

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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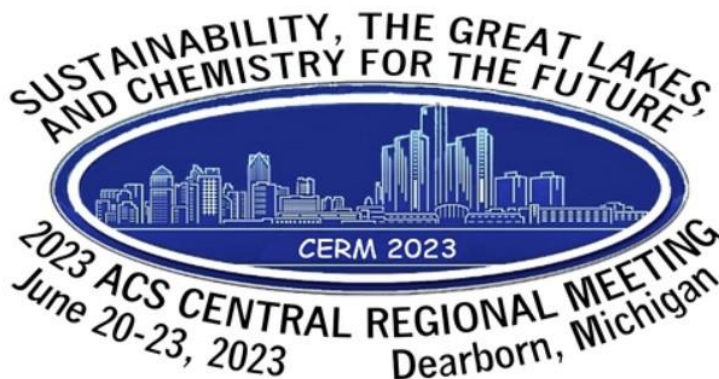
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2023 ACS Central Regional Meeting – Call for Abstracts and Award Nominations

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The material included within this article was provided in an email message, dated Wednesday, March 22, 2023, to members of the Central Region of the American Chemical Society.



The **2023 Central Regional Meeting (CERM)** will be hosted by the Detroit Local Section of the American Chemical Society and will focus on the chemistry being pursued within the region. The meeting theme is *Sustainability, the Great Lakes, and Chemistry for the Future*. In addition to symposia and poster sessions concerning organic chemistry, inorganic chemistry, analytical chemistry, physical chemistry, biochemistry, and chemical education, we hope to have sessions relating to advances in battery chemistry and electric automobiles, cannabis chemistry, hydrogen fuel cells, chemical safety, and a circular economy. A career fair and several social events will also be part of the programming.

CALL FOR ABSTRACTS

Abstracts for the 2023 CERM are now being accepted. **The deadline to submit abstracts is Monday, March 27, 2023.** To submit an abstract, please visit the 2023 CERM website: [Home | CERM 2023 \(acscerm2023.org\)](https://www.acscerm2023.org).

CALL FOR AWARD NOMINATIONS

The ACS prides itself on honoring the great people among us. From achievements made by those in a lifelong career of chemical research, to those who pass on their knowledge and understanding to the next generations, the ACS recognizes outstanding chemists to thank them for their devoted service to our field.

E. Ann Nalley Central Region Award for Volunteer Service to the American Chemical Society recognizes the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their Regional Activities. **The nomination deadline for this award is April 14, 2023.**

ACS Division of Chemical Education Central Region Award for Excellence in High School Teaching recognizes, encourages, and stimulates outstanding teachers of high school chemistry in the Central Region. **The nomination deadline for this award is April 14, 2023.**

For more information about these awards and the nomination process, please visit the following 2023 CERM website: [Home | CERM 2023 \(acscerm2023.org\)](https://www.acscerm2023.org).

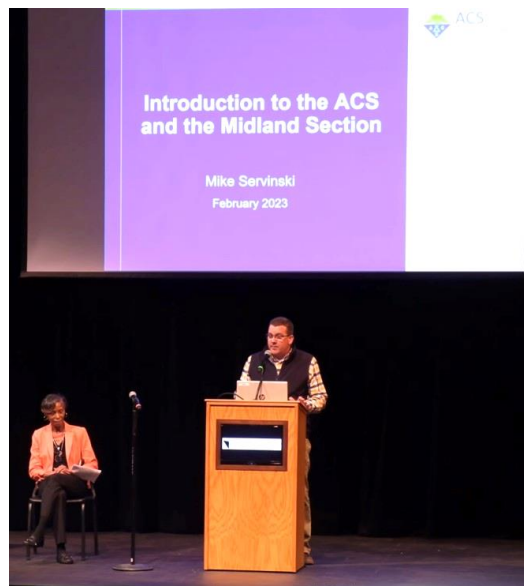
Midland Section ACS Supports Midland Public Schools Professional Development Effort **Mark Jones, Director, Midland Section ACS**

On February 17, 2023, Midland Public Schools (MPS) held a professional development day at Central Auditorium, in Midland. The diversity, equity, and inclusion (DEI) program directed at secondary school teachers was a presentation centered on increasing equity in chemistry through storytelling, developed with the support of the Midland ACS Local Section and with a focus on Dr. Bettye Washington Greene. Dr. Greene, the first Black Ph.D. woman hired by industry spent her career in Midland. The program was constructed around storytelling as a way to incorporate DEI content into school classes. The session armed about 200 local teachers with information necessary to share Dr. Greene's story – a story that took place in our community – with thousands of students.

