

# THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

November 2024, Vol. 61, No. 11

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## Chair Column

*Erin Vogel, Chair, Midland Section ACS*

This month, I would like to introduce you to a fabulous chemist and the winner of one of twenty-four 2024 ACS Polymeric Materials: Science and Engineering (PMSE) Division Early Investigators Awards, Stephanie Barbon. She is an Associate Research Scientist at Dow, and I'll let her share her story from here.



My name is Steph Barbon, and I am an Associate Research Scientist at Dow Chemical. I grew up in London, Canada – though I always forget to include the “Canada” part and have to explain why I don’t have a British accent. I did all my formal education in Canada, up to a PhD in Chemistry at the University of Western Ontario, before moving south of the border – first to UC Santa Barbara for a postdoc in polymer chemistry, and then to Midland, to start work at Dow.

I think if you told high school me about where I am today, I would be shocked. I had always liked Chemistry and Math in high school and had a great chemistry teacher – and this made me decide to apply to the Chemistry program at my local university, but I never saw myself getting a PhD. To be honest, in high school, I don’t think I knew anyone with a PhD or knew what a PhD was. Even over the

course of my undergraduate degree, I would have probably never said I would get a PhD – even though I got good grades, because I didn't think I was capable. And that really comes down to what I would say has been the biggest challenge that I've had to overcome over the course of my career path – my own imposter syndrome.

For those of you not familiar with the term, imposter syndrome is doubting your own abilities, and the feeling that you've only arrived at your career successes by luck. This is something that has plagued me from the beginning of my chemistry career – and really made me scared to take big steps. Things like “I get good grades, but I could never do research,” or “I've published some good papers, but it's only because of X,Y,Z collaborators,” or “I must have only won that award because they wanted a female award winner” are things that have been in my head countless times.

One of the biggest turning points for me was attending a seminar on imposter syndrome. I had never heard of it before, but sat in the seminar to check off a requirement for a course I was in. Hearing the presenter describe so much that hit so close to home was very eye-opening. I can't say that I'm fully past this issue yet, but knowing what it is has allowed me to identify when it is limiting me, to push myself more outside of my comfort zone, and to build my confidence. With the experience I now have under my belt, I love that I can help push those who I work with to step outside of their comfort zone and learn new things as well.

My current day-to-day work involves working with some of the smartest people I know to tackle some really tough problems. A lot of my work revolves around sustainable solutions for plastics, including designing polymers with biodegradability or recyclability in mind. I love the day-to-day challenges I get to face, and the fact that every day brings something new, as well as the team approach to solving these problems. Above all, I feel very fortunate to be able to work on problems like these that I am very passionate about, and that I feel are making a difference.

All my favorite things to do involve being outside and being in nature. I'm very fortunate to have lived in and travelled to many beautiful, natural places around the world. I have a two-year-old son, and a daughter on the way. I want to be able to continue to share the beauty of our world with them – and leave a home for them that is better than what we currently have.

## **Midland Section ACS Board of Directors 2025 Election, October 14 – November 4**

***Raghida “Reggie” Bou Zerdan, Chair, Nominations & Elections Committee, Midland Section ACS***

The annual election for the Midland Section ACS Board of Directors will be open starting **Monday, October 14, 2024, and will close on Monday, November 4, 2024.**

The positions that are open for election are:

- Chair-Elect<sup>1</sup> (1-year term)
- Secretary (1-year term)
- Treasurer (1-year term)
- Chair, Nominations & Elections (1-year term)
- Directors (3 open positions, 3-year terms)

<sup>1</sup>The Chair-Elect position involves an overall three-year leadership commitment. The candidate elected to the Chair-Elect position will serve the first year as Chair-Elect, the second year as Chair, and the third year as Past Chair.

The candidates running for open Board positions are as follows:

Position (# of vacancies)	Candidates	
Chair-Elect (1)	Todd Pangburn	Judith Espinoza Perez
Secretary (1)	Melissa Aplan	Paulami Majumdar
	Ziyue Zhu	--
Treasurer (1)	Ericka Bruske	Justin Massing
	Heather Spinney	Zhiguan Yang
Chair, N&E Committee (1)	Raghida "Reggie" Bou Zerdan	Milton Repollet Pedrosa
Directors (3)	Allison Abdilla	Anne-Catherine Bedard
	Marc-André Courtemanche	Zhifang Du
	Sami El Awad	Mark Jones
	Rowan Katzbaer	Ashlin Sathyan
	Juan Venegas	Hunter Woodward

For job descriptions for each of the open positions and the professional profile summaries for all of the candidates, see the September issue of *The Midland Chemist*: [September 2024 Midland Chemist](#)

## 2024 Central Regional Meeting (CERM), November 6-9

*Steve Keinath, Midland Chemist Co-Editor, Midland Section ACS*

Editor's note: The information contained in this article is reprinted, in part, from material provided in an email message posted to all ACS members, dated September 20, 2024.



