

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Chair Column

Mark Jones, Chair, Midland Section ACS



There is a Plastics Hall of Fame. It is an ethereal Hall of Fame with no physical building or location. It isn't a tourist destination like Cooperstown. It is a collection of stories, stories intended to memorialize the industry traditions and honor outstanding individuals.

Midland is well represented in the Plastics Hall of Fame, with Willard Dow, Bill Goggin, James Hyde, Ray Boyer, Bud Rubens, and Ed Plueddemann all being members. Midland will add one more name in 2020 with the induction of Walt Schrenk. I can't say for sure, but I am pretty sure Midland is recognized more than any other place on a per capita basis. It is a testament to the invention and innovation that happens here.

I knew Walt Schrenk, but certainly didn't know him well. He was nearing the end of his Dow career when I was starting mine. His career was entwined with Turner Alfrey for almost 25 years. Alfey's efforts to understand and perfect polymer extrusion remain important to this day. Walt certainly added to this, most famously through the control of optical properties in coextrusion. Iridescent plastic films resulted from his efforts and creativity, as did the coextruded films that provide barrier properties for packaging. Creativity that took place right here in Midland.

Creativity still happens in Midland and important innovations are being introduced. The Midland ACS Section wants to promote and celebrate the creativity taking place in Midland and the Great Lakes Bay Region. We want to recognize the important innovations that are happening today and show the vibrancy of the chemical enterprise in the area. A new Team Innovation Award will recognize the contributions of local chemists and engineers in commercializing new technology. We want to capture the stories of innovation, shine a light on the creative teams pursuing innovation, and recognize the benefits of technology developed right here. Please check out the awards section of this issue of the *Midland Chemist* and make a submission.

I hope you will also check out the Midland Section's website, www.midlandacs.org. We are attempting a revamp of the website in the hope of serving you better. Efforts are underway to better organize information and to keep an up-to-date calendar of upcoming activities. We envision a future where all information about local Midland Section activities will be easily found on the site.

ACS Cancels Spring National Meeting in Philadelphia

Linda Wang, Chemical & Engineering News

Editor's note: This article is reprinted, in part, from the March 11, 2020 issue of the online publication, *C&EN Weekly News*. Linda Wang's original article was authored and published on March 9, 2020.



The American Chemical Society has canceled its spring 2020 National Meeting & Expo amid growing concerns over the global outbreak of the novel coronavirus SARS-CoV-2. The meeting, which typically draws tens of thousands of attendees from around the world, had been planned for March 22–26 in Philadelphia.

The rapid expansion of COVID-19 around the world and in the US, including in Philadelphia where the governor of Pennsylvania has signed an emergency disaster declaration, resulted in the decision. "Safety is a core value of the American Chemical Society, and as such the health and well-being of our members, the community, and staff are paramount," says Kate Fryer, executive vice president for membership and society services.

ACS will be issuing full refunds of fees to all registrants and is working to provide alternate means for presenters to share their research. Fryer says more details will be communicated directly to the presenters.

The ACS meeting is among the many major scientific conferences that have been canceled or postponed in recent weeks. In addition, many companies and universities are limiting travel by their employees.

This is a developing story, and we will provide updates as we learn more. In the meantime, *C&EN* has made free its [continuing coverage of the coronavirus outbreak](#) to keep the public informed.

Local Company Finalist for Best Place to Work

Mark Jones, Chair, Midland Section ACS

Plastics News' list of the top twenty places to work for 2020 includes Specialty Manufacturing, Inc., of Saginaw. SMI is a woman-owned business specializing in custom-engineered silicone products. The 40-year old company continues to grow and add capabilities, all based on expertise in silicone. SMI's advanced silicone expertise allows production of micromolded medical components, overmolding plastic and metal, LED lighting and more. To learn more about SMI, please go to <https://www.smimfg.com/>.

The Best Places to Work program is administered by Best Companies Group and companies must derive at least 50% of their revenue from plastics-related operations. Profiles of the twenty finalists will appear in the March 30 issue of *Plastics News* with the Best Company winner announced in April. Good luck, SMI. We wish you the best. For more information about *Plastics News'* Best Places to Work program, please see www.plasticsnews.com/news/best-places-work-announced-2020.

Earth Day Birthday – 50 Years!