It was fitting that Mike Servinski, Midland Section ACS Board Member and Midland High School teacher, kicked off the session. The session was his idea and could not have happened without his efforts. His comments

introduced the teachers to the American Chemical Society, the National Historic Chemical Landmarks program, the Midland Local Section, and our outreach programs.

Dr. Sibrina Collins, Executive Director of STEM Education, College of Arts and Sciences, Lawrence Technological University, began the session by sharing a video on the life of Dr. Greene created and produced by Lawrence Tech Student Logan Daniher, with Dr. Collins serving as the Executive Producer. The eight-minute film was followed by Dr. Collins' presentation, *Using Storytelling to Advance Equity in Chemistry*.



Mike Servinski, Midland Section ACS Board member and Midland High School teacher, kicked off the session with an introduction to the ACS and the Midland Section.



Dr. Sibrina Collins, Executive Director of STEM Education at Lawrence Technological University, during her presentation, *Using Storytelling to Advance Equity in Chemistry*.

A panel discussion followed moderated by De'Ondre Hogan, Director of Diversity, Equity, and Inclusion at Midland Public Schools. Included on the panel were Vennesa Jansma, Associate Research Scientist at Dow; Bertha Vaughn, now retired after a 30-year career with Dow Chemical, S.C. Johnson, and Kimberly-Clark Corporation; and Danielle Berry, a Senior Research Specialist at Dow Performance Silicones.

"I am grateful for the collaboration between the American Chemical Society and Midland Public Schools," said De'Ondre Hogan. "Together, we were able to bring diverse perspectives to MPS teachers and honor the legacy of Dr. Bettye Washington Greene. MPS teachers were able to hear practical strategies from accomplished professionals in various STEM realms."

Hogan went on to thank the ACS. "This effort began nearly a year ago, and I am extremely proud of the resulting impact of passionate conversation, planning, and engagement. Especially from Dr. Sibrina Collins, Mike Servinski, and Mark Jones."

In early 2022, efforts were underway, in collaboration with Dr. Collins, to prepare a nomination package for Dr. Greene with the American Chemical Society's National Historic Chemical Landmarks program. Discussion around events that would share Dr. Greene's accomplishments with the community led Mike Servinski to

suggest approaching the local school district. “MPS has made DEI a priority and this was a great opportunity to advance that with the local ACS section,” Servinski observed. Mike approached Alison Cicinelli, then in the role of Secondary Curriculum Specialist, who enthusiastically supported the idea. When Alison transitioned to another role, De’Ondre Hogan joined as an equally enthusiastic supporter of the program.

It appears the program was a success. Servinski reports, “In the days following the program several teachers had discussions with me on how they were going to try to incorporate storytelling into their classes more and that the need to do this across subject areas was the driving force.”



Panel discussion participants (left to right), moderator De’Ondre Hogan with panelists Danielle Berry, Bertha Vaughn, and Vennesa Jansma.

We are indebted to Sibrina Collins for her willingness to participate, to share her expertise, and for her efforts to document Dr. Greene’s contributions. We must also thank her for braving less than ideal February weather traveling to Midland. Her involvement in the Midland program illustrates how networks developed through the ACS can reap benefits. She works through her efforts and through the Landmarks program to illuminate untold stories. Her willingness to document and share these stories provides value for future generations. “Educators need resources and must continue to develop new strategies to engage students in the classroom,” said Dr. Collins. “History of science and the teaching resources from the National Historic Chemical Landmarks program can certainly be useful to incorporate into course curricula.” The Landmarks committee prepares a booklet and lesson plans for Landmarks, free resources for sharing stories of science and accomplishment.

A National Historic Chemical Landmark was approved in January 2023 recognizing Dr. Greene as the first Ph.D. Black woman hired by industry, the fifth Black woman granted a Ph.D. Both Wayne State University, where Dr. Greene completed her Ph.D., and Midland, the location of Dow, her industrial employer, will be recognized. It is Midland’s third Landmark to date. Wayne State is planning an event concurrent with an endowed lectureship in Dr. Greene’s honor scheduled for October 27, 2023. It is likely the Midland ceremony will be timed to coincide with this event. We are seeking ideas on how best to involve the Midland community, so please reach out with ideas.

