

THE MIDLAND CHEMIST

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COVID-19 Precautionary Cancellations

Amanda Palumbo and Gina Malczewski, Midland Section ACS

As a precaution against COVID-19, and in compliance with best practices as advised by government agencies, the following Midland Local Section ACS events will be hosted virtually only, postponed until further notice, or cancelled.

Our committees have a selection of exciting networking and career development events coming up once the situation allows. Many thanks for your continued community support and partnership.

For the most up-to-date information on events and activities, please visit <http://www.midlandacs.org/> or <https://www.facebook.com/MidlandACS.org/>.

- **April 6** Midland ACS Board Meeting at Midland Center for the Arts from 7-8 PM moved to *virtual meeting* only. To join, WebEx conference call connection at [Midland Section WebEx Board Meeting April 2020](#), phone number: 989-633-1166.
- **April 19** Free Public Earth Day Expo from 11 AM – 4 PM at Dow High is *cancelled*.
- **April 27** Analytical Chemistry of Michigan's Hemp & Marijuana Industry at Central Michigan University is *postponed until further notice*.

- **May 6** Midland ACS Spring Awards Recognition Banquet at Great Hall Banquet & Convention Center *is cancelled*. Nominations for Midland Section ACS Spring Awards to honor outstanding educators, volunteers, and colleagues will be accepted until April 7. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.

Science History Institute Lunchtime Learner Sessions

Gretchen Kohl, Midland Section ACS

Science History Institute

Chemistry · Engineering · Life Sciences



Although our doors may be [temporarily closed](#) to help prevent the spread of COVID-19, the Science History Institute has moved some of our [programs and events](#) online. Join us starting today, Wednesday, March 25, for our [Lunchtime Lecture Series](#), informal talks by local scholars and [our own fellows](#) who will share their current research on the history and social studies of science, technology, and medicine.

Lunchtime Lectures will be held online on Wednesdays from 1:00 p.m. to 2:00 p.m. EDT via [GoToMeeting](#). You can also dial in at **872-240-3311** using access code **669-615-717**.

New to GoToMeeting? [Get the app now](#) and be ready when the lecture starts.

Prefer not to install an app? Open the meeting link from a Google Chrome browser on a desktop or laptop computer.

April 1, 2020

Colonial Chymistry: Gershom Bulkeley and the 17th-Century Connecticut Alchemical Laboratory

George Elliott

Ulliyot Scholar

Science History Institute



April 8, 2020

Scientific Fiction: Science Advising on *Star Trek*, 1964–1967

Ingrid Ockert

Haas Postdoctoral Fellow

Science History Institute



April 22, 2020

Forgery and Early Modern Science: The Case of Pseudo-Paracelsus

Hiro Hirai

Research Associate

Columbia University



About the Lunchtime Lecture Series

Based on original research—sometimes still in progress—the [Lunchtime Lecture Series](#) features talks by historians of science, research fellows, artists, and others. The series is a project of the [Arnold and Mabel Beckman Center for the History of Chemistry](#) at the Science History Institute. Check [our website](#) for event updates and additional lectures. For more information about this series please contact lunchtimelectures@sciencehistory.org.

About the Science History Institute

The [Science History Institute](#) collects and shares the stories of innovators and of discoveries that shape our lives. We preserve and interpret the history of chemistry, chemical engineering, and the life sciences. The Institute houses an [archive](#) and a [library](#) for historians and researchers; a [fellowship program](#) for visiting scholars from around the globe; a community of [researchers](#) who examine historical and contemporary issues; an award-winning [digital content platform](#) that includes videos, articles, and a podcast; an acclaimed [museum](#) that is free and open to the public; and a state-of-the-art [conference center](#).



2020 MSU St. Andrews Summer Internships, Application Deadline April 27

Melanie Kaufman, Senior Communications Manager, Michigan State University



MSU St. Andrews
MICHIGAN STATE UNIVERSITY

Summer Research Application Now Open for High School Students



MSU has been privileged to offer mid-Michigan students a summer research experience for the past four years. Although COVID-19 poses special challenges, MSU St. Andrews is committed to continue the program in innovative ways that conform to 2020 realities. The faculty and staff

appreciate the interest of regional students and their flexibility and creativity under uncertain circumstances.

