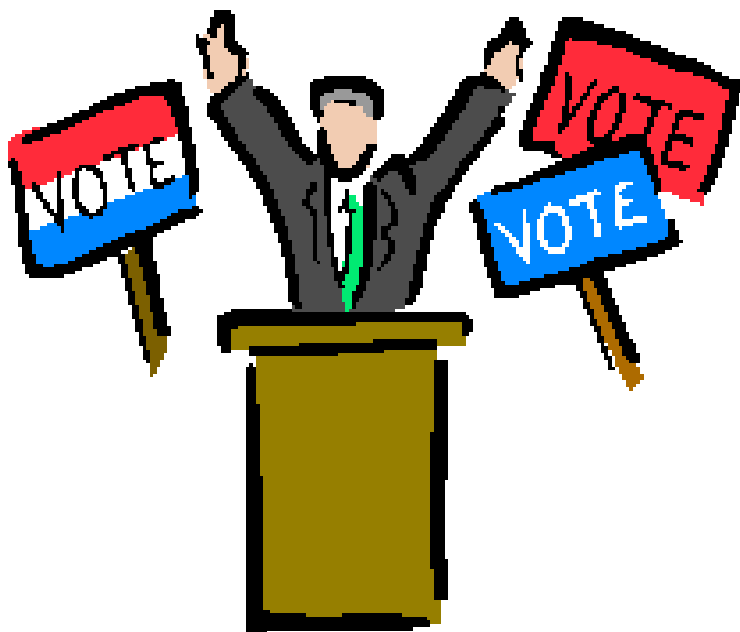




Chemical Bond

Volume 57
Number 7
October 2006

St. Louis Section, American Chemical Society



Cast your VOTE for the
2007 Officers!

The St. Louis Section of the American Chemical Society and the St. Louis Community College at Florissant Valley are pleased to announce the 2006:



Battle of the Burets

This contest, for high school chemistry students, will match teams from local high schools against one another in a test of titration speed and accuracy. Teams will be run in preliminary rounds with the winner of each round advancing to the championship. Trophies will be awarded to the preliminary round winners and the winning school.

The contest will be held **Monday, October 23th** on the Florissant Valley Campus of the St. Louis Community College. Come join us for a few hours of not too serious competition as we celebrate National Chemistry Week using one of the most basic techniques of analytical chemistry.

For more information on how to enter a team from your high school contact:

Bruce Ritts
314-290-4744
bruce_ritt@steris.com

Chemical Bond

Volume 57

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October, 2006

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Meeting & Seminars

Board of Directors

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: Oct. 12

Social hour: 5:30 pm

Dinner: 6:30 pm

Business Meeting will start during dinner.

Future meetings:

November 16, December 14

General Meeting of the Section

The Serious and Delirious Use of Chemistry in Movies

Thursday, November 9
Sigma Aldrich Life Sciences
Research Center

Presented by:
John Fortman
ACS Tour Speaker

Reception 6:30 - 7:15 pm
Talk 7:15 pm

Don't miss this event!

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University of Missouri- St. Louis

Seminars are held on Mondays
at 4:00 pm in Room 451 Benton Hall.

October 2

Cleopas Samudzi

Northwest Missouri State Univ.,
Missouri Academy
Supporting STEM Education

October 9

Barrett Eichler

Northwest Missouri State Univ.
*Acetylenes and Siloles: What
is the Connection?*

October 16

Michael P. Jennings

University of Alabama
*Natural Products as Targeted
Cancer Therapeutics: Total
Synthesis of Cytotoxic
 β -C-Glycoside and Furanoside
Targets*

October 23

David W. Schwenke

NASA Ames Research Center
*Bringing Theoretical
Spectroscopy into the
Twenty First Century*

October 30

D. Chris Benner

College of William & Mary
*Accurate Measurements of
Carbon Dioxide Spectra*



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Nominees for Office - 2007

The Nominating Committee presents the following candidates for office to the St. Louis Section-ACS for 2007. All members of the St. Louis Section are eligible to vote. Please mark the enclosed ballot, following the instructions printed on the reverse side, and return no later than October 31, 2006. Ballots postmarked after that date will not be counted.

