

# Newsletter for the Kalamazoo Local Section of the American Chemical Society

October 3, 2018

Vol. 8 – Issue 4

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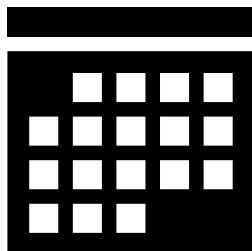
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# Mark Your Calendar!



## **October 13, 2018... Chemistry Day at the Kalamazoo Valley Museum**

We still will need helping hands for the annual Chemistry Day at the Kalamazoo Valley Museum. Please contact Lydia Hines at 269-375-7349 or [lemhwgh@gmail.com](mailto:lemhwgh@gmail.com). Read page 3 for more details.

## **October 23, 2018... Voyage to Mars: REd Planet Chemistry at Boatyard Brewing**

A panel of experts from NASA, Rice, Clemson, Emory and the National Radio Astronomy Observatory will join us in a live webinar and social media event to explain what we know about the Red Planet and the steps necessary to safely send men and women to walk on its surface. RSVP to Doug Williams at [dwilliams@kalsec.com](mailto:dwilliams@kalsec.com) to reserve your place. More information located on page 4.

## **November 13, 2018... Recycle-a-Poster at Bells Eccentric Cafe**

Dust off an old poster or prepare a new presentation and join colleagues for a good evening of networking. More information will be sent closer to the event.

## **May 1-4, 2019... Great Lakes Regional Meeting**

Make your plans now to attend and participate in the 2019 Great Lakes Regional Meeting, the region's 43rd, to be held May 1 - 4 in Lisle, IL. Information about the Region can be found at [greatlakesregionacs.sites.acs.org](http://greatlakesregionacs.sites.acs.org) and about the meeting at [www.2019acsglrm.org/](http://www.2019acsglrm.org/). A call for Symposia is also posted on page 6 of this newsletter.

# Chemistry Day at the Musuem

## Chemistry Day @ the Museum Saturday October 13, 2018 12 noon – 4 pm Kalamazoo Valley Museum

Chemistry Day at the Kalamazoo Valley Museum is right around the corner! As in the past this well attended annual event (~ 1000 children and adults) is held in conjunction with [National Chemistry Week](#) (NCW). The 2018 theme is "Chemistry is out of this world". The Fall 2018 Kalamazoo Valley Museum publication, [museON](#), page 14, had an enthusiastic [article](#) about the impact which KACS members have had on our community over many years, with positive mention of this outreach event which has continued for the past 31 years.



**We still need a lot of helping hands from our members for this much anticipated event!** We would love to hear that you are interested in **volunteering**; if you are not sure what you might want to present we have a list of activity suggestions from prior years, or you may want to work alongside someone else as a "helper" at a table. Please join the few who have responded to date and contact our NCW coordinator Lydia Hines at 269-375-7349 or [lemhwgh@gmail.com](mailto:lemhwgh@gmail.com) - advanced planning makes the event more pleasurable.

# National Chemistry Week Event



## **Voyage to Mars: Red Planet Chemistry**

**Tuesday, Oct 23, 6:45 – 8:00 pm  
(Mole Day)**



The Kalamazoo Section of the American Chemical Society is hosting this free public event at two locations (see registration info below).

Help us celebrate National Chemistry Week by gathering for a group mission to explore the chemistry of Mars! A panel of experts from NASA, Rice, Clemson, Emory and the National Radio Astronomy Observatory will join us in a live webinar and social media event to explain what we know about the Red Planet and the steps necessary to safely send men and women to walk on its surface. Discover the challenges of long-term space travel and the materials, biochemistry, and astrochemistry that will help make this mission possible.

We have come a long way since early astronomers gazed through simple telescopes and theorized about massive canals on the Red Planet. Orbital satellites have begun to map its surface in detail and robotic rovers are working to unlock the chemical and geologic secrets.

