

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Venue Change for December ACS Board Meeting

Jaime Curtis-Fisk, Chair, Midland Section ACS



Our next Board meeting will be held on Monday, December 5, in downtown Midland in the Meeting Room at Pizza Sam's (102 West Main Street), beginning at 7:00 PM. As always, the Board meeting will be open to anyone who would like to attend.

To celebrate a great year and to recognize the commitment and dedication of our local section leaders, we also will be hosting a dinner for all Midland Section ACS board members and committee chairs at Pizza Sam's, preceding the December Board meeting, and beginning at 6:00 PM. Pizza, breadsticks, and salad will be provided to those who responded to the invitation by November 28.

Midland Section Representation at MCCTA

Bob Howell, Director, Midland Section ACS

The 154th meeting of the Michigan College Chemistry Teachers Association was held at Olivet College on November 19, 2016. Among the speakers at this meeting were several from the Midland Section-ACS. Michelle Rivard and Gina Malczewski presented "CERM 2019" in which they outlined plans for the education and outreach components of the upcoming regional meeting. This presentation was well-received and may lead to broad participation in the regional meeting by educators from across the state. Cynthia Peck from

Delta College presented, "Solving the Puzzle of Laboratory Learning for Students with Autism Spectrum Disorders" in which she discussed strategies for dealing with the increasing number of autistic students coming to college. Peter Larkowski, also from Delta College, presented, "My Experiences with a Flipped General Chemistry Classroom". He described the potential advantages of this approach for improving student learning and indicated that the greatest challenge was getting students to accept responsibility for their learning. Alan Zombeck from Delta College presented, "Using the Scientific Method for Student Self-Assessment" in which he described a method for ensuring that students accept responsibility for their learning and acknowledging that the greatest key to success is effort. Bob Howell from Central Michigan University (CMU) presented, "Polymers in the Undergraduate Chemistry Curriculum". He discussed the new ACS-Committee on Professional Training requirement for inclusion of polymeric materials in the undergraduate chemistry curriculum for approved programs and provided several examples of how this has been successfully accomplished in the beginning organic chemistry course at CMU.

Wine, Cheese, and Chocolate Networking with WCC and GLAD, December 8 **Venessa Williams, Women Chemists Committee, Midland Section ACS**



Come enjoy some wine, cheese, and chocolate hosted by the ACS Midland Section's Women Chemists Committee (WCC) and the GLAD Network, at The Gourmet Cupcake Shoppe and Green Gourmet Café.

All friends and family are invited to share in this evening of networking and fun.

- Date: Thursday, December 8, 2016
- Time: 6:30 – 8:00 PM
- Location: The Gourmet Cupcake Shoppe and Green Gourmet Café, 1908 South Saginaw Road, Midland



Feel free to bring your own favorite wine, cheese, or even chocolate, and we will show you what to pair it with. Contact Venessa Williams at vowilliams@dow.com for more information or for any questions. Please see event flyer on page 3.

The Women Chemists Committee (WCC) serves the membership of the American Chemical Society. Our mission is to be leaders in attracting, developing, promoting, and advocating for women in the chemical sciences in order to positively impact society and the profession.

The Gays, Lesbians and Allies at Dow (GLAD) Network aims to foster a safe, inclusive, supportive and open working environment for all employees regardless of sexual orientation, gender identity or gender expression.

Wine, Cheese, Chocolate, and Networking with WCC + GLAD



Come enjoy some Wine, Cheese and Chocolate hosted by the ACS Midland Section's Women Chemists Committee (WCC) and the GLAD Network at Green Gourmet Café.

*Featuring conversations with Senior Leaders from local universities and industry on diversity and inclusion in the workplace.
Also, come see a special wine presentation by Cork 'N' Ale.*



14% discount offered on case purchases

When: Thursday December 8th

Time: 6:30 – 8:00 pm

Location: The Gourmet Cupcake Shoppe and Green Gourmet Café, 1908 S. Saginaw Rd.

Space is limited, please RSVP by visiting: <https://goo.gl/forms/ThYyvN7K3tdD47sr2>

For more information, contact Venessa Williams (vowilliams@dow.com).