Hogan suggests, “I am confident that this collaboration has opened the door to continuous engagement between the ACS and MPS science and math teachers.” All are hoping he proves to be correct.

The movie shown by Dr. Collins is available on YouTube at <https://www.youtube.com/watch?v=7cVw7Vhwc8o>. The entire February 17, 2023, MPS Professional Development Day is also available on YouTube at <https://www.youtube.com/watch?v=tBlvaMEEpAQ>.

Making HERstory: Women in Science
Steve Keinath, Co-Editor, The Midland Chemist

Please join Gina Malczewski in a special Microsoft Teams Meeting seminar on Thursday, March 16, 2023, from 12:00 to 1:00 PM.

Microsoft Teams Meeting Link Meeting ID: 214 833 801 814 Passcode: xGHFYM



Making HERstory
Women in Science
by Regina Malczewski
12:00 – 1:00 pm, March 16th, 2023
Microsoft Teams Meeting Link Meeting ID: 214 833 801 814 Passcode: xGHFYM

This seminar summarizes various aspects of the difficulties women have faced in STEM careers in the last 200 years, from the sources of prejudice and lack of representation in various disciplines, to the personal stories of women like Alice Ball, Rachel Holloway, Chien Shiung Wu, Lisa Meitner and Marie Curie, all of whom fought to obtain the education they desired, and endured lack of workspace, inability to advance, loss of recognition, and personal prejudice to achieve in their various fields. Dow's Bettye Washington Greene, recently honored for being the first Black female PhD scientist in industry, will also be featured, and the future of women in STEM will be discussed as well.

Speaker Bio:

Gina Malczewski has a PhD from the University of Michigan and held a postdoctoral position at Michigan Molecular Institute. She received a teaching certification in 2007 in secondary Biology, Chemistry, and General Science. During her 29-year career with Dow Corning, she worked in personal care, medical materials, the business incubator, and the silicon biotechnology groups and received a Technical Achievement Award in 1992. Gina has served the Midland Section ACS as Secretary, Chair (twice), and Director. She has been in charge of centennial projects since 2016 and has served as Scholarship Chair and Outreach Co-chair. In 2019, Gina was named an Outstanding Senior Volunteer for the State of Michigan by Governor Whitmer and was also recognized as an ACS Fellow; she also received the ACS National Helen M. Free Award for Public Outreach in 2015. She has three grown sons, one grandson, and lives with her husband Frank in Midland.

2023 Great Lakes Bay Area Project SEED Summer Internships

Michell Rivard, Outreach Committee, Midland Section ACS

The Midland Section of the American Chemical Society is now accepting student applications for our PAID summer internships program! **The deadline to submit an application is Friday, March 31, 2023.** Please see <http://www.acs.org/projectseed> for more information about the ACS Project SEED program.

This opportunity is open to rising high school juniors, seniors, and 2023 high school graduates that have taken at least one year of chemistry and qualify financially (see the Financial Eligibility Requirements below).

This year, we are planning to offer up to **18 PAID** STEM Summer Research Internships at area colleges and universities. First-time SEED students will earn \$3,200 during a 7- to 10-week program. Both in-person and virtual internships are available.

In-Person Internships:

- Central Michigan University – 4 internships
- Saginaw Valley State University – 2 internships
- Delta College's Downtown Midland Center – 4 internships
- Michigan State University's St. Andrews location, in Midland – Up to 6 internships (rising Seniors and 2023 graduates only)

Virtual Internships:

- Central Michigan University – 2 internships (reserved for individuals not close to a physical SEED experience location)

Methods for Demonstrating Financial Eligibility:

Students must provide one of the following to demonstrate financial eligibility:

- A copy of a 1040 tax form showing that the annual adjusted gross income within the last two years has been 200% or less of the [Federal Poverty Guidelines](#) for household size.
- Documentation showing that the student is eligible for a Free and Reduced Lunch Program (FRLP) at his/her/their school.
- Documentation showing that the family is eligible for Special Supplemental Nutrition Program for Women, SNAP, or WIC for Infants and Children (also referred to as EBT or food stamps).
- Documentation showing participation in a TRIO program such as Upward Bound or other programs geared towards socioeconomically challenged families.

