



Chemical Bond

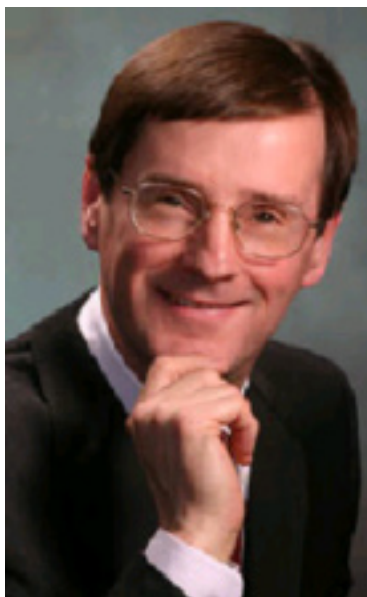
**Volume 59
Number 2
March 2008**

St. Louis Section, American Chemical Society

THINK SPRING!



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



**The Eleventh Annual
Robert W. Murray Lecture**

Dr. William R. Roush

**Executive Director, Medicinal
Chemistry
Associate Dean, Kellogg Graduate
School
Professor of Chemistry, Scripps,
Florida**

*Recent Studies in Organic Synthesis:
Applications of the Double Allylbo-
ration Reaction in the Synthesis of
Natural Products*

Monday, March 17, 2008

**Lecture at 4:00 pm in 451 Benton Hall.
Reception 3:30 adjacent to the Lecture Theater.
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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*Correspondenc, letters to the Editor etc., should be sent to
St. Louis Section-American Chemical Society
125 West Arginne Drive, St. Louis, MO 63122*

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Meetings & Seminars

Washington University
Department of Chemistry

Thursday March 6
4:00 pm
311 McMillen

TBA
John F. Valiant
McMaster University
Department of Chemistry and Medi-
cal Physics

Tuesday March 11
4:00 pm
311 McMillen
host: T. Kappock

TBA
John P. Richard
University at Buffalo
Department of Chemistry

Thursday March 20
4:00 pm
TBA
host: G. Jensen

TBA (joint with Mathematics)
Troy Story
Morehouse College
Department of Chemistry

SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

The SIUE Department of Chemistry
and the Chemistry Club announce the
32nd Annual William J. Probst Memorial Lecture

Dr. C. Dale Poulter

Department of Chemistry, University of Utah

Tuesday, March 25, 2008

**“The Terpenome. A Cornucopia of Natural
Molecules for Life, Health, and Commerce”**

7:00 pm Meridian Ballroom, Morris University

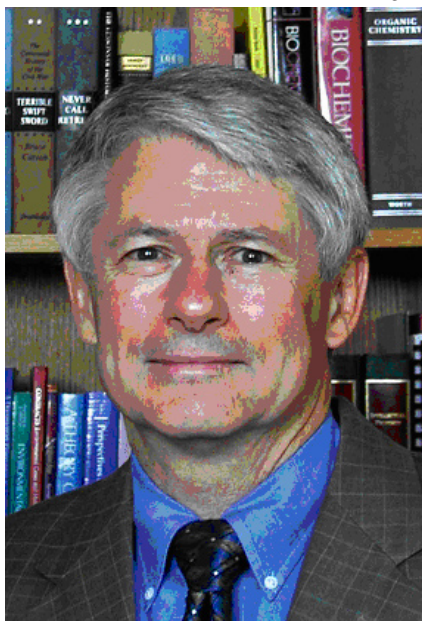
Additional Probst Lecture:

“Isopentenyl Diphosphate
Isomerase: Two Enzymes
for One Reaction”

**2:00-3:00pm Tuesday,
March 25, 2008, Science
Building Rm. 3114**

Student Research Symposium

**Tuesday, March 25, 2008
3:30 p.m. Meridian
Ballroom,
Morris University Center**



*Funded in Part By:
Sigma-Aldrich Corporation,
SIUE Office of the Provost,
College of Arts & Sciences,*