Mid-Michigan Technicians Group Presents at Ferris State University

Jeff Seifferly, 2016 MMTG Co-Chair

Jake Remacle (MMTG Secretary) and Jeff Seifferly (MMTG Co-Chair) recently presented to the ACS Student Group, Faculty members, and other guests at Ferris State University (FSU). We approached FSU with our MMTG presentation and they were quite eager to host our visit. We initially met with Teddi Stothers, the Industrial Chemical Technology Program (ICT) student that coordinated our visit, Jeffrey Reardon, the President of the ACS student group, Bill Killian – Professor Physical Sciences Department and Coordinator of the ICT Program, and Dr. Pasquale DiRaddo, Professor of Organic Chemistry and ACS Student Chapter Advisor.

As a graduate of the ICT Program at FSU, Jake described his education, his subsequent employment, additional education level achieved and ultimately his employment at Dow Corning. The audience was very interested in Jake's perception of how well his Ferris education prepared him for employment and what prompted his career choices. He discussed his accomplishments and highlighted areas that required more effort to achieve those accomplishments.

Jeff described his education and work history, followed by a slide show entitled "Celebrating 25 Years of Exceptional and Significant Contributions - A brief history of MMTG". It described how MMTG has focused on promoting personal and career related growth throughout the Technician community by sponsoring networking, skill-building, educational, hands-on activities, and Lunch-and-Learn events. It detailed how current and past members have participated in numerous public outreach events such as Kids in Chemistry, SciFest, ACS Day at the Fair, and many more. It concluded with the numerous honors and awards it and its members have received and the various activities MMTG has sponsored or volunteered its time to, in both the science community and for those interested in ultimately working in a science related field.

A question and answer session concluded the presentation; many of the students were interested in possibly touring Dow Corning PE labs, internships, and other employment opportunities. We then had an opportunity to tour the Industrial Chemistry Technology (ICT) wet and analytical labs, as well as the fermentation lab. We met with Dr. Dan Adsmond, Professor of Organic Chemistry, Dr. David Frank, Physical Sciences Department Head, and Dr. Mark Thomson, Professor of Chemistry, Industrial Chemistry: Fermentation Science Concentration. There was quite a bit of interest (again) in possible student internships, Dow Corning mentoring opportunities, the recent absence of recruitment visits to Ferris and the future Dow Corning employment outlook. We provided contact information to those we met with through the day and even acquired a few new MMTG members!

MMTG Celebrates 25 Years at FSM

Michelle Rivard, MMTG 25 Year Anniversary Committee Chair

The Mid-Michigan Technician Group hosted a Symposium and reception celebrating their 25 year Anniversary at the Fall Scientific Meeting on October 22nd at SVSU. The Symposium featured MMTG members and key supporters who have recognized technicians as important members of the scientific community.

Skip Palenik, President and Founder of Microtrace, kicked off the symposium with a talk on the invaluable role of technicians in Forensic Science. He discussed how being able to apply scientific knowledge to an analysis was just as important as the technical skills that a seasoned technician brings to the table. That as technicians, we need to understand that the technical aspects cannot be separated from the underlying scientific principles. In forensic analyses, the ability to isolate and manipulate minute quantities of samples and the ability to get the most out of an instrument or technique requires understanding and the ability to apply scientific principles beyond the application of standard operating procedures.

Jeff Seifferly, founding member and current co-chair of MMTG gave a brief history of MMTG highlighting the opportunities of technical skills and leadership opportunities that MMTG has brought to their members. These opportunities have included numerous Lunch and Learns, vendor sponsored seminars, tours and networking events. He rounded out the talk drawing attention to all the public outreach and community programs that MMTG members participate in. Members have participated in a vast amount of activities. These activities include committees, programs, and service as officers at both the local and National ACS level. MMTG members have served as mentors, science coaches, chemistry ambassadors and have been and continue to be the backbone of Midland ACS award winning Kids and Chemistry Outreach programs. From Jeff's talk one can infer that volunteerism is a synonym for an MMTG member.

Volunteerism and how it helped shaped Dana Fuerst's career as an R&D technologist at the Dow Chemical Company was the focus of the subsequent talk. Dana's talk, "What Have I Gotten Myself Into?" gave a brief overview of her volunteerism and career. Starting as a student at Delta College's Chemical Technology Program and ending with her current role, as she oversees the HRT Analytical Workflow at Dow Chemical (Midland operations). She drew parallels from the skills she developed while volunteering with MMTG and other organizations to the application of these same skills which enabled her to get that next promotion or job along her career path. So, what had Dana gotten herself into? Well, according to her, she got herself into a cross-company, cross-industry, international professional network along with leadership skills, lifelong friendships, fun, the ability to see life from a different perspective, the skills to plan large scale events, and the knowledge that she is making an impact in her community.

