

THE MIDLAND CHEMIST

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Contents

2019 Fall Scientific Meeting – Call for Abstracts.....	2
Call for Nominations for 2020 Officer and Director Candidates.....	3
Governor Names Regina Malczewski Senior Volunteer of the Year	3
Local Residents and Businesses Receive State Recognition	4
Midland Section ACS Centennial Exhibit – Invitation to Visit	5
“A Century of Science and Service” – Updates and Prizes!	5
Sam Kean Presents: <i>The Disappearing Spoon and other Table Tales</i> , November 5	7
What I Learned with Mark Jones, The Dow Chemical Company.....	8
Sidney Harris Cartoon	12
Upcoming Dates, Events, and Other Updates.....	13

American Chemical Society Midland Section
FALL SCIENTIFIC MEETING
CALL FOR ABSTRACTS
Oral & Poster Presentations

MARVELOUS METALS

26 October 2019 | SVSU

Registration • Follow the Sign Up Genius Link at <http://www.midlandacs.org/> • Deadline: 7 October 2019
Submission • Please Submit Title & 300 Word Abstracts to acsfallsubmits@gmail.com • Deadline: 30 September 2019

Sponsored by ACS Midland Section and SVSU Chemistry Club

2019 Fall Scientific Meeting – Call for Abstracts

Elizabeth Santos, 2019 Fall Scientific Meeting Committee, Midland Section ACS

Announcing the 2019 Fall Scientific Meeting

Saturday, October 26, 2019, 8:00 AM – 5:00 PM, Curtiss Hall, Saginaw Valley State University
Check-in starting at 7:30 AM. Meeting theme: *Marvelous Metals*

The Midland Section of the ACS and the SVSU Chemistry Club cordially invite you to participate in this year's Fall Scientific Meeting and explore our theme of *Marvelous Metals!* The event will feature morning oral presentations and an afternoon poster session.

Keynote Speaker

Dr. Jerzy Klosin (Fellow, Core R&D) from Dow will present on “Development of Molecular Catalysts for the Production of Ethylene-Based Copolymers”



Additional Featured Speakers

Prof. Ronald Tackett – Kettering University
Prof. Martin Crimp – Michigan State University
Prof. J. Wayne Johns – University of Michigan
Prof. Gabriel Caruntu – Central Michigan University

A complete program and abstract book will follow.

Important Dates

Abstract Submission Deadline for Poster and Oral Presentations: September 30, 2019
Fall Scientific Meeting Registration Deadline: October 7, 2019

Call for Abstracts

For poster and oral presentations, please submit a title and a 300-word abstract to acsfallsubmits@gmail.com.

Oral presentations will be 20 minutes in length with 10 minutes for Q&A. Posters have suggested dimensions of 48" x 36". Strict adherence to the meeting theme is not a requirement.

Event Cost

This meeting is FREE! All registrants are encouraged to join us in the SVSU Marketplace Café for lunch, where you can purchase your meal directly. The first 100 students to register for the meeting will receive a complimentary meal ticket.

Registration

To ensure that name tags are available for all presenters and attendees, please use the [2019 FSM SignUpGenius](#) page to register. This will also ensure that we have adequate accommodations for all attending. For more information or any questions, contact Elizabeth Santos (emsantos@dow.com) or Tom Bekemeier (tom.bekemeier@dow.com).

Call for Nominations for 2020 Officer and Director Candidates

Michelle Cummings, Chair, Nominations and Elections Committee

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2020:

- 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)

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Michelle Cummings at michelle.cummings@dow.com or 989-496-4672. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Michelle Cummings. You are also encouraged to visit our website at www.midlandacs.org.

Governor Names Regina Malczewski Senior Volunteer of the Year

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The article is reprinted, in part, from an article that appeared in the Wednesday, July 31, 2019 issue of the *Midland Daily News*. Congratulations, Gina.



With over 2,000 volunteer hours annually and her loyalty, Michigan Governor Gretchen Whitmer recently named **Dr. Regina Malczewski** (photo at left) Senior Volunteer of the Year.