For Summer 2020, all student research is currently scheduled to be conducted **virtually, with no requirements to attend in-person**. Research will include projects in chemical or material sciences, computer programming, and writing. Eligible students are welcome to apply for any or all programs.

High school juniors and seniors are invited to apply for the research fellowships, which will run approximately eight weeks - currently planned from June 22 through August 14. MSU St. Andrews will seek to optimize program dates, hours, and compensation as events unfold, until the date on which offers are extended to selected students. In any case, students are not expected to participate on July 3 for the Independence Day holiday.

The application deadline is April 27, 2020.

The selection of students in each group will be determined by student interests (as expressed in their application). Selected participants will be notified in late May.

Students should be sure to read all details for eligibility before applying.

Good luck and best regards from MSU St. Andrews!

NOTE: Please share this information broadly with students who may be interested.

[Learn More & Apply](#)

Michigan State University programs, activities and facilities are available to all without regard to race, color, gender, religion, national origin, political persuasion, sexual orientation, marital status, disability, height, weight, veteran status, age or familial status. Please inform us if you need any accommodation for accessibility at (517) 432-4499.

MSU St. Andrews | [Website](#)



2020 Spring Awards Nominations, Deadline June 1
Diana Deese, Awards Committee Chair, Midland Section ACS

The Spring Awards Banquet had to be cancelled due to the uncertainty of the COVID-19 situation and in light of schools being cancelled for the remainder of the school year. We are still planning to recognize the students and select recipients from the award categories:

- Outstanding Elementary Level Science Teaching
- Outstanding High School Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement and Promotion of the Chemical Sciences
- Promotion of Diversity in Chemistry, Related Sciences and Engineering
- Outstanding Service to the American Chemical Society
- Team Innovation Award
- Outstanding Middle Level Science Teaching
- Outstanding College Chemistry Teaching
- Outstanding Chemical Technician

I have extended the deadline for submitting nominations to June 1st. I will begin sending out letters and certificates/plaques to awardees in mid-May (for high school students and as received thereafter) and in June for college students and other awardees (so that the committee can select recipients where needed and plaques can be engraved).

A comprehensive list of awardees will be posted on the ACS Midland Section website in July or August and also in local papers. We are also investigating alternatives to the banquet that might be possible later in the summer.

Award criteria can be found in the January issue of the *Midland Chemist* or by request from dkdeese@dow.com.

(Electronic submissions are acceptable and preferred.)

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

Changes for Earth Day 50: Get involved from Home
Gina Malczewski, Outreach / Earth Day, Midland Section ACS

The current public health situation has driven the postponement/cancellation of our FREE Earth Action Expo scheduled for April 19 at Dow High School. Many vendors, activities, and informational programs were planned; Midland ACS Outreach and its partners (Midland Recyclers, the Midland Center for the Arts, the Arnold Center and Dow High School's Go Green Club) hope to offer some version of the original event, along with other seasonally-appropriate activities, later in the year.

The Illustrated Poem Contest, however, will go on as planned, although all aspects are now virtual. Submissions must be made with a sponsor and must be digital—anything from a cell phone picture to a pdf is acceptable. There are specific age categories, and the local contest will have prizes; first place local winners will be submitted to the National ACS contest. This year's theme is "Protecting our Planet Through Chemistry" and we hope the "Stay at Home" edict now in place will allow more youngsters to submit. Please see details at the following website:

<https://www.acs.org/content/acs/en/education/outreach/ccew/plan-an-event/illustrated-poem-contest.html>

Questions should be directed to Michelle Rivard at michelle.rivard@dow.com or www.outreach@midlandacs.org

In addition, our **Countdown to Earth Day continues** on our Facebook page (<https://www.facebook.com/MidlandACS.org/>) with many suggestions for easy activities that benefit the planet.

In addition, arrangements are being made for some of the speakers originally scheduled for April 19 to do **virtual Zoom events**, which allow for audience/speaker interactions. Please check our Facebook page and the website home page (www.midlandacs.org) for links; details may also be found in flyers in this newsletter, as well as in the “Upcoming Dates and Events” section at the end of this newsletter. ANYONE can join from ANY computer station by just using the link provided. Current plans are to record these events and also make them available on our webpage and/or other appropriate platforms. And last but not least, we are hoping to make some **outreach videos** of simple experiments and activities for Earth Day, so please look for links to those at the locations already mentioned.