### Central Regional Meeting

The Confluence of Chemistry: Past, Present, & Future  
November 6–9, 2024 | Pittsburgh, PA

Registration for the **2024 Central Regional Meeting (CERM)** is now open. The 2024 CERM theme is **“The Confluence of Chemistry: Past, Present, and Future.”** Our beautiful city of Pittsburgh is at the center point of

three rivers. The Allegheny River and the Monongahela River join to form the Ohio River. In the same way, chemistry as a whole is built by the chemists of our past, the present-day discoveries, and the outlook of chemistry in the future. Through this theme, we will honor and celebrate the history and future of chemistry with our regional chemistry community in Pittsburgh and beyond.

**Attending CERM 2024 offers several compelling benefits:**

**Networking Opportunities:** Connect with fellow chemists, researchers, and industry professionals. This can lead to collaborations, job opportunities, and valuable professional relationships.

**Cutting-Edge Research:** Stay updated on the latest advancements in various fields of chemistry through technical symposia, poster sessions, and plenary lectures.

**Professional Development:** Participate in workshops and courses that can enhance your skills and knowledge, helping you excel in your career.

**Exhibition and Resources:** Explore the exhibition to discover new products, technologies, and services that can aid your research or work.

**Cultural Experience:** The event is held in Pittsburgh, a city known for its rich history and vibrant cultural scene. Enjoy the local attractions and the unique theme of the meeting, "The Confluence of Chemistry: Past, Present, and Future."

**Community Engagement:** Be part of a community that celebrates the history and future of chemistry, honoring the contributions of past chemists while looking forward to future discoveries.

To register, go to [Registration - CERM 2024 \(acscerm2024.org\)](https://acscerm2024.org)

**Girl Scouts STEM Day, November 9**

*Kim Dinh, Inclusion & Diversity Committee, Midland Section ACS*

ACS  
Chemistry for Life®

swe  
Society of Women Engineers  
Mid-Michigan

Mid-Michigan  
AIChE

## Girl Scouts STEM Day

Girl Scouts are invited to a fun morning filled with hands-on fun with demos and take-home activities!

9 am – 12 pm  
Saturday, November 9  
Creative 360, 5501 Jefferson Ave, Midland, MI 48640

Questions? Email Kim Dinh at [kdinh@dow.com](mailto:kdinh@dow.com)

RSVP: <https://forms.gle/6noBfyLeF7CmfQyC7> (by Nov 1, requested)

Scan to RSVP



## Radio Astronomy: A Whole New World That We Couldn't Otherwise See

*Robin McGuire, Science Educator, MSU-St. Andrews STEM Center*

### **Astronomy Night at MSU-St. Andrews Presentation (Virtual Only), Wednesday, December 4, 7:00 PM EST**

Have you ever heard of a quasar? How about a pulsar? Were you aware that astronomers have located the center of our Milky Way galaxy? And that our galaxy is a spiral galaxy, just like many others that we can see with powerful telescopes? Well, can you guess what all these things have in common? They were all discovered by radio astronomy – even though the entire field is less than a hundred years old! What else has radio astronomy revealed? Join me and the MSU-St. Andrews STEM Center by Zoom to learn more!

Adults and families with school-age and older children are invited to join MSU-St. Andrews virtually for a presentation on the strange and wonderful world of radio astronomy. We will tell the fascinating story of how radio light was first discovered, how it was first used – accidentally! – for astronomy, and how the field has grown since then. We will summarize the many advantages of radio astronomy and show several different types of radio telescopes. We also will describe the types of objects that emit radio waves. These range from individual atoms to brilliant quasars, among the brightest objects known in the universe. And of course, we will have lots of amazing images that reveal a universe that would be otherwise completely invisible to us.



**Parkes Radio Telescope, Australia**  
**(Credit: Ian Sutton, Parkes Radio Telescope)**

Plus, we will also talk about what we actually saw, with ordinary visible light, in the beautiful nighttime skies of October and November. The Summer Triangle was still high enough to identify several constellations, but the Great Square of Pegasus was taking over, pointing the way to Andromeda, Perseus, Cetus, Aquarius, Pisces, and more. Jupiter was visible all night, brilliant Venus was out at sunset, Saturn was in the evening, Mars came out later at night, and Mercury rose before dawn. What a great time for planets! We will show you how to find the planets (and more) for yourself.