Governor Whitmer said via a press release that Gina Malczewski has been selflessly serving the Midland community – and beyond – through the American Chemical Society for more than 35 years. She has devoted her time to be a science coach, training teachers in science, technology, engineering, and math (STEM) concepts, developing programs relative to her audiences, along with obtaining grants to fund these events.

Along with these day-to-day events, Dr. Malczewski spearheaded a seven-month running historical exhibit at the Doan Midland County History Center in celebration of the ACS Midland Section's 100th anniversary of "Science and Service."

Through her efforts, she has made a significant impact on the community, inspiring students, and supporting educators in the STEM fields. "She has effectively and gracefully left a permanent imprint on the science education field," said Whitmer.

Also earning the title were Jelanie Bush of Newaygo, Mildred Bond Johnson of Muskegon, Karl Knauf of Bellaire, Grace LaValley of Marquette, Heide McNichols of Traverse City, and Mary Ann Ryan of Pontiac.

Local Residents and Businesses Receive State Recognition

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: This article is reprinted, in part, from an article that appeared in the Monday, September 9, 2019 issue of the *Midland Daily News*. The original *Midland Daily News* article was authored by Ashley Schafer, Ashley.Schafer@hearstnp.com.

Midland-area residents and businesses were among the recipients of the 2019 Governor's Service Awards and were honored at a special event at the Detroit Opera House on Thursday, September 5, 2019.

Midland resident Regina Malczewski was honored by the governor for her volunteer efforts, receiving the Senior Volunteer of the Year Award. Malczewski was among the 43 recipients of the 2019 Governor's Service Awards, which were announced in late July by Governor Gretchen Whitmer and the Michigan Community Service Commission. The winners chosen were individuals, businesses, and non-profit organizations that were selected for their commitment to volunteerism, service, and philanthropy.

In addition to Malczewski, two other area residents – Ann T. Fillmore of Coleman and Richard Stringfield of Saginaw – were also awarded the Volunteer of the Year Award. And, Trinseo, a global plastics manufacturer based in Midland and Auburn, won the Corporate Community Leader Award.

“Our state is lucky to have such outstanding Michiganders who work hard every single day to build a home for opportunity for everyone,” said Governor Gretchen Whitmer in a prepared statement. “Whether it’s uplifting our neighborhoods or bringing communities together when tragedy strikes, they do this work even when nobody is looking because they know that every contribution makes a huge impact.”

The Governor's Service Award winners were honored on September 5 during a special ceremony hosted by the Michigan Community Service Commission at the Detroit Opera House.

“The event was a celebration of service, introducing honorees, young and old, corporate and individual, who have been involved in projects from mentoring and growing food, to supporting cancer victims and veterans, and everything in between,” Malczewski said. “It was punctuated by performances from local talent and ended with what I can only describe as a group dance! It was wonderful to meet the governor, who amazingly seemed to recognize by name.”



Midland resident **Regina Malczewski** (left) poses with **Michigan Governor Gretchen Whitmer** (right) at an award ceremony on September 5, 2019 in Detroit.

Regina Malczewski, who has been serving the Midland community, and beyond, through the American Chemical Society for more than 35 years, has devoted more than 2,000 volunteer hours a year as a science coach, training teachers in STEM concepts, developing programs relative to her audiences, along with obtaining grants to fund those events. Most recently, she spearheaded the ACS “Century of Science and Service” exhibit at the Doan Midland County History Center in honor of the 100th anniversary of the Midland Section of the ACS.

Malczewski said she is honored to have received the award and it was great to be recognized among so many people who have done meaningful things for their communities. “It is terrific to be appreciated by the ACS and beyond,” she said. “I appreciate the support that I get from our other members and I’m humbled to be among the others being recognized.”

For more information about the 2019 Governor’s Service Award winners, please visit: <https://www.michigan.gov/mcsc/0,4608,7-137-8168---,00.html>.

