

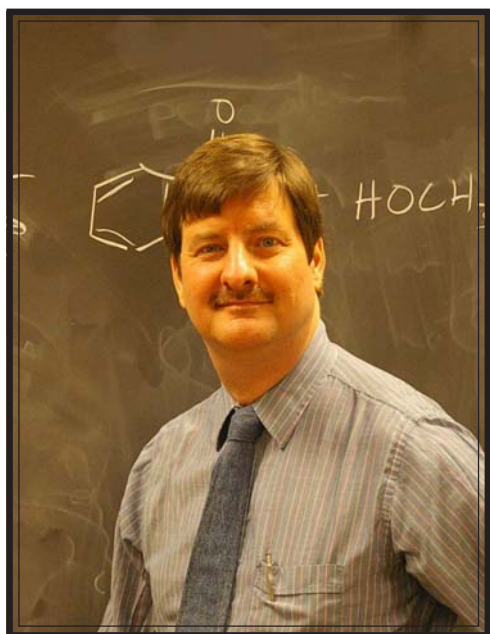


# Chemical Bond

Volume 58  
Number 1  
January 2007

St. Louis Section, American Chemical Society

## ACS Chair 2007



*Steve Kinsley*

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

The Department of Chemistry and the Chemistry Club  
announce the

**31<sup>st</sup> Annual William J. Probst Memorial Lecture**

**Manya: A Living History of Marie Curie**

**Monday, March 19, 2007**

7:30 pm

Meridian Ballroom, Morris University Center

Performance by

Ms. Susan Marie Frontczak, Storysmith



*This program honors a preeminent woman of science: Madame Curie was the first European woman to earn a doctorate in the sciences; the first woman to receive a Nobel Prize; the first woman to teach at the Sorbonne; and the first person to receive a second Nobel Prize (a feat not to be repeated for another 50 years). Audience witnesses the origins of scientific discoveries we now take for granted. They re-live the remarkable collaboration between husband and wife, Pierre and Marie, companion scientists.*

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# Chemical Bond

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Editor	Andrea Reaka	<a href="mailto:areaka@siue.edu">areaka@siue.edu</a> 618/650-5166
Advertising Manager	Sue Saum	<a href="mailto:ssaum@stlcc.edu">ssaum@stlcc.edu</a> 314/513-4808
Business Manager	Donna Friedman	<a href="mailto:dfriedman@stlcc.edu">dfriedman@stlcc.edu</a> 314/513-4388
Webmaster	Eric Ressler	<a href="mailto:elressner@sbcglobal.net">elressner@sbcglobal.net</a>
World Wide Web		<a href="http://www.umsl.edu/~acs/">http://www.umsl.edu/~acs/</a>

*Correspondence, letters to the Editor, etc., should be sent to  
St. Louis Section-American Chemical Society  
125 West Argonne Drive, St. Louis, MO 63122*

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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 Steve Kinsley (kinsley@wuchem.wustl.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 8

**Social hour:** 5:30 pm

**Dinner:** 6:30 pm

Business Meeting will start during dinner.

Future meetings:

March 8, April 12, May 10

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## Chemical Progress Week

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Monday, April 16  
Awards Night Banquet

Tuesday, April 17  
ADACIOM Luncheon

Friday, April 20  
St. Louis Award Symposium

Saturday, April 21  
St. Louis Award Banquet



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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.

February 5

**Ram S. Mohan**

Illinois Wesleyan University  
*Environmentally Friendly Organic Synthesis Using Bismuth Compounds*

February 12

**Kevin Johnson**

Southern IL Univ.-Edwardsville  
*Identification of Volatile Arsenical Compounds Produced During Phytoremediation Using a Novel Sampling and GC-MS Technique*

February 19

**Ronald K. Castellano**

University of Florida  
*Unconventional Donor-Acceptor Architectures for Supramolecular Applications*

February 26

**Matt Leevy**

Notre Dame University  
*Zinc(II) Coordination Complexes Target Fluorescent Probes to Bacteria In Vitro and In Living Mice*

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Receive e-mail reminders of upcoming ACS events and activities! To subscribe to the Reminders Listserve, send your e-mail address to Alexa Serfis at [BARNOSKI@SLU.EDU](mailto:BARNOSKI@SLU.EDU).

