

# THE MIDLAND CHEMIST

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## Chair Column

*Krishnaja Duvvuri, Chair, Midland Section ACS*



Dear Reader,

Happy New Year 2025! As we usher in the New Year, I extend my warmest wishes to each of you. It is both an honor and a privilege to serve as the Chair of this esteemed ACS local section. I express my heartfelt gratitude to 2024 Chair Erin Vogel and the Board for their outstanding work in 2024 and warmly welcome the newly elected officers. I look forward to collaborating with all of you in 2025!

Our Section’s committees are the backbone of our organization, driving our diverse array of activities and initiatives. I extend my deepest gratitude to all committee chairs and volunteers for their relentless dedication and efforts. Your passion and commitment not only enable our endeavors but also embody the spirit of collaboration and excellence that defines our local

section. One of my intentions with this column is to highlight and amplify the great work that is being done by our committees. I aim to showcase their achievements, share their innovative ideas, and provide a platform to celebrate their contributions to our community. If you are interested in becoming involved in our committees or volunteering in any capacity, I encourage you to reach out to me ([chair@midlandacs.org](mailto:chair@midlandacs.org)) or anyone on the Board to learn more about the roles and opportunities.

In 2024, two key committees, the Women Chemists Committee (WCC) and the Young Chemists Committee (YCC), were revitalized under the leadership of outstanding committee chairs. Looking ahead, I am eager to collaborate with these, and other committees, to increase engagement and representation from various local companies. We will continue to offer professional development opportunities, including workshops and seminars that cater to a wide range of interests and career stages. Whether you are a seasoned professional or just beginning your career, our goal is to provide you with the necessary resources and support to achieve success.

Outreach has been a significant pillar contributing to the success and impact of our local section. I am eager to witness the continued growth and further success of the outstanding programs dedicated to educating future generations, such as Kids and Chemistry, Project SEED, Chemistry Olympiad, and Chemists Celebrate Earth Week, among others. This year, we are also excited to collaborate with NOBCCHE and the Dow Promise program in our efforts to inspire young minds to pursue STEM careers by connecting them with professionals in the chemical industry.

Another of my priorities in 2025 is to collaborate with our Section's leaders to explore digital avenues for enhancing our approach to historical documentation. By leveraging technology, we aim to better preserve and share the rich history of our section. Additionally, our website functions as an active platform for sharing resources, updates, and announcements with our members. Collaborating with our webmaster and other stakeholders, we plan to further enhance its usability and accessibility, and ensure that the website remains up to date, thereby extending our reach and enhancing our impact. This ongoing effort will ensure that our members will stay well-informed and actively engaged.

As we embark on this new year, I encourage all of you to stay curious, stay engaged, and continue to pursue your passion for chemistry. I am excited to see what we will accomplish together in 2025!

Once again, Happy New Year to all. May this year bring you, health, happiness, and success in all your endeavors.

### **Virtual Astronomy Night at MSU St. Andrews, January 8**

***Robin McGuire, Science Educator, MSU St. Andrews, Midland***

#### **Quasars, Active Galaxies, and Supermassive Black Holes (Radio Astronomy Part II)**

Wednesday, January 8, 2025, 7:00 PM EST, MSU St. Andrews STEM Center, Midland (Virtual only)

Register to receive the Zoom link: [https://msu.zoom.us/webinar/register/WN\\_d219bSCYS7mXQbdTv-dwgw](https://msu.zoom.us/webinar/register/WN_d219bSCYS7mXQbdTv-dwgw)

Did you know that most radio point-sources in the sky come from far beyond our Milky Way – from distant galaxies of their own? Were you aware that the radio signals from these galaxies show structures that can be dozens of times larger than the host galaxies themselves? How is that possible? Radio astronomers have also identified quasars, which are at once the most distant objects in the universe, as well as the brightest – even brighter than supernovas! What do these amazing things have in common? They are all believed to be powered by supermassive black holes! Have you heard that there is a supermassive black hole at the center of our own

Milky Way galaxy? Well, then why is our black hole so much fainter than the ones in distant galaxies and quasars, which can be thousands of times brighter than our entire galaxy? Are you aware that radio astronomers have recently obtained actual images of supermassive black holes? Join Dr. Edmund Stark and the MSU St. Andrews STEM Center by Zoom to learn more.


Adults and families with school-age or older children are invited to join MSU St. Andrews virtually for a presentation on quasars, active galactic nuclei, and supermassive black holes. We will show you amazing radio images of truly massive features, much larger than the galaxies that contain them. We will examine powerful particle jets, gigantic gas plumes, and hot spots that can reach trillions of degrees – most of which are completely invisible in “normal” light! Along the way, we will describe some of the extremely clever techniques in radio astronomy, like interferometry and aperture synthesis, so that you can understand what radio telescopes actually do. We will even show off recent radio images of black holes themselves! Perhaps more importantly, we will discuss what the details of these images tell us about polarization, magnetic field lines, and modern theories about how black holes might work.

Plus, we will also talk about what we actually can see, with ordinary visible light, in the beautiful nighttime skies of January. The Great Square of Pegasus is still in the sky, pointing the way to Andromeda, Perseus, Cetus, and more, but now a new landmark has arisen – brilliant Orion, which points the way to all the constellations in the Winter Hexagon, like Taurus, Auriga, and Gemini. Winter skies have the brightest constellations of the year; don't miss them! Plus, Jupiter is visible all night, Venus shines brightly at sunset, Saturn is also out in the early evening, and Mars comes out later at night. We will show you how to find all these things (and more) for yourself.

### **Kids Day at the Midland Mall, January 25**

***Gina Malczewski, Outreach Committee, Midland Section ACS***

Midland Section ACS Outreach event, “*Kids Day at the Midland Mall.*” Free event, cosponsored by Midland Section ACS and Midland Recyclers, open to everyone. For more information, please contact Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).



**Come to the  
MIDLAND ACS  
station  
for  
“PICTURE  
PERFECT  
CHEMISTRY”**

Hands-on and make-  
it/take it activities.  
Interactive learning  
about all kinds of  
IMAGING!

## Announcing the 2025 Spring Awards Recognition Banquet and Call for Nominations

*Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS*

The 34th annual American Chemical Society-Midland Section Spring Awards Recognition Banquet is scheduled for Wednesday, April 30, 2025, at the Great Hall Banquet & Convention Center in Midland. Please consider taking a moment to read about the awards that are open for nominations and consider nominating a worthy peer. Details of the program, including the featured speaker, are still being finalized. Watch for the *Midland Chemist* March issue for all the information and how you can register to attend.

The awards program is about recognizing outstanding educators, volunteers, and colleagues that you have graciously taken the time to nominate. The awards banquet is a great way to connect with others in the industry, those who have gone before us, those who teach the next generation, and those who will be following in our footsteps. Please consider joining us on Wednesday, April 30. We continue with the goal of having outstanding students from all area high schools and universities/colleges recognized, and to have a nominee for each award offered this year. Please help make this happen as there are very deserving people in every category!

The process of nominating is very easy. The minimum submission criteria for nominations are a quality nominating letter extolling the virtues of your nominee and supporting the criteria of the award, along with one supporting letter of recommendation, two are even better (outstanding high school and collegiate student awards require only the nomination form submitted by the appropriate chemistry teacher or department head). The letter must state why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards committee co-chairs via email.

Consider getting your colleagues together for lunch and putting together a nomination packet. If you are in a managerial role and are worried about favoritism, consider nominating two to three qualified persons (you will remain anonymous, if requested, and nominations are considered for three years). If you would like to be considered for an award, there is the option to self-nominate. If you are a parent, consider nominating your child's outstanding science or chemistry teacher, or a science volunteer you know. It takes less than an hour to put together an award-winning letter and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your generous deed.

Previous award recipients are listed at the end of this article (see pages 9 to 13) as nominees must not have received the award that they are being nominated for within the past ten years. Nominations not meeting the minimum requirements, and submissions received after the **Sunday, March 23, 2025, deadline**, will not be considered.