Midland Section ACS Centennial Exhibit – Invitation to Visit



A Century of Science and Service
1919-2019
MIDLAND SECTION
AMERICAN CHEMICAL SOCIETY

Commemorating the Centennial of the Midland Section of the American Chemical Society and the local and global impact of its members.

Featuring topical **videos, artifacts and interactive elements** that highlight chemistry and the 150th anniversary of the Periodic Table.

Go to our website for more information, and details about **FREE PROGRAMS**.
www.midlandacs100.org

100th ANNIVERSARY EXHIBIT

Herbert D. Doan Midland County History Center
3417 W Main St, Midland, MI 48640
Weekdays 9-5, most weekends 12-4

Open now through the end of 2019

Chemistry: The Study of EVERYTHING!

The universe is made of matter. The physical stuff around us. Chemistry is the study of that matter.

How do we know what we know? We use our senses. We use our eyes, ears, nose, and touch. We use our hands. We use our minds. We use our hearts. We use our souls. We use our spirits. We use our faith. We use our hope. We use our love. We use our compassion. We use our empathy. We use our kindness. We use our generosity. We use our forgiveness. We use our patience. We use our perseverance. We use our determination. We use our courage. We use our strength. We use our power. We use our influence. We use our authority. We use our leadership. We use our vision. We use our dreams. We use our aspirations. We use our goals. We use our dreams. We use our aspirations. We use our goals.

Go to our website for more information, and details about **FREE PROGRAMS**.
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Herbert D. Doan Midland County History Center
3417 W Main St, Midland, MI 48640
Weekdays 9-5, most weekends 12-4

Open now through the end of 2019

“A Century of Science and Service” – Updates and Prizes! *Gina Malczewski, Centennial Committee, Midland Section ACS*

New artifacts are on display at the Midland Section ACS Centennial exhibit – some on loan from the Science History Institute. See H.H. Dow’s personal copy of the ACS bylaws from 1898 and one of Charles Strosacker’s patent packages; medical devices from Dow Corning have also been added. More kids’ activities (with prizes) are also now available, and on-site kiosks allow direct access to the centennial website.

Most recently, there was an Inventor's Forum at the exhibit on September 14, 1:00-2:00 PM. This family event featured local inventors and their inventions, and offered an opportunity for questions and answers. Other programs are coming soon. Please continue to check the "regular" and centennial websites for the latest information.

As first mentioned a couple of months ago, there is still a contest going on for exhibit visitors. **The first 25 people who send an e-mail with answers to the following questions to reginamalczewski@gmail.com (Centennial committee members ineligible) will be entered in a drawing to win a \$25 Gratz gift certificate!**

Please answer the following and tell us **where in the exhibit you saw the answer:**

1. What percentage of the human body is hydrogen?
2. What "number" is Ogden Pierce?
3. What happened on April 8, 1946?

The Centennial Exhibit at the Doan History Center on Main Street is open weekdays 9:00 AM to 5:00 PM. We intend to have adjunct educational programs each month that the exhibit is open, through December 2019. There will be different topics for each month, all related to the exhibit, and they will include art projects, hands-on science demos, and a scavenger hunt, among other special things of interest for the broader community. We will also be bringing in a special guest speaker and book author, Sam Kean, on November 5.

The table below outlines a tentative schedule of what to look forward to in the coming months.

Tentative Schedule of Midland Section ACS 2019 Centennial Exhibit Programs		
Date	Venue	Program
October 12	Heritage Park History Campus	Scavenger Hunt
October 19	Doan History Center Atrium	Silly and Special: Warrick's Putty, or It's a Wrap! – The Science of Saran™ and Plastic Films
November 5	Doan History Center Atrium	Sam Kean: Stories about Elements and Chemicals in History (and book signing)
December 7	Doan History Center Atrium	Silly and Special: Warrick's Putty, or It's a Wrap! – The Science of Saran™ and Plastic Films
December 14 or 15	Doan History Center Atrium	Christmas Chemistry and Crafts

