

THE MIDLAND CHEMIST

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Call for Nominations for 2022 Officer and Director Candidates

Shuting Feng, Chair, Nominations and Elections Committee, Midland Section ACS

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2022:

- Chair-elect (1-year term)*
- Secretary (1-year term)
- Treasurer (1-year term)
- Chair, Nominations and Elections Committee (1-year term)
- Directors (3 open positions for 3-year terms)

*Note: The election of a Midland Section ACS member to the Chair-elect position triggers a rolling three-year commitment, the first year as Chair-elect, the second year as Chair, and the third year as Past Chair. The Chair and Past Chair positions are not subject to the annual elections process unless a vacancy arises.

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Shuting Feng at sfeng7@dow.com (preferred) or by phone at 989-496-1617. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Shuting Feng. You are also encouraged to visit our website at www.midlandacs.org.

New Midland ACS Scholarship Fund Challenge

Gina Malczewski, Director and Scholarship Committee, Midland Section ACS

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

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

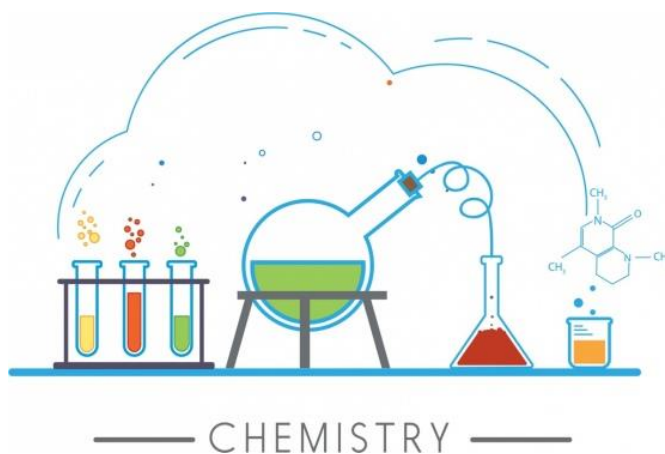
Dr. Wendell and Marcia Dilling (photo at right), both trained chemists and stalwart supporters of our Local Section, are now prepared to help us reach that goal by donating up to \$18,000 as part of a Challenge Grant to the Scholarship Fund, which currently stands at \$64,953.22. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple of years ($\$18,000 \times 2 + \$64,953.22 = \$100,953.22$).**



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

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

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



BILL™ Talk June 9 – The Transition from Chemist to Business Director: Leadership Lessons

Amanda Palumbo, Director, Midland Section ACS

BMGT is presenting a new BILL™ Talk at MARM on WEDNESDAY, June 9, 6:00 PM as part of the Opening evening festivities. The event features an inspirational talk by Dr. Barbara Morgan, Sr. Global Business Director Pharma Sector, Lubrizol Life Science, Health. A topical networking session “Bench to Business” follows immediately. See flyer below. Register at <https://cvent.me/4x0oxl>.

BMGT BILL™ Talks (Business. Illumination. Longevity. Laughs) are a signature series of Ted-style inspirational talks supporting and recognizing excellence in the business of chemistry. The series of talks can be found at <https://bmgmt.org/bill/>.



Business. Illumination. Longevity. Laughs.



Dr. Barbara Morgan

**Sr. Global Business Director Pharma Sector
Lubrizol Life Science – Health**

The Transition from Chemist to Business Director: Leadership Lessons

Wednesday, June 9, 2021, 6:00 – 7:00 PM EDT

MARM Opening Reception

This inspiring BILL® Talk provides perspectives on her transition from the lab bench to the business side.

Topical networking reception immediately following:

‘Bench to Business’

Register today at <https://cvent.me/4x0oxl>



An Exceptional Earth Day!