Gina Malczewski, Outreach / Earth Day, Midland Section ACS

April 22, 2020 is the 50th anniversary of Earth Day. A group that includes Midland ACS Outreach, Midland Volunteers for Recycling, the Arnold Center, and Dow High School's Go Green Club are planning a number of related events that are free and open to the public to commemorate this important event. The centerpiece is the "**Earth Action Expo**" to be held at Dow High School (3901 North Saginaw Road) in Midland on Sunday, April 19, from 11:00 AM to 4:00 PM.

There will be speakers (Peter Sinclair, Meteorologist Ahmad Bajjey, and MSU food waste engineer Dan Kirk are among those expected), a recycling drop-off, an open "Stuff Swap" (drop stuff off and/or pick stuff up, no money involved), art, and eco-friendly activities, as well as hand-on science demos. STEM buses, food trucks, and fix-it stations are also in the works.

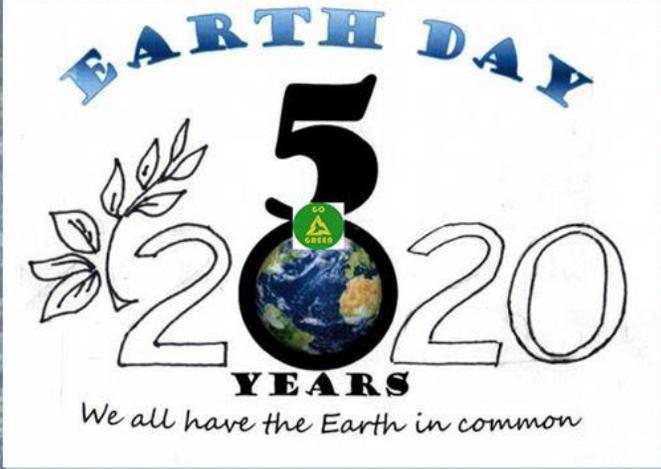
We are also planning speakers or tours at other times over the weeks pre- and post-Earth Day, so please check the Midland Section ACS website (and next month's newsletter) for updates. A tree-planting event and volunteer shifts at Midland Volunteers for Recycling are additional "Earth Action" possibilities. And don't forget the Illustrated Poem Contest for Grades K-12!

We will start **March 3** with a 50-day countdown to Earth Day 50, with suggestions on Facebook empowering kids and adults to **do something** to benefit the planet. We will also need many volunteers for the April 19 event. We can train you to help at a specific station, or you can have more general duties. Look for an Earth Action Expo Sign-up Genius to go live on the Midland Section ACS website homepage. Join up, and join in! Help us celebrate, and live Earth Day every day!

Added note: Midland Public Schools has suspended all community events and activities until further notice due to the concern for extra caution and social distancing during the COVID-19 pandemic. Therefore, the Earth Action Expo scheduled for April 19 is "on hold" at this time. We will notify you of any changes in this situation, or the possibility of alternative activities. We, of course, are disappointed but remain optimistic. The final decision regarding the Earth Action Expo will be made on April 5. ***Please visit our Facebook page for updates***

and for individual "Earth Action" items. Thank you for your interest in Earth Day 50 – and be sure you keep your commitment to our planet!

Join us for the "Earth Action Expo" at Dow High School April 19, 2020 11am – 4 pm



The central graphic features the words "EARTH DAY" in blue, arched letters at the top. Below it is a large black number "50" where the "0" is a globe of the Earth. To the left of the "50" is a leafy branch. To the right is another "0" with a "GO GREEN" logo. Below the "50" is the word "YEARS" in black. At the bottom, the phrase "We all have the Earth in common" is written in a cursive font.

Join us on the ACS facebook page for **COUNTDOWN TO EARTH DAY**

50 Calls to Action, starting March 3



Logos for ACS (Chemistry for Life), Midland Center for the Arts, and Midland Recyclers (GO GREEN).

Hands-on science, speakers, recycling drop-off, food trucks, art projects, eco-activities + MORE; see www.midlandacs.org for schedule

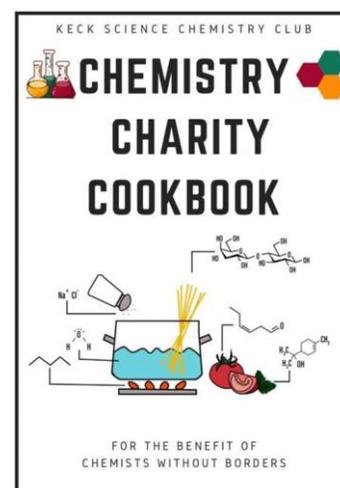
Chemistry Cookbook to Benefit Chemists Without Borders

Ronda L. Grosse, Director, Chemists Without Borders

We are pleased to announce that a chemistry themed cookbook is now available! This cookbook was put together by students and faculty at the W.M. Keck Science Department, which is a shared resource of the Claremont Colleges in California.

