



THE OCTAGON



Upcoming Event:
Lehigh Valley Phantoms Hockey
Friday, January 12, 2018



Phantoms vs. Springfield Thunderbirds

7:05 PM

Phantoms Attach Zone Section III

PPL Center, 701 Hamilton St, Allentown, PA

Tickets \$22 Checks payable to LVACS

Contact: Kelley Caflin, caflinacs@yahoo.com by
Dec. 10

Tickets are Limited! Get them while they last!



In This Issue:

Meetings and Events	1
Chair's Message	2-3
Election Results	3
Nano MARM	3
Strategic Plan Update	5
Science Cafe	5
Historic Landmarks	5
Chemist Chuckles	6
2017 Officers	7

Winter/Spring 2018 Meetings - Mark your Calendars!

Wednesday January 24 at 7 PM

Virtual meeting to be hosted from Penn State Berks

Wednesday Feb 2

Moravian College

Monday March 18

Muhlenberg College

Tuesday April 17

DeSales University

Undergraduate Student Research Poster Session and Student Awards



From the Chair

Dear Lehigh Valley ACS members,

As I end my year of being Chair of our section, I am very grateful for the opportunity to have led the section and thankful for your participation in our activities and meetings. I would like to especially acknowledge each member of the executive committee for your hard work, dedication and support and for making this a great year. It was quite a pleasure working with each of you. For 2017 we put together a very diverse program and in the table below I have detailed all of those activities.

Month	Program Details	Location
January	100th volume of the Octagon Celebration & Dr. Chip Nataro of Lafayette College presented " <i>Lessons from an Online Community of Practice.</i> "	Lafayette College
February	ACS PROGRAM-IN-A-BOX, Chemistry of Sports, Smarter, Safer, Faster	Avantor Performance Materials
March	Dr. Christen Strollo of Saint John's University presented " <i>Characterization of Aqueous Secondary Organic Aerosol</i> "	Muhlenberg College
April	Undergraduate Research Poster Session & Senior Awards night	Desales University
	LVACS-MEET the future event! Mutual Exchange of Expertise and Technology (MEET). Emeritus Professor Stanley Furrow from Penn State Berks demonstrated the crystallization of a super cooled liquid, and local school children uploaded a video of the event to YouTube.	Penn State Berks
	Chemists Celebrate Earth Day. The section donated dry, nonperishables food to <i>Safe Harbor Easton</i> . The theme for this year was "Chemistry Helps Feed the World."	Safe Harbor, Easton
May	Bowling Night	Revolutions, Saucon Valley
June	ACS Middle Atlantic Regional Meeting (MARM)	Hershey
	Annual Iron Pigs Baseball Game Outing	Coco-Cola Stadium, Allentown
	Committee on Minority Affairs - Coaster Art	Forks Township
July	LVACS Family and Friends Picnic	Nockamixon State Park
September	Dr. Gregory Scholes of Princeton University presented on " <i>Can Coherence Enhance Function in Chemical and Biophysical Systems?</i> "	Lehigh University
	Committee on Minority Affairs - Networking Event	Molly's Bar & Grille, Bethlehem
October	Dr. Pat Wernett of Specialty Minerals Inc. gave a tour of his plastics/composites pilot scale production and testing areas, and then gave a talk covering the chemistry behind these applications.	Specialty Minerals Inc.
November	Joint Meeting with East Stroudsburg University Foundation Murphy Alumni Science Lectures. Dr. Robert Flowers presented " <i>Unraveling the Mechanism of Substrate Reduction by Sm(II)-Water Complexes</i> "	East Stroudsburg University
	Science Café Event - Carol Stein presented " <i>Nitroglycerine, historical and present day uses</i> ".	Easton Library, Palmer Branch
	LVACS-MEET the future event!	Penn State Berks



We were recognized at the 254th ACS national Meeting held in Washington DC. Our section won a ChemLuminary award for the most Outstanding Leadership Development Program: Developing Communication Strategies and Lorena Tribe was inducted as an ACS Fellow.