Gina Malczewski and Michelle Rivard, Outreach Co-chairs, Midland Section ACS

The Midland Section celebrated Earth Day with many activities that actually spanned more than a month—starting with a **Facebook countdown** of environmental activists and pioneers. The **Illustrated Poem Contest** for grades K–12 was virtual again this year. We had 12 entries with 11 in the 3rd–5th grade and one entry in 6th–8th grade. In the former category, Eden Coppler of Bay City won 1st place, Amelia Tuttle of Saginaw won 2nd place, Aleska Ostroski of Linwood won 3rd place, and Gauge Meyer of Munger won Honorable Mention. All four students are in Mrs. Field's 5th grade class at Kolb Elementary School in Bay City. In the 6th–8th grade category, Emily Conley of Birch Run won 1st place. Emily is in Mr. Lewicki's 7th grade class at Marshal Greene Middle School in Birch Run. A yard ceremony is planned in June to celebrate our winners, where each student will receive his/her prize package and have a picture taken with a custom yard sign. Keep an eye out for the posting on our Facebook page in early June! The entries of our first place winners, Eden Coppler and Emily Conley, went on to compete in the National contest where **Eden Coppler won 2nd place**. Her Illustrated poem is currently being featured on the National ACS website at [Illustrated-poem-contest/winners](https://www.acs.org/education/illustrated-poem-contest/winners). All winners of the Midland Local Section are being featured on our website at www.midlandacs.org and on our Facebook page at [Facebook MidlandACS.org/posts](https://www.facebook.com/MidlandACS.org/posts).

Four Earth Day seminars were also held; initial attendance was virtual, but the presentations were recorded and will be available soon on YouTube. The topics and speakers were:

April 20, Naomi Cawthorne: Agriculture in Detroit's Black Community (D-Town Farm)

April 21, Dr. Michael Craig: Carbon Dioxide Clean-up: Climate Cure?

April 27, Peter Sinclair: Midland County's New Wind Farm and Clean Energy Solutions to Climate Change

May 20, Catherine Diggs and Raquel Garcia: Environmental Justice in Detroit

Our anchor event was the **Earth Action Expo**, held outside at Dow High School on May 1, 11 AM–3 PM. Even with COVID restrictions, 38 exhibitors offered activities and information on topics from recycling and solar energy, electric cars and climate-related legislation to the promotion of natural landscapes and the preservation of birds and their habitats. Free seeds and white pine seedlings were available, and science-related activities included reaction rockets and experiments with carbon dioxide. Drugs could also be dropped off for incineration and old bikes were accepted for recycling. About 200 people including volunteers, exhibitors, and attendees participated, and we enjoyed newspaper and TV coverage.

Next year we hope to have even more participation, and take many of the festivities indoors. **We appreciate the collaboration we enjoyed with Midland Center for the Arts, the Dow High Go Green Club, and Midland Recyclers**; a post-event survey of exhibitors and volunteers provided overwhelmingly positive feedback. **We were also very grateful for the (first-time) participation of NOBCCHE (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers) and their sponsorship of the food tent!**

Earth Day

Earth Action Expo Photos



Solar panel display, photo by Clare Light



Bike recycling, photo by Clare Light



Trying out e-bikes, photo by Clare Light



Safe medication disposal, photo by Clare Light



2021 Fall Scientific Meeting
Margaret Hwang, Midland Section ACS



American Chemical Society Midland Section

2021 Fall Scientific Meeting

Fast or Slow...



Save the Date:
October 23, 2021
Virtual on Zoom
Registration:
<https://sites.google.com/view/acs-2021-fsm/home>

Equity in STEM Symposium

October 22, 2021

Chemistry Makes It Go!

Sponsored by ACS Midland Section

Register for the 2021 FSM at <https://sites.google.com/view/acs-2021-fsm/home>



MSU St. Andrews
MICHIGAN STATE UNIVERSITY

Family Astronomy Night

The End of the Sun: How Large Stars Die

Wednesday, June 2, 2021 @ 7:00 PM EDT via Zoom



The Sun has been a constant source of light, warmth, and life for all of human history. But, will it always be this way? What will happen as the Sun ages? Will it get colder? Hotter? Larger? Smaller? Believe it or not, the answer to ALL of these questions is—yes! Have you ever heard of a planetary nebula? If so, did you know that the Sun may create a planetary nebula late in its life, and that despite the name, it has nothing to do with planets? And what will happen to the Earth and the other planets during all of this? Will our solar system survive? Speaking of planets—what are the planets and constellations doing in our skies in June? Join us by Zoom to learn more!