Please reach out if you have any questions to Wendy Flory ([wcfloery@dow.com](mailto:wcfloery@dow.com)) or Tami Sivy ([tsivy@svsu.edu](mailto:tsivy@svsu.edu)), Midland Section ACS Awards Committee Co-Chairs.

## **Call for Nominations: 2025 Teaching, Volunteer, Education, and Chemical Sciences Awards**

**Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS**

The Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences each year. Nominations for the 2025 awards are invited for the following areas:

- Outstanding Achievement: Elementary Level Science Teaching
- Outstanding Achievement: Middle Level Science Teaching
- Outstanding Achievement: High School Chemistry Teaching
- Outstanding Achievement: College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering ***(Not offered this year; awarded every other year)***
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students
- Team Innovation Award

### ***Outstanding Science / Chemistry Teaching Awards***

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland, and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary Level, Middle Level, High School, and College.

### ***Science Education Volunteer of the Year***

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

### ***Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering (Not offered this year; awarded every other year)***

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section ACS Diversity and Inclusion Committee are ineligible to receive this award.

### ***Outstanding Achievement and Promotion of the Chemical Sciences***

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member. **The deadline for nominations is Sunday, March 23, 2025**, so that the Midland Section ACS Board can reach a decision at their April Board meeting.



### ***Outstanding Service to the American Chemical Society***

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section and supporting letters from fellow ACS members.

### ***Outstanding Chemical Technician***

The Section presents an annual Outstanding Chemical Technician Award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. The nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations should include outside affiliations. *Request the National ACS nomination form from the awards committee co-chairs to nominate in this category.*

### ***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 attached to this call for nominations (see page 8). One selection per school; no supporting letters are needed. **The deadline is Sunday, March 23, 2025.**

### ***Team Innovation Award***

Up to three awards per year recognizing the teams responsible for successful, commercialized product or process innovation taking place in the Midland Section area within the current or previous two calendar years. One award will be reserved for organizations with less than 300 employees. ACS membership is not required. Nominations will be judged on inventiveness, impact (economic, environmental, societal), and connection to the Great Lakes Bay Region. Work done outside the area will be considered provided that the contributions of Midland area-based team members are significant. Press releases or other public announcements are expected to be included with the nomination packet for commercialized products or processes (support letters from company leadership will be accepted in lieu of press releases). A \$60 submission fee is required for each team innovation award nomination.

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Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted to the Midland Section ACS Executive Committee for approval. Nominators should write a letter indicating the award and describing the attributes of the candidate.

**The deadline for all nominations is Sunday, March 23, 2025.** Nominations not meeting the minimum requirements, and submissions received after the March 23 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (email) submissions are preferred*. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners, National Chemistry Week Poem Contest winners, and Fifty/Sixty/Seventy Year ACS Members will be honored with certificates or plaques and featured in an article in the *Midland Chemist*.

The Awards Committee greatly appreciates the efforts involved in nominating someone and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our local section. Please pass this information along to anyone involved in our local science programs!

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The National ACS has many great awards available as well. The links to the web addresses where you can find the list of awards and the criteria for nomination are listed on pages 14 to 16. Now is the time to begin nominations for National ACS awards for 2025-2026 as most annual reviews have a deadline of around November 1, 2025.

For more detail on any award, please contact Wendy Flory ([wcfloory@dow.com](mailto:wcfloory@dow.com)) or Tami Sivy ([tsivy@svsu.edu](mailto:tsivy@svsu.edu)), Midland Section ACS Awards Committee Co-Chairs.





## American Chemical Society – Midland Section

### Nomination Form for 2025 Outstanding High School / Collegiate Chemistry Student

*(Note: One nominee per school, please)*

Dept. Chair or other Nominator: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Email address (required): \_\_\_\_\_

School: \_\_\_\_\_

\*\*\*\*\*

Student's name: (Mr./Ms.) \_\_\_\_\_  
(Indicate) (Please print legibly)

Home address: \_\_\_\_\_

Telephone number: \_\_\_\_\_

Email address (required): \_\_\_\_\_

Student's career/postgraduate plans (if known):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please return this form to the following addresses no later than **Sunday, March 23, 2025:**

Wendy Flory ([wcfloory@dow.com](mailto:wcfloory@dow.com)) or Tami Sivy ([tsivy@svsu.edu](mailto:tsivy@svsu.edu))  
Midland Section ACS Awards Committee Co-Chairs



## Previous Recipients of Midland Section ACS Awards

*Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS*

### Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopac
1996	Mark Hackbarth
1997	Denise Kopleberger, Cheryl Ruthig
1998	Barbara McGivern
1999	John Clark
2000	Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen
2001	Cathy Egerer, Amy Hindbaugh-Marr
2002	Maureen Becker
2003	Leon Katzinger
2004	Joan Roels
2005	Curt Moses
2006	Robin Allen
2007	Diane Huckins
2008	Rachel Pappas
2009	No Recipient
2010	No Recipient
2011	Beth Quimby
2012	No Recipient
2013	No Recipient
2014	No Recipient
2015	Molly Kelsey
2016	No Recipient
2017	Rebecca Field
2018	Suzanne Billette
2019	Nicole Roberts
2020	Amy Crosby
2021	No Recipient
2022	Lori Hall
2023	Julee Dillon
2024	No Recipient

### Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson
2013	John Barnes
2014	No Recipient
2015	Mark Hackbarth
2016	No Recipient
2017	Allison Vandriessche
2018	No Recipient
2019	Darci Merillat
2020	No Recipient
2021	No Recipient
2022	Michael Graves, Megan Konkol, Jennifer Lehman, Victoria McPeak, Rebecca Stinson
2023	No Recipient
2024	No Recipient

### High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow
2013	Tom Short, Sarah Beery
2014	No Recipient
2015	Jeff Yoder
2016	Lisa Parsons
2017	Kenneth Quackenbush
2018	Jason Brown
2019	Rick Cahoon
2020	No Recipient
2021	No Recipient
2022	Jessica Schwarz
2023	Brian Reinhardt
2024	No Recipient

**College Chemistry Teaching**

1989	Joan Sabourin	2004	Katherine Blystone	2019	Jeffery A. Turk
1990	Bob Howell	2005	Ronald Sharp	2020	Choon Young Lee
1991	Robert Kohrman	2006	Arthur G. Smith	2021	Janice Hall Tomasik
1992	Scott Hill	2007	Cynthia N. Peck	2022	Tami Sivy
1993	Ajit Sharma	2008	No Recipient	2023	No Recipient
1994	Laura Vosejpka	2009	No Recipient	2024	Adam Warhausen
1995	George Eastland	2010	Anton Jenson		
1996	Martin Spartz	2011	No Recipient		
1997	Philip Squattrito	2012	David S. Karpovich		
1998	Thomas Delia	2013	No Recipient		
1999	Steven E. Keinath	2014	David Baker		
2000	James Hutchison	2015	Estelle Lebeau		
2001	Sandra Smith	2016	Angela McGuirk		
2002	Margaret Hill	2017	Joel & Nancy Dopke		
2003	Dale Meier	2018	No Recipient		

**Science Education Volunteer of the Year**

1992	Gregg Young	2006	Tom Chamberlin	2020	Michelle Rivard
1993	Peter Bonk	2007	Teri Bickmore, Cal Goeders	2021	Brett Zimmerman
1994	Peter Moehs	2008	Tim Drier	2022	Dale LeCaptain
1995	Gretchen Kohl	2009	Dave Stickles	2023	Diana Deese
1996	John Blizzard, Richard Van Effen	2010	Lisa Thackery	2024	No Recipient
1997	Marvin Tegen	2011	Charles & Barbara Roth		
1998	Carlton Beyer	2012	Estelle Lebeau		
1999	William Albe	2013	No Recipient		
2000	Karol Childs	2014	Charles Nielsen		
2001	Donald Petersen	2015	Gina Malczewski		
2002	Joan McMahon	2016	Dennis Klipa		
2003	Charles Roth	2017	Nalayini Kogulan		
2004	Jan Zanyk	2018	Wendell Dilling		
2005	Eldon Graham	2019	Jennifer Reil		

**Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering**

(Awarded every other year)					
2002	George Gant, Richard Stringfield	2012	Linneaus Dorman	2022	Alyssa Fielitz
2004	Smallwood Holoman, Jr.	2014	Victor Atiemo-Obeng	2023	Anne-Catherine Bedard
2006	Joan Sabourin	2016	Roland Wallace	2024	Bingbing Li
2008	Sandra Parker	2019	Karen Carter (CERM Award)		
2010	Theophilus Leapheart	2020	Anja Mueller		

**Outstanding Achievement and Promotion of the Chemical Sciences**

1976	Dr. Turner Alfrey, Jr.	1996	Dr. Hans G. Elias	2016	Dr. Ronda L. Grosse
1977	Dr. Etcyl H. Blair	1997	Dr. Ludo K. Frevel	2017	Dr. Mike Ferritto
1978	Dr. David C. Young	1998	Dr. Patrick B. Smith	2018	No Recipient
1979	Dr. Vernon A. Stenger	1999	Dr. David E. Henton	2019	Dr. Jerzy Klosin
1980	Dr. Daniel R. Stull	2000	Dr. Steven J. Martin	2020	Dr. Chris Goralski, Dr. Brad Fahlman
1981	Dr. Bob A. Howell	2001	Dr. Edwin C. Steiner	2021	No Recipient
1982	Dr. Wendell L. Dilling	2002	Dr. Thomas J. Delia	2022	Dr. Richard K. Helling
1983	Dr. Donald R. Weyenberg	2003	Dr. Robert M. Nowak	2023	Dr. Tami Sivy
1984	Dr. Edwin P. Plueddemann	2004	Herbert D. (Ted) Doan	2024	Dr. David Meunier
1985	Dr. Raymond P. Boyer	2005	Dr. Michael J. Owen		
1986	Stanley P. Klesney	2006	Dr. Robert E. Kohrman		
1987	Dr. Warren B. Crummett	2007	Dr. Petar R. Dvornic		
1988	Dr. A. Lee Smith	2008	Dr. Jack Kruper		
1989	Dr. Do Ik Lee	2009	No Recipient		
1990	Dr. Joseph E. Dunbar	2010	No Recipient		
1991	Dr. Thomas H. Lane	2011	Dr. James Falender		
1992	Dr. Donald A. Tomalia	2012	No Recipient		
1993	Dr. Dale J. Meier	2013	No Recipient		
1994	Dr. Philip T. Delassus	2014	No Recipient		
1995	Dr. Duane B. Priddy	2015	Dr. James Tonge		

**Outstanding Service to the American Chemical Society**

1989	Dr. David C. Young	2004	Dr. Steven E. Keinath	2019	Dr. Dale LeCaptain
1990	Dr. Linneaus C. Dorman	2005	Ann Birch	2020	No Recipient
1991	Dr. Donald R. Petersen	2006	Dr. Philip Squattrito	2021	Michelle Cummings
1992	Dr. Wendell L. Dilling	2007	David L. Stickles	2022	Michelle Rivard
1993	Dr. Bob A. Howell	2008	Connie Murphy	2023	Vickie Langer
1994	Eldon L. Graham	2009	No Recipient	2024	Dr. Amanda Palumbo
1995	Gretchen S. Kohl	2010	No Recipient		
1996	Fran K. Voci	2011	No Recipient		
1997	Dr. Thomas H. Lane	2012	No Recipient		
1998	Vicky S. Cobb	2013	No Recipient		
1999	Dr. Theodore E. Tabor	2014	No Recipient		
2000	Drs. Peter & Patricia Dreyfuss	2015	Amy Tesolin-Gee		
2001	Dr. George W. Eastland, Jr.	2016	Dr. Bob A. Howell		
2002	Joan Sabourin	2017	Diana Deese		
2003	John Blizzard	2018	Dr. Regina Malczewski		

**Outstanding Chemical Technician**

1997	Connie J. Murphy	2011	Amy Tesolin-Gee	2023	Denise Anaya
1998	David Stickle	2012	Amber Wallace	2024	Jacob Remacle
1999	Ronald L. Good	2013	No Recipient		
2000	Kurt A. Bell	2014	Jeff Seifferly		
2001	Gordon R. Roof	2015	Brian Scherzer		
2002	Cynthia J. Gould	2016	Dana Fuerst		
2003	Robert Krystosek	2017	Stephanie Hughes		
2004	Sherry Allen	2018	Joseph Harris		
2005	Bill Rievert	2019	Weston Tulloch, Matthew Yonkey		
2006	Margo Mclvor	2020	Heidi Clements		
2007	Debbie Bailey	2021	Scott Boelter, Nicholas A. Paulik, Matt McLaughlin		
2008	Sue Perz	2022	Matt Crimmins, Carl Reinhardt, Ben Schaefer, Duane Vance		
2009	Diana Deese				
2010	No Recipient				

**Team Innovation Awards**

2020	Dow Consumer Solutions: Hand Sanitizer for COVID-19 Response Dow Performance Silicones: SILASTIC™ Moldable Optical Silicone Impact Analytical: Leachable and Extractable Studies
2021	DuPont Nutrition and BioSciences: Increased Capacity for the Growing Meat-Alternative Vegetarian Market
2022	Dow Chemical: RHOBARR™ 320 Barrier Dispersion
2023	No Recipient
2024	Dow: DOWSIL 979 Emulsion

**Additional, Special Awards**

2016	Corporate Leadership Award	Andrew N. Liveris	Dow Chemical Company
2017	Special Recognition (Kaliapparatt)	Steven E. Keinath	Michigan Molecular Institute (retired)
2018	Special Recognition (Through a Different Lens)	Thomas H. Lane	Dow Corning Corporation (retired)
2019	Special Recognition (Chair, 2019 CERM)	Dimi Katsoulis	Dow
2019	Special Recognition (Chair, 100th Anniv. Cmte.)	Gina Malczewski	Dow Corning Corporation (retired)
2019	Special Recognition (Hospitality Star)	Emily Deese	Michigan State University
2019	Special Recognition (Section Centennial Cert.)	David Young	Dow Chemical Company (retired)
2019	MI Governor's Senior Volunteer Service Award	Gina Malczewski	Midland Section ACS
2022	Special Recognition (Redesign of Section Website)	Michael Malczewski	Midland Section ACS (volunteer)
2022	Special Recognition (Redesign of Section Website)	Mark Jones	Dow (retired)
2023	Special Appreciation (Keeper of Time)	Wendell Dilling	Dow & CMU (retired)

**Midland Section ACS Salutes to Excellence Awards**

2001	Thomas Lane
2005	Water Warriors (Ogemaw Heights High School), Eldon L. Graham, Chris Powley, Debra Green, Anne DeBoer, Richard Anderson, Max Bottomley, Harold Moll, Russel Tree, Jr.
2006	Norman Delisle, John Safranski, Jr., Richard Anderson, Max Bottomley
2008	Harold Moll, Russel Tree, Jr., Norman Delisle, John Safranski, Jr.
2009	Saginaw Spirit Hockey Club, Bob Moyer, Nancy Vossen, Vicki Behe, Steve Gribble
2010	Linda K. Dielman
2013	David Allan
2015	Sue Perz, Anatoliy Sokolov, Jaime Curtis-Fisk, Aaron Gaertner
2016	Dow Corning Corporation, Cassie Fhaner, Wendy Flory, Gretchen Kohl, Diana Deese
2017	Mike Garlick (Dr. Slime), Michael Tulchinsky, Adrianne Cole, Brian Brutyn, Sean V. Murray
2018	Dorian Phelps, John Blizzard, Tim Drier, Art Ferruzzi
2019	John Metcalf, Jay Martin, Valentina Woodcraft, Clifford Todd, Patrick Smith, Bernadette Harkness A.N. Sreeram, Congressman John Moolenaar (CERM presentations)
2022	John Blizzard (Quadsil/Raven Analytical), Girl Scouts Heart of Michigan, Creative 360, MSU St. Andrews, Cyndie Roberts (Dow High Go Green Club)
2023	Midland Area Farmers Market, National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)