Astronomy Night at MSU-St. Andrews Presentation (Virtual Only), Wednesday, December 4, 7:00 PM EST. Please register by clicking on [https://msu.zoom.us/webinar/register/WN\\_x9kLNowuRF2RR3gY5-Xf6g](https://msu.zoom.us/webinar/register/WN_x9kLNowuRF2RR3gY5-Xf6g).



## Invitation to Annual Volunteer Appreciation Dinner, December 16

*Erin Vogel, Chair, Midland Section ACS*

To celebrate the dedication and accomplishments of our army of Midland Section ACS volunteers, we cordially invite you to attend our Annual Volunteer Appreciation Dinner. This year's event is scheduled for Monday, December 16, from 5:30-8:00 PM, at Creative 360, 5501 Jefferson Avenue, in Midland.

Please join us for a dinner catered by Olive Garden (pasta bar, soup, salad, and breadsticks), enjoy an adult hot chocolate bar, and plan to participate in an entertaining murder mystery, "Murder at the Ugly Sweater Party," so do plan to wear your ugliest holiday sweater to this event as well.

### Murder at the Ugly Sweater Party

The Snowflake Lodge is all set to bring back the much-loved Ugly Christmas Sweater party this season. The residents of Snow Falls are buzzing with anticipation for this festive event, a highlight where the elite come together to flaunt their most outrageously tacky holiday wear.

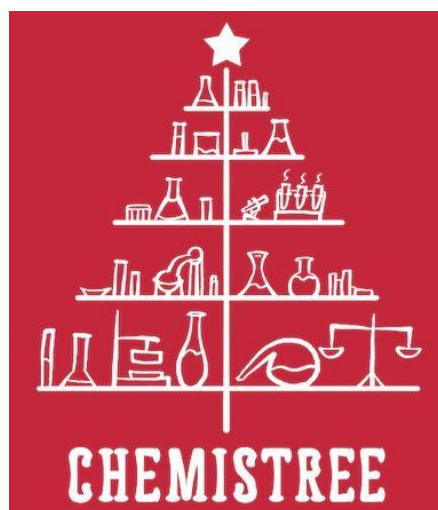
Lately, though, the air has been thick with whispers of blackmail, greed, and plots for revenge among some attendees. Yet, there's a shared optimism that the cheer and goodwill of the holiday season will prevail, smoothing over any rifts just in time for a joyous celebration at the party.

With your ticket in hand, the quest for the ultimate tacky holiday sweater begins. Your adventure starts now, diving into the heart of Snow Falls' holiday festivities.

Some fun props will be available, but you are welcome to bring your own. Please review the available character slots in the link below and sign up to play an **interactive role** in the Murder Mystery by clicking on your character button of choice.

If you are **not interested in an interactive role**, please sign up as a **News Crew** member in the link below so that we can get an accurate head count for dinner. You can always change your mind later. Thank you!

Signup Genius link: <https://www.signupgenius.com/go/70A054BADAA2EA20-52644192-midland#/>





## Midland Section ACS Celebrates Achievements in Chemistry and Related Sciences

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

Earlier this year, the Midland Section of the American Chemical Society gathered on the evening of Wednesday, May 1, 2024, at the Great Hall Banquet & Convention Center, in Midland, for its 33rd Annual Awards Recognition Banquet to honor past, present, and future chemists and those who support them. The evening began at 5:30 PM with a cash bar and social time followed at 6:00 PM with a delicious plated chicken dinner.

Wendy Flory and Tami Sivy, Midland Section ACS Awards Committee Co-Chairs, welcomed everyone and introduced Dr. Deborah Huntley, Provost and Vice President for Academic Affairs at Saginaw Valley State University, as the evening's keynote speaker. While everyone enjoyed their meal, Dr. Huntley began her presentation at 6:15 PM on the interesting and informative topic of "Thirteen Ways of Looking at a Chemist."

The remainder of the evening, beginning around 6:45 PM, comprised the awards and recognition portion of the program. The following individuals were introduced and recognized:

### Chemistry Olympiad

Chemistry Olympiad is a multi-tiered competition that brings together the world's most talented high school students to test their chemistry knowledge and skills. Michael Tulchinsky, Midland Section ACS Chemistry Olympiad Committee Chair, introduced four high-scoring Chemistry Olympiad participants (and their chemistry teachers) and congratulated them for their achievement.

