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Call for Nominations for 2019 Officer and Director Candidates Wendy C. Flory, 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 2019:

- Chair-elect (1-year term)
- Secretary (1-year term)
- Treasurer (1-year term)
- Chair, Nominations and Elections Committee (1-year term)
- Alternate Councilor (2-year term, replacement for an early vacated position)*
- 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 Wendy Flory at <u>wcflory@dow.com</u> or 989-636-5097. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Wendy Flory. You are also encouraged to visit our website at <u>www.midlandacs.org</u>.

Midland Section ACS Holds Centennial Preview and Fundraiser Event Steve Keinath, Co-Editor, The Midland Chemist, and Gretchen Kohl, 100th Anniversary Committee

Editor's note: This article is adapted from a similarly titled article that appeared in the July 21-22, 2018 (Weekend) issue of the *Midland Daily News*. The *Midland Daily News* article was prepared by Kate Carlson (kcarlson@mdn.net) and was based on an interview that she conducted with Angelo Cassar, a member of the Midland Section ACS Centennial Committee.



The Midland Section of the American Chemical Society hosted a "Night at the Museum" fundraiser event for the group's centennial celebration next year. The event took place from 5:00 to 9:00 PM on Saturday, July 28 at the Herbert D. Doan History Center. Attendees received an early look at the concept for the chemical society's museum exhibit that will be unveiled from May to December 2019, also at the history center.

A virtual tour of the exhibit gave attendees an idea of what to expect for next year. The 800 square foot interactive STEM focused museum exhibit will be hands-on, highlighting the 100 years of history

behind the Midland Section of the ACS, which was founded by Herbert H. Dow in 1919. Founded in 1876, the ACS is the world's largest scientific society; the Midland Section of the ACS encompasses five counties – Midland, Bay, Saginaw, Isabella, and Gratiot.

The July 28 Night at the Museum event was open to the public, with tickets available for purchase in advance for \$10 per person for ACS members and \$15 for nonmembers online at <u>www.midlandacs.org</u> using the Sign-Up Genius link there. Tickets could also be purchased at the door for \$20 a person the evening of the event.

A silent auction featured donations from area businesses and artwork. The reception with food provided as a generous donation from Midland's The H Hotel (Dolce Hotels and Resorts), Old City Hall in Bay City, and Northwood University's NADA Center was enjoyed by all, and Grape Beginnings wine was served.

"The main thing we tried to do was offer fun items and make the community aware of this special 100-year anniversary coming up next year," said Angelo Cassar, an ACS member who also serves on the centennial anniversary committee. "We're also honoring Herbert H. Dow, and our city, too."



The July 28 reception allowed ACS members and non-members to have rare access to the historical museum after hours. Time was set aside during the four-hour reception to honor those organizations and foundations that have already contributed to the exhibit to date, to the tunes of acoustic guitar music playing in the background.

A live auction was also part of the evening's event. Live auction items included photo prints on aluminum by Thomas Lane, a woodcraft bowl by Dale Meier, a framed periodic table signed by the late Frank Hyde, a certificate for a four-hour ride-along with the



Midland City Police, a birthday party package from Engineering for Kids, a Tri-City Brewing Company tour, and a massage package among a number of other items and services that were auctioned off that evening.



Please watch for additional fundraising events for the 2019 Centennial Exhibit coming along in future months. Thank you.

Photos courtesy of Gretchen Kohl and Gina Malczewski

The Midland Section greatly appreciates the support of our donors for the museum project, the Herbert H. and Grace A. Dow Foundation, the Rollin M. Gerstacker Foundation, and the Charles J. Strostacker Foundation, and the in-kind donation of part of the cost for having the Herbert D. Doan History Center and museum venue for the evening.

We also thank Brad DeRoche, a teacher at CMU and Delta and renowned performer, as the evening's guitarist, and Jeff Seiferly for doing a phenomenal job as Emcee and Auctioneer.