For further information contact the SIUE Department of Chemistry at (618) 650-2042



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

- Monday** **Patrick Kinlen**
March 3 **Crosslink**
 “Ultra-flexible Electroluminescent Systems for
 Both Visible and Near-infrared”
- Monday** **Patrick Walsh**
March 10 **University of Pennsylvania**
 “Asymmetric C-C and C-O Bond-Forming
 Reactions”
- Monday** **Robert W. Murray Lecture**
March 17 **William R. Roush**
 Scripps, Florida
 “Recent Studies in Organic Synthesis:
 Applications of the Double Allylboration Reac-
 tion in the Syntheses of Natural Products”
- Monday** **Spring Break**
March 24
- Monday** **Luis Echegoyen**
March 31 **N S F**
 To be announced

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

Coffee: 3:45 PM
Benton Hall

Room 451
Seminar: 4:00 PM



ST. LOUIS SECTION PICNIC

announcing a
Member Picnic
Saturday June 14, 2008
Location: Tower Grove Park
Old Playground Shelter
Time: 12:00 Noon

It's cold now, but Spring is coming!
Section Picnic Sponsored by the St. Louis Section ACS
Bring the family! Enjoy food, friends and spring weather.
Just \$5 per person. Kids under 12 free.

Questions & Reservations by June 6th, please

Contact: Steve Kinsley-(kinsley@wuchem.wustl.edu)
Washington University
Department of Chemistry
Campus Box 1134
One Brookings Drive
St Louis, MO 63130-4481
phone: (314) 935-9401

MARCUS AWARD COMPETITION SLATED AT SLU

The 2008 Leopold Marcus Award competition will be held Wednesday, April 16 at 4:00 p.m. in Room 171 of Busch Student Center on the campus of Saint Louis University.

The Leopold Marcus Award was established by the late Jack and Gertrude Marcus in memory of his father. It is administered by the Department of Chemistry at Saint Louis University and the St. Louis Section of the American Chemical Society.

The competition consists of presentations based on the undergraduate research projects of senior chemistry majors at Saint Louis University. The candidates, chosen by the faculty, will be making fifteen-minute presentations.

The winner of the award is determined by vote of the professional chemists in the audience. All ACS members are invited to attend. Refreshments will be available after the competition.

For further information, contact Bruce Kowert at (314) 977-2837 or kowertba@slu.edu.

Positions open: Summer school organic chemistry instructor, NMR research

The Department of Chemistry and the Summer School of Arts and Sciences are seeking applications for the position of instructor who will be responsible for teaching undergraduate organic chemistry during the summer. The Summer School courses use the same syllabus and text as the courses taught in the regular day school and the material is presented at a level consistent with Washington University's academic year standards. The two courses meet five times each week for an hour and forty-five minutes, over two five-week semesters between mid-June and mid-August.

An A. M. or Ph.D. in Chemistry or Biochemistry is required. This position is available beginning in June 2008. Candidates interested in applying should send a resume emphasizing prior teaching experience to:

E. A. Hiss
Department of Chemistry
Campus Box 1134
Washington University
One Brookings Dr., St. Louis, MO 63130

Magnetic Resonance Research Position

An opportunity exists at Washington University in St Louis for a highly motivated individual to pursue in-vivo ³¹P NMR studies of plants. The ideal candidate will have experience in NMR spectroscopy and training in the physical/engineering sciences or biology. Applicants with a PhD/DSc are preferred but experienced candidates with a BS/BA or MS/MA will be considered. This position is available immediately and is for one year with the possibility of extension for a second year. Candidates should send a resume and letters of reference to:

Andre d'Avignon, Department of Chemistry
Campus Box 1134, Washington University,
One Brookings Drive
St Louis, MO 63130

Email inquiries and submissions are encouraged and should be directed to:
davignon@wustl.edu.
EOE / AA.

