



Chemical Bond

**Volume 59
Number 1
February, 2008**

St. Louis Section, American Chemical Society



***Our new Chair
Keith Stine***

A Note on Missing Issues

The production of each issue of our *Chemical Bond* newsletter is a demanding task that requires a skilled and dedicated editor. Clearly, our efforts have gotten off track, with the November, December, and January issues missing in action. We sincerely apologize for not being able to produce these past three issues.

Sue Dudek has agreed to take over as editor, beginning with the March issue. If you don't know Sue, she has been a very active member of the Section for ... well ... a long time, including in the Chair succession, 2000-2002. I am confident that Sue will get the production and delivery of the *Bond* back on a regular, timely schedule.

The *Bond* will be mailed to reach members as close to the first of the month as bulk mail services permit. And you can always get a preview copy about a week earlier at www.umsl.edu/~acs/Bonds/index.html.



Eric Ressler

Very temporary, this issue only, interim editor



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Meeting & Seminars

Board of Directors

St. Louis Section-ACS Board of Directors meets the second Thursday of each month, usually at the Glen Echo Country Club (map 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 for dinner, please contact Keith Stine (kstine@umsl.edu or (314) 516-5346) at least a week prior to the meeting date. The usual cost of the dinner is \$20. Members wishing to become active in section activities are welcomed for their first dinner as guests of the section.

Date: February 14

Social hour: 5:30 pm

Dinner: 6:30 pm

Business meeting: 7:15 pm

Future meetings: Mar 14; Apr 10

Saint Louis University

Seminars start at 4 pm in Room 12 Monsanto Hall, except as noted. For more information, contact the Chemistry Department, 314-977-2850.

Feb 1

Dan Giammar

Washington University
*The Environmental Geochemistry
of Uranium*

Feb 8

John Kauffman

FDA

*Rapid Spectroscopic Analysis
of Pharmaceutical Materials
and Therapeutic Proteins*

Sigma-Aldrich Lectures

Raoul Kopelman

University of Michigan

Feb 25

*Magic NanoBullets: From
Nanophotonic Sensors
to Cancer NanoMedicine*

Feb 26

Targeted Multifunctional
Nanoparticles for Tumor Cell
Imaging and Therapy

Feb 29

Rich Givens

University of Kansas

*The Photon as a Traceless Reagent in
Chemistry and Biology: Photorelease of
Reagents and Substrates*

University of Missouri- St Louis

Fridays at 4 pm in 451 Benton Hall, unless otherwise specified. Refreshments 15 minutes prior to seminar time. For more information, contact the Chemistry Department, 314-516-5311.

Feb 4

Lev Gelb

Washington University

TBA

Feb 18

Marc d'Alarcao

San Jose State University

TBA

Feb 25

Bruce Hamper

Pfizer

TBA

Washington University

Seminars are in McMillen 311 at 4 pm unless otherwise noted. For

information, contact Thomas P Vaid, vaid@wuchem.wustl.edu

Feb 7

Lynn Francesconi
Department of Chemistry
Hunter College of CUNY
TBA

Feb 14

David Beratan
Duke University
Department of Chemistry
TBA

Feb 21

Adam Nolte
NIST
TBA

Feb 28

Darren G. Hamilton
Department of Chemistry
Mount Holyoke College
TBA

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Recognition Night 2008

Saturday, March 29

La Bonne Bouchée

12344 Olive Blvd., west of I-270, in Westgate Shopping Center

Celebrate and honor members who have helped make this section great, Distinguished Service Award presentation, Past Chair address, and more. Spouses welcome!

Reservation must be received by March 26, 2008.

Member Name _____

Indicate choice of entrée for each person attending:

Trout × _____

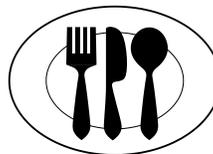
Chicken breast × _____

Steak × _____

Number attending _____ × \$26 = amount remitted \$ _____

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Message from the Past Chair

As another year draws to a close, it's time to look back.

One of the highlights of the past year was the series of *Bond* articles which highlighted aspects of St Louis, the Section, the chemical industry and life in general over the past 100 years. As I read the articles, I wondered if the people founding the Section in 1907 contemplated what the next century would hold. Did they predict the advancements in science and medicine, the World Wars?