Historical Exhibit Update – Countdown to 2019! Gina Malczewski, 100th Anniversary Committee, Midland Section ACS

Focus on Superabsorbent Polymer

What do Pampers and artificial movie snow have in common? Superabsorbent polymer (SAP)! The use of this family of products in diapers came from an invention at Dow (Lake Jackson) in 1966 by Robert Niles Bashaw, Billy Gene Harper, and Bobby Leroy Atkins. Fred Buchholz, a Midland ACS member, further investigated and modified the polymer; his research earned him multiple patents. Fred also wrote (with A. T. Graham) a well-known treatise on the material: <u>Modern Superabsorbent Polymer Technology (</u>1998, Wiley VCH).

Superabsorbent polymer will be one of the materials highlighted in the ACS centennial exhibit, planned for May to December next year at the Herbert D. Doan History Center. Fred still lives in Midland; his experience exemplifies the nature of work done by industrial chemists. He worked closely with a customer to minimize costs and maximize product efficacy, and even spent some time trying to make the polymer biodegradable. Fred says, "Being a chemist is what I wanted to do from I don't know when. I don't remember what drove me to get a chemistry kit, but my parents told me to talk to a young chemical engineer at our church. He said if you like to work in a lab, that's chemistry...I've never regretted getting my chemistry degree." Fred still consults on superabsorbents.

Four technologies patented by Midland ACS members will be front-and-center at the ACS exhibit—besides SAP, there will be information and activities related to Silly Putty, Saran[™] wrap, and expanded polystyrene.



Fred Buchholz, Superabsorbent Polymer expert (photo credit: P. Buchholz)

Midland ACS Day at the Fair – Thursday August 16th Jeanette Young, Midland Section ACS

The Midland County Fair is coming up quick and the Midland ACS is hosting "Midland ACS Day at the Fair" on Thursday August 16th from 4:30-7:30 PM! We will be doing science demonstrations for the kids and offering free food for all attendees! Food offered includes hotdogs, popcorn, cotton candy, chips, and soda!

All discounted all-day ride tickets (good for any day that the rides are open) must be purchased by 12 PM on Thursday August 9th.

Hope to see you there!



Campers Invited to Partake in a "STEM Stew"! Gina Malczewski, Outreach Committee, Midland Section ACS

Midland ACS Outreach is partnering with several other local scientific professional societies and Michigan State University to offer "STEM Stew" — a new camp offered at the MSU-STEM building in Midland August 21-24. As a primary sponsor, Michigan State is targeting underserved communities outside Midland, but if openings are still available by August 6 (right now there are 10), registration will be opened to Midland as well. Campers must be entering Grade 7 through 9. Presenters include ACS, SWE (Society of Women Engineers), NoBCChE (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers), and SPE (Society of Plastics Engineers).

The camp will be a very special opportunity for hands-on experiences that involve polymer chemistry, marshmallow catapults, water purification, food science, and 3-D printing. The last day, campers will go by bus to the Lansing campus of Michigan State University to visit the Planetarium and Natural History Museum. Registration is only \$40; scholarships and transportation are available.

Please contact Gina Malczewski for further information (reginamalczewski@gmail.com)



- Where: MSU STEM Building, 1910 W. St. Andrews, Midland LIMIT 25 students
- When: Tues Aug 21-Fri Aug 24, 2018 8:30am-4:30pm
- Who: Saginaw/Bay Students entering Grades 7-9 in Fall, 2018
- Cost: \$40/student; some scholarships may be available
- · Transportation provided at designated points
- Brown bag lunches; snacks provided
- What will you be doing?
 - Hands-on experiments In Chemistry (American Chemical Society)
 - Engineering activities provided by the Society for Women Engineers, Society for Plastics Engineers and the American Institute of Chemical Engineers
 - 3-D Printing
 - Final Day Field trip to visit two sites in Lansing: MSU Natural History Museum and Abrams Planetarium.