The book includes a range of gluten free, vegan, and kid-friendly recipes that are laid out in experiment format similar to a laboratory notebook. Over 40 delicious recipes that are sentimental to chemistry community members are included.

The price is \$40, and 100% of the profits are donated to Chemists Without Borders. Please go to <https://www.chemistswithoutborders.org/News/chemistry-cookbook.php> to view an example recipe, or [click here](#) to buy a copy. A PDF version is also available for \$15.



Analytical Chemistry of Michigan's Hemp & Marijuana Industry
Dale LeCaptain, Councilor, Midland Section ACS



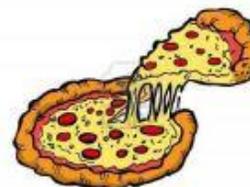
ACS Local Section
Midland YCC, WCC, &
CMU Student Members

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

2020 Spring Awards Nominations and Banquet Reservations

Diana Deese, Awards Committee Chair, Midland Section ACS

I am hoping that everyone who contacted me will be able to get their nominations in for the 2020 Teaching, Volunteer, Education, and Chemical Sciences Awards by the April 7 deadline.

Nominations were invited for the following areas:

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

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form e-mailed to the department contact. One selection per school, please; no supporting letters are needed. The deadline for submission is April 7, 2020.

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

Team Innovation Award (New Award in 2020)

The Midland Section of the American Chemical Society will grant up to three awards per year recognizing teams responsible for successful product or process innovation taking place in the Midland area. The Team Innovation Award recognizes teams responsible for a commercialized innovation of either new products or a new process in the current or previous two calendar years. Innovations brought to market after January 1, 2018 are eligible for this year's award. ACS membership is not required. Awards will be judged on inventiveness, impact, and connection to the Great Lakes Bay Region. Clear documentation of the commercialization is required. Support letters from company leadership will be accepted as documentation. Awards will be considered for two categories: organizations with less than 300 employees and organizations with over 300 employees. Application forms and additional details can be obtained from dkdeese@dow.com.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored at the 2020 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, May 6, 2020, featuring guest speaker, Wayde Konze, Ph.D., Senior Research Director at Dow, presenting a talk on the "The Value of STEM Education for Everyday Life."

(Electronic submissions are acceptable and preferred.)

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

For a list of ACS National Awards and local award recipients from prior years, see the January issue of the *Midland Chemist*. As always, contact me if you have any questions! I hope to see everyone on May 6!

ACS Spring Awards Recognition Dinner – RSVP Deadline, April 30
Diana Deese, Awards Committee Chair, Midland Section ACS

ACS Recognition Dinner

Wednesday, May 6, 2020, 5:30 p.m. to 9:00 p.m.

Great Hall Banquet & Convention Center at Valley Plaza Resort
5121 Bay City Road, Midland, Michigan

Program:

5:30 p.m. Cash Bar and Social Time

6:00 p.m. Dinner

7:00 p.m. Awards Presentations

Educators, students, ACS members, industry colleagues, and 50-, 60-, 70-year ACS members/retirees will be recognized for their outstanding achievements at this 29th annual event. Our special guest speaker will be **Wayde Konze**, PhD, Senior Research Director at Dow, presenting a talk on “The Value of STEM Education for Everyday Life.”

Mark your calendar and join us in support of our award recipients, to connect with colleagues, or just to mingle with a diverse group of people passionate about science! The cost of the dinner is \$20.00 per person and includes a plated chicken dinner, dessert, and beverage. A pre-dinner cash bar will be available. Your dinner reservation request must be received by April 30, 2020.



Payment options will be via the ACS Midland Section website www.midlandacs.org and using the SignUpGenius button to RSVP and conveniently pay ahead of time, at the door, or by mail using the address indicated below. Dress is business casual. This event is sponsored by the Midland Section of the American Chemical Society. For further information, contact Diana Deese at (989) 636-9915.

To reserve your spot by mail, return this form with payment (\$20.00/person) by **April 30, 2020**, to Diana Deese, The Dow Chemical Company, 1897 Building, E-bay East: E65, Midland, MI 48667, or RSVP via e-mail to dkdeese@dow.com. If paying at the door, you must still RSVP to Diana by April 30.