In addition, we are also planning hands-on science activities for school groups that will be coming to visit the Centennial Exhibit throughout the duration of the museum display. For any questions about the Centennial Exhibit, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

**Sam Kean Presents: *The Disappearing Spoon and other Table Tales*, November 5
Gina Malczewski and Gretchen Kohl, Centennial Committee, Midland Section ACS**

To celebrate the 150th anniversary of the Periodic Table and the Midland Section ACS centennial exhibit, we are hosting best-selling author Sam Kean on November 5 from 6:00 to 8:00 PM in the Solutions Room at the Herbert D. Doan Midland County History Center.

Sam will present and embellish on “elemental” stories from his book *The Disappearing Spoon* and also sign books, including his latest, *The Bastard Brigade*. He is also the author of *Caesar’s Last Breath*, and *The Violinist’s Thumb*.

Representatives from Barnes and Noble will be present to offer some of his books, and the Grace A. Dow Library will be featuring some of them (along with other popular chemistry titles) before his visit. This event is free and open to the public.

The Midland Section of the American Chemical Society invites you to:

THE DISAPPEARING SPOON
and Other Table Tales
An evening with best-selling author
SAM KEAN



6-8 pm, November 5 2019
Herbert D. Doan History Center
Solutions Room
3417 W. Main St. Midland

**Bring your books for signing,
or get new ones!**



What I Learned with Mark Jones, The Dow Chemical Company

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The following article is reprinted, in part, from the July 1, 2019 issue of *Industry Matters Newsletter*, an online publication of the American Chemical Society, and based on an interview with Mark for that particular issue. Mark Jones is currently serving as the Chair-Elect of the Midland Section of the ACS and will be the Midland Section ACS Chair in 2020. Mark is also a Fellow of the American Chemical Society (Class of 2017).



Mark E. Jones, Ph.D., Executive External Strategy and Communications Fellow, The Dow Chemical Company (photo at left)

Mark Jones is Executive External Strategy and Communications Fellow at The Dow Chemical Company, on the staff of the Dow CTO. He is a frequent speaker at a variety of industry events on industry related topics. He is a long-time supporter of ACS Industry Member Programs providing both written and webinar content, supporting the CTO Summits, and is a former member of Corporation Associates. He currently serves on the Committee on Public Relations and Communications and the Chemical Heritage Landmark Committee. He is chair of the Chemical Sciences Roundtable, a standing roundtable of the National Academies of Sciences, Engineering, and Medicine. Mark is the author of over a dozen U.S. patents and numerous publications.

You have enjoyed a long, successful career at Dow. What are the most critical non-technical skills than enabled your success?

“I don’t know” is a sentence that should be used more. Adding the clause, “but I will sure find out” can be pretty helpful, too. Admitting when I don’t know something, admitting when something is a conjecture and knowing when I can say with rock-solid certainty that something is true, and recognizing the difference, served me well. Being comfortable admitting I don’t know is certainly one of the most important skills, though it falls between technical and non-technical.

The ability to communicate in a creative and interesting way certainly got me into the position I’ve held for most of the last decade. I proved better able than most to synthesize a difficult technical story into an easily understandable story. I remain a pretty quick study, able to grasp meanings quickly, and have the technical depth to understand. What likely differentiates me is the ability to explain what I’ve understood to others. It is certainly an important skill that led to some of the success I’ve had.

Wisdom might be one of the few advantages of advancing age. Recognition that the answer you have is better than the question asked is one piece of wisdom that I do try to pass on. Titrating the amount of effort to reach perfection against good enough is something I’ve gotten better at with experience and is a non-technical skill I recommend cultivating.

How have your parents influenced your leadership style?

I never desire to be in charge, but I do like to lead. I see a big difference between the two. People who are put in charge don’t always enjoy the backing of the folks they are asked to lead. Respect and trust

are important aspects of leadership. Respect is something you earn, not something that is bestowed upon you. Similarly, trust is something you earn, not something that is bestowed upon you.