MORE INFO: reginamalczewski@gmail.com

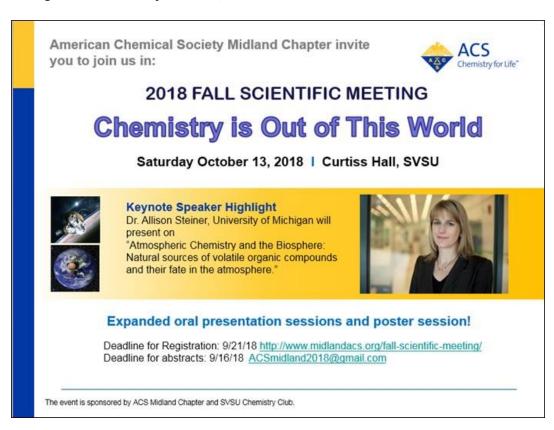






Call for Abstracts for 2018 Fall Scientific Meeting

Eve Suthiwangcharoen and Jennifer Larimer, 2018 FSM Committee Co-Chairs, Midland Section ACS



Additional Featured Speakers:

- Dr. Ted Bergin University of Michigan, Astronomy
- Dr. Margaret Wooldridge University of Michigan, Aerospace Engineering
- Dr. Marcos Dantus Michigan State University, Chemistry Department
- Chris Windiate Dow Chemical, TS&D Transportation

Deadline for Abstracts: September 16, 2018

- Please submit an abstract to <u>ACSmidland2018@gmail.com</u> for both poster & oral presentations
- Please use the attached template (see below) to format your abstract
- 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 conference theme is not a requirement!

Deadline for Registration: September 21, 2018 (http://www.midlandacs.org/fall-scientific-meeting/)

Event Cost: FREE for all attendees!! The only cost associated with the conference is a \$10 charge to cover lunch (if you plan to have lunch at SVSU). The first 100 students who register for the event will get a free lunch!

Questions: If you have additional questions, please contact us at <u>ACSmidland2018@gmail.com</u>.

ACS Fall Scientific Meeting Abstract Submission Template

Abstract Title:

Presentation Type (Oral/Poster):

Presenter Name(s):

Presenter Organization/Department:

Abstract (300 words maximum):

Please complete the form and email to: <u>ACSmidland2018@gmail.com</u>

50th ACS Central Regional Meeting – Save the Date, June 4-8, 2019 2019 ACS CERM Steering Committee, Midland Section ACS



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

50 Years Ago, The Midland Chemist 1968, 5, No. 3 (September), 2.

In *The Chemist on the Inflation Treadmill* by J. E. Dunbar, Editor: "The fact that fewer young people are choosing careers in science and engineering has been duly recognized by various articles and letters in *C* & *E News*. Many writers propose treating the symptoms by setting up programs to inspire or otherwise to persuade young people to consider careers in chemistry and chemical engineering. Little attention has been paid, save perhaps by the California Section, to the treatment of the causes: namely, the relatively low financial compensation of chemists."

40 Years Ago, The Midland Chemist 1978, 15, No. 7, 80.

In *Annual Joint ACS/AIChE Meeting*: "The combination mixer/meeting will be held in the Oyster Cove Conference Rooms, Midland, on October 4, 1978. The guest speaker will be Robert W. Lundeen of the Dow Chemical Company. His talk, "Management Challenges In A Foreign Environment", will begin at 8 p.m. The cash bar will open at 7 p.m."

30 Years Ago, *The Midland Chemist* **1988**, *25*, No. 6, 4.

In *Authors' Night Makes Complete Cycle of Midland Section Academic Institutions* by Wendell L. Dilling: "This year's Authors' Night Program on September 19 will complete the first cycle of the program being hosted by each of the institutes, colleges, and universities in the Midland Section that have chemistry programs. The Authors' Night Program was initiated in 1984 for the purposes of recognizing Midland Section members who published scientific books or articles, or who obtained patents during the preceding year, and of increasing interaction among members by publicizing their areas of research or work (*The Midland Chemist 1984, 21*, No. 3, 5-6). The program was patterned after a similar one that had been started by the Rochester, NY, Section a year or so earlier."

20 Years Ago, *The Midland Chemist* **1998**, *35*, No. 5, 8.

In *Tech Talk – News from the MMTG* by Wendy Mallery (Chair): "Fall Scientific symposium – MMTG will also have a symposium at the Fall Scientific Meeting on October 31st.