Louis Huang	H.H. Dow High School	Teacher Kristin Weston
Lance Neigh	John Glenn High School	Teacher Jennifer Roller
Henry Wang	Mt. Pleasant High School	Teacher Jason Brown
Sara Zacharek	Heritage High School	Teacher Melanie Galonska

### Outstanding High School Chemistry Students

Twenty-four local high school students were honored this year for being outstanding chemistry students as chosen by the chemistry teacher or department at each school. Wendy Flory and Tami Sivy introduced the following group of students, listed alphabetical by their first name, and presented them with their certificates of achievement:

Ally Schmitz	Breckenridge HS	Lance Neigh	John Glenn HS
Autumn Hess	Coleman HS	Louis Huang	HH Dow HS
Brylon Narvaiz	Bay City Central HS	Lucas Shelagowski	Heritage HS
Cyrus Aldridge	St. Charles Community HS	Mackenzie Ellis	Pinconning HS
Dayten Weideman	Bullock Creek HS	Madilyn Gates	Shepherd HS
Deagan O'Neil	Freeland HS	Maximilian (Max)	Klemm Fulton HS
Hailey Douglas	All Saints Central HS	Michelle Liu	Bridgeport Baptist Academy
Isaac Finch	Mt. Pleasant HS	Morgan Kniebbe	Frankenmuth HS
Jveen Murad	Nouvel Catholic Central HS	Ollie Horonzy	Bridgeport HS
Kathryn Swaton	Alma HS	Samantha Moulthane	Birch Run HS
Kevin McPhee	Bay Arenac Community HS	Sarah Parashar	Saginaw Arts & Sciences Acad.
Kyle DuRussel	Swan Valley HS	Sean Subbrook	Midland HS



### **Outstanding College Chemistry Students**

Eight outstanding college chemistry or biochemistry students, selected by their respective college chemistry departments, received plaques recognizing their dedication to their studies and achievements. Wendy and Tami again had the pleasure and honor of recognizing this group of students.

Brayden Spaulding	Alma College	Chemistry
Emily Maskill	Central Michigan University	Chemistry
Jacquelyn Sundstrom	Central Michigan University	Chemistry
Emma Doederlein	Central Michigan University	Biochemistry
Ishani Gaidhane	Central Michigan University	Biochemistry
Addison James	Delta College	Chemistry
Warren Jacobs	Saginaw Valley State University	Biochemistry
Megan Schwartz	Saginaw Valley State University	Biochemistry

### **Outstanding College Level Teaching**

While we are pleased to honor our up-and-coming, promising students, we do not want to overlook the importance of the people who have been their teachers and mentors, cultivating the passion of learning within their students and giving countless hours of their own time. Tami Sivy introduced this year's Outstanding College Level Teaching award recipient.

Adam Warhausen	Saginaw Valley State University
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### **Outstanding Chemical Technician**

Michelle Rivard, Mid-Michigan Technicians Group (MMTG) leader and Midland Section ACS Project SEED Committee Chair, had the privilege of introducing this year's Outstanding Chemical Technician award recipient.

Jacob Remacle	Dow
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### **Mid-Michigan Technicians Group Outstanding Chemical, Process, or Environmental Technology Student**

Hannah Bailey, Mid-Michigan Technicians Group (MMTG) leader and Midland Section ACS Committee Chair, had the privilege of introducing this year's MMTG Outstanding Chemical, Process, or Environmental Technology Student award recipient.

Keaton Anderson	Dow
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### **Promotion of Diversity in Chemistry, Related Sciences, and Engineering**

Anja Mueller, Professor of Chemistry at Central Michigan University, was pleased to recognize one of her fellow Chemistry Department colleagues as the Promotion of Diversity in Chemistry, Related Sciences, and Engineering award recipient.

Bingbing Li	Central Michigan University
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### **Team Innovation Award**

The Team Innovation Award is one of the Midland Local Section's more recently initiated awards, with the first one just awarded in 2020. The product development effort winning this year's Team Innovation Award was for the DOWSIL 979 Emulsion product. Wendy Flory had the privilege of introducing and recognizing the team behind this product.

#### DOWSIL 979 Emulsion

Eve Suthiwangcharoen	Project lead & Technical Lead	Midland
Mark Keinath	Process Engineer	Midland
Jennifer Reil	Product Development	Midland
Dawn Carsten	Hair Care Application Technologist	Midland
Beth Johnson	Hair Care Fellow	Midland
Alix Vu Duc	Process Engineer	Seneffe, Belgium
Charlene Courtet	Technical Service & Development	Seneffe, Belgium

#### Outstanding Service to the American Chemical Society

Michelle Rivard, Mid-Michigan Technicians Group (MMTG) leader and Midland Section ACS Project SEED Committee Chair, had the privilege of introducing this year's Outstanding Service to the American Chemical Society award recipient.

Amanda Palumbo                      Dow

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

Hunter Woodward, Midland Section ACS Past Chair, had the privilege of introducing this year's Outstanding Achievement and Promotion of the Chemical Sciences award recipient.