Please contact Michelle Rivard at michelle.rivard@dow.com for any questions or concerns. Thank you.



GREAT LAKES BAY AREA PROJECT SEED INTERNSHIPS



Midland Local Section of the American Chemical Society is excited to announce that we have **14-18 PAID** summer research internships available this summer at Saginaw Valley State University, Central Michigan University, Michigan State University –St. Andrews site (Midland), and Delta College Downtown Midland Center.

Interested in science and chemistry? Apply for a summer internship! Application is open **Feb 8 to March 31, 2023**

ONLINE APPLICATIONS DUE BEFORE MARCH 31, 2023

For more info on program dates, eligibility criteria, and to apply visit www.acs.org/projectseed or email project-seed@midlandacs.org

Program Benefits:

- Paid internship (\$3,200-\$3,800)
- Hands-on research experience in a lab
- Great addition for your resume and college application
- Scholarship opportunities for college (\$5,000-\$20,000 in scholarships over 1-4 years)



2023 Spring Awards Nominations and Banquet Reservations

Diana Deese, Awards Committee Chair, Midland Section ACS

Nominations are still being accepted! Please note that the March 31, 2023, nomination deadline is fast approaching, however.

Nominations are invited for the following areas:

- Outstanding Elementary Level Science Teaching
- Outstanding High School Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Bettye Washington Greene Award for Outstanding Scientist
- Team Innovation Award
- Outstanding Middle Level Science Teaching
- Outstanding College Chemistry Teaching
- Outstanding Chemical Technician

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form emailed to the department contact. One selection per school, please; no supporting letters are needed. The deadline for submission is March 31, 2023.

Award criteria and prior recipients are available at awards.midlandacs.org, in the [January](#) and [February](#) issues of the *Midland Chemist*, or by request from dkdeese@dow.com.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored at the 2023 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, May 3, 2023. Several guest speakers, including the U.S. Department of Energy Secretary and Undersecretary and dignitaries from local businesses, have been invited and will be announced in the April issue of the *Midland Chemist*.

(Electronic submissions are acceptable and preferred.)

Phone: (989) 636-9915, Email: awards@midlandacs.org or dkdeese@dow.com

For a list of ACS National Awards and local award recipients from prior years, please see the [January](#) and [February](#) issues of the *Midland Chemist*. As always, contact me if you have any questions! I hope to see everyone on May 3, 2023, at the Great Hall Banquet & Convention Center, in Midland!



ACS Spring Awards Recognition Dinner – RSVP Deadline, April 25
Diana Deese, Awards Committee Chair, Midland Section ACS

ACS Recognition Dinner

Wednesday, May 3, 2023, 5:30 PM to 9:00 PM

Great Hall Banquet & Convention Center at Valley Plaza Resort
5121 Bay City Road, Midland, Michigan

Program

5:30 PM – Cash Bar and Social Time

6:00 PM – Dinner

6:45 PM – Featured Speaker

7:15 PM – Awards Presentations

Educators, students, ACS members, industry colleagues, and 50-, 60-, 70-year ACS members/retirees will be recognized for their outstanding achievements at this 32nd annual event. Our special guest speaker is yet to be determined and will be announced next month.

Mark your calendar and join us in support of our award recipients, to connect with colleagues, or just to mingle with a diverse group of people passionate about science! The cost of the dinner is \$20.00 per person and includes a plated chicken dinner, dessert, and beverage. A pre-dinner cash bar will be available. Your dinner reservation request must be received by April 25, 2023.

Payment options will be via the ACS Midland Section website www.midlandacs.org and using the [Signup Genius button](#) to RSVP and conveniently pay ahead of time, at the door the evening of the event, or by mail using the address indicated below. Dress is business casual. This event is sponsored by the Midland Section of the American Chemical Society. For further information, contact Diana Deese at (989) 636-9915.

To reserve your spot by mail, return this form with payment (\$20.00/person) by **April 25, 2023**, to Diana Deese, The Dow Chemical Company, 1897 Building, E-bay East: E65, Midland, MI 48667, or RSVP via email to dkdeese@dow.com. If paying at the door, you must still RSVP to Diana by April 25.