The following presentations are planned:

Recruiting and Retention in Chemical Technology Programs – John Singer, Alpena Community College Industry/Education Interface: Educating a Workforce Takes Everyone – Joan Sabourin, Delta College Interview Process and Employer Expectations of The Dow Chemical Company – Kurt Bell, The Dow Chemical Company

Professionalism in the Workplace – Connie Murphy, The Dow Chemical Company Technicians Holding a Bachelor of Science Degree – Is it B.S.? - Tina Leaym, Dow Corning Corporation"

10 Years Ago, The Midland Chemist 2008, 45, No. 4, 10.

In Dow Family Experiences a Memorable Reunion by Angelo Cassar: "Note: The Dow Family Reunion was held at the Dow 1790 Building on June 27, 2008, with a little over 100 family members present. The Midland Section was asked to conduct science demonstrations for the reunion. ACS folks involved in planning and conducted the Section contribution included John Blizzard, Dave Stickles, Angelo Cassar, Gretchen Kohl, Wendy Flory, and Dorie Yontz. Below is a thank you letter from Smallwood Holoman, Dow Public Affairs.

Thank you for your participation in the 2008 Dow Family Reunion visit here at Michigan Operations last Friday. While the Family has not visited us for some time (I believe some 5 to 7 years ago), some remember their time with us a not being "very exciting"! They toured several manufacturing plants, and then called it a day.

Well, the family coordinator, Sarah Whiting, and several other family descendents, commented that this event "exceeded all expectations" and that our total package of information and entertainment was by far the best presentation of Dow that they had experienced! The Business and Market Facing exhibits were informative. The Midland Section of the American Chemical Society's science demonstrations were a huge hit to the young munchkins and young at heart. Way to go, ladies and gents for truly engaging all of our visitors!"

Upcoming Dates, Events, and Other Updates

- August 6 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at <u>Midland Section WebEx Board Meeting August 2018</u>, meeting number/access code: 711 281 322, phone number: 989-633-1166.
- August 9 Deadline to purchase discounted Midland County Fair all-day ride tickets (good for any day that the rides are open). Tickets must be purchased by 12 PM on August 9. See flyer on page 5 for details.
- August 16 (4:30 7:30 PM) Midland ACS Day at the Fair. Science demonstrations for kids and free food for all attendees. Discounted all-day ride tickets (good for any day that the rides are open) must be purchased by 12 PM on August 9. See flyer on page 5 for details.
- August 19 23 256th ACS National Meeting & Exposition, Boston, MA. For more information, see https://global.acs.org/events/256th-acs-national-meeting-exposition/.
- August 21 August 24 (8:30 AM 4:30 PM) "STEM Stew" camp for students entering grades 7 9. MSU STEM building, 1910 W. St. Andrews, Midland. Presenters include ACS, SWE (Society of Women Engineers), NoBCChE (National Organization for the Professional Advancement of Black Chemists and Chemical Engineers), and SPE (Society of Plastics Engineers). See article and flyer on page 6 for full details.
- September 10 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- September 16 Deadline for submission of abstracts for the Midland Section ACS 2018 Fall Scientific Meeting. Please submit a title and 300-word abstract to <u>ACSmidland2018@gmail.com</u>. Please see the flyer and abstract template in this newsletter for more details. For any questions, please contact Luqing Xi at <u>lqi3@dow.com</u>.
- September 21 Deadline for Midland Section ACS 2018 Fall Scientific Meeting attendance preregistration. Please follow the SignUpGenius link at <u>http://www.midlandacs.org</u>. For any questions, please contact Luqing Xi at <u>lqi3@dow.com</u>.
- October 1 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- October 13 (Save the Date) Midland Section ACS 2018 Fall Scientific Meeting, Curtiss Hall, Saginaw Valley State University. Meeting theme: *Chemistry Is Out of this World*. The deadline for submission of abstracts is September 16; please submit a title and 300-word abstract to <u>ACSmidland2018@gmail.com</u>. The deadline for 2018 Fall Scientific Meeting attendance preregistration is September 21; please follow the SignUpGenius link at <u>http://www.midlandacs.org</u>. For any questions, please contact Luqing Xi at <u>lqi3@dow.com</u>.
- November 5 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- December 3 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.

 June 4-8, 2019 (Save the Date) – 50th ACS Central Regional Meeting (2019 CERM), The H Hotel, Midland. Celebrating the 50th Central Regional Meeting of the ACS and the 100th anniversary of the Midland Section of the ACS. Abstract submission will open in December 2018. Please watch for more information at <u>https://acscerm2019.org/</u>.

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, <u>http://www.midlandacs.org</u>.

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