Dr. David Baker, Associate Professor and the Chemical Technology Program Coordinator at Delta College, gave an overview of the challenges and changes the chemical technology program has undergone in the past decade under his leadership. Dr. Baker made his talk interactive by filling his presentation with trivia related either to Delta's Chem. Tech program, MMTG history or science in general. He talked about how coordinating the Chem. Tech program turned into an interesting and convoluted journey with many memorable experiences and amazing people. He also emphasized how the relationship with MMTG has strengthened and been insightful for the Delta's Chem. Tech program.

Diana Deese, an R&D Analytical Technologist with the Dow Chemical Company, gave a heartfelt talk on Change. She talked about how when we are young we can't wait for change, but as we become adults with responsibilities we resist change. Diana used her personal story to give insight into how we can better cope with change – especially when it is not self-induced. She made the audience laugh, cry, and laugh again all in under twenty minutes with her humorous anecdotes of what she did wrong, what she learned, and how it ultimately changed her. Diana wrapped up her talk with a quote, "If there are no ups and downs in your life, it means you are dead."

Dr. Tom Lane, a retired scientist from the Dow Corning Corporation and a key supporter of MMTG over the years, wrapped up the symposium with a humorous and inspiring talk about 5,000 years of failure, learning, and teaching! He walked us through five thousand years of men and women of “Science” as they failed, learned, and taught the next generation. He gave examples of technicians/students who were the mentors of great Scientists. Dr. Lane talked about how we are influenced by our mentors and they, by theirs. He challenged us to believe as his mentors believed in him. He inspired us, by showing his chemist’s tree that traced his mentorship back through the history to include great science heroes such as Perkin, Kipping, Spitzley, Lemery, Glaser, and Vallot. Dr. Lane finished his inspiring tale with his career capstone – receiving the highest level of recognition from the Open University for his contributions to the sciences and education with an honorary doctorate degree that was presented at a special ceremony in the Palais des Congres, Versailles, France in 2011. He says if it wasn’t for his mentors he would never have believed and achieved so much.

MMTG officers participated in the FSM poster session by presenting 3 posters that showcased past Technician winners of the local Technician of the Year Award, Delta College Chem. Tech Student awardees, and highlighted the 14 ChemLuminary Awards MMTG has received over the course of its 25 year history for our local section. The theme of showcasing outstanding technicians continued during the networking reception hosted by MMTG. Each table highlighted 2 to 3 technicians that have won either the local or national ACS Outstanding Technician of the Year award. MMTG would like to thank all that either attended or participated in our celebration of 25 years.



Call for Nominations for 2017 ACS Fellows Program

Diana Deese, Chair, Midland Section ACS Awards Committee

"... a fellow is a member of a group of learned people who work together as peers in the pursuit of mutual knowledge or practice ..." Wikipedia

As Chair of the Midland Section ACS Awards Committee, I would like to make everyone aware of the ACS Fellows Program.

Although the "Fellow" designation has been adopted by many professional societies, the criteria for awarding this designation vary significantly from society to society. The ACS Fellows Program uniquely recognizes a different standard of achievement and service. Specifically, the Fellow of the American Chemical Society (ACSF) designation is awarded to a member who, in some capacity, has made exceptional contributions to the science or profession **and** has provided excellent volunteer service to the ACS community.

The purpose of the ACS Fellows Program, one component of the broader ACS Awards Program, is to recognize and honor members of the American Chemical Society for their outstanding achievements in and contributions to the science and the profession **and** for their equally exemplary service to the Society.

A. Nominees

1. Nominees for ACS Fellows must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be nominees.
3. Former members or deceased members will not be considered as nominees for ACS Fellows. However, if a member dies after his/her name is submitted as a nominee and if that candidate is selected, he/she will be granted the Fellow designation posthumously.
4. Nominees, in past and present circumstances, are expected to employ and require good safety protocols and practices in their laboratories and/or work environments; uphold the highest ethical standards in their laboratories and/or work environments; and otherwise adhere to the Chemical Professional's Code of Conduct. Nominators must address this in the online nomination form.
5. Nomination for other awards, including national, regional, or local ACS awards, does not disqualify a member from being nominated for ACS Fellow.