Dave Meunier                      Dow

#### 50-Year, 60-Year, and 70-Year ACS Members

Each year, the American Chemical Society notifies our Local Section leadership about those members among us who have shown time-honored service, dedication, and longstanding membership in the ACS. This year, Wendy Flory and Tami Sivy had the privilege of recognizing seven 50-year members, two 60-year members, and three 70-year members. Well done, good and faithful members!

##### 50 Years

Dr. Charles Kresge  
Donald Liles  
Dr. Kenneth Lilje\*  
Dr. L. David Rothman  
John Russell  
Terrence Swihart  
Dr. Ronald Yates

##### 60 Years

Dr. Edmund Benson  
Ronald Haughton

##### 70 Years

Robert Lemmer  
Arthur Smith  
Richard Stuckey\*

\* Recently passed members

#### Closing Remarks and Special Thank You's

As the co-chairs of this year's Midland Section ACS Awards Committee, we would like to extend our special thanks to the following individuals and groups:

- To Nick Mapes who photographed the May 1, 2024, Awards Banquet Recognition event.
- To former Midland Section ACS Awards Committee Chair Diana Deese for all of her help during the transition of the chair duties for our committee and this event.
- To Kari Santos of "Sweet Me Off My Feet" for the lovely and delicious cupcakes served for dessert.

- To all those who were involved in nominating the award recipients and to those who presented the awards at this year's Annual Awards Banquet Recognition event.
- And finally, to all those who celebrated this event with us this year.

An extensive, complete set of high-resolution photos taken at this year's event, as well as a copy of the 33rd Annual Awards Recognition Banquet program booklet, may be found at [2024 Midland ACS Awards Banquet](#). Please be patient as it may take some time to download the set of high-resolution images. Thank you.

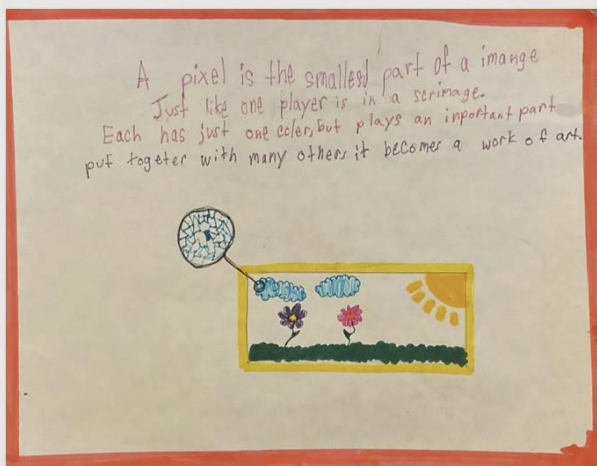
### **Congratulations to the 2024 NCW Illustrated Poem Contest Winners** **Hannah Bailey, National Chemistry Week Committee, Midland Section ACS**

The Midland Section ACS congratulates the winners of our National Chemistry Week (NCW) Illustrated Poem Contest! We received a total of 30 entries and our winners are Izabel S. from Hemmeter Elementary, Claire V. from Woodcrest Elementary, Kaitlyn V. from Jefferson Middle School, Emma H. from H.H. Dow High School, and Makayla T. from Swan Valley High School!

This year's theme was "Picture Perfect Chemistry" and the winning illustrated poem entries are shown below. Congratulations, again, and thank you to all who participated in this year's contest!

**Midland ACS 2024 NCW  
 Illustrated Poem Contest**

**1<sup>st</sup> Place**  
**Izabel S.**  
 Grade Category 3-5<sup>th</sup>  
 Hemmeter Elementary



## Midland ACS 2024 NCW Illustrated Poem Contest

**2<sup>nd</sup> Place**

**Claire V.**

Grade Category 3-5<sup>th</sup>  
Woodcrest Elementary

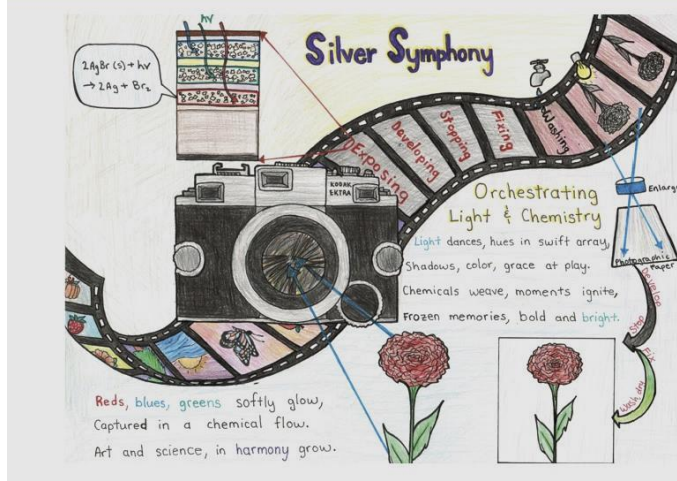


## Midland ACS 2024 NCW Illustrated Poem Contest

**1<sup>st</sup> Place**

**Kaitlyn V.**

Grade Category 6-8<sup>th</sup>  
Jefferson Middle School



**Midland ACS 2024 NCW  
Illustrated Poem Contest**  
**1<sup>st</sup> Place**  
**Emma H.**  
Grade Category 9-12<sup>th</sup>  
H.H. Dow High School