Please register to receive the Zoom login. You may register up to the presentation start time or even during the meeting to join us.

[Register Here](#)

Adults and families with school-age and older children are invited to join us virtually for a presentation focused on how large stars, like our Sun, end their lives. We will describe the life cycle of the Sun and the many stages that it will go through, with a focus on the spectacular changes near the end of its life. We will also detail how this will be different for smaller or larger stars, and what causes the differences. This will include a discussion of red giants, yellow giants, white dwarfs, and planetary nebula. We will offer some evidence for why astronomers think that all these things will happen. Finally, we will finish with a brief update on the latest news from China's Tianwen Mars mission and its Zhurong rover.

And, as always, we will show you how to find the planets and other cool things that are in the sky this month and into early July. Have you noticed that the Summer Triangle has reappeared in the eastern sky? Have you learned how to find other seasonal stars and constellations, like Polaris (the north star) in the little dipper, Arcturus in Boötes, and Spica in Virgo? Did you know that Scorpius is now visible low in the south, and that it contains some of the most southerly stars that we can see from our latitudes? Or that parts of Centaurus, far in the south, can be

seen this month? Are you ready for Venus to begin dominating the early evening sky for the next half year? Have you seen Mars getting fainter and closer to the Sun in the evening, or Jupiter and Saturn high in the pre-dawn sky? We will help you see all of these things for yourself.

Students: MSU St. Andrews participates in the [Great Lakes Bay Region STEM Pipeline, STEM Passport Program](#). You may attend an event or workshop and log it as a STEM experience on your passport!

Image credit: <http://photojournal.jpl.nasa.gov/jpeg/PIA21212.jpg>

Upcoming Programs and Events

- Visit the [Michigan State University Extension](#) website for upcoming events, classes, podcasts and more! MSU Extension helps people improve their lives by bringing the vast knowledge resources of MSU directly to individuals, communities and businesses.
 - Parents: [Michigan State University's Spartan Youth Programs Website](#) displays a wide range of exciting opportunities for youth to improve their knowledge and skills in specific subject areas. Programs are available to serve all age ranges from pre-kindergarten to high school.
 - Visit the [MSU Gifted and Talented Education \(GATE\)](#) office for accelerated academic programs for gifted students in grades 3-11.
 - Calling all creative kids! Join us for [Sketchbook Club](#), a virtual summer art camp, with the MSU Broad. We've planned online art-making adventures for the months of June and July!
 - Looking for fun outdoor activities? Visit [Go Great Lakes Bay](#) for a list of adventures and tranquil outings throughout the Great Lakes Bay region.
 - Visit the MSU St. Andrews [Events Calendar](#) and follow us on [Facebook](#) for the latest news and information on upcoming programs and events.
-

Michigan State University is committed to providing equal opportunity for participation in all programs, services, and activities. Accommodation for persons with disabilities may be requested by contacting (517) 432-4499.

[MSU St. Andrews](#)



2021 ACS Virtual Great Lakes Regional Meeting
Steve Keinath, Co-Editor, The Midland Chemist

June 6-9, 2021 (**Save the Date**) – 2021 ACS Virtual Great Lakes Regional Meeting (GLRM), hosted by the Minnesota local section. Meeting theme: *Elevating the Importance of Diversity and Inclusion in Chemistry*. For more information, or to register for this meeting, please see <https://www.glrn2021.org/>.



