveled around the world presenting technical seminars.

Darby authored or coauthored 26 technical articles on plastics and plasticizers and held 33 patents. He also coauthored the textbook “The Technology of Plasticizers,” for which he received the Society of Plastics Engineers 1983 Vinyl Division Contribution in Vinyl Plastics Award.

He was an active member of the Vinyl Division of the Society of Plastics Engineers (SPE), where he was appointed as a fellow in 1985. He was an emeritus member of ACS, which he joined in 1936. After retirement, he consulted for the plastics industry for 27 years.

The St. Louis Local Section recognized him as a 75-year member of the American Chemical Society at a banquet in March of 2008.

Darby is survived by his children, Tim, Dennis, Chris, Kevin, Joan Dougherty, and Debbie Waters; 14 grandchildren; and nine great-grandchildren. Lois, Darby’s wife of 50 years, died in 2001.



2009 St. Louis Chemical Science and Technology Award

Call for Nominations

The St. Louis Chemical Science and Technology Award will be presented to a chemist in the St. Louis area who has demonstrated a high degree of professionalism and scientific contribution. Criteria used to judge the award include technical proficiency, presentations, coaching/teamwork and additional professional activities. The award will consist of a plaque, a check for \$500.00 and dinner for the awardee and a guest at the annual Awards Night event, which will be held in April of 2009.

This award will be presented to a person whose training includes successful completion of an Associate, Bachelor or Masters Degree in a chemistry or chemistry-related curriculum.

Letters of nomination must be received by H. Peter Kleine, Pfizer Corp., mail code BB2K, 700 Chesterfield Parkway West, Chesterfield, MO 63017 by January 31, 2009. Nominations, including seconding letters, must not exceed six pages. The nominating letters should address the criteria above. A current work address, phone number and fax number must be provided for each nominee. Please include an e-mail address.

Nominees need not be a St. Louis Section member to be eligible for this award. This award is administered by the St. Louis Section of the American Chemical Society (ACS).

**For more information contact H. Peter Kleine, 636-247-6414
FAX 636-247-0966 h.peter.kleine@pfizer.com**

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