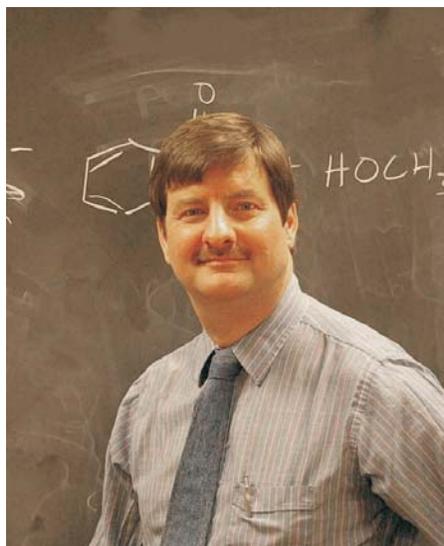
How will our predictions about the next 100 years turn out? I

think 100 years from now we will *not* all own flying cars. (Although I just read on the Internet that they are now available, I can't imagine an aerial traffic jam. Go to the Lake of the Ozarks on the 4th of July and watch how people drive their boats. Picture this in three dimensions.) I also think I will be no better at predicting the future than my predecessors.

Something that will be true 100 years from now, however, is that the St Louis Section will still exist and have wonderful, dedicated, hard working volunteers among its members. This year, our volunteers helped Boy Scouts and Girl Scouts with Chemistry merit badges, created fun and educational activities for children, especially during National Chemistry Week, held discussion groups and symposia for the development of professional chemists, helped organize awards and ceremonies for both professional and student chemists, and contributed to countless other tasks which are necessary in maintaining an active and vibrant Section.

For these efforts, I thank all our volunteers, especially Joe Ackerman, Lisa Balbes, Pat Burrell-Standley, Samir El-Antably, David Haselbauer, Mike Hauser, Bruce Kowert, Shelley Minter, Leah O'Brien, Eric Ressler, Alexa Serfis, Myron Reese, Amy Walker and Greg Wall.

We had three special events to celebrate our 100th anniversary. Two events were held in May. Greg Wall orchestrated three excellent lectures given by Dr Alfred Bader. Dr Bader is an old friend of the section; he also spoke at our 95th anniversary. We had a symposium on *The Chemistry of Alternative and Sustainable Fuels*. Among the fine talks was an introduction by Dr Katie Hunt, 2007 President of the American Chemical Society. Katie's ancestors have a long history with both St Louis (think Lucas and Hunt Road) and the Section; her relative, CE Caspari, was chair in 1918 and 1920. The third event, which could become an annual affair, "An Evening of Chemistry and Wine" was held in October.



see *from the Past Chair*, p. 8

Message from the Incoming Chair

As we start 2008, the Saint Louis Section of the American Chemical Society enters its second century of existence and is a highly active and well run organization that we can all be proud of. I also believe that the profession of chemistry, while changing in the specific fields of opportunity, remains as relevant as ever. I hope to serve the Saint Louis Section well as Chair and leave it in as good a condition when I hand the position over in 12 months.

During my years of direct involvement with the Saint Louis Section since 1992, I have been deeply impressed by the commitment, ability, and insight of our Boards of Directors over the years and look forward to working with the present Board and benefiting from their guidance and contributions. I especially thank outgoing Chair Steve Kinsley and those on my 2007 Steering Committee for their advice and help beyond the call of duty. I would also like to thank Eric Ressler for his help during the year. I also would like to thank Ted Gast for serving as special advisor this year in addition to his work as Treasurer.

Our active volunteers, regardless of the size of the tasks they take on, are people without whom most of our activities could not occur. In January, 2007, I attended the ACS leadership training conference. The people that I met there were impressed by the level of organization and activity of the Saint Louis section.

However, this excellence will not be sustainable over the long run without involvement of members, old and new, who have not been involved before. There are many satisfying aspects of involvement and I believe that if you contact us, we can find an activity which you will find interesting, and a level of involvement with which you can feel comfortable. If you have not been involved before with our activities, then take a look at our website (www.umsl.edu/~acs) and see what we are doing. Our experienced active members are ready and willing to help newcomers with their first activity.

You may find it surprisingly satisfying to judge a science fair and see what young science students are up to these days, to spend part of an afternoon at the Saint Louis Science Center presenting demos to the public, to answer questions from 8th grade students about chemistry careers when the Section has a booth at the Career Awareness Fair at the America's Center, or to help organize an event for Boy Scouts or Girl Scouts. If you are so inclined, we have started presenting talks at the Saint Louis Science Center for the general public and perhaps you have a unique topic, or feel that you would like to present a talk. These activities help to



see *from the Incoming Chair*, p. 8

... from the Past Chair, from page 6

The Section seemed energized by the 100th year anniversary. Attendance was up for almost all events. Recognition Night included 10 fifty-year members; our annual High School, St Louis, and Midwest Award banquets were very well attended.