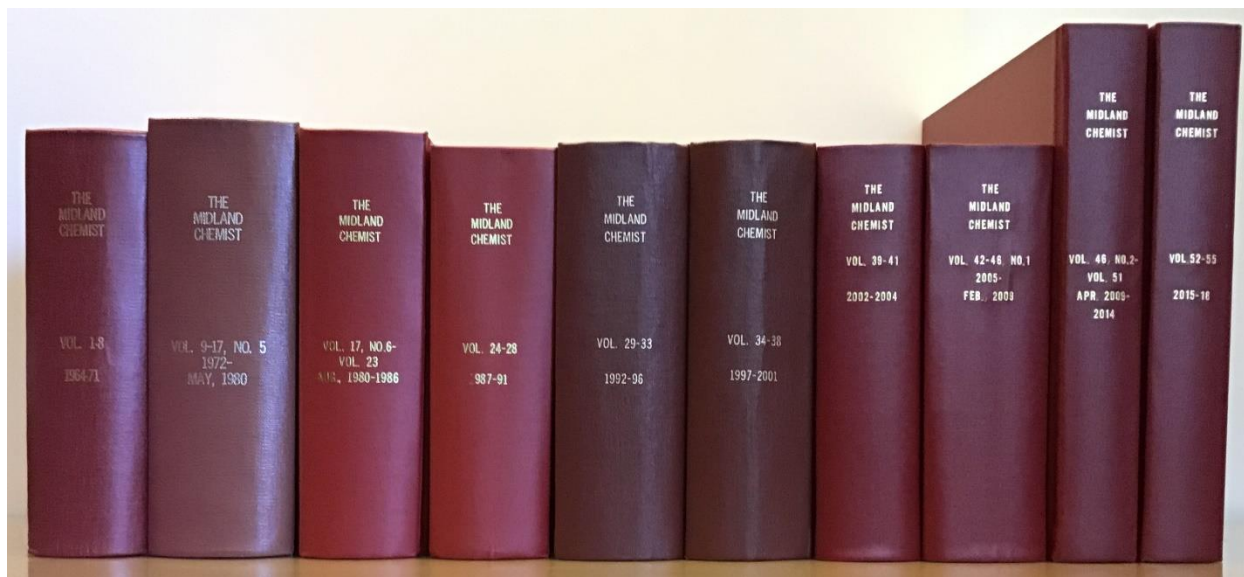
Explore the Great Lakes Regional Meeting (GLRM) [schedule-at-a-glance](#) to see what's taking place during the virtual event!

Register today to participate in the virtual technical **symposia**, **flash talks** in place of poster presentations, **workshops**, **a career fair**, **networking opportunities**, and **award ceremonies**. Workshops and events for GLRM will begin as early as June 5 and end June 10, while the Technical Program will take place June 6-9.

Please note: The Great Lakes Region of the ACS formally welcomes the Central Region of the ACS to this virtual conference. The 2021 Great Lakes Regional Meeting will also serve as the 2021 Central Regional Meeting due to complications caused by the COVID pandemic and the cancellation of the 2020 Central Regional Meeting a year ago.



In Past Issues of *The Midland Chemist*
Wendell L. Dilling, Director and Historian, Midland Section ACS



From these volumes . . .

50 Years Ago, *The Midland Chemist* 1971, 8, No. 5, 3.

In *May 17, 1971 Meeting*, Dr. Wendell L. Roelofs, “*Insect Sex Attractant Research – Aesthetic and Applied*”, Monday – 4:45 p.m. – Dow 566 Bldg. Auditorium, *THE LECTURE*: “The use of sex attractants as an alternative method to insecticide sprays for controlling insects has been delayed because of the long time involved in identifying the sex attractant chemicals of various economic pests. We now have a rapid method for identifying these structures, and have known attractant structures for over 90 lepidopterous species. (Editor’s note: Dr. Roelofs suggested the following alternate titles for his talk: “Sex and the Single Moth” or “Insecticides for Moths.”)”

40 Years Ago, *The Midland Chemist* 1981, 18, No. 5, 9.

In *Report from Atlanta, Young Finalist in Presidential Contest* by Wendell L. Dilling, Councilor: “This report describes some of the proceedings from the April 1 (no fooling) Council Meeting and meetings of the Society Committee on Publications (SCOP), of which I am a member. The big news for Midland Section members is the nomination of Dr. David C. Young, Midland Section Councilor, as one of two candidates for 1982 President-Elect of the ACS (and thus for President in 1983). His opponent is Dr. Pauline Newman, Director of the Patent and Licensing Department at FMC Corporation. The proposed nominees not chosen as candidates were Dr. Blaine McKusick from the DuPont Company and Dr. Arthur Toy from Stauffer Chemical Company. The only previous ACS President from the Midland Section was Dr. Edgar C. Britton in 1952.”

