



## American Chemical Society Ozark Section

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March 23, 2017.



Mr. Lee Marek

### Dear chemistry lovers,

Are you a fan of chemistry demonstrations? Have you heard of *THE Chemistry Demonstrator*, **Mr. Lee Marek**? Mr. Marek has appeared over 30 times on "The David Letterman Show" with his fantastic chemistry demonstrations; and one of his segments in the show was even a finalist for an Emmy Award! He was also highlighted on the 40<sup>th</sup> anniversary of the "Bozo the Clown Show". Now Mr. Marek is going to come out of the TV screen and manifest himself among us. We warmly invite you to "**25 Years of Science on the Late Show with David Letterman, Part 1**" at 6:00 p.m. on April 13<sup>th</sup>, 2017 at Missouri State University in Temple Hall, Room 002. Mr. Marek will bring us a lecture, videos, and, of course, live chemistry demos!

Please find an MSU campus map at the end of this newsletter, along with suggested parking. Please note that a free parking pass for the indicated lot has been provided with this newsletter. *Please do not forget to print and display the pass on your dashboard!*

### MR. MAREK'S EXOCHARMIC STATEMENT

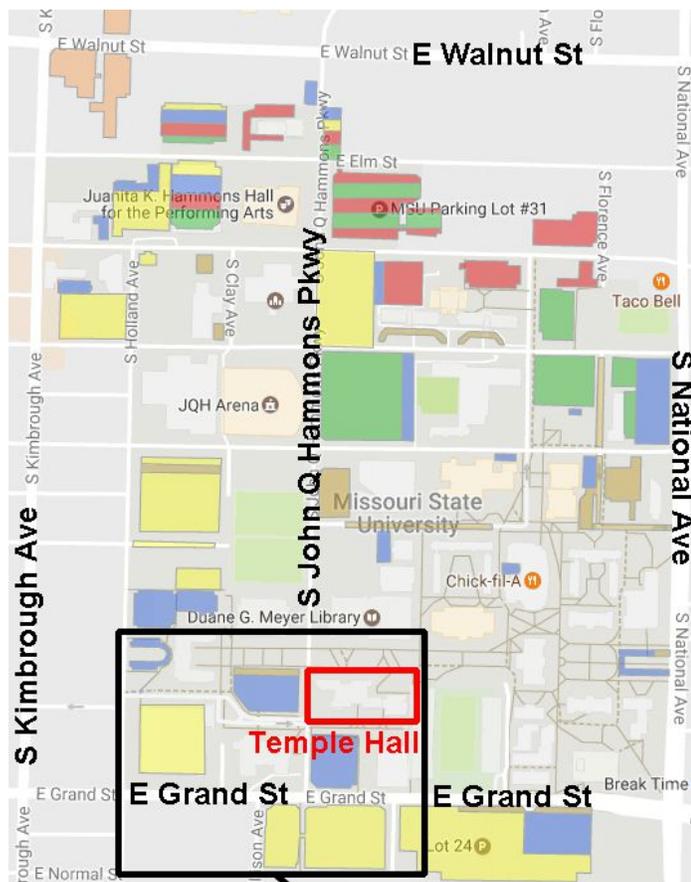
The audience for the David Letterman show is not unlike a classroom full of high school students or college freshman! It's sitting there daring you to be interesting! One way to capture attention is to do demonstrations that are exocharmic [to radiate charm -- make you want to watch] and to be a bit weird/eccentric. Good teaching is part knowledge, part preparation and part theater and so is doing science on THE LATE SHOW. More important you need a frame of mind somewhat off center to survive doing chemistry on national TV or for a class of 440 as I had this fall. As Robert Maynard Hutchins said, "My idea of education is to unsettle the minds of the young & inflame their intellects." I embrace Hutchins' idea - sometimes literally both in my classroom, in science programs and the David Letterman Show! I use what is called the "Phenomenological" approach to teaching science -- introducing a topic with a demonstration or lab so that students have something concrete on which to focus. I use demonstrations as exocharmic motivators to captivate student interest and to focus on the day's topic. To influence high school kids, college freshman, or the general public like the Letterman show audience, you need "presence", to capture their attention. We live in a world of the 15-second commercial, internet, Facebook, Youtube, Twitter and the National Enquirer. As teaching professionals we need to compete, to show the people that there is something interesting and important in learning, something about which "inquiring minds really do want to know." It boils down to "Education is not in the filling of a pail, but in the lighting of a fire" (William Butler Yeats). I will present a number of video clips from the 35 Letterman shows I have been on in the last 25 years - including one used on his 10th anniversary show and one that was up for an Emmy award. These demos will range from the 8 foot ball of fire shooting across the stage, to the Dyn-o-might soap. I will describe the time I dissolved the set, discuss the 1000 pounds of thermite demo [never done] and show the time the 500 pounds of Oobleck got lose. There will be a clip of the time I almost took out Bozo on WGN! If time allows, I will show some of the other work I did with WTTW, FOX, Inside Edition and U.K. TV. I will also do a few of the simple demos with the audience. My web site has some demos and more information. <http://www2.chem.uic.edu/marek/>