Stay safe, but stay involved!

Chemists Celebrate Earth Week Guidelines and Additional ACS Resources

Link to new CCEW guidelines: <https://www.acs.org/content/acs/en/education/outreach/ccew.html>

Given current federal, state, and local governmental and world health authority directives and guidelines on social distance and limitations on gatherings to address the rapidly evolving COVID-19 pandemic, **all ACS Groups are advised to postpone or cancel in-person CCEW events**. Instead, because of the surge in e-learning and working from home, ACS is encouraging the sharing of digital resources and the planning of virtual events. Please check out our [new resources](#) to help you transition to a digital CCEW campaign.

For more information, visit [ACS Efforts & Resources on COVID-19](#).

For years, chemists have been promoting a better world through recyclable plastics, cleaner-burning fuels, phosphate-free detergents, environmental monitoring, and green chemistry initiatives. To promote the positive role that chemistry plays in the world, ACS established the **Chemists Celebrate Earth Week** (CCEW) public awareness campaign. During CCEW, ACS members and chemistry enthusiasts celebrate by coordinating events and communicating the importance of chemistry. [Read more about CCEW](#).

Earth Day Zoom Series: *Here Today – Renewable Solutions to Climate Change*, April 13, and *From Rust to Resilience*, April 20
Gina Malczewski, Outreach / Earth Day, Midland Section ACS

Here Today – Renewable Solutions to Climate Change

Many Americans are not aware that renewable energy, solar and wind, are already the cheapest source of new electrical generation, and Mid-Michigan has now become a leader in deploying them!

**Live ZOOM
Presentations
recommended for
ages 12 & up:**
just click on the link!



Sandra Svoboda is currently Great Lakes Now program director. She joined Detroit Public TV in 2018 after five years at WDET-FM. She earned a bachelor's in journalism and history from Indiana University and holds two master's degrees from Wayne State; she has been nationally recognized for her research and writing. Sandra's print, digital, radio, TV, documentary, mentoring, and engagement work has been recognized by the Impact Doc Awards, State Bar of Michigan, Michigan Associated Press and others.

4 pm EDT Monday April 13, 2020

<https://msu.zoom.us/j/548098693>

Peter Sinclair is a Michigan-based Videographer, specializing in climate change and renewable energy issues. Mr. Sinclair has created hundreds of educational videos correcting climate science misinformation, including the monthly "This is Not Cool" series for Yale Climate Connections, which has run since February 2012. Mr. Sinclair is also Media Director of The Dark Snow Project, a crowd-funded, international Climate Communications effort, focusing on the Greenland ice sheet and sea level rise.



From Rust to Resilience:

What Climate Change Means for Great Lakes Cities

Hotter heat waves, more intense flooding and the severity of storms are expected to increase as climate change advances on the Great Lakes region. With aging infrastructure and sewer systems and shorelines being proven susceptible to varying water levels, Great Lakes communities are especially susceptible to climate change impacts. This program explains the dynamics of climate change as well as the responses in some cities.

4 pm EDT Monday April 20, 2020

<https://msu.zoom.us/j/548098693>



American Chemical Society,
Midland Section

**Co-sponsored by
Michigan State University**

Earth Day Zoom Series: *The Food Waste Challenge*, April 16, and *The Scientific TRUTH About Global Warming*, April 15
Gina Malczewski, Outreach / Earth Day, Midland Section ACS

The Food Waste Challenge: Opportunities and Technologies to Address the Global Problem

About 40% of world food production goes uneaten. Food waste can occur early in the food supply chain (tomatoes rotting in the field) or at the consumer level (green cheese in your refrigerator). Waste can be repurposed into opportunity: it can be reduced, or "recycled" to feed people or animals. If not recycled, waste "reuse" for renewable energy or in fertilizer production is possible. We will discuss a systems approach, including specific efforts ongoing at MSU, to understand the social and technological opportunities associated with food waste reduction.



