



ISOTOPICS

The Cleveland Section of the American Chemical Society

Volume 91 Issue 8

November 2015

On Deck:

TBD

November Meeting Notice

Wednesday, November 18, 2015

Speakeasy, 1948 W. 25th Street, Cleveland, Ohio

www.Speakeasy216.com

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| 4:30 – 5:30 | Executive Committee Meeting |
| 5:30 – 7:00 | Networking, social, and dinner |
| 7:00 – 8:00 | Short presentation by Tom Lix followed by Q&A |

Sacrilege or Smart Application of Technology: The Cleveland Whiskey Process

Tom Lix, DBA., CEO, Cleveland Whiskey LLC

Tom Lix is the founder and CEO of Cleveland Whiskey LLC (<http://clevelandwhiskey.com/>). His company is revolutionizing the making of whiskey by significantly speeding up the aging process, using a process called pressure-aging. Dr. Lix will discuss the process in general terms, how this process came about, and how this led to the starting of Cleveland Whiskey. He will further discuss where he sees Cleveland Whiskey in the whiskey/bourbon market.

DINNER RESERVATIONS NOT REQUIRED:

Attendees will be able to purchase food and drink from the Speakeasy's special events menu, which includes sharable plates, such as a cheese board, charcuterie board, and Pomme Frites, in addition to many pizza options.

There is no cost to attend this event.

No RSVP is required for this event. Attendees will receive a \$5 coupon to be used toward food and drink for this event

Cleveland ACS Officers

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Cleveland Section Web Site:

http://www.csuohio.edu/sciences/dept/cleveland_acs/

Speaker Biography

A serial entrepreneur, Tom Lix is Cleveland Whiskey's founder and CEO. More recently he was the Director of the Center for Entrepreneurship at Lake Erie College as well as an Associate Professor of Entrepreneurship at the same institution. He was the founder and President of application services provider Public Interactive® (acquired by Public Radio International www.pri.org) and the former President of MarketPulse, a wholly owned subsidiary of Computer Corporation of America (acquired by Rocket Software www.rocketsoftware.com).

Previously he was President of Yankelovich Partners (www.thefuturescompany.com) where he consulted for leading food, hospitality and entertainment companies including Proctor & Gamble, PepsiCo, HBO®, American Airlines and Federal Express.

Lix spent some formative years in the US Navy where in addition to some early bootleg distilling; he was cross trained in nuclear physics and thermodynamics along with seawater/freshwater distillation. A college dropout who hitchhiked across the country, fought forest fires in Alaska at the age of 17, and founded the first University sponsored Motorcycle Club in America. He later earned his Doctorate in Business from Boston University.

Interesting fact: On March 18, 2015, President Obama visited Cleveland Whiskey (<http://clevelandwhiskey.com/the-president-tours-our-distillery>).

Cleveland Section Strategic Planning

Submitted by Genevieve Sauve

Director and new Communication Officer of the ACS Cleveland Section

On Saturday, October 11, 18 members of the ACS Cleveland local section got together for a 1 ½ day retreat that did not disappoint. Among them were

9 executive committee officers, representatives from both academia and industry, an undergraduate student, and a graduate student who just defended her thesis. Facilitated by Kathleen M. Shultz and Carol Duane of the ACS Leadership development department, animated discussions resulted in clarifying our vision and mission, identify our most important goals and come up with strategies to achieve those goals. The ACS Cleveland section new strategic plan was born. The retreat ended with establishing the next steps needed to keep our momentum and set ourselves for success. The experience was bonding. Words to describe the retreat abound: informative, useful, productive, collegial, exciting, empowering, and energizing. There were disagreements and arguments, of course, but thanks to our facilitators, previously agreed ground rules and a drive to make a difference, the group was able to resolve conflict and come up with great ideas.

At this point, you might be wondering what our strategic plan is. Our draft vision (to be fine-tuned) is: "Energize and empower people to transform lives through chemistry in the greater Cleveland area." And our draft mission is: "To foster/cultivate a community dedicated to advancing chemistry and its people for the improvement of society". Our three goals are:

- Goal 1: a) Increase attendance at local section events by 50%. b) Increase diversity of active local section members (those regularly attending events).
- Goal 2: Develop and implement a communications plan that integrates web, social media and print media in less than 2 years.
- Goal 3: Capitalize on our existing programs and increase our presence and participation in outreach activities to the greater Cleveland community.

To achieve these goals over the next 3-5 years, we will need your help. Stay tuned, as more of the section's strategic plans are unveiled and volunteering opportunities are announced.

Call for Nomination: The Morley Medal

The Cleveland Section annually sponsors a regional award, which consists of the Morley Medal and an honorarium of \$2,000. The next presentation of the Morley Medal will take place at a meeting of the Cleveland Section ACS in May 2016. The award is presented at a banquet, at which time the recipient will deliver the Edward W. Morley Lecture for that year. Travel expenses for the medalist and spouse will be provided.

The purpose of the award is to recognize significant contributions to chemistry through achievements in research, teaching, engineering, research administration and public service, outstanding service to humanity, or to industrial progress.

The area of eligibility includes those parts of the United States and Canada within about 250 miles of Cleveland. The contributions for which the award is given should have been made by the awardee when a resident of this area, or if a major contribution was made elsewhere, the nominee should have continued to make contributions while a resident of this area. Nominations may be made by any member of the American Chemical Society, The Chemical Society or the Chemical Institute of Canada.

Nominations for the Morley Medal should include a letter of nomination and curriculum vitae including the candidate's education, professional experience & activities, awards & honors, offices held and specifics on significant contributions. The letter of nomination should highlight these significant contributions. A representative list of references to the candidate's more important contributions, an evaluation of the significance of these achievements, and a listing of the nominee's most significant publications and patents are also appropriate. Added consideration will be given to individuals under the age of 48 with demonstrated accomplishments and for continuing significant future accomplishments. Strong seconding letters are suggested. The specific reference for every publication or patent is neither required nor encouraged. Electronic submissions are preferred.

Deadline for receipt of nominations is **December 18, 2015**. Send nomination and supporting material to:

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Soft robot changes color as it grips and walks

ACS Applied Materials & Interfaces

Soft robots can bend, walk and grip. And, unlike their rigid counterparts, some can get flattened and bounce back into shape. Now scientists report a new advance in the journal *ACS Applied Materials & Interfaces*: a way to make elastic material for soft robots that changes color when it stretches. They say this process opens the door to robot camouflage, new ways to deliver medicines and other applications.

Most commercial robots are stiff, made of hard plastics and metal parts. But the supple robots under development could bridge the gap between today's inflexible varieties and the more fluid and forgiving movements of animals and humans. These machines work when operators pump them with gases or liquids. This inflation results in specific shape changes and desired movements. To impart more versatility to the devices, Stephen L. Craig and colleagues wanted to take advantage of the molecular changes that occur when a robot curls or twists.

The researchers incorporated color-changing compounds in their robots' material that are activated when stretched. This feature could help a robot camouflage itself when it moves. And, because the color change is most intense where the strain on the material is highest, it also can

indicate where it's vulnerable to breaking. The researchers note that other compounds could also be added to release drug molecules, make a robot glow or repair the material when it ruptures.

The authors acknowledge funding from the National Science Foundation.