I enjoyed my year as chair. I thank Sue Dudek, Donna Friedman, Hal Harris and Lol Barton. In time of need, you were always available with good advice and a helping hand. Bill Doub and Ted Gast were excellent sounding boards for new ideas. Jeff Cornelius always made me look better in print than I was in person. And finally, Past Chair Alexa Serfis and Chair-Elect Keith Stine, made my transition easy.

The Section is 100 years old and going strong.

Steve Kinsley
2007 Chair
St Louis Section-ACS

... from the Incoming Chair, from p. 7

improve the public awareness of what chemists do, and how modern society and a healthy economy would not be possible without us.

I would like to encourage the involvement of our younger members this year so that some day, the group of more senior experienced volunteers and officers will be replenished. I also would like to encourage and welcome those who have not done so before to attend an event, even if you don't think you know anyone, we are a nice group and will aim to make you feel welcomed. There will definitely be someone there who will talk to you and make you feel that you belong.

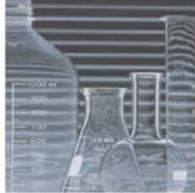
The activities of the Section are also constrained by our budget, and in addition to involving new people, my second goal for 2008 will be to improve the organization and hopefully the effectiveness of our efforts to seek donations, both financial and other kinds.

Finally, a special thanks to all of those who already know they will be involved in 2008.

Keith J. Stine
2008 Chair
St Louis Section-ACS

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from October 2007, p. 5

Bond Briefs

Sci/Tech Nominations Extended

Missing issues of the *Chemical Bond* have made it impossible to publicize the nomination deadline for the St Louis Chemical Science and Technology Award. So the award committee has extended the deadline this year to February 15th.

This award is a great showcase for the often unheralded work in the chemical enterprise done by non-PhD chemists. For eligibility criteria and nomination guidelines, see www.umsl.edu/~acs/awardhist.html#scitech

Nominate a deserving coworker this year!

Volunteers Needed

Volunteers are needed for the St Louis Section Education Committee to assist in the following programs:

1) Chemistry is Fun: We are looking for someone to take over the Chemistry is Fun program, through which programs on everyday chemistry are presented to grade school and middle school children, as well as some community groups.

2) Kids & Chemistry: We are looking for someone to assist the current sub-chair, Anna Scarim, with arranging volunteers for this program. This program provides specialized training for volunteers who then go out and do actual hands-on activities with groups of youngsters. Activity packages are available for volunteers to share with children when doing chemistry experiments. These events are done throughout the year, especially during National Chemistry Week.

Interested? Contact David Haselbauer, Education Committee Chair, djhase@swbell.net or phone 314-660-3523.

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Continuity Dinner, 2007

... is a fancier-than-usual Board Meeting, held each December to mark the official passing of the gavel from the outgoing to the incoming Chair. This event is often held at a different venue than our regular monthly Board Meetings. We eat a little better, drink a little better, dress a little nicer, and often welcome members we haven't seen around for awhile.

The Continuity Dinner for 2007 was held on December 15th at CJ Muggs in Webster Groves. Attendance was slightly down, but spectacular, considering the fourth largest December snowfall ever recorded in St Louis occurred on the same evening. The weather forced a quickened meeting pace; however, all had a good time.

Two other orders of business set this night apart from the ordinary.

This night, the winner of the Distinguished Service Award is announced, though informally, because the award is not actually presented until the Recognition Night Banquet during Chemical Progress Week. But if you promise not to tell, we can reveal that this year's winner is Bruce Ritts.

And the Henry Godt Memorial Lecture is delivered by a "secret speaker," whose identity is known only to him/herself and the Chair, until the Chair reveals it at the final moment.

The lecture memorializes Henry Godt, the first winner of the Distinguished Service Award, and the first to give a year-in-review talk at Continuity Dinner. Obviously that first talk was not a memorial to Henry, but the series he inaugurated came to its present name while Henry was still very much alive. This year's "secret speaker" was supposed to be Alexa Serfis, but she was snowed in and could not make the trek. She lateralled to Pat Burrell-Standley for delivery.

The end of the meeting was a historic passing of the gavel from the last Chair of the Section's first century, Steve Kinsley, to the first Chair of the second century, Keith Stine. All attendees signed a copy of the night's program, which will be sent to the Section archive.

Be sure to mark your calendars for December 10, 2107, the next century handoff. What with global warming and all, there should be a lot less snow.



Ted Gast and outgoing Chair Steve Kinsley enjoy a quiet moment before the Continuity dinner.

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