

THE PIPELINE

Letter From the Chair: Lane Daley

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The most important thing about what we can do is what we can do with others. More and more our profession pushes us toward collaborating with other professionals and AIChE is a vehicle towards that end. The East Tennessee Local Section has a long history of providing high quality programs, short courses, and PE review courses that share useful technical skills. This year, we are taking it to the next level. Whether you are an officer, a member on a committee, or just attend some of our programs, you have benefitted from the programs, maybe a networking event, and soon from an AIChE outreach opportunity. Our local section has great opportunities in store for this year and I am excited to introduce you to whom and what will be promoting the profession of chemical engineering in our community.

Let's focus on the people who are vital in making all of this happen. These are people who volunteered their time and skills to build an environment where our members and affiliates can learn and network.

Noah McMillan is our outgoing chair; without his direction, nothing would have ever gotten done.

Braxton Sluder is our outgoing secretary and incoming vice-chair. It is a little known fact that the secretary is fairly busy through the year keeping all documentation associated with our hundreds of members and affiliates in check. We all look forward to having him on the team again this year.

Esmeralda Luna-Ramos is our outgoing treasurer and incoming secretary. She kept us from running our bank account dry and will now be your primary point of contact for the local section.



Newsletter Spotlight

Upcoming AIChE program by Steve Gossett of Eastman Chemical Company

Northeast Tennessee Science Bowl volunteers needed



Lane Daley
East Tennessee
AIChE Local Section
Chair

Mark Harrison will be leaving his three-year term as director. He has faithfully provided wisdom over the past three years and we will certainly miss having him on the team. But, **Paul Fanning** and **David Hitch** will continue on with us as directors with a new-ish addition, **Joe Bays**. I say “new-ish” because Joe has been an officer of our local section in the past and we are glad to have him back!

Alexandra Kleven is our incoming treasurer and has already been involved with outreach initiatives for our local section.

If you happen upon one of these people at a meeting, please pause to thank them. They do not help with AIChE because they have to, but because they want to and a simple “thank you” to them or any of our committee members means a lot. Now you have met the people, look forward to our February issue of the *Pipeline* for more about the new networking and outreach efforts.

Northeast Tennessee Science Bowl: Volunteers Needed



An example of a Science Bowl team conferring before submitting an answer

SCIENTIFIC JUDGE

The questions in each subject area have been reviewed by at least two individuals with subject expertise to eliminate erroneous or ambiguous questions. In addition, we have selected a multiple-choice format for many of our questions. This eliminates more than one correct answer (it's either one of our answers or the response IS wrong).

Your primary duty as a Science Bowl SCIENTIFIC JUDGE is to resolve question challenges. Should a question be

The Northeast Tennessee Science Bowl, hosted by ASME and Eastman Chemical Company, will be held in the Toy F. Reid Center Auditorium on January 29, 2014. Organizers are expecting a turnout of 14 teams from 9 different schools. The event begins at 8:30am with opening remarks and typically ends at 3:00pm. Two positions are currently available for interested volunteers, both of which are described below.

If you are interested in volunteering for either of these positions, or in another capacity, please contact Justin Garrette by [email](#) or at 423-229-8983.

challenged, there are a number of steps that should be followed:

1. First, see that the competition clock is stopped.
2. Then, if the challenged question is in your field or that of Moderator or other Science Bowl official in the room, you should resolve the challenge without outside assistance.
3. If a challenge arises which is outside the fields of the officials in your room, please bring the challenge to "Science Bowl Central." The organizing committee will either have someone on call or in the building in each of the science, math or computer science areas who can resolve the issue. Once you report a decision, that decision is final.
4. Should you feel that time was lost as a result of the interruption (5, 10, or 15 seconds, for example), check with the Moderator who may add that time back onto the clock before resuming the competition. Be certain to announce that you are "correcting" the time because time was lost due to the interruption so that all participants understand what is happening.

2. Ensuring that the Moderator has read each question correctly. You will be given a packet of questions identical to those of the Moderator. As the Moderator reads a question, please follow along to make sure the question is read correctly and that all words are pronounced correctly.

RULES JUDGE

Your duties as a Science Bowl RULES JUDGE include:

1. Ensuring all competition rules are followed. To serve in this capacity, it is imperative that you fully understand all competition rules. Please review the competition rules before coming to the Science Bowl training session.

During the competition, if you should have to discuss a rule with the Moderator during a round, please be certain that the clock has been stopped. If you feel that time has been lost, check with the Moderator, who is allowed to make a time correction.

2. Watching for Scorekeeper errors. If, for example, Team A is supposed to get four points, the Rules Judge needs to make sure the Scorekeeper doesn't inadvertently credit the wrong team with those points.

3. Ensure that quiet is maintained. During competition play, the Rules Judge is responsible for ensuring that quiet is maintained in the room and that no signals are given to the team members from the audience.

Steve Gossett, Environmental Fellow, Eastman Chemical Company
Thursday, January 16, 11:30am-1:00pm, B-150 Auditorium

Steve Gossett, Environmental Fellow with Eastman Chemical Co., will provide an historical overview of the landmark environmental regulations which had the most significant impact on both the chemical industry and our environment. Those laws were the Clean Air Act, the Clean Water Act, and the Resource Conservation & Recovery Act. During the talk, Steve will cover not only what has been done by industry to comply with these regulations, but also some of the current trends in environmental legislation and the challenges they present for industry.



Steve Gossett
Eastman Chemical Co.

December Program Recap: Patent Fundamentals
Dr. James K. Leonard



James Leonard
Eastman Chemical Co.

Dr. James K. Leonard gave a great presentation on patent fundamentals applied to the chemical industry. He talked about what intellectual property is and the motives behind its laws both in the USA and worldwide. The talk covered general information on copyrights, trademarks, trade secrets, and patents. Dr. Leonard also gave great examples that can be applied to chemical processes and products.

Dr. James K. Leonard is an Intellectual Property Attorney at Eastman Chemical Company. A native of Bad Axe, Michigan, James earned his bachelor's degrees as a Wolverine, his Ph.D. as a Gator, and J.D. as a Badger. His passion is combining science with the law in an entrepreneurial spirit. As an Eastman patent attorney James focuses on protecting technologies in order to get the most value from it. Deciding how to strategically protect the company's intellectual property can have profound impacts on growth and business strategies later down the road.

The talk went into detail on all forms of intellectual property. But to be brief on certain items, he spoke on differences between common law and federally registered trademarks. Basically, common law trademarks are identified by a TM and are protected in the geographic area of use whereas federally registered trademarks are identified by a ® and are protected across the United States. Trade secrets were discussed as important and beneficial forms of intellectual property. Dr. Leonard gave the example of the secret Coke formula and how chemical companies can use them to their advantage. He eventually talked about the economics of intellectual property and how each of the forms can create certain expenses. All in all, the presentation engaged the audience in a positive way and initiated questions as well

as discussions at the end.

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