The details of activities within our section are available online on our website lvacs.sites.acs.org. We also have a Facebook page <https://www.facebook.com/Lehigh-Valley-Section-of-the-American-Chemical-Society-188914467805550/> and a twitter account <https://twitter.com/lehighvalleyacs>

We are in great need of more volunteers in the section therefore, I cordially invite you to get more involved. If you are interested please send an email to lvacsls@gmail.com. To the new officers of the executive committee, thank you for offering your time and resources to the section, and I am wishing you a productive and successful year.

Sincerely,

Celia Williams, Chair Lehigh Valley ACS

LVACS ELECTION RESULTS

The 2017 LVACS Officer Elections were completed on November 25th and the results are in!

Our newly-elected 2018 officers are
Denise Beautreau, chair-elect;
Jonathan Fura, treasurer;
Seiji Inaoka, secretary
Kelley Caflin, Councilor

Continuing officers are John Freeman, chair; Celia Williams, immediate past-chair; Jeanne Berk, Councilor; Carol Stein, Alternate Councilor; Lorena Tribe, Alternate Councilor and Michelle Jones-Wilson, Octagon Editor and Webmaster.

Congratulations to the winners!
We all look forward to a productive and exciting 2018!

The 2017 LVACS nominating committee (Nigel Sanders, Alison Holliday, Celia Williams)



Strategic Plan Update

The Section continues to work on our next 5 year strategic plan (2018-2022). A draft of the Key Goals is given below and we would welcome comments and wider participation in this important long-range planning process.



Proposed LVACS Strategic 5-Year Goals:

1. 20% of LVACS membership attends at least one event per year.
2. LVACS member communications are current and 2-way.
3. The LV Community sees LVACS as a resource.

Some of the points raised at the September 30th planning meeting included:

- Make LVACS a positive chemistry advocate in the LV
- Increase the value of LVACS to member's jobs/CVs
- Publicize LVACS in local media
- Improve communication within the section (critical need)
- Re-evaluate LVACS monthly meetings (format/frequency/venues)
- Re-energize LVACS committees and focus more section activity around them
- Capture and publicize all meeting attendance and talks by LVACS members (e.g. MARM, National ACS, non-ACS meetings).

The next session of the LVACS strategic planning committee will take place in January when we will map out specific actions that will be taken to reach each of our goals in the next 5 years. Please forward comments to Nigel Sanders (committee

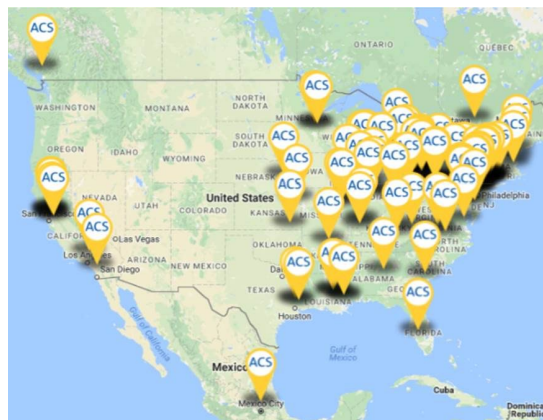
MARM 2018

LVACS is hosting nanoMARM 2018 a one day meeting on June 3 2018. The current schedule of the day is shown below. We are currently looking for volunteers to help with the poster sessions and promotions. There is the possibility of oral sessions or workshops, if you are interested in running a half day session or workshop. If you are interested in either assisting with the poster session, running an oral session or assisting with promotions, please contact John Freeman at jcf2@rcn.com or drop a phone message at 610 923 3587. We look forward to your participation in the day as a presenter or as a volunteer.