4 pm EDT Thursday April 16, 2020

<https://msu.zoom.us/j/548098693>

Dana Kirk is assistant professor in Biosystems and Agricultural Engineering at Michigan State University. He is actively engaged with research, teaching and outreach related to anaerobic digestion, food waste utilization and renewable energy. He is the manager of the Anaerobic Digester Research and Education Center (ADREC), and has also consulted with production agriculture to address environmental challenges.



**Live ZOOM
Presentations
recommended
for ages 12 & up:
just click on the link!**

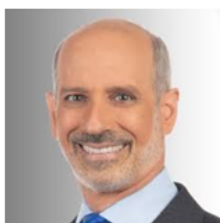
The Scientific TRUTH About Global Warming

There's an old saying: "Climate is what you expect, weather is what you get," and Earth's changing climate is indeed changing our weather. Global warming is complicated, until you break it down into its basic elements. This presentation will focus on just that science, with NO politics whatsoever. You will learn the scientific truth about what global warming is really doing to our planet's meteorology, and what changes we are seeing locally as a result.

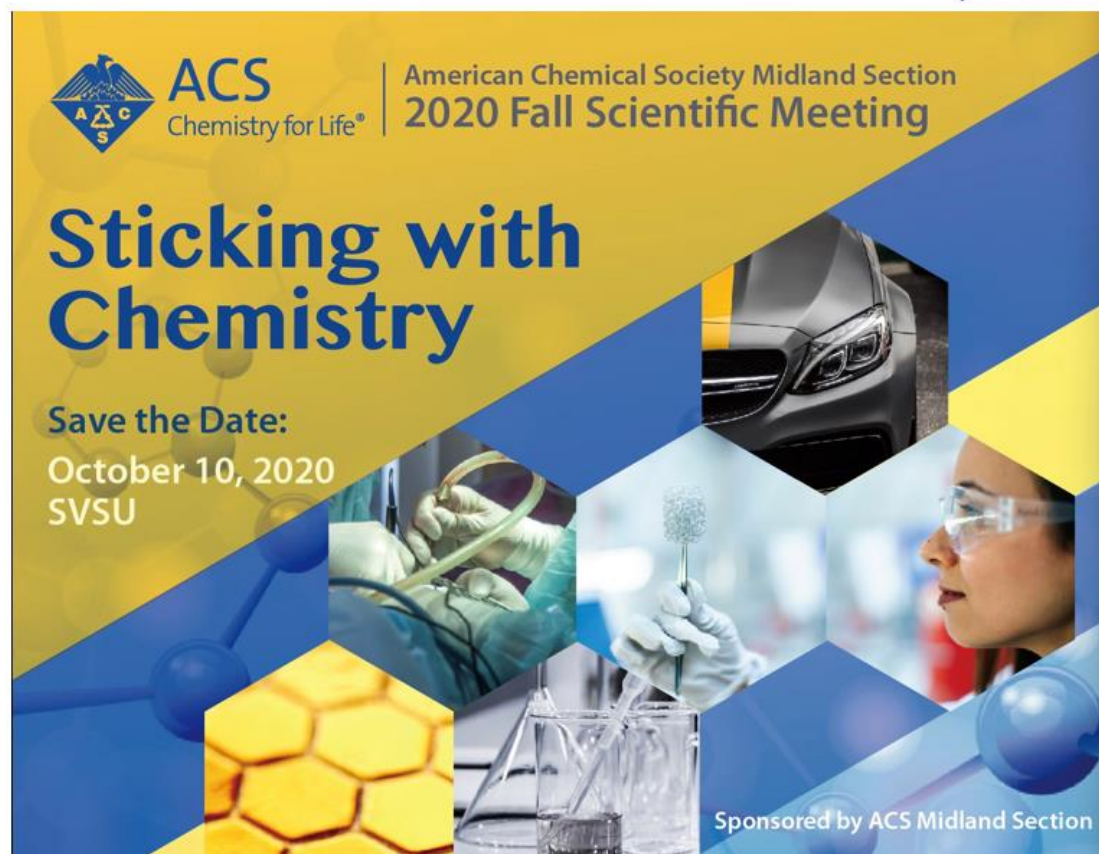
4 pm EDT Wednesday April 15, 2020

<https://msu.zoom.us/j/548098693>

Paul Gross has worked at WDIV-TV since 1983, and is a court-qualified expert witness in meteorology who has testified in nearly four dozen trials. He is one of the nation's leaders in teaching the scientific truth about global warming, and interviewed his first climate scientist about this ~30 years ago. Paul has received nine Emmys for his weather presentations and climate/science reporting, and his live 2016 Climate Change Webcast, won a first place award from the Michigan Association of Broadcasters.



