



# Chemical Bond

Volume 57  
Number 2  
February 2006

St. Louis Section, American Chemical Society

“In this time of budget cuts, we cannot forget that basic science is a building block for scientific innovation and economic growth in the information age.

-Timothy H. Bishop  
(Democrat, Representative for New York’s 1st District)



## 2006 Proposed Budget

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



***The Ninth Annual  
Robert W. Murray  
Lecture  
Fredric M. Menger***

**Charles Howard Candler Professor  
of Organic Chemistry  
at Emory University**

**will speak on:**

***An Alternative View of Enzyme Action***

**Monday, March 6, 2006**

**Lecture at 4:00 pm in 104 Stadler Hall.**

**Reception 3:15 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.

# Chemical Bond

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# Meeting & Seminars

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## *Board of Directors*

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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 Alexa Serfis (barnoski@slu.edu) at least one week prior to the meeting date. The cost of dinner is \$18. Members wishing to become active in section activities are welcomed to their first dinner for free, compliments of the section.

**Date:** February 9

**Social hour:** 5:30 pm

**Dinner:** 6:30 pm

Business Meeting will start during dinner.

Future meetings: March 9, April 13, May 11

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## *NMR Discussion Group*

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The NMR group has an email listserv. To join, send email to sarahj@wustl.edu with “subscribe NMR Discussion Group” in the subject line. The schedule is also posted on-line at:

<http://www.chemistry.wustl.edu/seminars.stlnmr.html>.

For more information contact:

Mark Conradi (Physics) at 935-6418 or msc@wuphys.wustl.edu

Joel Garbow (Radiology & Chem) 362-9949 or garbow@wustl.edu

Sophia Hayes (Chemistry) at 935-4624 or hayes@wustl.edu

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## *University of Missouri- St. Louis*

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Seminars are held on Mondays at 4:00 pm in Room 451 Benton Hall unless otherwise specified. Refreshments 15 minutes prior to seminar time. Please check the website at: <http://www.umsl.edu/chemistry>.

February 6

**Maria Nagan**

Truman State University  
*Computational Studies to  
Understand RNA Recognition*

February 13

**Raven Huang**

University of Illinois  
*TBA*

February 20

**Ganesaratnam Balendiran**

University of California-LA  
*TBA*

February 27

**Paul Sharp**

University of MO-Columbia  
*Organometallic Chemistry at  
the Edge of Polycyclic Aromatic  
Carbon Compounds*

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## *Chemical Progress Week*

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Monday, April 17

Awards Night Banquet

Tuesday, April 18

Adaciom Luncheon

Friday, April 21

St. Louis Award Symposium

Banquet follows on Sat. evening

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# Invention To Venture: Technology Based Start-Up Companies

Presented by Sadiq Shah, Ph.D., Director, Western Illinois Entrepreneurship Center from 9:30 am to 11:30 am (refreshments immediately following) on Saturday, **February 18**, 2006 Washington University, Lab Science Building Room 250

RSVP to Lisa Balbes at [lisa@balbes.com](mailto:lisa@balbes.com) or 314-966-5298 so we will have enough food!

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## ACS/AIChE Joint Meeting

ACS St. Louis Local Section will be holding a joint meeting with the American Institute of Chemical Engineers (AIChE) local section. The meeting will be held on Wednesday, **February 15th** at the Sigma-Aldrich Research facility. Dr. Shelley Minter from Saint Louis University will give a presentation titled "Bio-Inspired Power Supplies" at 6:30 p.m. A reception will immediately follow the presentation.

For more information, contact Alexa Serfis at [BARNOSKI@SLU.EDU](mailto:BARNOSKI@SLU.EDU)



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*from p. 7 of November 2005*

# Saint Louis University Announces the Annual Sigma-Aldrich Lectures:

The Sigma-Aldrich lectures will be given by Professor Dennis Dougherty, the George Grant Hoag Professor of Chemistry in the Division of Chemistry and Chemical Engineering at the California Institute of Technology.

On Thursday, **February 9** at 4:30 pm in Tegeler Hall Auditorium on the SLU campus, he will present the first seminar, titled "Chemical-Scale Studies of the Nicotine Receptor."

On Friday, **February 10** at 10:00 am at Sigma-Aldrich Research Center he will present the second seminar, titled "New Tools to Study Channels, Receptors, and other Membrane Proteins."

Please contact Dr. Mike Lewis (Saint Louis University) for more information at [lewism5@slu.edu](mailto:lewism5@slu.edu)

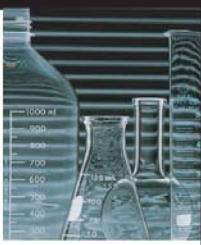
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## Marcus Award Competition Slated for SLU

The 2006 Leopold Marcus Award competition will be held Wednesday, April 12 at 4:00pm on the campus of St. Louis University. 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 winner of the award is determined by vote of the professional chemists in the audience. All ACS members are invited to attend. The room in which the competition will be held has yet to be determined but will be noted in the March Bond. For further information, contact Bruce Kowert at (314) 977-2837 or [kowertba@slu.edu](mailto:kowertba@slu.edu).

