

NOVEMBER 2021 NEWSLETTER

The four hundred and sixtieth meeting of the Susquehanna Valley Local Section of the American Chemical Society will be held on Wednesday, November 10th, 2021, at 7:00 pm in room G-11 of the Heim Science Building on the campus of Lycoming College. The speaker will be Joseph Keane, Ph.D., Professor of Chemistry at Muhlenberg College. Due to COVID precautions there will be no scheduled meeting or meal before the presentation. Furthermore, masks are required in all buildings at Lycoming College regardless of vaccination status.

*“Shape in Chemistry:
Examples from Dearomatization Studies and Potential Applications of
Chiral C₂-Symmetric Tetraamine Ligands”*

Dr. Joseph Keane
Professor of Chemistry
Muhlenberg College
Allentown, PA



The significance of shape and physical structure in chemistry cannot be overstated. The development of dearomatization schemes facilitated by pi-basic metal fragments illustrates many interesting molecular-scale spatial considerations. Tetraamine ligands exhibiting both chirality and C₂ symmetry may provide a solution to one of the major challenges of current dearomatization methods.

BIOGRAPHY OF DR. KEANE:

Dr. Joseph Keane received B.A. (philosophy) and B.S. (chemistry) degrees from Lycoming College before working with W. Dean Harman at the University of Virginia for his Ph.D. in chemistry. After one year as a visitor at Colgate University, he received a faculty appointment at Muhlenberg College, where he serves as professor and chair of chemistry. When he is not thinking about chemistry, he enjoys backpacking, tabletop gaming, brewing cider, and trying to figure out which of his kids he is supposed to be picking up from where.

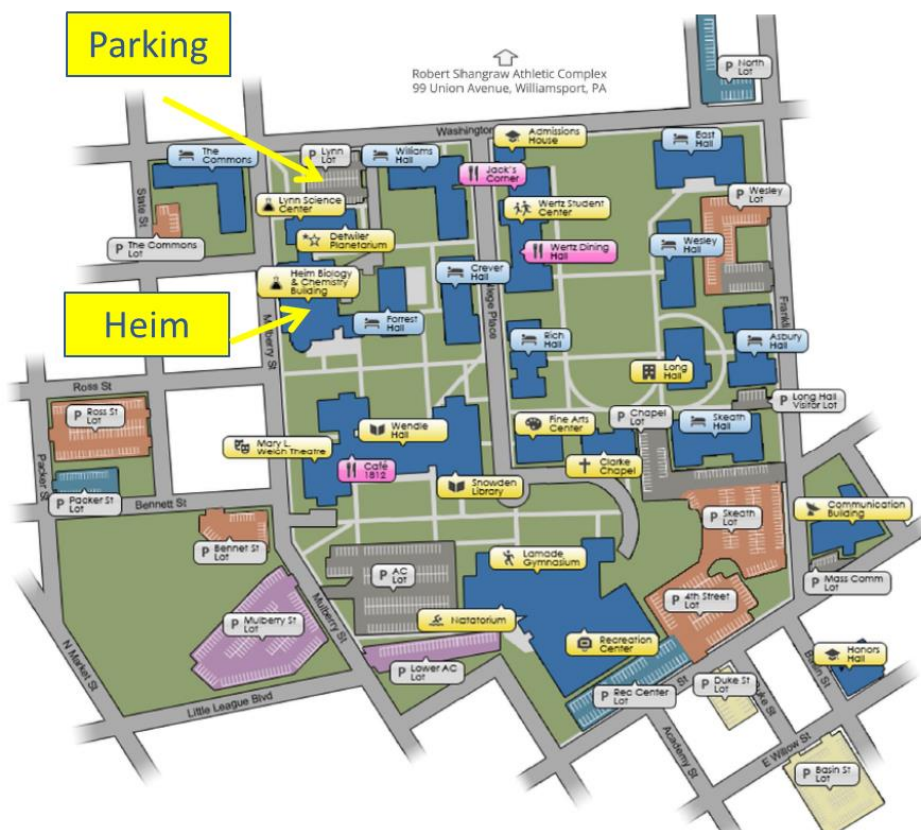
DIRECTIONS TO THE COLLEGE

GPS address of the entrance to the Lynn Lot: 124 Washington Blvd, Williamsport, PA 17701

From I-80: take U. S. Route 15 north. Travel approximately 15 miles to Williamsport. Continue over the Market Street Bridge (stay in left lane) and follow the signs for the Business District. Go to the fourth traffic signal and turn right onto Little League Boulevard. Go one block east and turn left at the stop sign onto Mulberry Street. At the next traffic signal, turn right onto Washington Boulevard. The entrance to the Heim Building/Lynn Science Center parking lot will be the first right.