**Mid-Michigan Technicians Group (MMTG) Outstanding Chemical Technology Student**

1998	Rebecca Hall	2010	No Recipient	2022	Collin Clark
1999	Debbie Beuthin	2011	David Gutowski	2023	No Recipient
2000	Sara Shinavar	2012	Jeremy Marchand	2024	Keaton Anderson
2001	Dana Bitzer	2013	Chadwick Roland		
2002	Sarah Bottke	2014	James Nemeth		
2003	No Recipient	2015	Kelly Setula		
2004	Fred Jackson	2016	Dave Starr		
2005	Chris Eicher	2017	No Recipient		
2006	Phillip Jerewski	2018	Calyx Moore		
2007	Laura Jaska	2019	Lindsay Alarie		
2008	Gerald Rupprecht	2020	Elizabeth Bilicki		
2009	Kyle Krauseneck	2021	No Recipient		



## ACS National Awards for 2025–2026 Nomination

*Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS*

Editor's note: Several Midland Section ACS members have received various National ACS awards over the years. Please see their names, as noted, below.

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)

[ACS Award for Affordable Green Chemistry](#)

2012 William J. Kruper

[ACS Award for Computers in Chemical and Pharmaceutical Research](#)

[ACS Award for Creative Advances in Environmental Science and Technology](#)

1986 Eugene E. Kenaga

[ACS Award for Creative Invention](#)

1984 Edwin P. Plueddemann

[ACS Award for Creative Research and Applications of Iodine Chemistry](#)

[ACS Award for Creative Work in Fluorine Chemistry](#)

[ACS Award for Creative Work in Synthetic Organic Chemistry](#)

[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)

[ACS Award for Encouraging Underrepresented and Economically Disadvantaged Students into Careers in the Chemical Sciences](#)

2024 Scott T. Wills

[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)

[ACS Award for Research at an Undergraduate Institution](#)

[ACS Award for Team Innovation](#)

2015 Ryan Gaston, James R. Keenihan, Abhijit A. Namjoshi, Stephen Pisklak, Jason A. Reese

2017 Robert A. DeVries, Philip Garrou, Carol E. Mohler, Theodore M. Stokich, Jr., Eric S. Moyer

[ACS Award in Analytical Chemistry](#)

[ACS Award in Applied Polymer Science](#)

1970 Raymond F. Boyer

[ACS Award in Chromatography](#)

1991 Hamish Small

[ACS Award in Colloid Chemistry](#)

[ACS Award in Industrial Chemistry](#)

2022 Jerzy Klosin

[ACS Award in Inorganic Chemistry](#)

[ACS Award in Organometallic Chemistry](#)

[ACS Award in Polymer Chemistry](#)

1973 Turner Alfrey, Jr.

[ACS Award in Pure Chemistry](#)

[ACS Award in Separations Science and Technology](#)

[ACS Award in Surface Chemistry](#)

[ACS Award in the Chemistry of Materials](#)

[ACS Award in Theoretical Chemistry](#)

[Award for Volunteer Service to the American Chemical Society](#)

[Roger Adams Award in Organic Chemistry](#)

[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)



[Earle B. Barnes Award for Leadership in Chemical Research Management](#)

1987    Malcolm E. Pruitt  
2009    Gregg A. Zank  
2014    William F. Banholzer  
2024    David Parrillo

[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)

[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)

[Alfred Burger Award in Medicinal Chemistry](#)

[James Bryant Conant Award in High School Chemistry Teaching](#)

[Arthur C. Cope Award](#)

[Arthur C. Cope Scholar Awards](#)

[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)

[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)

[Peter Debye Award in Physical Chemistry](#)

[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)

[Francis P. Garvan - John M. Olin Medal](#)

[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)

[Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)

[Ernest Guenther Award in the Chemistry of Natural Products](#)

[Kathryn C. Hach Award for Entrepreneurial Success](#)

[M. Frederick Hawthorne Award in Main Group Inorganic Chemistry](#)

[E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances](#)

[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)

[Ralph F. Hirschmann Award in Peptide Chemistry](#)

[Ipatieff Prize](#)

[Frederic Stanley Kipping Award in Silicon Chemistry](#)

1990    John L. Speier, Jr.

[Irving Langmuir Award in Chemical Physics](#)

[Josef Michl ACS Award in Photochemistry](#)

[E. V. Murphree Award in Industrial and Engineering Chemistry](#)

[Nakanishi Prize](#)

[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)

[James Flack Norris Award in Physical Organic Chemistry](#)

[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)

[Charles Lathrop Parsons Award](#)

[George C. Pimentel Award in Chemical Education](#)

[Priestley Medal](#)

[Glenn T. Seaborg Award for Nuclear Chemistry](#)

[Gabor A. Somorjai Award for Creative Research in Catalysis](#)

[George and Christine Sosnovsky Award for Cancer Research](#)

[Henry H. Storch Award in Energy Chemistry](#)

[E. Bright Wilson Award in Spectroscopy](#)

[Ahmed Zewail Award in Ultrafast Science and Technology](#)

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at <http://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>.

The full list of National ACS awards by title can be found at <https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic.html>.



### **Midland Section ACS Recipients of National, Division, and Regional ACS Awards** ***Wendy Flory and Tami Sivy, Awards Committee Co-Chairs, Midland Section ACS***

#### National ACS Fellows

2010	Wendell L. Dilling, Michael J. Owen
2011	Bob A. Howell, Thomas H. Lane, Connie J. Murphy
2013	Patrick B. Smith
2014	Janet M. Smith
2015	Gretchen S. Kohl
2016	Joan M. Sabourin
2017	Mark E. Jones
2018	Susan Beda Butts
2019	Jerzy Klosin, Regina Malczewski
2020	Christian T. Goralski
2021	Dimitris Katsoulis
2022	Michelle Cummings
2023	Michelle Rivard

#### National ACS Heroes of Chemistry

1999	Etcyl Blair, Ray Rigterink, Art Sexton
2000	L.C. Rubens
2015	David Devore, David Neithamer, Peter Nickias, Jasson Patton, James Stevens, David Wilson
2017	James Bohling, Stan Brownell
2024	Mark Barger, Stephane Costeux, Wenyi Huang, Mark Rickard

#### National ACS Helen M. Free Award for Public Outreach

2015	Regina Malczewski
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National ACS Local Section Outreach Volunteer of the Year Award

2014	Regina M. Malczewski
2015	Michelle L. Rivard
2016	Dave Stickles
2017	Diana Deese
2018	Michael Tulchinsky
2019	Lauren McCullough
2020	Dimi Katsoulis

National ACS Women Chemists Committee (WCC) Rising Star Award

2015	Jaime Curtis-Fisk
2017	Beata A. Kilos
2021	Heather Spinney

ACS Division of Business Development and Management Henry F. Whalen, Jr. Award for Excellence in Business Development and Management in the Chemical Enterprise

2018	Thomas Lane
2020	A.N. Sreeram

ACS Division of Chemical Technicians National Chemical Technician Award

2000	David L. Stickles
2001	Susan Youngs
2006	Robert Krystosek
2007	Margo McIver
2008	Janet Smith
2014	Diana Deese
2015	Jeff Seifferly
2018	Michelle Rivard
2021	Nita “Qiyin” Xu

ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology (ACT) Award

2014	Janet M. Smith
2017	Michelle Cummings

ACS Division of Industrial & Engineering Chemistry Award in Industrial Chemistry

2022	Jerzy Klosin
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ACS Division of Industrial & Engineering Chemistry Early Career Fellow Award

2018	Beata Kilos
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ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology Fellow Award