**Midland ACS 2024 NCW  
Illustrated Poem Contest**  
**2<sup>nd</sup> Place**  
**Makayla T.**  
Grade Category 9-12<sup>th</sup>  
Swan Valley High School



## Continued Push Toward Scholarship Fund Goal

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

We have been working several years to complete the goal of \$100,000 in the Midland Section ACS Scholarship Fund at the Midland Area Community Foundation so that more students can be supported in their college education. The \$100,000 goal was set by the original Scholarship Committee chaired by Lin Dorman in 2002 [*The Midland Chemist*, **2002**, 39, No. 8 (December), 13].

At the half-way point of the initial fund drive in October 2004 the fund stood at \$30,300 [*The Midland Chemist*, **2004**, 41, No. 8 (December), 10-11].

The first scholarship was presented to Andrea Alexander, GPA 3.96, Delta College, in 2005 [*The Midland Chemist*, **2005**, 42, No. 5 (October), 4].

The contributors to the scholarship fund by February 2006 were acknowledged at that point [*The Midland Chemist*, **2006**, 43, No. 1 (February), 8-9].

As of May 2021, the balance of funds in the ACS Scholarship Fund account stood at \$64,953.22 [*The Midland Chemist*, **2021**, 58, No. 5 (May), 9]. Because of the recent slow growth of the fund balance, we issued a challenge then to match 1:1 any new contributions, with a limit of \$18,000.



**Lin Dorman, Chairman of the Original Midland Section ACS Scholarship Committee**

As of October 2, 2023, the balance was \$65,592.19. During the period, September 30, 2023, to October 1, 2024, two contributions totaling \$1,884.08 were added to the fund and two \$1,500 scholarships were awarded. The fund total on October 1, 2024, was \$76,005.29. The additional contributions of \$1,884.08 will be matched soon. New contributions are encouraged to help reach the overall goal of \$100,000.

## ACS Spring 2025, Registration Opens December 10

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

Editor's note: The information contained in this article is reprinted, in part, from an email message sent to all ACS members on Tuesday, October 22, 2024.



**JOIN US IN SAN DIEGO FOR ACS SPRING 2025, MARCH 23-27, 2025**

Registration for [ACS Spring 2025](#) opens soon, and we want you to be there to experience all the sessions, career connections, leadership development courses, and networking that can only be experienced in San Diego. Join **13,000+ industry and academic leaders, researchers, and thought leaders** as they share ideas and discuss ways to advance scientific and technical knowledge.

Be there to share your passion for chemistry and to connect with the world's largest scientific society. We hope to see you there!

San Diego offers near-perfect weather year-round, 70 miles of spectacular coastline, world-class attractions, and a thriving urban core making it the perfect location for ACS Spring 2025. Make sure you save the date for this event and plan to be there to experience it all.

### Registration for ACS Spring 2025 Opens December 10, 2024



### GLRM 2025: Chemistry for a Better Planet *Steve Keinath, Co-Editor, The Midland Chemist*

Editor's note: The information contained in this article is reprinted, in part, from an email message sent to all ACS members on Monday, November 11, 2024.



### GREAT LAKES REGIONAL MEETING, APPLETON, WI, JUNE 4-6, 2025 (SAVE THE DATE)

The Central Wisconsin and Northeast Wisconsin ACS Local Sections are thrilled to announce that the **Great Lakes Regional Meeting (GLRM) 2025** is just around the corner! Mark your calendars for June 4-6, 2025, and get ready to join us in Appleton, WI, for an event filled with insightful sessions, networking opportunities, and much more. This meeting will bring more than 400 chemists from industry, academia, and government sectors together.

Stay tuned for more information about the call for abstracts, registration, speakers, and the exciting agenda we have planned. You can find more information at the [GLRM 2025 website](#). We can't wait to see you at GLRM 2025!

**In Memoriam – David Caldwell Young, Jr.**  
**Steve Keinath, Co-Editor, The Midland Chemist**

Editor's note: The obituary notice for Dr. David C. Young as it appears here is reprinted, in part, from the Tuesday, November 5, 2024, issue of the *Midland Daily News*. Dr. Young joined the American Chemical Society in 1948 and was a 76-year member at the time of his passing. According to Past Midland Section ACS Historian Wendell Dilling, Dave was "probably the most active Midland Section ACS member in the 1950 to 1990 time period." He was very active at the local section level as well as at the National ACS level.