From I-180/US-220: exit onto Market Street (Exit 27A). Turn left from the exit ramp at the traffic signal and follow Market Street north into the city. Go to the third traffic signal and turn right onto Little League Boulevard. Go one block east and turn left at the stop sign onto Mulberry Street. At the next traffic signal, turn right onto Washington Boulevard. The entrance to the Heim Building/Lynn Science Center parking lot will be the first right. Proceed straight after entering the main doors of the Lynn Science center into the Heim Building.

Once on campus: Proceed straight after entering the main doors of the Lynn Science center into the Heim Building. Turn left and the stairwell to the ground floor is on your left. Follow the stairs down and walk straight into the Heim Building where the doorway to room G11 is on your left. If ground floor entrance without stairs is needed, instead of entering the Lynn Science center from the parking lot, continue from the parking lot to behind the Lynn Science center to the doors that are in between the two buildings. Enter and turn left to go into the Heim Building, where the doorway to room G11 is on your left.



Detailed directions can be found at the following internet address:

<https://www.lycoming.edu/admissions/visit/directions.aspx>

A detailed campus map can be found at the following internet address:

<https://www.lycoming.edu/admissions/ourcampus/campusmap.aspx>

SECTION NEWS:

2022 LOCAL SECTION ELECTIONS:

Ballots have been sent out for the election of Chair Elect of the local section. SVS members with emails on file will receive their ballot from noreply@electionrunner.com. Please check your Junk mail folder if you have not received a ballot. The election will close at 5:00 pm on Wednesday, November 10.

OPEN POSITIONS IN THE LOCAL SECTION:

Do you want to use your talents to help other chemists in the Susquehanna Valley section? Listed below are examples of positions that need to be filled by willing individuals along with websites that give organizing ideas:

- SVS Chair
This is a two-year position in which the first year is spent as the chair-elect becoming familiar with the duties of the chair and participating in committees. Chemists who want to be more involved in the local section usually assume this position.
- WCC ([Woman Chemists Committee](#)) Chair
Help attract, retain, develop, promote, and advocate for women to positively impact diversity, equity and inclusion in the Society and the profession
- Project SEED ([Summer Experiences for the Economically Disadvantaged](#)) Coordinator
Coordinators are responsible for establishing programs, identifying mentors, recruiting students, fundraising, and organizing activities such as field trips
- CH&S ([Chemical Health and Safety](#)) Committee Chair
Help provide authoritative technical resources and mentorship in chemical health and safety for all
- SCC ([Senior Chemists Committee](#)) Chair
Help improve communication among senior chemists, increase the number of senior chemists' groups and the level of their engagement within local sections, and encourage the involvement of senior chemists in programs focused on K-12 education, undergraduate networking, and mentoring
- CCEW ([Chemists Celebrate Earth Week](#)) Coordinator
Help promote the positive role that chemistry plays in the protecting our planet (recyclable plastics, cleaner-burning fuels, phosphate-free detergents, environmental monitoring, and green chemistry initiatives).

If you are interested, contact the section Chair (Allison Saunders, saundersa@lycoming.edu), Secretary (Ronald Supkowski, ronaldsupkowski@kings.edu) or any member of the Susquehanna Valley Section leadership team ([executive committee](#), [committee chairs](#), [liaisons](#)).

MARM 2022:



Save The Date:

The 50th Mid Atlantic Regional Meeting (MARM) will be held June 1-4, 2022. The meeting is hosted by the Trenton Local Section of the American Chemical Society. Check their website, marm2022.tcnj.edu, for more information.

LOCAL STEM COMPETITIONS:



A list of all STEM competitions for high school students is posted on our [website](#). If you have any questions about the contests or have suggestions for others, please contact either the person indicated on the site or the section webmaster, Ron Supkowski at ronaldsupkowski@kings.edu or 570-208-5900 x5733

NATIONAL ACS NEWS:

COVID-19

ACS is committed to helping combat the global COVID-19 pandemic with initiatives and free resources. Learn More at their website acs.org/content/acs/en/covid-19

ACS LEGISLATIVE ACTION NETWORK:

Legislation that may impact the chemical enterprise comes before Congress on a regular basis, and the ACS is committed to keeping its members informed and encouraging them to weigh in on high-priority issues. To see the position of the ACS on many legislative issues visit the ACS LAN website: www.acs.org/content/acs/en/policy.html

To find out how to become more active in ACS advocacy activities, see the website: www.acs.org/content/acs/en/policy/memberadvocacy/advocacy-tools.html

To join ACS' grassroots legislative advocacy network, ACT4CHEMISTRY, which will allow you to stay up to date on policy issues and contact legislators on behalf of chemistry and chemists, go to their website, follow the Act4Chemistry Twitter account, or email advocacy@acs.org.