B. Nominators

1. Primary and secondary nominators must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be primary or secondary nominators.
3. The primary nominator must be eligible to submit as an individual member or on behalf of a Committee, Local Section, or Technical Division. Refer to the Nomination Types section for specific eligibility requirements for primary nominators.
4. No more than one of the nominators (primary or secondary) may be from the same work group at the nominee's primary place of employment. If the nominee is retired, only one nominator (primary or secondary) may be from the nominee's last place of employment prior to retirement.

5. Refer to the Nomination Types section for guidelines about serving as a nominator for more than one nomination.

For more information, see <https://www.acs.org/content/acs/en/funding-and-awards/fellows.html>

The Midland Section of the ACS is allowed two (2) nominations for ACS Fellow per year. If you know of someone who fits the criteria, or if you would like to nominate yourself, and would like to work with me to put together a nomination package, please contact me at dkdeese@dow.com.

As the deadline for National ACS Fellow nomination submissions is around the first of April, I need to have packets completed and sent back to me by February 1, 2017. There will be one thousand and one excuses that will pop up between now and February, ... so let's get started now!

Anderson Development Company Seeking Product Stewardship Manager

Tricia Harju, Director of Human Resources, Anderson Development Company

There is a Product Stewardship opportunity at Anderson Development Company. Essential duties include the following.

- Manage GHS/HAZCOM program. This includes SDS and label authoring and document management. Provide DOT/IATA/IMDG support.
- Manage program to comply with global product safety/chemical control regulations.
- Stay up-to-date on global product stewardship/safety regulations and company business needs. Communicate information to relevant parties including potential impact to the company.

Anderson Development Company is an award-winning, innovative specialty and custom chemical manufacturer. Anderson Development is located in Adrian, MI, within driving range of the Metro Detroit, Ann Arbor, Jackson and Toledo areas. To find out more please visit <http://www.andersondevelopment.com>. Send resume with salary requirements to HR.Adrian@anddev.com.

Scholarship Committee Update

Gina Malczewski, Scholarship Committee, Midland Section ACS

Each spring in March/April ACS scholarship applications administered through the Midland Area Community Foundation are reviewed. This past year, Ray Leenhouts, Gina Malczewski, and Paul Schroll worked on the selection process for scholarships awarded under the auspices of the Midland Section of the ACS. Six students applied in 2016, and the top three applicants were awarded scholarships of \$2,000 each.

We are hoping to increase our pool of applicants for the next cycle. To qualify, a student must major in a chemistry-related field, have graduated from high school in one of our five ACS member counties (Saginaw, Bay, Midland, Gratiot, or Isabella), and be successfully studying at a college or university in Michigan. The number of scholarships and the amounts awarded are based on the fund's financial status each year.

Application opportunities for 2017 scholarships opened on December 1, 2016, and the details can be found at the Midland Area Community Foundation website at <http://www.midlandfoundation.org/>.

Paul Schroll is ending his tenure on the scholarship committee and we sincerely appreciate his excellent leadership over the past three years. Julie Villano, Assistant Principal at H.H. Dow High School, will assume the Scholarship Committee Chair duties beginning with the 2017 scholarship review process.

Planning for 2019 Midland Section Centennial Exhibit, Opportunities for ACS Member Involvement **Wendell L. Dilling, Chair, Midland Section ACS Historical Exhibit Committee**

The Midland Section ACS Centennial Exhibit at the Herbert D. Doan Midland County History Center planned for 2019 is a very special occasion. It only happens once in a hundred years. Several Midland Section members have developed topics or have agreed to develop topics for this upcoming seven-month exhibit. Several other topics suggested by the planning committee need the help of additional members to develop them for the exhibit.

ACS members (present and past) who have or will develop topics and their topics are as follows:

- Bob Kohrman – Formation of the Midland Section and the early years, 1919-1922. Herbert H. Dow and the Midland Section, 1898-1930. William J. Hale, the founding of the Midland Section, and Edgar C. Britton, 1876-1952. Lists of Section Chairs, Chair-Elects, Secretaries, Treasurers, Councilors, and Alternate Councilors, 1919-2019.
- Lee Smith, V.A. Stenger, F.K. Voci, and E.L. Warrick – Some aspects of the history of the Midland Section, 1917-1994.
- Stan Klesney – Some aspects of the history of the Midland Section, 1919-1976.
- Wendell Dilling – History of the Fall Scientific Meeting, 1945-2019. Outstanding local section award plaques and trophies, 1973-2019.
- Thomas Lane – Copy of January 7, 1952, issue of *Chem. Eng. News* (Edgar Britton on cover as ACS President).
- Steve Keinath and Vickie Langer – History of *The Midland Chemist*, 1964-2019.
- Gina Malczewski – History of Midland Section Outreach, Students, and Kids and Chemistry programs.