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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 2007 are as follows:

**St. Charles-Lincoln County Regional Science and Engineering Fair**  
Monday, March 12<sup>th</sup>, 7:00 pm at St. Charles Community College

**Illinois Junior Academy of Science Region 12 Science Fair**  
Saturday, March 17<sup>th</sup>, 9:00 am at SIU-Edwardsville

**Greater St Louis Honors Science Fair**  
Sunday, March 31<sup>st</sup>, at Queeny Park

**Greater St Louis Elementary Science Fair**  
Monday, May 7<sup>th</sup>, at Queeny Park

**Greater St Louis Secondary Science Fair**  
Thursday, May 10<sup>th</sup>, at Queeny Park

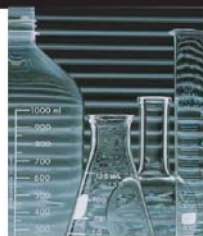
**Interested in judging? Please contact John Kauffman**  
phone: (573) 356-1142

e-mail: [kauffmanj@centurytel.net](mailto:kauffmanj@centurytel.net) or [John.Kauffman@fda.hhs.gov](mailto:John.Kauffman@fda.hhs.gov)

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*from p. 9 of October 2006*

# *The Beginning of an Award Winning Tradition...*

*Part Three... by Lol Barton*

As I mentioned in the first two articles of this series, this project began as an attempt to explain why the St. Louis Section has received so many National Awards for Outstanding Performance since 1979 and to describe the activities that were cited in individual years. The first article described the awards process and the second article described the groundwork from the 1970's that provided a foundation for our "tradition of excellence" that we have developed in the Section.

Our first success came for the activities of 1979, when H. Burnham Tinker was Section Chair. Burn was an organometallic chemist, a graduate of the Jack Halpern group at the University of Chicago. Unfortunately, he left St. Louis in the early 1980's to join Mooney Chemicals Inc. in Cleveland and we have not heard from him since. 1979 was the year that our current chair Steve Kinsley won the Marcus award at Saint Louis University and the year we had a very successful Midwest Regional Meeting at the Chase Park Plaza Hotel in St. Louis. There were 600 in attendance including ACS President Gardner W. Stacey of Washington State University. At that meeting the Section ran a short course on chromatography. These short courses at regional meetings were new at the time. Chemical Progress Week continued its fine tradition and the Section, which was responsible for the original idea, fought successfully to overturn an effort by the National Office to charge local sections a fee for collecting Local Section dues.

My year as chair in 1980 was highlighted by a visit from ACS President James D. D'Ianni, when he presented us with the 1979 Award for Outstanding Performance. That year, there were 20 new people recruited to the various committees and offices, including 10 women. Additionally, as a result of an effort to involve bench-level-B.S. chemists, more of these scientists were included in the section and a group of active members was created that was younger and more diverse. Also, record levels of attendance was seen for section events – for example, a General Meeting at the Planetarium to see the show *Springtime in the Universe* drew 645 people. There were two seatings for this activity, which included a social event co-sponsored by the Friends of the Planetarium. Another popular event was "An Evening at Shaw's Garden" when Eugene R. Corey spoke on *Symmetry and Art* to a crowd of 130 people. That year we spent our entire budget (for the first time in many years). We held the St. Louis Award Symposium Reception at UMSL Chancellor Grobman's house and past-chair Tinker organized a Cheese and Wine Party for new members. During this year, we wrote to all new members twice, which was credited for the increase in active membership. Also, the General Topics Group was formed during 1980 by Dr. Yehuda Shalon.