Come and learn:

- How the Curiosity Rover has revealed the geologic history of Mars.
- About the environments that existed on the surface of Earth and Mars during the time when life evolved.
- The unique challenges of long term space travel and an update on current efforts to ensure that humans can survive the voyage.
- How biopharmaceutical production can recycle waste into valuable materials.

Location 1 – **Kalamazoo Air Zoo** ([www.airzoo.org](http://www.airzoo.org)) 6151 Portage Road, Portage, MI.

Location 2 – **Boatyard Brewing** ([boatyardbrewing.com](http://boatyardbrewing.com)) 432 E. Paterson St., Kzoo, MI.

**Please RSVP to Doug Williams** at [dwilliams@kalsec.com](mailto:dwilliams@kalsec.com) to reserve your place.

# Project SEED: Meet Daniel Calco

## Article One of a Three-Article Mini Series "The Faces of Project Seed"

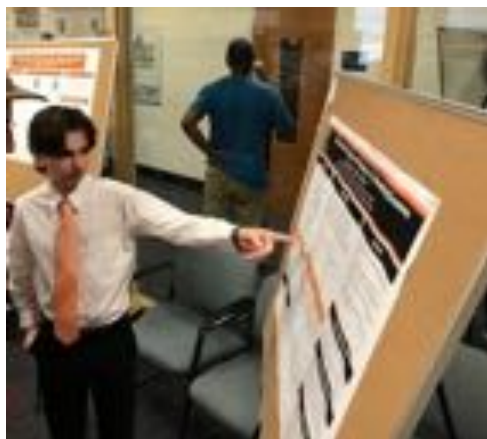
As you have heard here, ACS is celebrating the 50<sup>th</sup> anniversary of Project SEED, which was established to provide lab experience opportunities for high school students who historically lack exposure to scientific careers. More information on [Project SEED](#) is available on the ACS website.

This summer, we had one Project SEED student, Daniel Calco. Daniel is between his sophomore and junior years at Portage Northern High School and the Kalamazoo Area Math & Science Center, where he has studied chemistry with Ms. Chika Hampton.

Daniel's Summer 2018 research project was to synthesize and purify novel non-nitrogenous serotonin-receptor ligands to combat neurodegenerative diseases under the direction of Prof. Dwight Williams in the Chemistry Department at Kalamazoo College. Daniel especially appreciated the opportunity to apply his knowledge of chemistry in a practical way and to learn to use new tools such as NMR spectroscopy. He also has a strong interest in computer science and is excited to explore ways to combine this interest with further study in chemistry.

Daniel presented his work in departmental symposium at Kalamazoo College on August 22 in the Dow Science Center and will be sending a summary report to the ACS soon. He expresses special thanks to Prof. Williams for the experience.

We would like to grow our program for next year. Please watch our upcoming communications for invitations to participate as mentors and sponsors for Summer 2019 Project SEED students in our section. Members who would like to learn more are welcome to contact our local Project SEED coordinator Doug Williams at [dwilliams@kalsec.com](mailto:dwilliams@kalsec.com).



# Call for GLRM Symposia



The GLRM Programming Committee needs your help! We want to know what symposia YOU want to see at the upcoming Great Lakes Regional Meeting in Lisle, IL. We have outlined some broadly defined program tracks for the meeting, but need to hear your ideas so we can fill those tracks with symposia. Please submit your ideas for symposia online at:

<https://www.2019acsqglrm.org/callforsymposia>

The GLRM Programming Committee will review all symposia submissions ahead of the call for abstracts. If you have any questions please contact the Program Chairs Dan Kissel ([kisselda@lewisu.edu](mailto:kisselda@lewisu.edu)) and/or Josh Kurutz ([jkurutz@alumni.caltech.edu](mailto:jkurutz@alumni.caltech.edu)). We look forward to hearing your ideas! -The GLRM Programming Committee

Do you have questions, comments, or would like to contribute to this newsletter? Send an email to Christine Prais, Communication Chair at [ACSkzoo@gmail.com](mailto:ACSkzoo@gmail.com)

Visit our website [www.kalamazooacs.org](http://www.kalamazooacs.org)