Name(s): _____

Affiliation: _____

Address: _____

Phone/Email: _____

ACS member? Yes / No (indicate by circling your member status)

Dietary Considerations: _____

Enclose payment of \$20.00 per person. Checks should be made payable to “Midland Section ACS”

ACS Fall 2023 National Meeting – Harnessing the Power of Data

Steve Keinath, Co-Editor, The Midland Chemist

Abstracts for oral and poster presentations for the ACS Fall 2023 National Meeting & Exposition are now being accepted. The meeting theme, **Harnessing the Power of Data**, will be at the core of programming. Sessions for the hybrid meeting (in-person & virtual) will be held in San Francisco, CA, and virtually, August 13-17, 2023. Those who wish to submit an abstract will have the option of selecting a virtual or in-person abstract submission.

ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

Please visit the [ACS Fall 2023 meeting website](#) to find a list of the programming divisions and planned symposia open for abstract submissions. **The deadline to submit an abstract is Tuesday, April 4, 2023.**



Illustrated Poem Contest for Chemists Celebrate Earth Week (CCEW)

Michell Rivard, Outreach Committee, Midland Section ACS

The Midland Section of the American Chemical Society is hosting its annual illustrated Poem Contest tied to Chemists Celebrate Earth Week (CCEW). This year's theme is *The Curious Chemistry of Amazing Algae*.

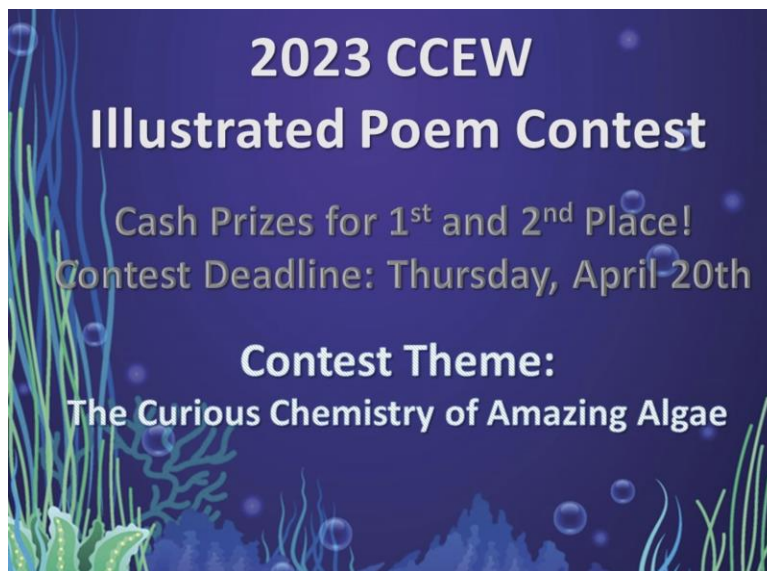
Please go to our website (www.midlandacs.org) and download the contest flyer with the due date and rules, an entry form, and *Celebrating Chemistry* magazine. The magazine is useful for students to get ideas for their poem.

Submitted illustrated poem entries will be displayed at our annual Earth Day Action Expo, on Saturday, April 22, from 11:00 AM to 3:00 PM, at H.H. Dow High School in Midland <https://midlandacs.org/events/earth-day-action-expo-2023/>.

The Illustrated Poem Contest deadline is Thursday, April 20, 2023, at 11:59 PM EST.

There will be cash prizes for 1st and 2nd place winners in each grade category. Winners will also be honored at our annual Spring Awards Banquet event on Wednesday, May 3, 2023, at the Great Hall Banquet & Convention Center, in Midland.

Please contact Michelle Rivard at michelle.rivard@dow.com for any questions or concerns. Thank you.



Earth Day Action Expo 2023, Save the Date, April 22
Gina Malczewski, Outreach Committee, Midland Section ACS

Midland Section ACS Outreach event, "Earth Day Action Expo 2023." Free event at H.H. Dow High School, in Midland. Activities for all ages, and open to everyone. Co-sponsored by Midland Section ACS, Midland Center for the Arts, Midland Recyclers, Dow High Go Green Club, and MSU St. Andrews. Watch here for more details to follow. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.