In 1983 Charles Hobbs, a Monsanto chemist, was Section Chair and much of the year was spent getting ready for the 1984 National Meeting, scheduled to be held in St. Louis. However, there was almost not a meeting because the National ACS wanted to move the event to another location. Thanks to the hard work of Jack Malone, 1981 Section Chair, these efforts to move the meeting were reversed,

thus, allowing us to host the event and keep it on schedule. One successful activity in preparation for the National Meeting was the great Henry Godt/Phyllis Bennett campaign in selling advertising for a special issue of *The Chemical Bond*, the profits from which finally put funding for the Midwest Award on a sound financial basis. That year a Chemical Safety Committee was formed and Dave Garin, from UM-St. Louis, established the Missouri Science File, a compendium of scientists/experts to be used as a resource for the public. 1983 was also a year of major involvement by members in the Section (300 ballots were cast in elections).

In 1986 Phyllis Bennett became the second woman to hold the position of Section Chair, the first being Desiree Le Beau, 34 years earlier. In addition, the positions of Secretary and Treasurer were held by women. Perhaps as a reflection of this, 1986 brought the establishment of a Women's' Chemists Committee. That year the Section also introduced the Chemical Technician Award. 1986 was the year that the ACS was emphasizing "Communicating the Chemical Profession to the Public through Media and Government Representatives". Phyllis delivered a copy of the National Academy of Sciences' 1985 "*Pimentel Report: Opportunities in Chemistry*" to Senators Bond and Eagleton as part of our effort to achieve that goal. The Midwest Award qualification statement was broadened to encourage more nominations of industrial chemists. The section held some meetings of interest to the general public including one at the Art Museum on Art Conservation and with the Science Center to explain Genetic Engineering. A feature of the times was the Monsanto "restructuring" which affected Section membership. The funding of Science Fair Awards was initiated and we will never forget Henry Godt's "Knights of Swing" at a reception for new members.

*The fourth and final article will continue the accounts of activities during the years the Section won the Outstanding Performance Award.*

## Women Chemists Spring Event

Monday, March 19 2007, 7:30 pm

"Manya: A Living History of Marie Curie"

SIUE Meridian Ballroom

*This year the Women Chemists Group will be combining with the SIUE Probst Lecture. Join us for dinner and a special performance by Storysmith Susan Marie Frontczak as she presents a 1-woman theatrical performance as Madame Curie. For details and reservations please contact Leah O'Brien at [lobrien@siue.edu](mailto:lobrien@siue.edu) or 618-650-3562.*



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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  
University of Missouri-St. Louis / Dept. of Chemistry  
8001 Natural Bridge Road  
St. Louis, MO 63121-4499

(314) 516-5711 / lbrien@jinx.ums.edu

*\*Nominations must be received on or before the deadline of March 31, 2007.*

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# *Message from the Incoming Chair...*

Greetings for the New Year. I am honored to be Chair of the Section this year. As you may or may not know, 2007 is the 100<sup>th</sup> anniversary of the St. Louis Section of the American Chemical Society. Celebrating our century mark is a great time to reflect on the glorious history of this section and to plan for its challenging future.

My own history with the local section goes back only to 2001, however, my association with the ACS began as a student affiliate in 1979. In fact, this is not the first time that my picture has appeared on the cover of the Chemical Bond. Those who collect the Bond will find me on the cover of a 1979 issue, smiling proudly in a polyester suit, after winning the Marcus Award at St. Louis University. Hopefully, future changes in clothing styles will not make this January's cover look as embarrassing 30 years from now.

At the Awards Banquet in 1979, I remember how exciting and meaningful it was to be recognized for my own (albeit meager) accomplishment. My mother and father, along with all of my chemistry professors from St. Louis University, were in attendance. I often forget how meaningful it is for chemists to be recognized for their achievements, especially early in their careers. Fortunately, many opportunities for recognition still exist in the Section. Our programs include awards for college students, high school students, professional chemists, and a relatively new award: the St. Louis Science and Technology Award. Our returning Awards Committee chair is Pat Burrell-Standley, who has been doing an excellent job, as have all the people on her committee. This committee is served by excellent volunteers, but a wider involvement by section members would be great. Judges are also always needed and welcomed for the Science Fair. It's a great and rewarding way to get involved. You will be impressed by the ability and dedication of the students. Also, if you want to recognize a professional colleague for their accomplishments, nominate them for an award. Information on the nomination process for the St. Louis Award, the Midwest Award and the Science and Technology Award is available on the section website: [www.umsl.edu/~acs/](http://www.umsl.edu/~acs/). Chemical Progress Week (April 15-21<sup>st</sup>), which includes the Awards Banquet, the St. Louis Award Symposium and the St. Louis Award Dinner, is a great opportunity to network with local members. Leah O'Brien, who is the coordinator of Chemical Progress Week, does a fantastic job with these events.