2023	Diana Deese
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ACS Division of Professional Relations Henry Hill Award

2016	Thomas Lane
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[Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences](#)

2016 Thomas Lane (CERM, Covington, KY)

2019 Jim Fitterling (CERM, Midland, MI)

[E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society](#)

2013 Bob Howell (CERM, Mount Pleasant, MI)

2014 Patrick B. Smith (CERM, Pittsburgh, PA)

2019 Michelle Rivard (CERM, Midland, MI)

[Bettye Washington Green Award for Outstanding Science – Midland Local Section Diversity & Inclusion Committee and National Organization for the Professional Advancement of Black Chemists and Chemical Engineers \(NOBCChE\) Midland Chapter](#)

2023 Siaka Yusuf

[Commitment to Diversity and Inclusion Award – Midland Local Section Diversity & Inclusion Committee](#)

2020 James Walker

[Encouraging Women in the Chemical Sciences Award – Midland Local Section Women Chemists Committee](#)

2019 Beata Kilos-Reaume

[Shirley B. Radding Award – Santa Clara Valley Local Section](#)

2015 Connie Murphy

**Midland Section ACS Scholarship Fund Reaches Nearly \$78,000**

***Wendell and Marcia Dilling, Past Historians, Midland Section ACS***

The Midland Section ACS scholarship fund is slowly approaching its \$100,000 goal [*The Midland Chemist* **2024**, 61, No. 11 (November), p 14; No. 12 (December), p 29]. The scholarship fund is administered by the Midland Area Community Foundation. The most recent matching grant of nearly \$1,900 has been contributed which brings the total in the fund to \$77,889.27. Only \$22,110.73 is needed to reach the \$100,000 goal.

When the goal is reached, three or four scholarships can be granted each year instead of the two which have been granted per year in recent years or the value of each scholarship can be increased.

Our scholarship fund has had fewer applicants historically than other local ones. A possible reason for this may be due to the amount offered, so we think that reaching the stated \$100,000 goal and being able to give more to worthy students would help us get more applicants. We don't think many other ACS Sections offer such scholarships, so our fund is also another point of distinction between our wonderful members and those elsewhere.

Please consider contributing to this worthwhile cause. 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.

## WCC Global Women's Breakfast, February 11

Ashlin Sathyan, Women Chemists Committee, Midland Section ACS

Midland Section ACS Women Chemists Committee (WCC) Global Women's Breakfast event presentation, "Overcoming the Barriers to Gender Equality in Science," Mi Element Grains and Grounds, 3124 Jefferson Avenue, Midland. Co-presented by Erin Vogel (Dow), Melinda Keefe (Dow), and Janice Hall Tomasik (CMU). Free event, cosponsored by Midland Section ACS, Women Chemists Committee, and IUPAC. For more information, please contact Ashlin Sathyan at [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com).

**ACS Midland's WCC Global Women's Breakfast:**  
*"Overcoming the barriers to gender equality in science"*

**Free Event**

  
**Erin Vogel**  
Dow

  
**Melinda Keefe**  
Dow

  
**Janice Hall Tomasik**  
Central Michigan University



Come join the discussion with our speakers. Open to all, women and allies.

**Where: Mi Element 3124 Jefferson Ave,  
Midland, MI 48640.**

**When: February 11th – 8:30 to 10 am.**

If you have any questions, please reach out to Ashlin Sathyan: [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com), Julia Sunderland: [jsunderland@dow.com](mailto:jsunderland@dow.com), Ana Ulloa [aullaoagomez@dow.com](mailto:aullaoagomez@dow.com) or Isabel Meza: [mmeza1@dow.com](mailto:mmeza1@dow.com).

## Girls Day Out at Delta College, March 14

Ashlin Sathyan, Women Chemists Committee, Midland Section ACS

Please join us for our next Girls Day Out at Delta College, Friday, March 14, 2025. Volunteers are needed at two Delta College locations – the Main Campus where 690 girls have registered to attend and at the Saginaw Center where 193 girls have registered to attend. Cosponsored event by the Midland Section ACS and Women Chemists Committee. For more information, please contact Ashlin Sathyan at [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com).

### Girls Day Out at Delta College 2025

Our event is scheduled for **Friday, March 14, 2025**, at the Delta College main campus.

We currently have 883 girls coming to Delta for the day. There will be 690 girls at the main campus and 193 girls at the Saginaw Center. and we could not put on this event without you!

**Where: Delta College Main Campus, Midland, Mi.**

**When: March 14th. WCC-ACS 9:30 to 10:30 am**

**PLEASE LET US KNOW IF ANYONE WANTS TO VOLUNTEER FOR THIS ONE 😊!**



If you have any questions, please reach out to Ashlin Sathyan: [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com), Julia Sunderland: [jsunderland@dow.com](mailto:jsunderland@dow.com), Ana Ulloa [aullaoagomez@dow.com](mailto:aullaoagomez@dow.com) or Isabel Meza: [mmeza1@dow.com](mailto:mmeza1@dow.com).

## ACS Spring 2025 National Meeting & Exposition, March 23-27

*Steve Keinath, Co-Editor, The Midland Chemist*

Editor's note: The information contained in this article is reprinted, in part, from National ACS email communications to all ACS members, dated December 12, 2024, and January 2, 2025.



Join us in San Diego or online for the ACS Spring 2025 National Meeting & Exposition, March 23-27, 2025. Experience sessions from 30-plus ACS technical divisions, opportunities to make lasting career connections, professional development courses, and networking that only can be gained by attending an ACS National event. Be among 13,000-plus industry and academic leaders, researchers, and influencers as they share ideas and discuss ways to advance scientific and technological knowledge in person and virtually.

Five virtual meeting experiences are available as part of the ACS Spring 2025 National Meeting & Exposition:

**Division/Committee Technical Sessions** – Experience the latest research curated by ACS Technical Divisions covering a wide range of topics from industry leaders in the chemistry community.

**Virtual Graduate Student Asia-Pacific Symposium** – A unique opportunity for students in the Asia-Pacific Region to showcase their latest research in Surface Science & Catalysis, Biomaterials & Biointerfaces, Computational Chemistry, Inorganic Chemistry, and more.

**Global Virtual Symposium (GVS)** – High-quality content with an emphasis on global issues like climate change, renewable energy, and health innovation. The virtual meeting opportunity focuses on the core classics of chemistry – organic, inorganic, materials, and physical chemistry.

**Professional Development** – Sessions that are designed to help chemists advance their careers, enhance technical expertise, and strengthen essential skills like grant writing.

**Digital Networking** – Interactive sessions for attendees to test their skills through various games like trivia, puzzle solving, and more.

For more information and to register, go to [ACS Spring - American Chemical Society](https://www.acs.org/acs-spring).



## **21st Annual MSU ChEMS Department Research Forum, May 6**

***MSU ChEMS Department, East Lansing***

The Department of Chemical Engineering and Materials Science (ChEMS) at Michigan State University invites you to join us at the 21st annual ChEMS Department Research Forum on Tuesday, May 6, 2025. The forum is a full-day event, running from 8:30 AM to 5:30 PM, and will be held at the MSU Union, 49 Abbott Road, East Lansing, on the campus of MSU. This one-day meeting will feature invited plenary speakers, oral presentations from faculty and staff, and extended poster sessions describing the latest department research results.

Please note that this year's ChEMS Research Forum is being held much earlier in the year (May instead of August) than that of the past several Research Forum programs. Please also note that this year's ChEMS Research Forum is being held at a different location than that of the past several Research Forum programs.

The **21st Annual ChEMS Research Forum** will showcase departmental research advances in the areas of:

- Energy and Sustainability
- Nanotechnology and Materials
- Biotechnology and Biomedical Engineering

If you or your company shares an interest in chemical engineering and materials science, then this event offers a uniquely personal and informal view into the general research directions of the ChEMS department, its current research projects, and, most importantly, an opportunity to get to know the many talented graduate students that are at the heart of it all.