Earlier this year, Dave celebrated a major life milestone, turning 100 years old on June 18, 2024. Dave was recognized in an article in the July 2024 issue of the *Midland Chemist* (pages 15-16) on the occasion of his 100th birthday. Please see <https://midlandacs.org/download/the-midland-chemist-july-2024/>.

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David Caldwell Young of Midland, MI, passed away peacefully on Saturday, November 2, 2024, after surpassing his goal of living to the age of 100. David was born in Memphis, Tennessee, on June 18, 1924, to Reverend David Caldwell Young, Sr., and his wife Sara. David graduated from Davidson College and then earned a Ph.D. in organic chemistry at the University of Florida. After moving to Midland in 1950, he married Laura Fries in 1955. They celebrated their 69th wedding anniversary this year.

David worked in organic chemistry research at the Dow Chemical Company, retiring in 1986 after a successful scientific career. While working, he was also very active in both the local section and the national organization of the American Chemical Society (ACS). He served two terms as a member of the national ACS board of directors.

David believed in giving back to the community. He volunteered for the AARP IRS Tax Aide program for 30 years. He was a driver for Meals on Wheels for many years and was active in the Midland First United Methodist Church. As an avid birder and nature lover, David was a member and officer of the Midland Nature Club, served on the board of directors for the Chippewa Nature Center, and the board of directors of the Michigan Audubon Society.

As the son and grandson of ministers, David was expected to join the ministry. He instead chose to go into science, moved from the deep south to Michigan, and split his full name between his two sons to avoid burdening either of them with "David Caldwell Young, III." While he worked in science, in many ways he ministered to the people around him. David was a believer in social progress and that belief only strengthened throughout his life. He is remembered as an advocate for tolerance, inclusivity, and equality for all. His advocacy continued even past his 100th birthday. David was a kind and gentle soul who charmed everyone he met, and everyone he knew will miss him.

David is survived by wife Laura F. Young of Midland, MI, daughter Patricia Young (Ronald Wellman) of Midland, MI, son Thomas Young (Linda Young) of Lake Jackson, TX, and son Bruce Young of Oakland, CA. He is also survived by grandchildren Laurel Wellman (Andreas Oeste), Heather Wellman, Eleanor Young, Peter Young, Johnna St. Clair, Andrew Wellman (Jennifer Ingersoll), Jeremy Wellman, and Aric Wellman (Leslie Stasko).

A celebration of life was held at 11:00 AM on Wednesday, November 6, 2024, in the chapel at the First United Methodist Church, in Midland, MI, with visitation in the parlor at 10:00 AM. The Reverend Pamela Buchholz officiated the service.

All of us at Ware Smith Woolever Funeral Home (1200 West Wheeler Street, Midland, MI 48640-2891, Phone: 877-631-2292, [www.wswfh.com](http://www.wswfh.com)) are honored that the Young family has entrusted us with the care of their loved one.

**In Memoriam – Faith Mary Binns**  
***Steve Keinath, Co-Editor, The Midland Chemist***

Editor's note: The obituary notice for Mary Binns as it appears here is reprinted, in part, from information provided on the Ware Smith Woolever Funeral Home website (<https://www.wswfh.com/obituaries/Faith-Mary-Binns?obid=33619622>), last accessed on Wednesday, November 13, 2024. Mary's obituary recites the fact that she was active as a student member of the American Chemical Society while at Michigan Tech, and then active again in the ACS during her time of employment at the Dow Chemical Company.

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Faith Mary Binns, 87, of Midland, passed away Sunday evening, November 3, 2024, at Bickford of Midland where she resided for the past two years. She was born June 16, 1937, in Negaunee, MI, the daughter of the late Harvey Hendrik (Hirvi) Koski and Viana (Tuuri) Koski. After graduating from high school, Faith went on to earn a bachelor's degree in chemistry from Michigan Tech where she earned the Faculty Women's Scholarship award. While there, she was a student member of the American Chemical Society, a member of Theta Chi Epsilon sorority, and an honorary member of Phi Lambda Upsilon Honor Society.

Faith began her career as a research chemist with Dow Corning in their Physical Chemistry Lab in 1959. After three years, Faith left her chemistry career to begin her family with her husband Maurice Binns, whom she married April 16, 1962. During this time, she also co-owned and operated two businesses, Maple Grove Laundry, and Maple Grove Oil Supply. After 22 years away, Faith returned to her chosen vocation with Dow Chemical Company. She worked in various capacities within the legal department before retiring in 2002 after 18 years with the company.