From a chemistry and technology standpoint, the world is growing ever more complex. The importance of chemistry in general education is essential in understanding and making informed decisions on chemical and technological issues. Our Section is extremely active in education. Kids N' Chemistry, Chemistry is Fun, Career Awareness Fair, and Project SEED are excellent examples of how professional chemists can have a positive impact on students. Again, volunteering for these activities is extremely rewarding. David Haselbauer has volunteered to

chair the Education Committee this year. Contact him to get involved (see “Science Fair Call for Judges on page 5). His enthusiasm is highly contagious.

An important role of the Section is to provide a forum for the discussion of chemistry. The Special Topics Discussion Groups (as part of the Program Committee, chaired by Shelley Minter) are among our most successful activities. Current groups include: Education, Computational Chemistry, Chromatography, General Topics, Mass Spectroscopy, NMR Spectroscopy and Organic Synthesis. If you wish to join these groups, or start a new discussion group, contact Shelley or the specific discussion group leader listed on the Section website.

Two other major committees are the Professional Activities and the Publicity Committees, chaired by Brent Znosko and Gopal Paul, respectively. These committees supply valuable services to both the section members and community. The Professional Activities include: Career Resources, Minority and Government Affairs, and the Women Chemist Committee, among many others. The Publicity Committee includes: Public Outreach, the Chemical Bond, and the Section website. These committees are served well by hard working and enthusiastic volunteers.

It is important to increase the public awareness of the past and future accomplishments of chemistry. As this is our 100<sup>th</sup> anniversary, it’s a great opportunity for both. National Chemistry Week (October 21-27<sup>th</sup>) and Chemists Celebrate Earth Day (April 22<sup>nd</sup>), will be celebrated on a national and local level. To get involved locally, contact Greg Wall (gwall@sial.com). In addition to these annual events, one of the special events for the 100<sup>th</sup> anniversary will be a symposium at the Science Center on May 29<sup>th</sup>. The topic is “The Chemistry of Alternative and Sustainable Fuels.” This event will be open to the public. It’s a great chance to show how chemists will play a vital role in the future. Dr. Katie Hunt, the 2007 ACS National Chair, will be at the event. More information on this event will be in the Chemical Bond in the coming months. Other events commemorating the Section’s 100<sup>th</sup> anniversary are in the planning stage. If you want to get involved, or have any interesting local chemical history, please contact me.

Due to the superior efforts of my predecessors, Alexa Serfis and Ted Gast (who lead us to the 2005 “Outstanding Section Award”), the Section is in great shape and I hope that this will be a great year. One of my biggest challenges is to continue that success so Keith Stine (the 2007 Chair-Elect) can be similarly challenged in 2008. One of the things that will help make this a great year is your involvement. A major goal of mine is to increase our Section member’s involvement in activities. There are many opportunities to get involved, far more than can be listed here. I realize that many may not volunteer because they do not feel that they have a voice or are not well connected to the local section. But, please, contact me on any issue, suggestion, or complaint (kinsley@wuchem.wustl.edu). A second major goal of mine is to serve the needs of the membership. Again, please let me know what I can do.

At our 100<sup>th</sup> birthday, let’s look to the future of our Section and our profession. This future requires the continued dedication of our current volunteers and the introduction of many more.

*Steve Kinsley*

2007 Chair

St. Louis Section of the American Chemical Society

kinsley@wuchem.wustl.edu

*Pick up back cover  
from back of previous issue*