The full agenda for this forum will be available later. Please watch for updates at [2025 ChEMS Research Forum](#).

Pre-registration for the forum is requested. Please register for the event at [2025 ChEMS Research Forum](#). For more information, call the MSU ChEMS Department at 517-355-5135, or send an inquiry by email to [chems@egr.msu.edu](mailto:chems@egr.msu.edu).

## **2025 Turner J. Alfrey Visiting Professor Lecture Series, June 3**

***Karol Miller, Administrative Assistant, The Axia Institute, MSU St. Andrews, Midland***

MSU St. Andrews is pleased to announce that arrangements are beginning for the 2025 Turner J. Alfrey Visiting Professor Lecture Series. Our guest lecturer this year will be Prof. Karen I. Winey, Harold Pender Professor of Engineering and Applied Science, Department of Chemical and Biomolecular Engineering, University of Pennsylvania.

Tentative arrangements are as follows:

**Date:** Tuesday, June 3, 2025     **Time:** 9:00 AM to 5:00 PM  
**Location:** MSU St. Andrews, 1910 West St. Andrews Road, Midland  
**Guest Lecturer:** Prof. Karen I. Winey

### **About Karen Winey**

Karen I. Winey is the Harold Pender Professor of Engineering and Applied Science with a 50:50 appointment between the Department of Chemical and Biomolecular Engineering and the Department of Materials Science and Engineering. Karen



**Prof. Karen I. Winey**

earned her Ph.D. in polymer science and engineering from the University of Massachusetts, Amherst, and joined the Penn Engineering faculty after a brief postdoc at AT&T Bell Labs. Karen has made significant contributions to the field of polymer science, particularly in the understanding of and manipulation of unique polymer nanocomposites and ion-containing polymers. She has a strong record of service including as an Associate Editor for *Macromolecules*, Chair of the Division of Polymer Physics within the American Physical Society, Department Chair of Penn's Materials Science and Engineering Department, and a variety of advisory boards.

### Research Interests

The focus of the Winey research group is hierarchical and nanoscale morphologies in polymers and connecting these morphologies to the underlying chemical structure as well as the mechanical, thermal, and transport properties of the materials. We employ a variety of experimental and computational tools to probe the structural and physical properties of advanced polymers including X-ray scattering, electrochemical impedance spectroscopy, and time of flight SIMS. Targeting a variety of energy-related and membrane applications, we study and design functional polymers to improve selective ion and proton conductivity. In polymer nanocomposites, our current interests focus on nanoparticle dynamics across a range of time and length scales. Our newest project focuses on polymer-to-polymer upcycling to convert waste polyolefins to higher value polymers. Our dynamic and highly cited research group is currently funded by the National Science Foundation, the Department of Energy Basic Energy Sciences, and industry.

Additional information will be coming along with a registration link for the Tuesday, June 3, 2025, program, but please save the date and block your calendars now. For more information, please contact Karol Miller at [mill2785@msu.edu](mailto:mill2785@msu.edu).

### Great Lakes Regional Meeting (GLRM 2025), June 4-6

*Steve Keinath, Co-Editor, The Midland Chemist*

Editor's note: The information contained in this article is reprinted, in part, from a National ACS email communication to all ACS members, dated January 23, 2025.



Abstracts are now being accepted for the **2025 Great Lakes Regional Meeting (GLRM)**. GLRM 2025 will be held from Wednesday to Friday, June 4 - 6, 2025, in Appleton, WI, hosted by the Central Wisconsin and Northeast Wisconsin Local Sections.

This year's theme is ***Chemistry for a Better Planet***. Chemistry has led to hundreds of innovative solutions over the last several centuries and it will continue to do so. Chemistry helps us gain a better understanding of the world around us, in all facets of life – health care, environmental science, and more. Chemistry and the planet

are closely intertwined with one another and there are connections at all different levels and scales. With this theme, we hope to encourage curiosity and ingenuity to explore and discover all the possibilities that exist between the two.

[Visit the website](#) to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is Monday, March 3.**

### **ACS Fall 2025 National Meeting & Exposition, August 17-21**

***Steve Keinath, Co-Editor, The Midland Chemist***

Editor's note: The information contained in this article is reprinted, in part, from a National ACS email communication to all ACS members, dated January 8, 2025.



We are now accepting abstracts for the ACS Fall 2025 National Meeting & Exposition. This in-person and digital meeting will be held in Washington, DC, and globally from August 17-21, 2025. Abstracts for virtual, in-person, and poster presentations for open symposia are being accepted by nearly 30 program divisions. Please see [ACS Fall 2025](#).

This is your chance to share your research with the chemistry community. ACS Fall 2025 brings 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. Visit the website to learn more about the symposia open for submission.

**The deadline to submit an abstract is Monday, March 31.**

## In Memoriam – Paul Fausto Oreffice

*Steve Keinath, Co-Editor, The Midland Chemist*

Editor's note: Paul Oreffice's obituary notice as it appears here is reprinted, in part, from the Whitney & Murphy Funeral Home website (4800 East Indian School Road, Phoenix, AZ 85018, Phone: 602-840-5600, <https://www.whitneymurphyfuneralhome.com/>), accessed on Friday, January 3, 2025.



Paul F. Oreffice, age 97, passed away peacefully in his sleep on the morning of Thursday, December 26, 2024, at his home in Paradise Valley, AZ. He is survived by his loving wife of 29 years, Jo Ann Pepper Oreffice; his children, Laura Jennison (Jon) and Andy Oreffice (Jamie); his grandchildren, Drew Jennison (Kimberly), Alex Jennison (Julie), and Kyle, Jillian, Lila, and John Paul Oreffice; and his great-granddaughter, Josie. Paul lived the American Dream, going from being an immigrant to a major company CEO.

He was born in Venice, Italy, on November 29, 1927. In 1940, Paul moved with his family to Quito, Ecuador, and in 1945, he came to the USA, where he went directly to Purdue University, speaking fewer than 50 words of English. Paul graduated from Purdue in February 1949 with a BS in Chemical Engineering. After serving the country he loved in the US Army for two years, Paul joined The Dow Chemical Company in February 1953. After a variety of international assignments, including living in Italy, Brazil, and Spain, he progressed to Dow's headquarters in Midland, MI, in 1970. Paul became the president and CEO of the company in April 1978. He later added the title of chairman of the board. He retired in December 1992.

Paul served on the boards of CIGNA, Coca-Cola, Morgan Stanley, and Nortel Networks. He was also the chairman of The American Enterprise Institute, The National Parkinson Foundation, and on the visiting board of MD Anderson Cancer Center. Paul received Spain's highest civilian award and was the recipient of the top medals awarded by the world's three premier chemical organizations. In 2006, Paul's book, "Only in America," was published. It weaves the story of Paul's immigration to America, from escaping fascist rule in Mussolini's Italy to realizing America's promises for those willing to work hard and convert obstacles and setbacks into achievements and success.

Paul's achievements were not contained just to the business world as he was a Life Master in Bridge, a skilled ping pong player, and a single-digit handicap golfer until his 40s when he gave it up for a younger man's game, tennis. He was an avid tennis player until the age of 89 and certainly lost count of all the opponents who were decades younger than he that he defeated. Paul was an enthusiastic sports fan, and his favorite teams were the Miami Dolphins and Purdue. He was a charter season ticket holder for the Dolphins and was a fervent Boilermaker.

Paul had a lifelong passion for horses, riding as a child and investing in thoroughbred racehorses for the last four decades. Partnering with Dogwood Stable and later Eclipse Thoroughbred Partners, he delighted in hundreds of wins, highlighted by victories in the Preakness with Summer Squall and in the Belmont Stakes with Palace Malice. Paul had ownership in eight Kentucky Derby starters, finishing 2nd, 3rd, and 4th. He also served on the Board of the New York Racing Association, was the Chairman of Saratoga WarHorse, and had a home in Saratoga Springs, NY, where he relished being in the epicenter of the horse racing world in the summer.

