



American Chemical Society Wichita Section Spring 2023 Newsletter

Section Meeting

Monday, 24 April, 7:00 PM

Wichita State University

Wichita, KS

Meal (optional)

6:00 PM

Dinner will be served in the Santa Fe Trail Room (room number 233) on the second floor of Rhatigan Student Center at Wichita State University. Dinner buffet will include taco with ground beef and shredded chicken, fresh fried tortilla chips, and different toppings. The cost of the meal is \$10 for regular members, and free for students who also register and attend the presentation. Directions and a campus parking map can be found at:

<https://www.wichita.edu/services/parking-1/parking-maps.php>

Please RSVP by Monday, 17 April to Paul Rillema at paul.rillema@wichita.edu.

Meeting

7:00 PM

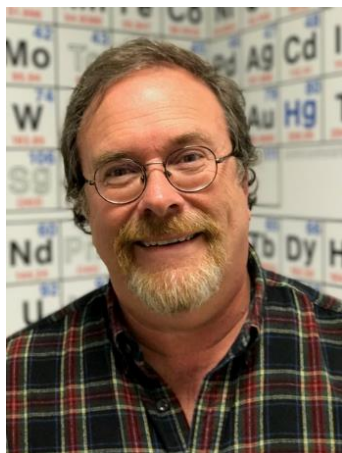
Speakers Dr. Irv Levy, Professor Emeritus Gordon College, Wenham, MA

Title: A Farewell to Harms: The Green Chemistry Commitment

Abstract

In this lecture Prof. Levy will discuss the goals and tenets of the Green Chemistry Commitment program at Beyond Benign. Green chemistry can be summarized as “chemistry that is designed to be inherently safer for human health and the environment”, in other words, a farewell to harms. The presentation will emphasize the low activation energy needed at the institutional level to begin this grand transformation. Specific examples of ways to successfully infuse green chemistry into the curriculum will be presented, as well as freely available tools that facilitate this transformation, with particular emphasis on the important role that today’s students have in moving us forward.

Speaker Bio



Professor Emeritus Gordon College, Wenham, MA
Chemistry teacher, Pingree School, Hamilton, MA
Visiting Professor, Salem State University, Salem, MA

Irv is a 40+ year member of ACS, an ACS Fellow, and a Fellow of the Royal Society of Chemistry.

Chemical Education has been his life since he began as a full-time professor in 1985. During the tenure of his career he had the odd goal to teach Organic Chemistry, both semesters, one hundred times; sadly, when he made it into the 80+ repetitions, he lost count, but he’s fairly sure he has completed the task. The second half of Irv’s career is devoted to the infusion of green chemistry into chemical education. To that end, he has served as the director of the Green Chemistry Commitment project at Beyond Benign. Irv edited the books *Green Chemistry Education: Changing the Course of Chemistry* and *Teaching and Learning About Sustainability*.^[1] Irv was

fortunate to supervise 54 undergraduate student green chemistry projects which led to presentations (oral or poster) at ACS national meetings. His students have performed outreach activities in a wide array of venues from the very local to a national stage, introducing thousands of members of the general public to the idea of green chemistry. After retiring from full time college teaching, Irv was inspired to set off on a new adventure teaching Honors Chemistry and AP Chemistry at an independent High School near his home. Irv and his wife, Kathy, enjoy travelling to see the country and their widely distributed family of five children, four grandchildren, and eleven grandpups and grandkittens.

Chair's Message

Dear Section Members,

As the 2023 fiscal year ends, I invite everyone to the ACS Wichita Local Section (L.S.) awards banquet on April 24, 2023 at the Rhatigan Student Center (RSC), Wichita State University in Wichita, KS. At the event, we will recognize and award certificates to the Eric Trump Outstanding Students from various colleges and universities within the Wichita Local Section's geopolitical jurisdiction. Please join me in congratulating all of our outstanding students for a 'Job Well Done'. I am also excited to announce that this year, all student awards are named after Dr. Eric Trump, Professor of Chemistry at Emporia State University. Dr. Trump, who passed away last October 25, 2022, had served the local section for decades and assumed roles such as chair, webmaster and member-at-large representative. Our keynote speaker is Dr. Irv Levy, Professor Emeritus, Gordon College, Wenham, MA; and his talk entitled 'A Farwell to Harms: The Green Chemistry Commitment'.