Meeting save the date flier



American Chemical Society

Analytical Chemistry of Michigan's Hemp & Marijuana Industry – Postponed until further notice
Dale LeCaptain, Councilor, Midland Section ACS



ACS Local Section
Midland YCC, WCC, &
CMU Student Members

INVITE YOU

CMU's Chemistry 371 class presents:

Analytical Chemistry of Michigan's Hemp & Marijuana Industry

- ☐ Poster Presentation
- ☐ Network Event
- ☐ Free Pizza (w/ cash bar)



Monday April 27 ---- 6 - 8:30 pm

Hunter's Ale House (Cask Room)
4855 E. Blue Grass Rd, Mt Pleasant



FEATURING:
CMU Fermentation Science
Draft Beers of 2020!
Samples highlighted by the student
brewers after 7 pm.

Contact & questions: lecap1dj@cmich.edu

Girls Only STEM Event at MCFTA
Lauren Jackson, Midland Section ACS

It was an honor to speak at the [Midland Center for the Arts](#) - Girls Only-STEM event. I spoke about how I discovered my love of Chemistry through my passions in art, innovation, and design. I warned them that along the way, there will be many people who doubt you or encourage to do something "easier," but it is important to stay your course and keep your eye on the prize. I was happy to invite my own Little Sister and other Big and Little Sisters from [Big Brothers Big Sisters of the Great Lakes Bay Region](#), thus, combining three of my favorites: outreach, art, and science!

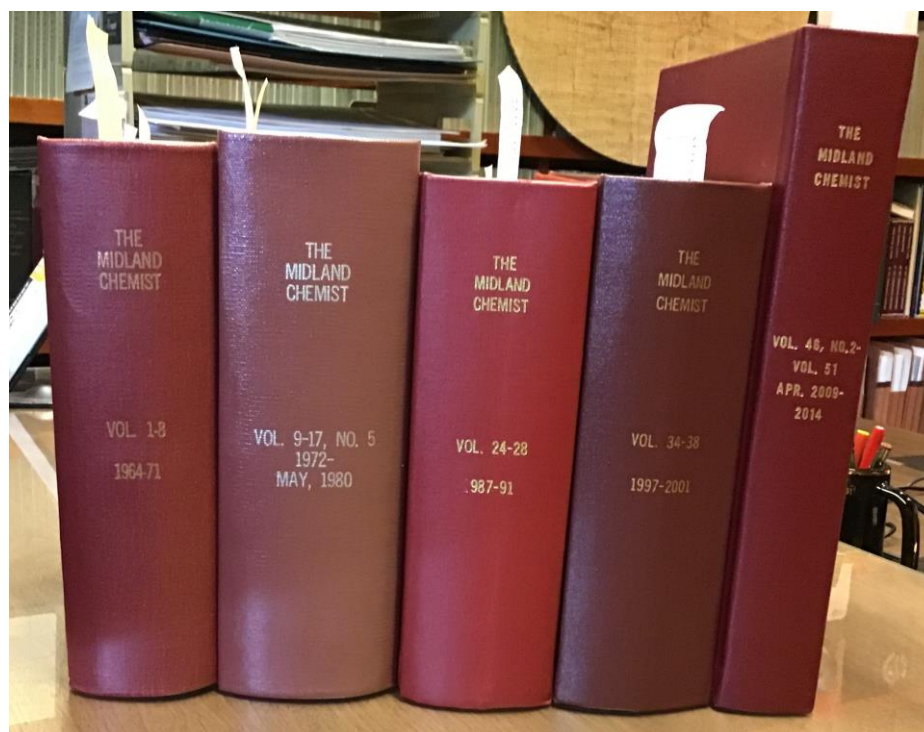
[LinkedIn Girls Only STEM event post](#)



Photo provided by Lauren Jackson

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* 1970, 7, No. 3, 8.