2023 Turner J. Alfrey Visiting Professor Lecture Series, June 6

Clare Light, Project/Event Coordinator, MSU St. Andrews

We are pleased to announce that Prof. Karen L. Wooley from [Texas A&M University](#) will be the guest lecturer for the [2023 Turner J. Alfrey Visiting Professor Lecture Series](#).

Date: Tuesday, June 6, 2023 Time: 9:00 AM to 5:00 PM

Location: MSU St. Andrews, 1910 West St. Andrews Road, Midland

Guest Lecturer: Prof. Karen L. Wooley



Professor Karen L. Wooley

Karen L. Wooley holds the W.T. Doherty-Welch Chair in Chemistry and is a University Distinguished Professor at [Texas A&M University](#). She studied at Oregon State University (B.S., 1988) and Cornell University (Ph.D., 1993). The first sixteen years of her independent academic career were spent at Washington University in St. Louis, Missouri, and she then relocated to Texas A&M University in July 2009. In addition to her academic positions, she is the co-founder and President of [Sugar Plastics, LLC](#), and Chief Technology Officer of [Teysha Technologies, LTD](#).

Her research interests include the synthesis and characterization of degradable polymers derived from natural products, unique macromolecular architectures, complex polymer assemblies, and well-defined nanostructured materials. She has designed synthetic strategies to harness the rich compositional, regiochemical, and stereochemical complexity of natural products for the construction of hydrolytically-degradable polymers, which have impact toward sustainability, reduction of reliance on petrochemicals, and production of biologically-beneficial and environmentally-benign natural products upon degradation. These materials are expected to impact the global issue of plastic pollution and address challenges resulting from climate change.

Recent awards include election as a Fellow of the American Academy of Arts and Sciences (2015), National Academy of Inventors (2019), American Association for the Advancement of Science (2020), American Institute for Medical and Biological Engineering (2020), and National Academy of Sciences (2020). She was also named as the 2021 Southeastern Conference (SEC) Professor of the Year.

- Lectures will take place in person at MSU St. Andrews, in Midland.
- Networking luncheon included from 12:30 – 1:30 PM in the MSU St. Andrews Rotunda sponsored by the [Midland Section of the American Chemical Society](#).
- Dr. Wooley and her associate, [Ashlee Jahnke](#), will deliver five, 45-minute talks throughout the day, discussing topics related to the [Wooley Research Group](#).
- Time will be allowed for Q&A and discussion.

[Registration is open now through Friday, June 2, 2023, by clicking here.](#)

This is a free event, but pre-registration is required to help plan for the networking luncheon. Please share information about this event with others that may be interested in attending.

Watch here for more details to follow and check back soon for the complete agenda and list of lecture summaries. For more information, please contact Clare Light at lightcla@msu.edu.

Announcing the National Graduate Research Polymer Conference 2023 ***UofM Macromolecular Science and Engineering Program***

The National Graduate Research Polymer Conference (NGRPC) is one of the largest student-run polymer research conferences in the country. This conference series was established in 1994 by the American Chemical Society's Division of Polymer Chemistry (ACS-POLY) to provide polymer science & engineering graduate students the opportunity to present their work, network, and interact with polymer scientists in industry, academia, and government.

National Graduate Research Polymer Conference 2023 **June 29 through July 1, 2023** **Michigan Union, University of Michigan, Ann Arbor**

NGRPC 2023 will be hosted by the [Macromolecular Science and Engineering Program](#) at the University of Michigan. Click [here](#) to meet our organizing committee members.

Midland Section ACS Scholarship Fund Update and Encouragement to Give in 2023 ***Gina Malczewski, Director and Scholarship Committee, Midland Section ACS***

In May of 2021, Dr. Wendell and Marcia Dilling issued a challenge relative to growing the Midland Section ACS Scholarship Fund. At that time, they committed \$18,000 of matching money to grow the fund to \$100,000 by matching dollar for dollar all contributions made to the fund until it reached the target goal.

To date, there have been six contributions amounting to \$1,980.76, and recently Wendell and Marcia honored their matching donation commitment by submitting a check in the amount of \$2,000 to the Midland Area Community Foundation, the entity that holds and manages the Midland Section ACS Scholarship Fund.