Next, let's talk about activities and programs that were held and are being planned by the Wichita Local Section. In late November 2022, we hosted our 'Wichita Illuminations' end-of-the-year social event. There were about 50 people, including family members, who attended the dinner sponsored by the local section in the Weidenbach room of the 'Botanica, The Wichita Gardens'. After dinner, the attendees had the opportunity to experience the 'Illuminations' exhibit at the Botanica during its opening weekend for the yuletide season. This was the first, post-pandemic, social event that we hosted. Thank you to all who attended!

In December 2022, we had the section-wide elections. I am happy to announce the newly elected officers: Chair, Elect – Dr. Manula Koralegedara, McPherson College; Member-At-Large – Dr. Asa Tombs, Emporia State University; Public Relations Officer – Dr. Qiyang Zhang, Emporia State University; Webmaster – Dr. James Titah, Tabor College; Chair of Long-Range Planning Committee – Gayani Wijegunawardena, PhD-Candidate, Wichita State University; and Chair of Membership & Education, Ms. Maricar Harris, Wichita Collegiate School. Please join me in welcoming the new officers.

This calendar year 2023, the Executive Committee of the Wichita Local Section will be having its first ACS Strategic Planning Retreat (ACS-SPR) in September 10-11 at the Hyatt Place – Wichita State University. This is funded by the ACS Committee on Local Section Activities. The ACS-SPR provides an opportunity for the local section to confirm/define its mission/visions statements, and develop an actionable set of strategies to meet its goals. It is facilitated by seasoned volunteers of the ACS. Most importantly, we will be surveying all of our members/stakeholders in order to solicit feedback on goals and action items to help define our mission/vision. The blind survey will be sent via e-mail to all registered members, so please take your time to fill-up the survey.

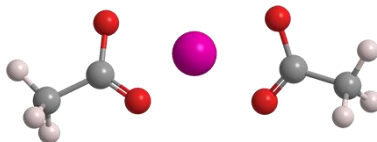
I hope to see you at the awards banquet on April 24th. If not, I encourage you to participate in our upcoming programs this year, so please WATCH OUT!

Sincerely,

Arvin J Cruz,

Chair, ACS Wichita Local Section

Molecule of the Week



Lead(II) acetate

Lead(II) acetate [Pb(OAc)₂] is an inorganic salt with several uses, notably as an ingredient in dyes and mordants. Even though it is highly toxic (see the hazard information table), in the past it has been used as a sweetener and preservative in wines and other foods. It is commercially available as the anhydrous salt or the trihydrate.

One of the earliest literature mentions of Pb(OAc)₂ was in the 21st article in an 1878 series about polyiodides (e.g., KI₃) by George Stillingfleet Johnson at King's College London. Several articles from the 1890s cite Pb(OAc)₂ in tests for whether it precipitates the anions of sodium or potassium salts under discussion. One of the salts was derived from what Pietro Biginelli at the University of Florence called "saligeninoxyacetic acid", now more properly named 2-[2-(hydroxymethyl)phenoxy]acetic acid.

2023 Section Executive Committee

Dr. Arvin Cruz, *Chair*
Fort Hays State University
ajcruz2@fhsu.edu

Dr. Manjula Koralegedara, *Chair Elect*
McPherson College
koralegm@mcpherson.edu

Dr. Jung Oh, *Secretary*
Kansas State Polytechnic
jroh@ksu.edu

Dr. Jenifer Settle, *Treasurer*
jsettle14@gmail.com

Dr. Paul Rillema, *Councilor*
Wichita State University
paul.rillema@wichita.edu

Robin Jackson, *Alternate Councilor*
robin.jackson@centralchristian.edu

Dr. Katy Layman, *Immediate Past Chair*
Bethel College
klayman@bethelks.edu

Dr. Dorothy Hannah, *News Letter*
Kansas Wesleyan University
dahanna@kwu.edu

Dr. James Townsend, *Web Master, Officer at Large*
Kansas Wesleyan University
james.townsend@kwu.edu

Dr. Asa Toombs, *Officer at Large*
Emporia State University
atoombs1@emporia.edu

Dr. Masa Watanabe, *Officer at Large*
Fort Hays State University
m_watanabe@fhsu.edu

Dr. James Titah, *Web Master*
Tabor College
jamestitah@tabor.edu

Dr. Kayla Eschliman, *News Letter*
Friends University
kayla_eschliman@friends.edu

Dr. Qiyang Zhang, *P.R.O.*
Emporia State University
qzhang2@emporia.edu

Wichita Section Web Site
<https://communities.acs.org/t5/Wichita-Local-Section/gh-p/wichita-ls>