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## St. Louis Section – American Chemical Society Proposed Budget 2006

GENERAL FUNDS                      Approved

### INCOME

Affiliate Dues	50.00
Corporate Donations	3,000.00
Dividends	45.00
Member Dues	10,000.00
National ACS Allotment	13,492.00
New Member	0.00
<b>Total</b>	<b>26,587.00</b>

### EXPENSES

#### Officers

Chair	150.00
Chair Travel	1,500.00
Chair Elect	200.00
Chair Elect -Travel	500.00
Past Chair	100.00
Past Chair Travel	750.00
Secretary	1,000.00
Treasurer	100.00
<b>Sub Total</b>	<b>4,300.00</b>

#### Other Expenses

Board Meeting Expenses	500.00
Councilors' Travel	4,000.00
<b>Sub Total</b>	<b>4,500.00</b>

#### Awards Committee

College Student Awards	1,145.00
Distinguished Service	90.00
High Sch. Teaching Award	810.00

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Science Fairs	980.00
Chem/Sci/Tech Award	640.00
<b>Sub Total</b>	<b>3,665.00</b>

#### Education Committee

Career Awareness Fair	50.00
Career Day	750.00
Chemistry is Fun	500.00
HS Chem. Contest	1,500.00
Kids and Chemistry	400.00
TIE Workshop	450.00
UG Research Symp.	400.00
<b>Sub Total</b>	<b>4,050.00</b>

Professional Activities	900.00
Career Resources	
Government Affairs	
Media Response (SR)	
Minority Affairs	
New Members	
Women Chemists	



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YCC	
Historian	
Sub Total	900.00
Program Committee	
Educ. Topical Group	0.00
General Topics Group	1,000.00
Mass Sp. Disc. Group	1,000.00
NMR	1,000.00
Organic Chem.	100.00
Recognition Night	500.00
St. Louis Award Symp.	1,000.00
Midwest Award Symp.	600.00
Sub Total	5,200.00

Publicity and Public Relations	
Chemical Bond	2,500.00
Community Outreach	0.00
KWMU	0.00
News Media	0.00
Speaker's Bureau	0.00
Website	0.00
Sub Total	2,500.00

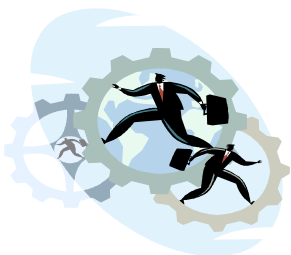
Special Events	
Awards Night Banq.	500.00
Chem. Progress Week	10.00
Continuity Dinner	400.00
Summer Picnic	200.00
National Chem. Week	1,000.00
Innovative Projects Grant	0.00
100th anniversary-St. Louis Section	
AICHE joint meeting	140.00
Sub Total	2,250.00

<b>Total Expenses</b>	<b>27,365.00</b>
<b>Total Income</b>	<b>26,587.00</b>
<b>NET</b>	<b>(778.00)</b>



## 23rd Annual Career Awareness Fair

There are only 3 months until the 23<sup>rd</sup> Annual Career Awareness Fair for City and County Public Schools 8<sup>th</sup> Grade Students, which will be held on May 2-3, 2006 in Halls 1 & 2 at the America's Center. This is your opportunity to help mold the lives of our future scientist. The Section has participated in over half of the Career Awareness Fairs and have been interviewed by approximately 10,000 students. It is never too early to volunteer for this program. To volunteer, contact Greg Wall by telephone at 800-325-5832 ext. 3139 or by e-mail at [gwall@sial.com](mailto:gwall@sial.com).



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# 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 2006 are as follows:

## **St. Charles-Lincoln County Regional Science and Engineering Fair**

Monday, March 13<sup>th</sup>, 6:00 pm at St. Charles Community College

## **Illinois Junior Academy of Science Region 12 Science Fair**

Saturday, March 25<sup>th</sup>, 9:30 am at SIU-Edwardsville

## **Greater St. Louis Science Fair**

Friday, April 7<sup>th</sup>, 6:00 pm at Greensfelder Pavilion at Queeny Park

**Interested in judging? Please contact Pat Burrell-Standley**

phone: (636) 537-8745

e-mail: [Standley@mvp.net](mailto:Standley@mvp.net)

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## **Call for Nominations for Midwest Regional Award**

The ACS Midwest Regional Award, established in 1944, recognizes outstanding achievement in chemistry done in the midwestern region of the United States. To be eligible, a nominee must have performed the cited work while residing within the Midwest Region of the ACS. (The nominee does not have to reside currently within the Region.) Nominations must include a nominating letter, two or more seconding letters, a curriculum vitae, a brief biography, and documented, 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. Please submit nine copies of all nomination material to:

Jim O'Brien, Chair  
Midwest Award Committee  
Dept. of Chemistry  
University of Missouri-St. Louis  
8001 Natural Bridge Road  
St. Louis, MO 63121-4499  
(314) 516-5717  
lbrien@jinx.umsl.edu

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*\*Nominations must be received on or before the deadline of March 31, 2006.*

# Recognition Night 2006

Saturday, March 11, 2006

Glen Echo Country Club

3401 Lucas and Hunt Road

St. Louis, MO 63121

(314) 383-1500

**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 \$25.00 per person. Please send in payment and the reservation form below by March 3rd to Samir El-Altably.

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## Recognition Night Reservation Form

Member name:

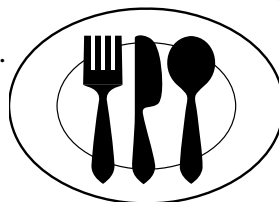
\_\_\_\_\_

Number attending \_\_\_\_\_ X \$25 = Amount remitted \_\_\_\_\_

Reservations must be received by **March 3, 2006.**

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

Dr. Samir El-Altably  
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