As a working professional, Faith once again became a member of the American Chemical Society. She was also an active member within her community, working with the United Way, Friends of Finland, and teaching Sunday School at St. John's Lutheran Church. Aside from her career, community, and family, Faith enjoyed taking time for herself. She enjoyed working on her family tree, playing Bingo, putting together a puzzle, or sitting down with a good book.

Faith is survived by her three sons, Scott (Tracey) Binns, Kevin (Tana) Binns, and Tim (Jen) Binns; six grandchildren; two great grandchildren; and brothers, Lowell (Geri) Koski and Arthur Koski. In addition to her parents, she was preceded in death by her husband Morrie Binns; sister Delight (Jack) Deane; and many brothers and sisters in law.

Funeral services took place at 2:00 PM on Friday, November 8, 2024, at Ware Smith Woolever Funeral Home, 1200 West Wheeler Street, in Midland. Faith's family received friends at the funeral home on Thursday evening, November 7, 2024, from 4:00 to 7:00 PM and again on Friday, November 8, 2024, from 1:00 PM until the time of service. Those planning an expression of sympathy are asked to consider the American Heart Association.

All of us at Ware Smith Woolever Funeral Home (1200 West Wheeler Street, Midland, MI 48640-2891, Phone: 877-631-2292, [www.wswfh.com](http://www.wswfh.com)) are honored that the Binns' family has entrusted us with the care of their loved one.

## Upcoming Dates, Events, and Other Updates

- October 14 – November 4 (Please Note) – **Midland Section ACS Board of Directors 2025 Election** period. For more information about the candidates running for various elected positions, please see the article on pages 2 and 3. The article includes a link to the September *Midland Chemist* elections article with full details. For more information or any questions, please contact Raghida "Reggie" Bou Zerdan, Chair, Nominations & Elections Committee, at [RBouZerdan@dow.com](mailto:RBouZerdan@dow.com).
- November 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 [November 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- November 6-9 – ACS Central Regional Meeting (CERM 2024), Pittsburgh, PA. Meeting theme: "Confluence of Chemistry: Past, Present, & Future." For more details, please see the article on pages 3 and 4 and visit [CERM 2024](#).
- November 9 (9:00 AM – 12:00 PM) – Girl Scouts STEM Day program, co-sponsored by ACS, SWE, and AIChE, Creative 360, 5501 Jefferson Avenue, Midland. Please see the program flyer on page 4 for more details. For any questions, contact Kim Dinh at [kdinh@dow.com](mailto:kdinh@dow.com).
- December 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 [December 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- December 4 (7:00 – 8:30 PM) – MSU-St. Andrews Astronomy Night presentation, "Radio Astronomy: A Whole New World That We Couldn't Otherwise See." For more information, please see the article on page 5. Please register to attend this free, virtual only presentation by clicking on [https://msu.zoom.us/webinar/register/WN\\_x9kLNowuRF2RR3gY5-Xf6g](https://msu.zoom.us/webinar/register/WN_x9kLNowuRF2RR3gY5-Xf6g).
- December 16 (5:30 – 8:00 PM) – Midland Section ACS Annual Volunteer Appreciation Dinner and Murder Mystery event, Creative 360, 5501 Jefferson Avenue, Midland. For more information, please see the article on page 6 and the event flyer on page 7. Pre-registration is required for this free event so that we can get an accurate head count for dinner. Plus, please sign up for either an interactive or a non-interactive role in the Murder Mystery portion of the evening by clicking on the SignUp Genius link: [https://www.signupgenius.com/go/70A054BADAA2EA20-52644192-midland#](https://www.signupgenius.com/go/70A054BADAA2EA20-52644192-midland#/).
- January 6 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.



- February 3 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.
- March 3 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.
- March 23-27, 2025 (Save the Date) – ACS Spring 2025 National Meeting & Exposition, San Diego, CA, and virtual. A Global Virtual Symposium (GVS) option is also available. Registration for ACS Spring 2025 opens on December 10, 2024. To register, please click on [ACS Spring 2025](#).
- April 7 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.
- May 5 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.
- June 2 (7:00 – 8:30 PM) (Tentative) – 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: 939 576 147 515 1, Passcode: A52hAT.
- June 4-6, 2025 (Save the Date) – ACS Great Lakes Regional Meeting (GLRM 2025), Appleton, WI. For more information, please visit [GLRM 2025 website](#).

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#### Volunteer Staff

Vickie Langer  
Steve Keinath  
Mike Malczewski

Editor ([vlanger@dow.com](mailto:vlanger@dow.com))  
Editor ([skeinath54@charter.net](mailto:skeinath54@charter.net))  
Webmaster ([web@midlandacs.org](mailto:web@midlandacs.org))

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