Dr. Wendell and Marcia Dilling

Wendell and Marcia have recommitted to their original pledge and will continue to provide matching money until their contribution reaches \$18,000, or perhaps a little more upon future reflection. The long-rang goal remains the same, to increase the Midland Section ACS Scholarship Fund principal balance to \$100,000 to enable offering additional and perhaps larger year-by-year scholarships to well-deserving students across the greater Midland Section ACS region.

Although the current balance in the scholarship fund is a little less than where it stood when Wendell and Marcia issued their matching gift challenge (\$60,458.49 as of mid-September 2022), the investment strategies practiced by the Midland Area Community Foundation remain sound. Since May of 2021, the fund balance has decreased a mere 6.9%, pretty remarkable when considering what many of us have been seeing with the value of our own personal retirement accounts.

Continuing to invest now, when the stock market is in a bear market, means that proportionally lower cost shares of stock can be purchased now that will ultimately produce greater yields when the stock market turns around once again.

The Midland Section ACS has been proud to offer scholarships to deserving undergraduate students majoring in a chemical science since 2002. Annually, two to four scholarships are awarded to candidates who have graduated from a high school in one of the Section's five counties (Bay, Midland, Saginaw, Isabella, and Gratiot), are studying at a Michigan university, and are ideally intending to pursue a career in some aspect of chemistry or chemical engineering. Selections are made by a committee and are based on academics, service and extracurricular contributions, and an essay on the student's sources of motivation as well as future plans. Past scholarship recipients are often highlighted in issues of the *Midland Chemist*.

Awards usually range from \$1,000-2,000, depending on the financial performance of the Midland ACS Scholarship Fund (#399) administered through the Midland Area Community Foundation. A long-standing goal of the Midland Section ACS has been to raise the base amount to \$100,000 to serve more students.

Wendell and Marcia Dilling, both chemists and long-time supporters of the Midland Section ACS, are prepared to continue to help us reach that goal by donating up to \$18,000 as part of a challenge grant to the scholarship fund. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple years.**

Please consider contributing to this worthwhile cause. **Your donations will help shape the future of chemistry!** If you have any questions about contributing to the Midland Section ACS Scholarship Fund, please call the Midland Area Community Foundation at 989-839-9661. Thank you.

An online donation form can be found through the following link:

[Midland Section American Chemical Society Endowed Scholarship Fund #399](#)



In Memoriam – Chi-Long Lee
Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: The obituary notice for Chi-Long Lee as it appears here is reprinted, in part, from the Tuesday, January 31, 2023, issue of the *Midland Daily News*. Chi-Long was a prolific silicone polymer scientist, working at Dow Corning Corporation his entire career. In 1987, he was recognized with a Fire of Genius Award from the Saginaw Valley Patent Law Association, and in 1995, he was named a Dow Corning Science and Technology Fellow. Chi-Long joined the American Chemical Society in 1964, and was a long-standing member of the ACS throughout his Dow Corning career.



Chi-Long Lee, 91, of Midland, MI, passed away on December 30, 2022, after a prolonged illness. He was born on October 13, 1931, in Taiwan, the fourth of 10 children. After surviving the Japanese occupation of Taiwan during World War II, he completed his schooling in Taiwan prior to immigrating to Canada, from which he graduated with a Master's Degree in Forestry from the University of British Columbia in 1960. He then completed a combined dual Doctoral Degree program in Polymer Chemistry and Forestry from the State University of New York College of Environmental Science and Forestry in 1964.

He came to Midland to work for the Dow Corning Corporation, where he was widely recognized for his technical expertise in the fields of silicone polymer synthesis, polymer characterization, kinetics of polymerization, polymer structure property relationships, and organometallic chemistry. In 1987, he received the Fire of Genius Award from the Saginaw Valley Patent Law Association "in recognition of his long-term innovation in the field of silicone polymers." In 1995, he was named a Dow Corning Fellow, Science and Technology, for "outstanding performance, international recognition, and mentoring activities which have had a significant global impact on Dow Corning."



A prolific scientist by any measure with a long track record of productive industrial research, he retired in 2000 with 55 publications and over 130 patents to his credit.

He is survived by his wife of 60 years, Su-Ching Lee, also of Midland, MI, three sons and their spouses, David Lee and Jennifer Choe of New York, NY, Michael Lee and Jacqueline Nguyen of Henderson, NV, and Kenneth Lee and Leslie Lien of Manchester, NH, as well as seven grandchildren.