Several other topics are yet to be developed. The Exhibit Committee has identified the following topics that should be included in the exhibit and need the help of additional members to develop them:

- Midland Section members who have served as ACS President or National Directors or been candidates for those offices (partially developed, 1937-2009).
- Central Regional ACS Meetings hosted by the Midland Section (partially developed, 1982-1994).
- Midland Section National Chemistry Week Celebrations (partially developed, 1987-1991).

- Impact of early Midland Section leaders on Midland and the world.
- How Midland Section members made the world better by their inventions and discoveries as documented by their awards and patents.
- Selected Midland Section leader's stories and related artifacts.
- Other selected significant Midland Section events.
- Photos of Midland Section officers, other members, and events.
- Original significant patents by Midland Section members.
- Other personal and Midland Section ACS awards or mementos.
- Notebook or personal journal excerpts about the Midland Section or technologies developed by Midland Section members.
- Other items related to Midland Section history in which you have a special interest.

Extensive archives of the Midland Section ACS are available in the Clarke Historical Library at Central Michigan University and are available for research.

Please contact the author (dilli1wl@cmich.edu or 989-631-1621) with questions, or to volunteer for one or more of these topics.

Support Needed for Science Clinics in Guatemala in 2017

Gina Malczewski, Past-Chair, Midland Section ACS

As follow-up to an ACS grant-based initiative to bring science to a school in Santa Avelina, Guatemala, last January, a small team is headed back early next year. Not only are we focusing on training HELPS-based (preK-6) school teachers to present the most curriculum-relevant experiments, but an additional local school and a neighboring adult institute will send teachers to learn how to bring hands-on learning to the Mayan population in the Ixil Triangle. These indigenous peoples were decimated by the 36-year-long civil war that ended in 1996, and they are very receptive to educational opportunities and agronomy assistance. We are also investigating an opportunity to provide a workshop at Universidad del Valle de Guatemala on the same trip.

HELPS International is a Texas-based non-religious organization with programs that bring medical, educational, and agricultural support to this area in a way that requires commitment by the recipients. HELPS also sponsors teams that build energy-efficient stoves and install water filters in the homes of families that pay based on their abilities.

If you are interested in supporting this effort financially, please send a donation to the **HELPS Science Fund** at the **Midland Area Community Foundation** (76 Ashman Circle, Midland, MI 48640). Any and all contributions are helpful. We will be purchasing science equipment like vials and graduated cylinders, thermometers and stopwatches, while also instructing with locally-available inexpensive items. All funds will go toward supply costs.

I am happy to send pictures and a small summary after the trip to anyone who would like to know more about the results of this effort. And, I am very happy to answer any questions that you may have. Please contact me at reginamalczewski@gmail.com.



In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian, Midland Section ACS

50 Years Ago, *The Midland Chemist* 1966, 3, No. 6 (Dec.), 4.

In *The Professional Chemist, Participation at Scientific Meetings* by L. I. Peterson, P. R. Committee: "Perhaps the biggest dilemma facing the professional chemist today is the problem of keeping abreast of advancements being made in the science or even just in his field of specialization. One weapon available to the chemist to combat "technical obsolescence" is attendance at and participation in scientific meetings. To provide this mechanism for self improvement, the Midland Section cosponsors along with the local chemical companies an annual Fall Scientific Meeting. Attendance figures revealed that 50-55% of the local members were present at this year's meeting. They are to be commended."

40 Years Ago, *The Midland Chemist* 1976, 13, No. 9, 17.

In *American Chemistry Before 1876* by Donald R. Peterson: "The coincidental celebration in 1976 of the Centennial of the American Chemical Society and the Bicentennial of our country suggests the obvious question, what of chemical interest happened in America between 1776 and 1876?"