Chair-Elect (vote for one)

Keith J. Stine: Associate Professor of Chemistry and Biochemistry, University of Missouri-St. Louis. Section Activities include Midwest Award (1993), Surface Science Discussion Group (1993-1999), Materials Chemistry Discussion Group (2000), Saint Louis Award (1998-2000), Alternate Councilor (1997-1999), Director (2001), Career Day (2001-2006), Secretary (2002-2006), Program Chair - 35th ACS Midwest Regional Meeting (2000).

Secretary (vote for one)

Jeffrey Cornelius: Professor of Chemistry, Unit Head for Math and Natural Sciences (2004-Present), Principia College. Education Committee Chair (2001-Present). Undergraduate Research Symposium Chair (2000, 2004)

Treasurer (vote for one)

Theodore C. Gast: Professionally affiliated with the Carl F. Gast Company; Section activities include Chair of the St. Louis Sections ACS 2005; the development and promotion of Kids & Chemistry since its inception in 1996 and serving as Science Fair Judge for the past several years up to the present. Ted is more recently involved in fundraising activities for the Section through the American Chemistry Council (since November of 2002).

Director (vote for three)

Sue Dudek: Scientist, Pfizer Corporation – Local Section Chair (2001); Technician Affiliate Group Chair (1993); Alternate Councilor (1994, 1997); Director (1995, 1998-1999, 2005); St. Louis Technician Award Chair (1998-2005); St. Louis Chemical Science and Technology Award Chair (current); Career Awareness Fair Booth Chair (1993-2002); Chemical Progress Week Coordinator (2003); “Battle of the Burets” co-chair (2000-2006); National Technician Award Chair (1995).

Hal Harris: Professor of Chemistry at University of MO, St. Louis. Section activities include St. Louis Section Chair, (1994); Director, numerous years. Hal is interested in bringing a better public understanding and appreciation of chemistry through responses to distortions in the media, and has for several years headed a committee for that purpose in the section.

Leah O'Brien: Professor of Chemistry, Southern Illinois University Edwardsville – Chair of the St. Louis Section ACS (2003); Midwest Award Committee chair (1999-2002); Women Chemists Committee chair (1997-present); Midwest Award Symposium coordinator (2002-present).

Bruce Ritts: Senior Scientist, Steris Corporation (2002-2003). Section activities include Treasurer (2002-2003); Director (2001); Publicity and Public

Relations; Committee chair (2000); Chemical Progress Week (1997-1999,2001-2002); Program Committee chair (1996); Education Committee chair (1994, 1995); National Chemistry Week coordinator (1993); Donation Committee chair (1992).

Councilor (vote for one)

Lisa Balbes: Balbes Consultants. Current activities for the St Louis section include Treasurer (2005 - present); Career Resource Coordinator (2003 – present); Section Chair (2002), Webmaven (1996 – 2004), PR chair, and founder of the Computational Chemistry Discussion Group (1996 – 1999). She is currently Webmaster for the COMP Division (2000 – present); Chair of the Career Committee for the CINP Division (2006 – present); and a Career Consultant and Presenter for the Department of Career Management and Development (1993 – present).

Sadiq Shah: Associate Vice President for Research and Economic Development, Western Kentucky University; Local Section Activities: Councilor (2001-2006), Investment Committee (2002-2004); Steering Committee (2001); Alternate Councilor (2000); Chair Publicity & Public Relations Committee (1999); Director (1994 – 2000); Section Chair (1993); Chair-Elect (1992); Chair Membership Committee (1990); Steering Committee (1990); Long Range Planning Committee (1990); Chair Awards Committee (1989); Steering Committee (1989); Chair Professional Activities Committee (1988). National Level Activities: Member subcommittee on Ethics & Professional Affairs (2001-2003); Associate member of the Committee on Economic & Professional Affairs (2001-2003); Chair subcommittee on

Professional Programs Development 2003 – present); Member Committee on Economic & Professional Affairs (2003-present); Member Executive Committee – Committee on Economic & Professional Affairs (2003-present). National Meeting Program Chair for Committee on Economic & Professional Affairs (2003-present).

Alternate Councilor (vote for two)

Alexa Serfis: Professor of Chemistry and Director of the Preprofessional Health Studies program at Saint Louis University. Served for eight years as faculty advisor for the SLU ACS Student Affiliate group, earning national recognition. Section activities include: Chair, St. Louis Section ACS (2006); Chair Elect, St. Louis Section ACS (2005); National Chemistry Week Coordinator (1995, 2001, 2002); Alternate councilor (1997-2000); Director, ACS Board (2003); Awards Committee Chair (2002-2004); Undergraduate Research Symposium Chair (1999, 2003, 2006) (with SLU Student Affiliates); Undergraduate Programming, Midwest Regional Meeting Chair (2000); Science Fair Awards Chair (2001); ACS Peer Mentoring Workshop, Washington D.C., (2000).