Chi-Long was an avid gardener and loved to fish and play tennis. A memorial service will be planned for the summer in Midland.



Upcoming Dates, Events, and Other Updates

- March 6 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - March 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- March 16 (12:00 – 1:00 PM) – *Making HERstory: Women in Science*, Microsoft Teams Meeting seminar by Gina Malczewski, Midland Section ACS Director. Microsoft Teams Meeting coordinates – Meeting ID: 214 833 801 814, Passcode: xGHFYM.
- March 26-30, 2023 – ACS Spring 2023 National Meeting & Exposition, Indianapolis. In-person and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry*. For more information about the ACS Spring 2023 meeting, please see [ACS Spring 2023](#).
- March 27 – **Deadline to submit abstracts for the ACS 2023 Central Regional Meeting**, Dearborn, MI. Meeting theme: *Sustainability, the Great Lakes, and Chemistry for the Future*. For more information or to submit an abstract, please see [Home | CERM 2023 \(acscerm2023.org\)](#).
- March 31 – **Deadline for Midland Section ACS Spring Awards nominations** to honor outstanding educators, volunteers, and colleagues. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- March 31 – **Deadline to submit an application for the 2023 Great Lakes Bay Area Project SEED Summer Internship program**. Please see <http://www.acs.org/projectseed> for more information about the ACS Project SEED program, in general, and contact Michelle Rivard at michelle.rivard@dow.com for any questions or concerns about the local SEED program experience.
- April 3 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - April 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- April 4 – **Deadline to submit abstracts for the ACS Fall 2023 National Meeting & Exposition**, San Francisco, CA, August 13-17, 2023 (in-person and virtual). Meeting theme: *Harnessing the Power of Data*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- April 20 – **Deadline to submit entries for the Illustrated Poem Contest for Chemists Celebrate Earth Week (CCEW)**. Theme: *The Curious Chemistry of Amazing Algae*. Please see the accompanying article on pages 10-11 for more information. Contact Michelle Rivard at michelle.rivard@dow.com for any questions and concerns.
- April 22 (11:00 AM to 3:00 PM) – Midland Section ACS Outreach event, “*Earth Day Action Expo 2023*.” Free event at H.H. Dow High School, in Midland, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- May 1 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - May 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- May 3 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. **Cost: \$20.00 per person. RSVP deadline: April 25.** Please see the accompanying ACS Spring Awards Recognition Dinner announcement on page 9 for more details. For more information or any questions, please contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.

- June 5 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - June 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- June 6 (9:00 AM to 5:00 PM) – 2023 Turner J. Alfrey Visiting Professor Lecture Series program, featuring Prof. Karen Wooley from Texas A&M University, MSU St. Andrews, 1910 West St. Andrews Road, Midland. For more information, please see the accompanying article on pages 12-13. This event is free, but pre-registration is required to help plan for the networking luncheon. To pre-register, please click on [2023 Turner J. Alfrey Visiting Professor Lecture Series](#). For additional information or any questions, please contact Clare Light at lightcla@msu.edu.
- June 20-23, 2023 – ACS 2023 Central Regional Meeting, Dearborn, MI, hosted by the Detroit Section ACS. Meeting theme: *Sustainability, the Great Lakes, and Chemistry for the Future*. For more information or to submit an abstract, please see [Home | CERM 2023 \(acscerm2023.org\)](#). **The deadline to submit abstracts for the 2023 CERM meeting is March 27.**
- June 29 – July 1, 2023 (Time TBD) – National Graduate Research Polymer Conference 2023, hosted by the [Macromolecular Science and Engineering Program](#) at the University of Michigan. For more information, please see the accompanying article on page 13.
- August 7 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - August 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- August 13-17, 2023 – ACS Fall 2023 National Meeting & Exposition, San Francisco, CA. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Harnessing the Power of Data*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#). **The deadline to submit abstracts for the ACS Fall 2023 National Meeting & Exposition is April 4.**
- September 11 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - September 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648. **Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months due to the Labor Day holiday.**
- October 2 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - October 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- November 6 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - November 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.
- December 4 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - December 2022](#), Meeting number: 126 651 0648, or by phone at Phone number: 415-655-0001, Access code: 126 651 0648.

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