30 Years Ago, *The Midland Chemist* 1991, 28, No. 4, 3.

In *From the Chair . . .* by Peter Dreyfuss, Chair, ACS Midland Section: “What in the world isn’t science? An interesting question and a good theme for the Section’s Midland County Fair Booth. The YCC (Younger Chemists Committee) and Section retirees are working together to organize this activity. But they will need

help! Especially they'll need help to staff the Booth during the Fair August 11-17. How about it? Why don't you volunteer? Help spread the good word about science and chemistry. Call Carol Laubach (496-5740) or Shayne Green (636-0368) soon and get your choice of time slot."

20 Years Ago, *The Midland Chemist* **2001**, 38, No. 4, 20.

In *Science Literacy and Chippewa Tribe Celebrate New Lab!* by Joan McMahon: "The Project Science Literacy group of the Midland Section ACS has been working with Dow Corning to help the Aabizikaawin School build and supply a science laboratory for their high school and alternative education students. We will be celebrating the dedication of that lab on Wednesday, May 30th, at 11:00 a.m., at the Aabizikaawin School, Saginaw Chippewa Tribe, 7070 East Broadway, Mt. Pleasant MI. If you would like to attend, please RSVP Joan McMahon at joan.mcmahon@dowcorning.com by Wednesday, May 23rd, or if you have any questions, feel free to call Joan at 517-496-5569."

10 Years Ago, *The Midland Chemist* **2011**, 48, No. 3, 1.

In *Speakers to Offer Both Sides of Climate Change Debate, Climate Change Speaker Event, June 6, 6:30 p.m., FREE, open to the public, Great Hall Banquet and Convention Center, Midland* by Amy Tesolin-Gee and Eva Li, Publicity Co-chairs: "Is climate change really an issue? Is the sea ice habitat of the polar bears melting forever away? And, do human actions actually make a difference? What kind of evidence is there? Please join us for an informative discussion considering both evidence for, and against, climate change as Dr. John Christy of the University of Alabama, Huntsville and Dr. Andy Jorgensen of University of Toledo share their differing views on this controversial topic."

Upcoming Dates, Events, and Other Updates

- June 2 (7:00 PM) – MSU St. Andrews Family Astronomy Night via Zoom. See flyer in this newsletter for details and registration link.
- June 6-9, 2021 (**Save the Date**) – 2021 ACS Virtual Great Lakes Regional Meeting (GLRM), hosted by the Minnesota local section. For more information, please see <https://www.glr2021.org/>. **Please note:** The Great Lakes Region of the ACS formally welcomes the Central Region of the ACS to this virtual conference. The 2021 Great Lakes Regional Meeting will also serve as the 2021 Central Regional Meeting due to complications caused by the COVID pandemic and the cancellation of the 2020 Central Regional Meeting a year ago.
- June 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - June 2021](#), phone number: 989-633-1166.
- June 9 (6:00 – 7:00 PM) – BMGT presents a new BILL™ Talk at the 2021 Middle Atlantic Regional Meeting (MARM), *The Transition from Chemist to Business Director: Leadership Lessons*, by Dr. Barbara Morgan, Lubrizol Life Science. See article and flyer in this newsletter for details and registration information.
- August 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - August 2021](#), phone number: 989-633-1166.

- August 22-26, 2021 (**Save the Date**) – Fall 2021 National ACS Meeting & Exposition (**Atlanta, GA and Online**). Meeting theme – *Resilience of Chemistry*. For more information, please see <https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html>.
- September 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - September 2021](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**
- October 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - October 2021](#), phone number: 989-633-1166.
- October 23 (**Save the Date**) – 2021 Midland Section ACS Virtual Fall Scientific Meeting. Meeting theme: *Fast or Slow... Chemistry Makes it Go!* See flyer in this newsletter for more information. Register at <https://sites.google.com/view/acs-2021-fsm/home>.
- November 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - November 2021](#), phone number: 989-633-1166.
- December 6 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - December 2021](#), phone number: 989-633-1166.

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