NHCL Program

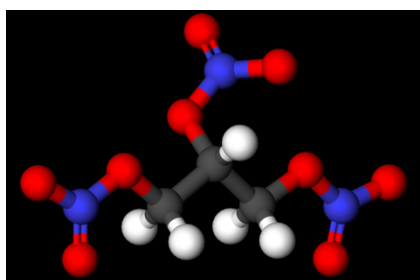
Recently, Lee Latimer who is a member of the ACS Board of Directors, reached out on behalf of the Committee on Public Affairs and Public Relations (PA&PR). In conjunction with Alan Rocke, chair of the National Historic Chemical Landmarks (NHCL) Subcommittee, Lee Latimer is asking local sections to become more involved with the NHCL Program by nominating potential new designations and promoting existing designations. Many ACS Local Sections have sites with such designations, but certainly not all sections have sites nor are they well distributed across the country.



For the past 25 years, this program has been recognizing major accomplishments and key figures in the chemistry enterprise. A full list of the more than 80 designations as well as a map of their geographical locations is available at www.acs.org/landmarks. A fact sheet about the program follows, including some possible topics for designation.

Feel free to bring any nominations in the Lehigh Valley Local Section area to our attention by contacting our incoming Chair John Freeman at jcf2@rcn.com

Science Cafe



The Lehigh Valley American Chemical Society hosted a Science Café Event on November 1, 2017 at the Easton Area Public Library, Palmer Branch. Carol Stein, Alternate Councilor gave a very interesting and engaging presentation on the historical and present day uses of nitroglycerin. There were 7 persons in attendance, 3 persons from the public and 4 section members.

On behalf of the Lehigh Valley American Chemical Society, I would like to extend a special thank you to our speaker Carol and to all who attended. I hope you will be able to join us at future science café and outreach events.

Celia Williams, Chair LVACS



LVACS has a New Home

The transition to our new home <http://lvacs.sites.acs.org/> has begun.

Note this is a work in progress - all new information will be posted on our new home. However, Octagon archives will remain at our old site www.lvacs.net until all links to archived issues are active.

So Please pardon our mess while we remodel!



Chemist Chuckles



Worst ever ... or most clever... pickup lines? You decide!

You must be a compound of beryllium and barium ... because you are a total BaBe !

You must be made of uranium and iodine ... because all I can see is U and I !



I know chemistry... and you have one significant figure !

Do you have 11 protons? Because you are sodium fine !

Are you made of copper and tellurium? Because you are CuTe !

Are you made of Fluorine, Iodine, and Neon? Because you are FINE

If you were C₆, and I were H₁₂, all we would need is the air we breathe to be sweeter than sugar.



You must be the one for me, since my selectively permeable membrane let you through.



2017 LVACS OFFICERS

Chair:

Celia Williams

Avantor Performance
Materials, Inc.

1013 US Highway 202/206
Bridgewater, NJ 08807

lvacscma@gmail.com

Treasurer:

Lindsey Welch

Dept. of Chemical and
Physical Sciences

Cedar Crest College
Allentown, PA 18104
610-606-4666 ext 3615

lawelch@cedarcrest.edu

Secretary:

Seiji Inaoka

sinaoka.chem98@gt
alumni.org

Immediate Past Chair:

Kelley Caflin

Picatinny Arsenal

caflinacs@yahoo.com

Chair Elect:

John Freeman

East Stroudsburg University
East Stroudsburg, PA 18301

jfreeman@esu.edu

Alternate Councilor:

Carol Stein

Councilor:

Jeanne Berk

Dept. of Chemical and
Physical Sciences

Cedar Crest College
Allentown, PA 18104
610-606-4666 ext 3507

jrberk@cedarcrest.edu

Councilor:

Lorena Tribe

218 Luerssen Bldg
Penn State Berks

Tupelhocken Rd
PO Box 7009
Reading PA 19610

lut1@psu.edu

**Octagon Editor &
Webmaster:**

T. Michelle Jones-Wilson
East Stroudsburg
University
East Stroudsburg, PA
18301

mjwilson@esu.edu