Act4Chemistry Advocacy Issues. To take action go to the website
acs.org/content/acs/en/policy/memberadvocacy/issues.html#/takeaction

Ask the Senate to confirm science nominees for key positions & consider a chemist for the Chemical Safety Board

In 2021, the Biden Administration nominated three chemists to three important parts of government. Dr. Geri Richmond has been nominated as the Department of Energy's (DOE's) Under Secretary for Science and Energy. Dr. Asmeret Berhe has been nominated as the Director of the DOE Office of Science. Additionally, Dr. Laurie Locascio has been nominated to lead the Department of Commerce's National Institutes of Standards and Technology (NIST). ACS asks the Senate to vote on their

nominations. ACS is also asking Congress to encourage the nomination of someone with experience and a background in chemistry for the remaining vacancy on the U.S. Chemical Safety and Hazard Investigation Board

Ask Congress to include STEM priorities in wider U.S. innovation legislation package

ACS is encouraging the inclusion of dedicated support for sustainable chemistry and authorization of new helium conservation measures into the wider Science and Innovation package Congress is aiming to pass. Language supporting sustainable chemistry and the conservation of the critical material helium has passed the House. Inclusion in the final package that could become law will depend on action by scientists like you to ensure Members are aware of the importance of supporting sustainable chemistry and conserving nonrenewable helium.

Ask Congress to support the Research Investment to Spark the Economy (RISE) Act

We encourage you to ask that your members of Congress cosponsor and support the Research Investment to Spark the Economy (RISE) Act, H.R. 869 and S. 289. These bipartisan bills would authorize supplemental funding for a variety of research agencies.

Support the Chemical Safety Board

The CSB is an independent federal agency that saves companies, universities, and local communities billions of dollars and countless lives by helping them prevent catastrophic incidents. Despite its great value, the administration has called for \$9.4 million for FY 2019 to be allocated to CSB, specifically for its elimination. Join us in asking appropriators and other members of Congress for their continued support of the CSB and its mission to protect workers and the public.

Keep Science Funding Strong

Congress and the White House are working to complete the appropriations process for fiscal year 2021. Join us in asking appropriators for a strong and predictable boost in federal funding for scientific research.

Congressional Chemistry Caucus

The Caucus' mission is to educate Members of Congress, their staff, and the public on the benefits of chemistry in today's society and its economic impact on our country. If you do not see your Representative or Senators represented in the Chemistry Caucus ask them to join.

JOIN THE ACS:

If you know of anyone who would benefit from being a member of the American Chemical Society, please direct them to the membership website:

www.acs.org/content/acs/en/membership.html

NATIONAL MEETINGS:



Spring 2022 ACS National Meeting

The spring 2022 national meeting, “Bonding Through Chemistry” will be held In-Person and Virtual. The meeting will be held March 20-24, and the in-person event will take place in San Diego, CA. See the [website](#) for more information.

2022 Green Chemistry & Engineering Conference

The 26th annual Green Chemistry & Engineering Conference will be held June 6-8, 2022 at the Hyatt Regency in Reston, VA. The 2022 theme will be *Thinking in Systems: Designing for Sustainable Use*. Hosted by the American Chemical Society’s Green Chemistry Institute (ACS GCI), the GC&E Conference is the longest-running global conference dedicated to green chemistry and engineering. A virtual component will be available to connect the local event with the global community of scientists, students, educators and leaders interested in advancing science and solutions to global sustainability challenges. For more information on submissions and registration, please see the [website](#).

BCCE 2022

The 27th Biennial Conference on Chemical Education will be held at Purdue University in West Lafayette, Indiana in the summer of 2022. See the [website](#) for more details.

Susquehanna Valley Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

Please send any comments about the monthly newsletter to Ron Supkowski, Section Secretary
King’s College 131 N River St Wilkes-Barre PA 18711 ronaldsupkowski@kings.edu