Beyond the accolades, Paul's most significant achievements were with his family and friends. He was a loving husband to Jo Ann, a fantastic father who always found time for Laura and Andy, a grandfather with seemingly endless wisdom to give, and a generous and loyal friend to so many. Paul's limitless generosity extended well beyond his family and friends. He donated to countless organizations with an affinity for veterans, Purdue, fighting cancer, and Parkinson's disease.

Paul was a key driver in establishing the Midland Community Tennis Center. He started a family legacy of giving back, which his children and grandchildren have embraced and will continue. He was indeed one of a kind and will be greatly missed by so many people who loved him.

A Celebration of Life was held on Friday, January 17, 2025, at 4:00 PM, at Paradise Valley Country Club (7101 North Tatum Boulevard, Paradise Valley, AZ 85253). A private entombment occurred in Saratoga Springs. In lieu of flowers, donations may be made in Paul's memory to The Purdue for Life Foundation ([purdueforlife.org](http://purdueforlife.org)), the Parkinson's Foundation ([parkinson.org](http://parkinson.org)), or MD Anderson Cancer Center ([mdanderson.org](http://mdanderson.org)).

### **Former Dow CEO Paul Orefice Remembered**

***Dan Chalk, Managing Editor, and Dave Clark, Editor, Midland Daily News***

Editor's note: This article is reprinted, in part, from the Thursday, January 2, 2025, issue of the *Midland Daily News*. Orefice led Dow as president, CEO, and chairman from 1978 to 1992, transforming the company into a global leader in chemicals and plastics. Dan Chalk and Dave Clark authored the original article for the *Midland Daily News*.



**Greater Midland Tennis Center founder and former Dow CEO Paul Orefice giving a speech after receiving an award at the Tennis Center's 40th anniversary celebration in 2014. (Photo credit: Nick King, Midland Daily News)**

Former Dow president and CEO Paul Orefice died on December 26, 2024, at his home in Paradise Valley, Arizona. He was 97. During Orefice's tenure at Dow, he is often credited with transforming the company from an American-focused industrial power into a global leader in chemicals and plastics.

According to his 2006 biography, "Only in America," Orefice was born in Venice, Italy, in 1927. His family moved to Quito, Ecuador, in 1940, and in 1945 he emigrated to America to attend Purdue University, where he graduated with a bachelor's degree in chemical engineering. At 17 years old, he knew fewer than 50 words of English before enrolling at Purdue.

After two years serving in the US Army, Orefice joined The Dow Chemical Company in 1953 as a sales trainee. In 1966, Orefice received Spain's highest civilian award, the "Encomienda del Mérito Civil," to recognize his contributions as General Manager of Dow Chemical's operations in Spain from 1963 to 1965, highlighting his impact on the country's industrial sector during his assignment.

Orefice led Dow as president, CEO, and chairman from 1978 to 1992. He expanded Dow's operations worldwide, establishing a strong presence in emerging markets like Asia and Latin America. His efforts helped the company achieve record revenues and profits during his tenure. He championed advancements in materials



science and plastics, such as high-quality polyethylene. He also successfully diversified the company's product lines into specialty chemicals and performance materials, ensuring Dow's resilience in a competitive market.

## LARGER THAN LIFE

Bill Schuette, a former state attorney general, state Court of Appeals judge, state senator and Congressman, said Orefice was "a force to be reckoned with" and someone who always made time for people who needed his help. "Whether it was in boardrooms or on the tennis court or golf course, and in the halls and corridors of government, Paul Orefice was a force," Schuette said. "He was totally committed to Midland as a leader at Dow Chemical."

Schuette said his stepfather, former longtime Dow Chairman Carl Gerstacker, and Orefice were best friends, and Orefice served on the board of the Rollin M. Gerstacker Foundation almost 50 years. "I think Carl spotted Paul's skill and talent when Paul first started working at Dow. Paul was a larger-than-life guy. Everything he did was 110%. He was a huge contributor of knowledge and wisdom for the Gerstacker Foundation," Schuette said.

Orefice helped Schuette in his three successful campaigns for Congress and met with presidents Ronald Reagan and George H.W. Bush, among others. "He helped me in all my political endeavors and was a key adviser and a very close confidant," Schuette said. "He was influential in government just like he was influential in making sure the tennis center was built, and the soccer fields were put into place." Friends fondly called Orefice by his initials, "PFO," Schuette said. "Being able to spend time with Paul Orefice was a real treasure. He was a great friend.

## STEERING DOW THROUGH MANY CHALLENGES

As CEO, Orefice navigated the company through public disputes and legal battles, including a landmark Supreme Court case. In the late 1970s, the company faced a backlash over its production of Agent Orange and napalm during the Vietnam War, with lawsuits from veterans who had been affected by the chemicals and protests by activists. Dow was also criticized for environmental issues, such as improper disposal of hazardous materials and contamination of water sources, leading to regulatory scrutiny from the Environmental Protection Agency over chemicals like PCBs. These issues were compounded by economic pressures, which prompted workforce reductions and tensions with labor unions.

In *Dow Chemical Co. v. United States* (1986), the company argued for corporate privacy rights. Using a plane, the EPA captured high-resolution images of the Midland plant from public airspace after the company denied the agency's request for an on-site inspection without a warrant. Dow claimed that the surveillance violated its Fourth Amendment rights against unreasonable searches and seizures, asserting that the facility's outdoor areas were private, secure property.



**In April 1987, Dow Chemical President Paul Orefice shares a light moment with William Wood of ASM International. Orefice accepted a plaque designating one of Dow's brine wells as an ASM historical landmark. (Photo credit: Midland Daily News file photo)**

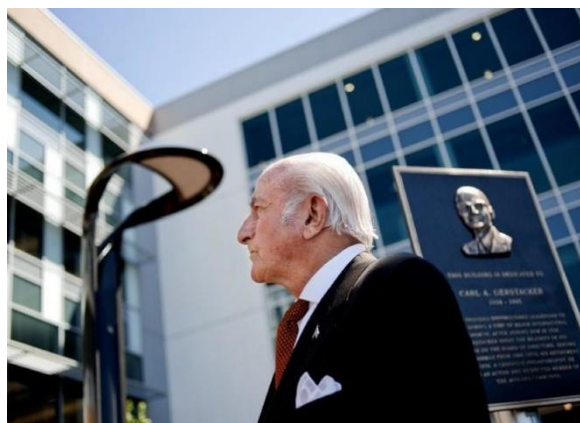


In a 5-4 decision, the Supreme Court ruled in favor of the EPA, stating that the aerial surveillance did not breach the Fourth Amendment. The court reasoned that the observed areas were open to public view and visible from public airspace, where no reasonable expectation of privacy existed. The ruling distinguished between privacy rights for individuals and businesses, particularly in areas accessible to public observation. The landmark case established legal precedent for the use of advanced technology, like aerial and satellite imaging, in government investigations without warrants.

Oreffice retired as CEO and chairman in 1992 and was succeeded by Frank Popoff, who had served as the company's president and chief operating officer prior to taking the top leadership role.

### A TENNIS PIONEER IN MIDLAND

Oreffice was a founder of the Greater Midland Tennis Center, which opened 50 years ago in 1974. Demand increased and the center expanded with help from local foundations. In 2011, the center opened the Paul Oreffice Outdoor Tennis Complex in his honor.



**Former chairman and CEO Paul Oreffice looks at plaques of former Dow leaders Ben Branch, Earle Barnes, and Carl Gerstacker during a dedication ceremony at the Dow Chemical Company's new Business Process Services Center in Midland. (Photo credit: Midland Daily News file photo)**

Jeff Rekoweg, current executive director of the center, said he was told a story of how Oreffice and some friends would play at Northwood University's Hoxie Tennis Center inside the Bennett Center in the early 1970s, sometimes late in the day because of their work schedule. One evening when they arrived ready to play, the center was just closing and Oreffice wasn't happy about it. "So, he basically said, 'We'll build our own,'" Rekoweg said.