In *Assignment in Munich* by H. E. Hennis, group leader, Organic Chemicals Production Research Laboratory, The Dow Chemical Company: "It was a heady experience when I was granted a Career Scientist Assignment to study at the Institute of Organic Chemistry, University of Munich, Germany. However as the date of departure approached, this elation turned to some anxiety as my family and I anticipated the problems of language, customs, protocol, and finding housing in an overcrowded city. As always, these fears were unwarranted since with the help of Prof. Sauer, we were situated quickly and comfortably in a new furnished apartment with a view of the snow-covered Alps (on a clear day.)"

40 Years Ago, *The Midland Chemist* 1980, 17, No. 4, 239.

In *Psychologist to Discuss Scientists' Problems* by Susan I. F. Weitz, Editor, *The Midland Chemist*: "Are physical scientists different from the rest of the community?"

Yes, Dr. Robert J. Greene, administrator of the Midland Mental Health Center, will say in a talk to members of Sigma Xi at their next meeting at 8 p.m. April 17 at the Dow 47 Building auditorium. The talk is free and open to the public. A diplomate in clinical psychology of the American Board of Professional Psychology, Greene will speak on "Psychological Blocks for Scientists: A Family Affair."

Scientists, Greene has concluded as the result of his clinical work in Midland, may have common psychological and interaction problems; moreover, they have common expectations of a psychotherapist. Greene told the *Midland Chemist* that scientists expect rapid and concise evaluations of their problems and a clear and logical framework for solutions if they seek professional help."

30 Years Ago, *The Midland Chemist* 1990, 27, No. 3, 3.

In *Chairman's Column* by Bill Pike, Chairman, ACS Midland Section: "The spring season is upon us, at least the calendar says so. But spring fever has not hit us: our local section has been busy with a number of activities. The newly combined Authors'/Awards night on April 10 at the Industrial Engineering Technology Building at CMU was attended by about 60 individuals with 20 posters representing the 1000+ publications/patents by section members. Dr. Robert Frank, the University Provost, gave a few opening remarks, followed by Randy Schmidt with the college student awards and then the poster session."

20 Years Ago, *The Midland Chemist* 2000, 37, No. 3, 1.

In *Chairman's Column, Second-Choice Votes Ensure Majority Rule* by Wendell Dilling, Chair, ACS Midland Section: "Jesse Ventura 37%, Bill Clinton 43% and 49%, Alan Nixon 48%, Bernard Friedman 45%. These percentages represent ballots cast by U.S. citizens or ACS members in favor of a Minnesota governor (1998), U.S. president (1992 and 1996), and ACS president-elect (1971 and 1972), respectively. In other words, 63%, 57%, 51%, 52%, and 55%, respectively, of the people who voted did not vote for the candidates who were elected, yet each candidate was elected to the position he sought. The ACS has learned how to avoid this situation where a minority of the voters elects the winning candidates. The United States would do well to follow this example."

10 Years Ago, *The Midland Chemist* 2010, 47, No. 2, 1.

In *Earth Day April 24* by Gina Malczewski, Kids & Chemistry Committee: "Green is all the fashion these days, and it's time we recognize plants, our source of inspiration!

Did you know that on average, each person eats 33 lb of bananas per year? That 1/3 of the earth's land surface is covered by forests?

"Plants-The Green Machines" will be the focus of the 40th anniversary of Earth Day, which will be celebrated Saturday April 24, 10 a.m. to 2 p.m. at the Midland Center for the Arts."

Upcoming Dates, Events, and Other Updates

- April 1, 8, 22 (1:00 – 2:00 PM) – Science History Institute lunchtime lectures will be held online on Wednesdays in April from 1:00 p.m. to 2:00 p.m. EDT. See article in this newsletter for details.
- April 6 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, Central Michigan University (in person, specific location TBD), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting April 2020](#), phone number: 989-633-1166.
- April 13 (4:00 PM) – Earth Day Live Zoom Presentation: *Here Today – Renewable Solutions to Climate Change* by Peter Sinclair. See flyer in this newsletter for details. Link to Zoom presentation: <https://msu.zoom.us/j/548098693>.
- April 15 (4:00 PM) – Earth Day Live Zoom Presentation: *The Scientific TRUTH About Global Warming* by Paul Gross. See flyer in this newsletter for details. Link to Zoom presentation: <https://msu.zoom.us/j/548098693>.
- April 16 (4:00 PM) – Earth Day Live Zoom Presentation: *The Food Waste Challenge: Opportunities and Technologies to Address the Global Problem* by Dana Kirk. See flyer in this newsletter for details. Link to Zoom presentation: <https://msu.zoom.us/j/548098693>.
- April 20 (4:00 PM) – Earth Day Live Zoom Presentation: *From Rust to Resilience: What Climate Change Means for Great Lakes Cities* by Sandra Svoboda. See flyer in this newsletter for details. Link to Zoom presentation: <https://msu.zoom.us/j/548098693>.