Science Fair Call for Judges

Science Fair season is almost upon us, and so is another opportunity for you to encourage an understanding of good science by participating as a Science Fair judge. Members of the ACS St. Louis Section are needed as judges to evaluate chemistry projects for special awards at regional science fairs in the greater St. Louis area. High School and Junior High winners receive prizes from the section (science books and more), while all elementary school participants with chemistry related projects receive participation ribbons.

Judging times for 2008 are as follows:

Illinois Junior Academy of Science Region 12 Science Fair at SIU-Edwardsville on Saturday, March 22, 2008. Judging starts at 10:00 am and concludes by 12:00 noon.

St Charles/Lincoln County Science and Engineering Fair at St Charles Community College on Saturday, April 12, 2008. Judging starts at 9:00 a.m.

Greater St Louis Elementary Science Fair at Queeny Park on Monday, May 5, 2008. We will distribute participation ribbons to entrants with chemistry projects beginning at 6:00 pm.

Greater St Louis Secondary Science Fair at Queeny Park on Thursday, May 8, 2008. Judging starts at 6:00 pm.

Interested in judging? Please contact John Kauffman
phone: (573) 356-1142
e-mail: kauffmanj@centurytel.net
or John.Kauffman@fda.hhs.gov

Chemical Progress Week 2008

Please send reservations to:

Samir El-Antably

P. O. Box 50168

Saint Louis, MO 63105

(314) 664-5522

Make checks payable to:

Saint Louis Section – ACS

Please make your reservations by April 14

Awards Night Dinner Reservation

Date: Monday, April 21

Location: Kemoll's

5:30 pm Cocktails, 6:30 pm Dinner, 7:30 pm Program

Name _____

Number attending x \$25 = Amount Remitted

Saint Louis Award Banquet Reservation

Date: Saturday, April 26

Location: Kemoll's

6:00 pm Cocktails, 7:00 pm Dinner, 8:00 pm Program

Name _____

Number attending x \$55 = Amount remitted

ACS ST. LOUIS SECTION
Undergraduate Research Symposium

University of Missouri-St. Louis
Department of Chemistry and Biochemistry
325 Benton Hall
Friday, April 18, 2008 3:00-5:00 PM

Who is eligible?

All undergraduate researchers in the St. Louis ACS section
Presentation Type: Research Poster
Refreshments provided, gifts (swag) to all
undergraduate participants
Please submit intent with poster titles by April 11 to:

Michael R. Nichols, PhD
Assistant Professor, UM-St. Louis
nicholsmic@umsl.edu, 314-516-7345

Recognition Night 2008

Saturday March 29, 2008

La Bonne Bouchée

12344 Olive Boulevard; west of I-270 in the Westgate Shopping Center

St. Louis, MO 63141

(314) 576-6606

Come for an enjoyable evening. Spouses welcome!

Please join us to celebrate and honor members who have helped make this section great. We will have a presentation of the Distinguished Service Award and the Past Chair address, among other things. Cost is \$26.00 per person. Please send in payment and the reservation form below by March 26th to Samir El-Antably.

Recognition Night Reservation Form

Member Name: _____

Number attending _____ x \$26 =

Amount remitted _____

Dinner will feature a choice of trout, chicken breast, or steak; please indicate choices below for those attending:

Trout _____ Chicken Breast _____ Steak _____

Reservations must be received by March 26, 2008.

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

Dr. Samir El-Antably
Camela Medical Equipment Co.
P.O. Box 50168
St. Louis, MO 63105

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ETC....

Greetings from your new\* Chemical Bond Editor!

\* new to the realm of desktop publishing, that is. I am looking forward to providing you with Local Section news and issues. I thank you in advance for your support and contributions.