Similarly, Hal Cook, the first director of the current tennis center, recalled in a 2009 interview that he, Oreffice, and Dick Sinclair were discussing the condition of the three clay courts at the old Midland Tennis Center on Revere Street (which is now Thrune Park). "Oreffice mentioned that we needed to do something about the courts," said Cook. "He arranged for me to take the Dow plane and go anywhere I wanted in the U.S. and look at facilities."

After selecting the present property on Wackerly Street in Midland and drawing up plans, Cook took a request to the Dow Foundation for funds. "The next day we had \$2.1 million for start-up costs," said Cook. Rekoweg said it was very important to Oreffice that the tennis center be for the community and not an exclusive club. He also wanted priority to be given to junior players, and Rekoweg said still today the junior players are given priority during the prime times of 4:00-6:00 PM.

"He was the driving force behind the tennis center being what it is today. He's left a tremendous legacy. His name is on the outdoor facility. That will remain that way forever," Rekoweg said. He added that he had wanted to invite Oreffice to the most recent Dow Tennis Classic in November on the occasion of the tennis center's 50th anniversary. "But recently, he was no longer traveling. We wanted to honor him and his legacy. Unfortunately, it just didn't work out. We're certainly mourning the passing of a legend in our minds," Rekoweg said.

## CELEBRATION OF LIFE

Oreffice also served on the boards of CIGNA, Coca-Cola, Morgan Stanley, and Nortel. He also served as the chairman of The National Parkinson's Foundation and on the visiting board of MD Anderson Cancer Center.

He is survived by his wife of 29 years, Jo Ann Pepper Oreffice; his children, Laura Jennison (Jon) and Andy Oreffice (Jamie); his grandchildren, Drew Jennison (Kimberly), Alex Jennison (Julie), and Kyle, Jillian, Lila, and John Paul Oreffice; and his great-granddaughter, Josie.

A Celebration of Life was held on Friday, January 17, 2025, at Paradise Valley Country Club (7101 North Tatum Boulevard, Paradise Valley, AZ 85253). A private entombment occurred in Saratoga Springs. In lieu of flowers, donations may be made in Paul's memory to The Purdue for Life Foundation ([purdueforlife.org](http://purdueforlife.org)), the Parkinson's Foundation ([parkinson.org](http://parkinson.org)), or MD Anderson Cancer Center ([mdanderson.org](http://mdanderson.org)).

Funeral arrangements were handled by Whitney & Murphy Funeral Home (4800 East Indian School Road, Phoenix, AZ 85018, Phone: 602-840-5600, <https://www.whitneymurphyfuneralhome.com/>).

## Upcoming Dates, Events, and Other Updates

- January 6 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [January 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- January 8 (7:00 – 8:30 PM) – Virtual Astronomy Night presentation (virtual only), *Quasars, Active Galaxies, and Supermassive Black Holes (Radio Astronomy Part II)*, MSU St. Andrews STEM Center, Midland. Register to receive the Zoom link at [https://msu.zoom.us/webinar/register/WN\\_d219bSCYS7mXQbdTv-dwggw](https://msu.zoom.us/webinar/register/WN_d219bSCYS7mXQbdTv-dwggw). For any questions, contact Robin McGuire, MSU St. Andrews Science Educator, at [rmguire@msu.edu](mailto:rmguire@msu.edu).
- January 25 (10:00 AM to 3:00 PM) – Midland Section ACS Outreach event, “*Kids Day at the Midland Mall.*” Free event, cosponsored by Midland Section ACS and Midland Recyclers, open to everyone. For more information, please contact Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).
- February 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [February 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- February 11 (8:30 – 10:00 AM) – Midland Section ACS Women Chemists Committee (WCC) Global Women's Breakfast event presentation, “*Overcoming the Barriers to Gender Equality in Science,*” Mi Element Grains and Grounds, 3124 Jefferson Avenue, Midland. Co-presented by Erin Vogel (Dow), Melinda Keefe (Dow), and Janice Hall Tomasik (CMU). Free event, cosponsored by Midland Section ACS, Women Chemists Committee, and IUPAC. For more information, please contact Ashlin Sathyan at [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com).
- March 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [March 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.

- March 3 – **Abstract submission deadline for 2025 Great Lakes Regional Meeting (GLRM).** Meeting theme: *Chemistry for a Better Planet*. Hosted by the Central Wisconsin and Northeast Wisconsin Local Sections, Appleton, WI, June 4-6, 2025. For more information, go to [GLRM 2025](#).
- March 14 (9:30 – 10:30 AM) – Girls Day Out at Delta College event. Volunteers are needed at two Delta College locations – the Main Campus where 690 girls have registered to attend and at the Saginaw Center where 193 girls have registered to attend. Cosponsored event by the Midland Section ACS and Women Chemists Committee. For more information, please contact Ashlin Sathyan at [ashlin.sathyan@dupont.com](mailto:ashlin.sathyan@dupont.com).
- March 23 – **Deadline for Midland Section ACS Spring Awards nominations** to honor outstanding educators, volunteers, and colleagues. For more information or any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory ([wcfory@dow.com](mailto:wcfory@dow.com)) or Tami Sivy ([tsivy@svsu.edu](mailto:tsivy@svsu.edu)).
- March 23-27, 2025 (Save the Date) – ACS Spring 2025 National Meeting & Exposition, San Diego, CA, hybrid meeting (in-person and virtual). For more information and to register, go to [ACS Spring - American Chemical Society](#).
- March 31 – **Abstract submission deadline for ACS Fall 2025 National Meeting & Exposition**, Washington, DC, August 17-21, 2025, hybrid meeting (in-person and virtual). For more information, please see <https://www.acs.org/events/fall.html>.
- April 7 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [April 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- April 30 (5:30 – 8:30 PM, tentative) – Midland Section ACS Spring Awards Recognition Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: TBD. For more information or any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory ([wcfory@dow.com](mailto:wcfory@dow.com)) or Tami Sivy ([tsivy@svsu.edu](mailto:tsivy@svsu.edu)).
- May 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [May 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- May 6 (8:30 AM – 5:00 PM) – 21st Annual MSU ChEMS Department Research Forum, Michigan State University, MSU Union, 49 Abbott Road, East Lansing, MI. Please note that this year's ChEMS Research Forum is being held much earlier in the year (May instead of August) than that of the past several Research Forum programs. Please also note that this year's ChEMS Research Forum is being held at a different location than that of the past several Research Forum programs. Pre-registration for the forum is requested. Please register for the event at [2025 ChEMS Research Forum](#). For more information, call the MSU ChEMS Department at 517-355-5135, or send an inquiry by email to [chems@egr.msu.edu](mailto:chems@egr.msu.edu).
- June 2 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [June 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- June 3 (9:00 AM – 5:00 PM, tentative) – 2025 Turner J. Alfrey Visiting Professor Lecture Series program, featuring Prof. Karen I. Winey, from the University of Pennsylvania. More details to follow regarding the lecture content and registration process. For more information or any questions, please contact Karol Miller at [mill2785@msu.edu](mailto:mill2785@msu.edu).
- June 4-6 (Save the Date) – 2025 Great Lakes Regional Meeting (GLRM), Appleton, WI, hosted by the Central Wisconsin and Northeast Wisconsin Local Sections. Meeting theme: *Chemistry for a Better Planet*. **The abstract submission deadline is March 3, 2025.** For more information, please visit [GLRM 2025 website](#).

- August 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [August 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- August 17-21, 2025 – ACS Fall 2025 National Meeting & Exposition, Washington, DC. This meeting will be a hybrid in-person and virtual meeting. **The abstract submission deadline is March 31, 2025.** For more information, please see <https://www.acs.org/events/fall.html>.
- September 8 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [September 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7. **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 6 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [October 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- November 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [November 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.
- December 1 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [December 2025 ACS Board Meeting Teams Link](#), Meeting ID: 938 651 597 463 5, Passcode: FV2oA7.

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