There was no real chemical industry in pre-Revolutionary days, but war and the British naval blockade brought an immediate need for black powder and its important component saltpeter (potassium nitrate). The Continental Congress established premiums to induce its manufacture, and also established a model saltpeter factory in Philadelphia. Several other factories were built in Pennsylvania and Massachusetts, and by the time of the British capitulation, the new country was self sufficient in gunpowder manufacture. The American chemical industry was born."

30 Years Ago, *The Midland Chemist* **1986**, 23, No. 8, 4.

In *Pruitt Gets National ACS Award*: "Malcolm E. Pruitt has been named as the 1986 recipient of the Earle B. Barnes Award for Leadership in Chemical Research Management, a national ACS award.

When Pruitt retired from Dow Chemical Co. in 1980, Dow in recognition of his leadership qualities, management skills, and many contributions in research and development renamed its central research complex in Midland, the M.E. Pruitt Research Center. This honor marked the end of a 38-year career at Dow during which time he went from research chemist, and later director of research and development, in the Texas division to director of R&D for Dow Chemical U.S.A., in 1971, to vice president of Dow Chemical Co. in 1975 and director of R&D in 1978. The 16 patents held by Pruitt are testimony to his valuable contributions."

20 Years Ago, *The Midland Chemist* **1996**, 33, No. 9, 3.

In *From the Chair* by Thomas Lane, Chairman, Midland Section (graphic by THL..... still no photograph): "... I wish that I could claim some of the credit for this outstanding year, but all of the credit belongs to you, the membership. Without your interest, commitment, and perspiration we would not have been able to achieve the lofty goals which we have obtained. I hope that you will show the same degree of loyalty and commitment to our new Chair, Prof. Joan Sabourin. Joan has a challenging year ahead, with the Central Regional Meeting, Dow's 100th Anniversary Celebration, and the other events that the Section manages during the course of a year."

10 Years Ago, *The Midland Chemist* **2006**, 43, No. 6, 11.

In *Midland Section Participates in Educator's Open House* by Dee Strand: "Our ACS Section participated in the Educator's Open House at the Midland Center for the Arts on September 28. The purpose of the event was to expose teachers and homeschoolers to all of the educational opportunities and resources available to them in the tri-county area. The event was sponsored by the Alden B. Dow Museum of Science & Art, and was free to the public. John Blizzard and Dee Strand presented a poster highlighting educational outreach activities available through our Section. They spoke with many area teachers and parents, emphasizing our Science Literacy program and other resources. ..."

Upcoming Dates, Events, and Other Updates

- December 1 – Application opportunities open for 2017 Midland Section ACS scholarships. Details can be found at the Midland Area Community Foundation website at <http://www.midlandfoundation.org/>.
- December 5 (6:00 – 7:00 PM) – Thank you dinner (preceding the ACS Board meeting) for Midland Section ACS board members and committee chairs, Pizza Sam's, 102 West Main Street, Midland. RSVP for meal was requested by November 28.
- December 5 (7:00 – 9:00 PM) – ACS Board meeting, Pizza Sam's, 102 West Main Street, Midland (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#. **Please note the change of venue from MCFTA to Pizza Sam's.**
- December 8 (6:30 – 8:00 PM) – *Wine, Cheese, and Chocolate Networking* event with WCC and GLAD, Gourmet Cupcake Shoppe and Green Gourmet Café, 1908 South Saginaw Road, Midland. See event flyer on page 3. For more information or for questions, please contact Vennesa Williams at vwilliams@dow.com.

- December 12 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- January 9 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- January 9 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- February 1 – **Deadline for National ACS Fellow nomination packages to be sent to Diana Deese**, Chair, Midland Section ACS Awards Committee. For more information or any questions, please contact Diana Deese at dkdeese@dow.com.
- February 6 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- February 13 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- March 6 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- March 13 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- April 2-6 – 253rd ACS National Meeting & Exposition, San Francisco, CA. For more information, see <https://www.acs.org/content/acs/en/meetings/spring-2017.html>
- April 10 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- April 10 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, Dow Science Building, Central Michigan University (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- June 7-9 – 2017 Central Regional Meeting (CERM 2017), Detroit, MI. For more information, see <http://acsferm2017.sites.acs.org/>
- August 20-24 – 254th ACS National Meeting & Exposition, Washington, DC. For more information, see http://www.chemistryviews.org/details/event/2351921/254th_ACS_National_Meeting_Exposition.html.

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Volunteer Staff

| | |
|-----------------|---|
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