I've observed my parents, and particularly my dad, and learned about earning respect. It comes from the way you treat people, but it also comes from effort. I learned that getting your hands dirty, being willing to step up, and being willing to work shoulder-to-shoulder with your team to achieve that objective makes people want to follow you. You are the leader because you lead, not because you've been placed in charge.

What do you tell young chemists who ask for advice on whether they should stay on a technical career path or jump to a management track?

Technically skilled people that go into management typically get their first taste of management managing a project rather than managing a group. Managing a project is the most enjoyable job I encountered. It is also the most devastating job I've encountered when the project was killed.

Project management leads some to conclude that they are better than any other candidates at energizing and leading the group. The world is very different today from the one when I joined Dow. Styles of operation ebb and flow, but I don't see the world going back to the world I first encountered. The Dow Scientists, what Fellows were called back then, were partners in management when I joined. Managers were, in many cases, non-technical. The difference between technical and managerial roles was that managers dealt with budgets and human resources. The Scientists carried most of the weight in setting technical directions for the group and for the projects within the group. Today, managers are expected to be technical and still deal with the onerous aspects of budget and human resources. It is a very different job and the decisions more clouded than the ones I first faced.

The concepts of thin and thick markets must enter into the decision. There will always be fewer people managers than people being managed. The thin market for managers leads to the escalator problem. In order for an escalator to work, people must get off. Companies must cultivate managers, and that requires existing managers to get off the managerial escalator. I went back to the technical ladder when it was clear that some of the folks I'd mentored were better managers than I was. I am happiest and most valuable doing technical work. The technical ladder was better for me.

For a long time, both you and your wife worked for Dow in the same location. What are some pros and cons to that arrangement?

Dual careers are challenging whether in the same or different companies. Opportunities will come and they will inevitably be poorly timed for one of the partners. When one partner's career is going swimmingly well, the other may be in the middle of a stressful reorganization. Opportunities were presented, almost always involved moving, and one of us was clearly the trailing spouse. Sometimes it was my wife, Erin; many times it was me. We looked at the whole, maximizing the appeal for both even when it meant passing up a great opportunity for one.

We were very lucky that rebuffed offers did not impact our careers. To be fair, we can't run the counter-factual. Maybe Erin could have been the CEO were it not for me holding her back. All indications are that we both did pretty well. We both advanced and, for most of our careers, were

largely at the same level. She moved to management and, when she retired last year, was at a higher level than me.

On the day-to-day front, I probably liked those years best when she didn't really care about what I was doing. When we worked more closely, it was too easy for work discussions to intrude on our family time. Some distance between work and leisure is optimum. Some of the least appealing times were when we were on different sides of a work issue or when a deliverable I owned impacted her. Separation is good, not in the marital/divorce way, but in the work and the rest of your life way.

Kids, travel, and commitment to the job present balancing challenges. We were fortunate that Dow allowed the flexibility for both of us to say no, and that our work output rather than our participation was what mattered. We were lucky in striking a balance that worked. More importantly, we've largely been happy, have few "what could have been" moments, and don't spend time regretting them.

What's the one area where chemists tend to fall short when communicating their science in the workplace? And what should they do to rectify it?

The biggest mistake is forgetting that communication is about persuasion and influence. Too often the goal of communication is merely to inform, but one needs to inform so that others can synthesize the data into something actionable. It is not a good idea to leave interpretation to chance. Most commonly, the speaker is the expert and they must let their expert opinion shine through.

The penultimate mistake is over-selling. You must maintain your credibility and the trust of others. You must walk the line between getting noticed and over-selling. It is a tough line to walk. Never put your integrity at risk. Stay true to the data and don't become deluded.

How is the Dow culture of today most different from the one you joined 30 years ago?

There are too many things to name! The level of automation today exceeds even the wildest dreams of 30 years ago. Chemists today have tools that I couldn't even imagine 30 years ago.

The expectations are very different. I started in a world where I was free to work in the lab pretty much all the time. Communication was hierarchical and the senior folks came to me to tell me what I needed to know. I was left free to focus on the science.