More details at <http://ozarklocalacs.sites.acs.org/apps/blog/>

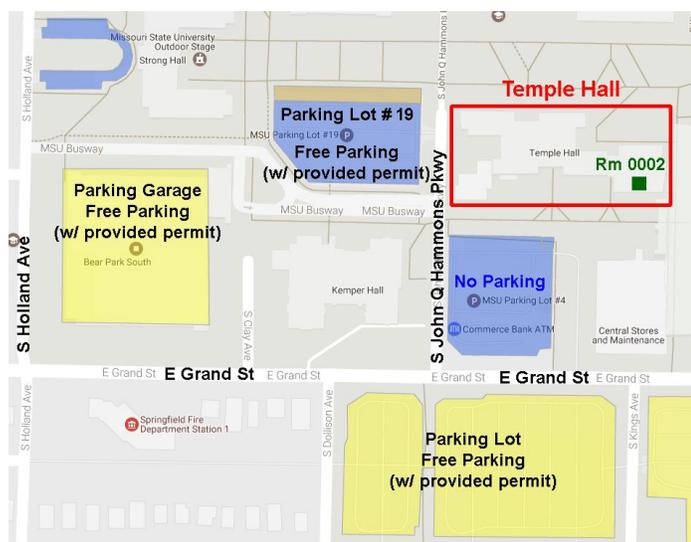


# American Chemical Society Ozark Section

## Missouri State University Campus Map with indicated parking:



## Detail of Parking and Temple Hall:



## Stay updated with ACS Ozark Section

Please visit our blog site regularly to stay updated with all of the events that we are hosting:

<http://ozarklocalacs.sites.acs.org/apps/blog/>

## Looking to share your chemistry expertise as a volunteer in our community? Consider becoming a chemistry ambassador!

Become a compelling spokesperson for your profession, whether you have a lot of time, or a little. Present ACS's many and excellent resources to the audiences they are intended to serve. Connect with the people who live in your community. By becoming a Chemistry Ambassador, you can help educate people about the importance of chemists and chemistry, while taking part in community activities that are engaging and fulfilling for you. The suggestions and tools in this program are largely designed for individuals on their own schedules, but there are resources for local section programming, as well. Who better to represent chemistry in the community than our 161,000 members?

[Sign up](#) now to receive additional information and resources.

Speak Simply about Chemistry

As a chemist, you understand that chemistry is all around us. As a Chemistry Ambassador, you see opportunities to talk about chemistry all around you, too. For tips for speaking simply about your work, visit our [Speak Simply about Your Job](#) page.

## Tips & Resources

- [Speak Simply about Your Job](#)
- [Inspire Future Generations](#)
- [Public Relations and Media Outreach](#)
- [Talk to Your Lawmakers](#)
- [Present in Your Community](#)
- [Tools and Messages](#)
- [Chemistry in the News](#)

## Additional Information

- [Why Do We Need Chemistry Ambassadors?](#)
- [Reports and Articles about Communicating Science](#)

**PLEASE NOTE:** If you are receiving a print copy of this newsletter, we are missing your email address! To help us keep our costs down and relay information in a timelier manner, please send your email address to [FeiWang@MissouriState.edu](mailto:FeiWang@MissouriState.edu) with subject: "Ozarks Section Member Email Address"

# PARKING PERMIT

Guest of the Chemistry Department

Lot: 19 or Yellow

Valid: April 13, 2017

Permit: Linda Allen

Approved by:

*Virgie A. Russell*

**MUST BE DISPLAYED ON DASHBOARD**

Not valid at metered spaces.

Ownership of Permit remains with the University.

\*Alteration of parking permit will result in auto clamp and \$150 fine.

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