Mike Shaw: Associate professor of Chemistry at SIUE. Activities for the section include: organizing the Undergraduate Research Symposium in (1999, 2000) (with Don Becker), coordinating the Student Affiliate Sections in the St. Louis region, and organizing the 2003 Day at the Science Center during National Chemistry Week (with Eric Malina), Alternate Councilor (2004-2006), and replacement director in (2001-2002).

Nominate a Colleague for the St. Louis Award

The St. Louis Award, sponsored by the Monsanto Company, is presented to an individual who had made outstanding contributions to the profession of chemistry and demonstrated potential to further the advancement of the chemical profession. The award, consisting of a \$1,500 honorarium and a plaque, is presented at the St. Louis Award Banquet, the final event of Chemical Progress Week in April.

Please help the Awards Committee identify outstanding chemists in the St. Louis Section by submitting your nominations to the St. Louis Award Chair. The nominations should include a nominating letter, two or more seconding letters from individuals who have had a close professional affiliation with the nominee, a brief biography, a description of the nominee's accomplishments, and a list of publication and patents.

At the time of the nomination, the nominee must not have previously received the Midwest Award or any national ACS-sponsored award. The nominee must be a member or affiliate of the St. Louis Section of the ACS. The deadline for nomination packets to be received is December 8, 2006. Please send nominations and inquiries to:

Dr. Joseph Ackerman
St. Louis Award Chariman
Department of Chemistry
Campus Box 1134
Washington University
1 Brookings Drive
St. Louis, MO 63130-4899
Phone: 1-314-935-6593
FAX: 1-314-935-4481
ackerman@wuchem.wustl.edu

Politics and Chemistry

With the mid-term elections looming, ACS President Ann Nalley is encouraging members to take an active role in the democratic process. The national ACS Office of Legislative and Government Affairs offers a voter resource page on the web (see www.chemistry.org/government) with a link to Project Vote Smart. Both Missouri and Illinois members can view extensive, useful election information including rules, statistics, absentee voting requirements, the wording of ballot measures and initiative petitions as they appear on their state ballot, and much more. ACS is also sponsoring a Local Section Government Affairs Summit which will bring representatives from local sections to Washington DC to meet with Capital Hill policymakers in November.

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**The Mark Twain Section
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will host the 41st Midwest Regional Meeting,
October 25-27
Oakley-Lindsay Center in Quincy, IL**

<http://www.quincy-cvb.org>

Quincy can be reached by commercial air service into the Quincy Municipal Airport, the St. Louis Lambert International Airport [STL] (which is two hours away), or Amtrak rail service from Chicago. We have designed a diverse program at a reasonable cost to attract an optimal number of participants from industrial, academic, and government settings. We anticipate attendance to be between 500 and 600. Please visit our web site to view the program as it is continually updated: membership.acs.org/m/mwrm2006

The advanced registration is open until October 6th and the abstract submission deadline is September 8th [<http://acs.confex.com/acs/mwrm06/cfp.cgi>].

A block of rooms has been reserved at the Holiday Inn (\$79 +tax; 217-222-2666; 1-800-HOLIDAY) and the Hampton Inn (\$74+tax; 217-224-8378; 1-800-HAMPTON) both of which are within easy walking distance of the convention center. The booking code is ACS.

Do consider attending the 41st Midwest Regional Meeting and *compounding your success*.

[Dawood Afzal](#)

Co-Chair

660-785-4683

660-785-4642

afzal@truman.edu



[David Wohlers](#)

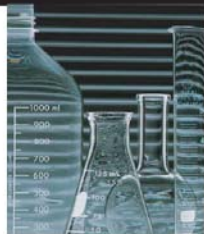
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St. Louis Chemical Science and Technology Award Call for Nominations

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 Chemical Progress Week Awards Night. The award will be presented at the Awards Night event, which will be held in April of 2007.

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 Sue Dudek, Pfizer Corp., mail code T2A, 700 Chesterfield Parkway West, Chesterfield, MO 63017 by December 22, 2006. 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 Sue Dudek 314-274-2464

FAX 314-274-4426 susan.dudek@pfizer.com

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