Today, I think we over-communicate. Everyone gets everything and the curation by the senior staff doesn't happen. I routinely find young folks struggling to find the signal in the noise and less able to do productive work simply because they don't have time to think. Vonnegut fans will know of the Handicapper General. I think the Internet, the company intranet, and WebEx meetings are zapping constructive thoughts at a pace the Handicapper General would envy.

On the subject of culture, Peter Drucker famously said, "Culture eats strategy for breakfast." Do you agree, and if so, what are the implications of this for people in their day-to-day workplace?

I am constantly reminded of Pournelle's Iron Law of Bureaucracy, which certainly related to Drucker's statement. It states that in any bureaucratic organization there will be two kinds of people: Those who work to further the actual goals of the organization, and those who work for the organization itself, and

are more worried about keeping the organization alive. The second type will always win. They will gain control.

Dow is a large company and my next comment is likely limited to larger organizations, as is Pournelle's Law. Success means being true to the strategy and succeeding in spite of the bureaucracy. It means being Pournelle's first kind of employee. There will always be more of the second type of employees and, because they are in control, they make it difficult for the first kind of employees to stay true to the strategy. Figuring out how to get what I wanted done when the system wasn't designed for it is a recurring theme in my career.

What does it mean to 'manage up', and how do you recommend that people do it?

I'm not a good sycophant. The managers I've worked best with were those that liked to be challenged, where insubordination was almost a requirement for employment. That said, you do have to know when it is inappropriate to challenge beliefs or actions. One-on-one was always allowed. At a town hall meeting for the entire R&D community? Never.

One of my early mentors and I never agreed on one point. He said you should come to work every day focused first on how to get yourself ahead, how to get your group ahead, and how to return for the stockholders, in that order. I was then, and remain convinced, that his order was backward.

Every day, I come to work asking first what I can do for my employer, the stockholders, then my internal organization, and last, me. Focus on the good of the stockholder and the organization before focusing on my self-interest served me well. I have been blessed with great bosses and, further, had long runs with several. I don't feel that I've ever managed up and that keeping the right focus alleviates the need to do it.

You are not far from Detroit, the automotive capital of the U.S., and where scientists are feverishly working on self-driving cars. Will children born this year in the U.S. ever learn to drive?

A better question is whether children born today will be employable as chemists. The robotics and AI that would allow self-driving might actually be harder than the automation and algorithms to perform chemical synthesis. I will take the Luddite view on both.

I believe the challenges are too great for driving. For chemistry, I still see it as a creative endeavor. I don't believe we are yet at the point where AI can equal the creativity of a good chemist. I don't believe we are near the point when AI can completely take over all driving tasks. Automation will continue to march into our homes and workplaces, but I think in 16 years, when kids born this year will be of age to drive, I'll still be touching a steering wheel. Most of them will want to learn to drive. Those with the aptitude will still be able to be chemists, too.

Sidney Harris Cartoon

Submitted by Jeff Seeman, Department of Chemistry, University of Richmond

Editor's note: The Division of the History of Chemistry has received an ACS Innovative Grant that will provide 12 free Sidney Harris cartoons to ACS local sections for their use in newsletters or monthly communications or on their website.



Cartoons often have many possible levels of interpretation and extrapolation. As I look at this Sidney Harris cartoon, I see many possibilities. One is as follows: The cartoon shows a department chair (far right) accompanying the university provost (far left) of international fame for his analysis of the humor in Anton Chekhov's short stories, presenting a plaque to a chemistry professor in recognition of her election to the National Academy of Sciences. The citation reads "In recognition of her seminal computational studies on the rheological properties of elastic polymers under stress: Why bubblegum bubbles break." The department chair wonders if he will ever be recognized for the elaborate custom apparatus that he designed to confirm the computational studies.