- April 19 (11:00 AM – 4:00 PM) – *Earth Action Expo* event, sponsored by Midland Section ACS, Midland Volunteers for Recycling, the Arnold Center, and Dow High School's Go Green Club, H.H. Dow High School, 3901 North Saginaw Road, Midland. For more information or any questions, please contact Gina Malczewski at reginamalczewski@gmail.com. **Please note: Midland Public Schools has suspended all community events until further notice due to the concern for extra caution and social distance during the COVID-19 pandemic. Therefore, the Earth Action Expo event is canceled. Virtual activities will still take place. Watch the Midland Section ACS Facebook page for updates.** ([Midland ACS Facebook](#))
- April 27 (6:00 – 8:30 PM) – Midland Section ACS, YCC, WCC, and CMU Student Members sponsored program, *Analytical Chemistry of Michigan's Hemp & Marijuana Industry*, Hunter's Ale House (Cask Room), 4855 East Bluegrass Road, Mount Pleasant. For more information or any questions, please contact Dale LeCaptain at lecap1dj@cmich.edu. **Please note: This event has been postponed due to the COVID-19 pandemic.**
- April 27 – **Deadline for MSU St. Andrews Summer Internship program applications.** The following webpage offers additional details: <https://standrews.msu.edu/2020/04/05/summer-2020-research-application-now-open/>. For any other questions, please contact Melanie Kauffman at kauffman59@msu.edu or 517-432-4499.
- April 30 – **RSVP deadline for ACS Spring Awards Recognition Banquet**, to be held May 6. See RSVP details on page 7 of this newsletter. Contact: Diana Deese at dkdeese@dow.com or 989-636-9915.
- May 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting May 2020](#), phone number: 989-633-1166.
- May 6 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: \$20.00 per person. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915. **Please note: This event has been canceled due to the COVID-19 pandemic. Award recipients will still be recognized.**
- May 27 – 29, 2020 (Save the Date) – 2020 ACS Central Regional Meeting, Columbus, OH. For more information, please see https://cerm2020.org/?sc=200226_mtg_em_regional_CERM_od. At present, regional meetings are proceeding as planned. Please see link for updates.
- June 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting June 2020](#), phone number: 989-633-1166.
- June 1 – **Deadline for Midland Section ACS Spring Awards nominations** to honor outstanding educators, volunteers, and colleagues. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- August 3 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting August 2020](#), phone number: 989-633-1166.
- August 16-20 (Save the Date) – Fall 2020 National ACS Meeting & Exposition, San Francisco, CA. Meeting theme – Moving Chemistry from Bench to Market. For more information, and to submit an abstract, please see <https://www.acs.org/content/acs/en/meetings/national-meeting/abstract-submission.html>.
- September 8 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting September 2020](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**

- October 5 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting October 2020](#), phone number: 989-633-1166.
- October 10 (Save the Date) – 2020 Midland Section ACS Fall Scientific Meeting. Location: Saginaw Valley State University. Meeting theme: *Sticking with Chemistry*.
- November 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting November 2020](#), phone number: 989-633-1166.
- December 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting December 2020](#), phone number: 989-633-1166.

The Midland Chemist is published twelve times a year by the Midland Section of the American Chemical Society, P.O. Box 2695, Midland, MI 48641-2695, <http://www.midlandacs.org>.

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Please submit all articles and photographs to the editor. Neither *The Midland Chemist*, nor the Midland Section, nor the American Chemical Society assumes any responsibility for the statements and opinions advanced by contributors of or to *The Midland Chemist*.

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