Regards,  
Sue Dudek

## Chemical Progress Week 2008 Scedule of Events

Friday, April 18:

### **Undergraduate Research Symposium**

University of Missouri – Saint Louis, Benton Hall 3pm -5pm

Mike Nichols (email: nicholsmic@umsl.edu, 314-516-7345)

or Eike Bauer (email : bauere@umsl.edu, 314-516-5340)

Monday, April 21:

### **Awards Night**

Honors winners of the:

High School Chemisrty Contest

Leopold Marcus Award

High School Teaching Award

Chemical Science & Technology Award

Outstanding Junior Chemistry Students at area colleges and universities

Kemoll's Restaurant, One Metropolitan Square, St. Louis

\$25.00/person

5:30 pm - Social Hour

6:30 pm - Dinner

7:30 pm - Program

Contact: Samir El-Antably (314-664-5522)

Tuesday, April 22:

### **ADACIOM Luncheon**

Sunset Country Club

Speaker: TBA

Contact: Jane Benet<sup>?</sup> (jane@drumtechus.com)

Friday, April 25:

### **Saint Louis Award Symposium**

TBA

Saturday, April 26:

### **Saint Louis Award Banquet**

Honoring the recipient of the 2008 Saint Louis Award

(winner TBA)

Kemoll's Restaurant, One Metropolitan Square, St. Louis

\$55.00/person

6:00 pm - Cocktails

7:00 pm - Banquet

8:00 pm - Program

Contact Samir El-Antably (314-664-5522)

# St. Louis Section American Chemical Society ACS 2008 Midwest Award

Dear Local Section Colleagues:

As the Midwest Award Chair for the St. Louis Section of the American Chemical Society, I solicit your assistance in identifying candidates for the ACS 2008 Midwest Award. The St. Louis Section of the ACS established the ACS Midwest Award in 1944 to recognize publicly outstanding achievements made in chemistry by an individual in the Midwest region. The award is conferred annually on a scientist who has made meritorious contributions to the advancement of pure or applied chemistry, chemical education, and the profession of chemistry. These contributions must have been made during a period of residence in the geographic area defined by the territories of the Local Sections that participate in the Midwest Regional Meeting of the ACS (this includes Local Sections in Missouri, Arkansas, Iowa, Nebraska, Kansas, Southern Illinois, and South Dakota). Neither the nominee nor the nominator need be a member of the ACS, nor do they need to reside in the Midwest Region currently. Nominees can be from industry, academia, government, or private practice. The 2008 ACS Midwest Regional Award will be presented at the 43rd Midwest Regional Meeting to be held in Kearney, Nebraska, October 8-10, 2008. The ceremonies on October 9 will feature the Midwest Award Lecture, a dinner honoring all Awardees, and the presentation of the Award which consists of a Medallion and a cash honorarium. Participation in all of these ceremonies on October 9 is a condition of the Award.

Nominations should include a nominating letter, two or more seconding letters, a curriculum vita, a brief biography, and documented and objective information regarding the outstanding achievements of the nominee. If the nominee is an academician, a list of persons who have received advanced degrees under his or her direction should be included. As indicated above, to be eligible, a nominee's cited work must have been performed while he or she was residing within the Midwest Region of the ACS.

Please submit nine copies of all nomination materials to me at the address, given below. All nomination materials in regular (hardcopy) paper format must be received on or before the deadline of March 31, 2008.

Professor James J. O'Brien,  
ACS Midwest Award Chair  
Department of Chemistry and Biochemistry  
University of Missouri - St. Louis,  
One University Boulevard,  
St. Louis, MO 63121

Please note that (just as in the last two year), hardcopy letters that solicit nominations for this Award will not be sent to various organizations, companies or universities in the ACS Midwest Region. We again hope this form of advertisement of the Award is successful.

If you have any questions, please contact me by e-mail at [obrien@jinx.umsl.edu](mailto:obrien@jinx.umsl.edu) or by telephone at (314) 516-5717 (O), or (314) 516-7023 (L).

Thank you for your assistance.  
Sincerely,  
Jim O'Brien