– Yvonne Connolly Martin, Abbott (retired)

Upcoming Dates, Events, and Other Updates

- September 7 (6:30 – 8:00 PM) – *Of Molecules and Melodies: The Neurochemistry of Music*, Coleman Faith United Methodist Church, Coleman. Free and open to the public. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com.
- September 9 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- September 14 (1:00 – 2:00 PM) – Inventor’s Forum, Herbert D. Doan Midland County History Center, Midland. Free and open to the public. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com.
- September 30 – **Abstract submission deadline** for poster and oral presentations for the 2019 Midland Section ACS Fall Scientific Meeting. Location: Curtis Hall, Saginaw Valley State University. Date and time: Saturday, October 26, 8:00 AM – 5:00 PM. Meeting theme: *Marvelous Metals*. Presentation titles and 300-word abstracts should be sent to acsfallsubmits@gmail.com. For more information or any questions, contact Elizabeth Santos (emsantos@dow.com) or Tom Bekemeier (tom.bekemeier@dow.com).
- October 4 – **Registration deadline** to register a group of students and early career chemists to join thousands of others from around the world to participate in the October 22, 2019 ACS Program-in-a-Box, *Marvelous Metals* event, an online, free, one-night only event. For more information, please see <https://www.acs.org/content/acs/en/acs-webinars/program-in-a-box/pib-on-demand/metals.html>.
- October 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- October 7 – **Registration deadline** to attend the 2019 Midland Section ACS Fall Scientific Meeting. Location: Curtis Hall, Saginaw Valley State University. Date and time: Saturday, October 26, 8:00 AM – 5:00 PM. Meeting theme: *Marvelous Metals*. For more information or any questions, contact Elizabeth Santos (emsantos@dow.com) or Tom Bekemeier (tom.bekemeier@dow.com).
- October 12 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Scavenger Hunt*, Heritage Park History Campus, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- October 19 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, specific topic TBD, *Silly and Special: Warrick’s Putty*, or *It’s a Wrap – The Science of Saran™ and Plastic Films*. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- October 22 (6:45 PM to ????) – ACS Program-in-a-Box, *Marvelous Metals*. To register a group of students and early career chemists for this free, one-night only event, please see <https://www.acs.org/content/acs/en/acs-webinars/program-in-a-box/pib-on-demand/metals.html>. Please note the registration deadline of October 4, 2019.
- October 26 (8:00 AM – 5:00 PM) – 2019 Midland Section ACS Fall Scientific Meeting, Curtis Hall, Saginaw Valley State University. Check-in starting at 7:30 AM. Meeting theme: *Marvelous Metals*. For more information or any questions, contact Elizabeth Santos (emsantos@dow.com) or Tom Bekemeier (tom.bekemeier@dow.com).
- November 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- November 5 (6:00 – 8:00 PM) – 2019 Midland Section ACS Centennial Exhibit program, *Author Sam Kean: Stories about Elements and Chemicals in History (and book signing)*, Herbert D. Doan Midland County History Center, Midland. See flyer in this newsletter. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.

- December 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- December 7 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, specific topic TBD, *Silly and Special: Warrick's Putty*, or *It's a Wrap – The Science of Saran™ and Plastic Films*. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- December 14 or 15 (Save the Date) – 2019 Midland Section ACS Centennial Exhibit program, *Christmas Chemistry and Crafts*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at reginamalczewski@gmail.com or Gretchen Kohl at gretchen.kohl@att.net.
- January 6 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- February 3 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- March 2 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- March 22 – 26, 2020 (Save the Date) – Spring 2020 National ACS Meeting & Exposition, Philadelphia, PA. Meeting theme – *Macromolecular Chemistry: The Second Century*. For more information, and to submit an abstract, please see <https://www.acs.org/content/acs/en/meetings/national-meeting/abstract-submission.html>.
- April 6 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- May 4 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- May 27 – 29, 2020 (Save the Date) – 2020 Central Regional Meeting, Columbus, OH. For more information, please see <https://www.acs.org/content/acs/en/meetings/regional/central.html>.
- June 1 (tentative date) (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.

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