Name(s): _____

Affiliation: _____

Address: _____

Phone/E-mail: _____

ACS member? Yes / No (indicate by circling your member status)

Dietary Considerations: _____

Enclose payment of \$20.00 per person. Checks should be made payable to “Midland Section ACS”

H2O Q 2019 CERM STEM Citizen Science Experiment Expands to CERM 2020

Dale LeCaptain, Councilor, Midland Section ACS

H2O Q, the middle school citizen science program that was designed and implemented by the CERM 2019 planning committee, is now a part of CERM 2020! H2O Q co-founder Dale LeCaptain, along with Dow and CMU volunteers, traveled to Columbus, OH to share project expertise and supplies via a full-day workshop explaining H2O Q and best practices for utilizing it in the classroom. The hands-on workshop also partnered local professionals and teachers to experience H2O Q while developing a network for outreach events. Approximately 30 CERM 2020 leaders, local educators, university faculty, grad students, and Columbus local section ACS volunteers participated in the event held on the campus of Ohio State University.



CMU ACS Student Alicyn Stothard works with Muskingum University Professor Seth Barrett (photo at left) and local science teachers during H2O Q lab time.

A Columbus area science teacher partners with local ACS volunteers (photo at right) using the H2O Q water chemistry tests to solve the workshop activity where their workshop sample was collected.



Photo on previous page: ACS Midland section volunteers (Dale LeCaptain, Lauren McCullough, Michelle Rivard, and Gabrielle Likavec) and CMU volunteers (Alicyn Stothard and Drew Vassilakos) pose with CERM 2020 leaders (James Wasil and Jeff Trent) and Muskingum University faculty H2O Q CERM 2020 leaders (Seth Barnett and Lois Zook-Gerdau) at the end of a day-long training session for six Columbus area teachers and 13 local professional volunteers.

H2O Q was conceived and funded locally for the 2019 CERM meeting as a regional experiment to be passed on to the next regional meeting (CERM 2020). The highly successful transfer of an innovative STEM outreach project to the next section will help this citizen scientist experience continue to grow throughout the entire central region. Our local efforts to engage students in environmentally based chemistry will continue locally this spring with events in Midland and Isabella Counties. Contact H2O Q at h2oqchemistry@cmich.edu if you want to get involved!

H2O Q is grateful for the continued support of our funders: ACS National IPG, ACS Midland Section, Central Michigan University, Dow Foundation, Hannah Instruments, NECi Superior Enzymes, and Michigan Geographic Alliance. Thank you.

Midland's American Chemical Society Completes Celebration of 100th Anniversary

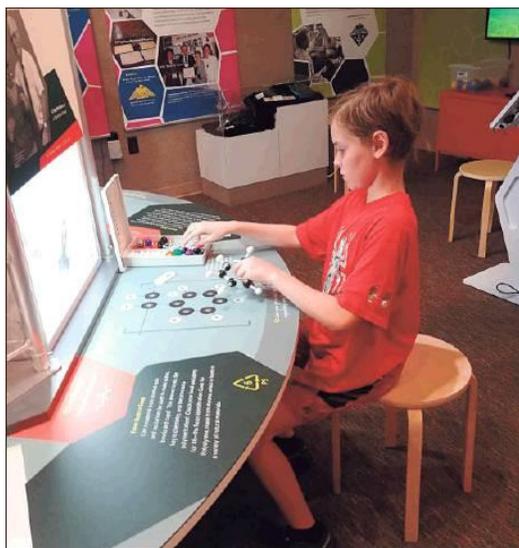
Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: This article is reprinted, in part, from the Saturday-Sunday (Weekend), February 22-23, 2020 issue of the *Midland Daily News*. This article may become the last summary article to be published by the *Midland Daily News* on the topic of the Midland Section ACS 100th anniversary, which was celebrated throughout the year in 2019.

William Hale, H.H. Dow's son-in-law, wanted to talk chemistry, and had an idea. "I reasoned that if we could get our chemists assembled from time to time to hear an outside speaker, we might stir up keener interest in life and encourage argumentative discourse," he had said. "Within a few months, we had organized a group of some 20 or more chemists into what was called the Midland Section of the American Chemical Society."

The Midland Section of the American Chemical Society was founded in 1919, and has just finished its centennial year, a focal point of which was the seven-month run of a history exhibit that ended in December.

How do a bunch of chemists develop an impactful history exhibit that appeals to the public? The story began with the creation of a Midland ACS ad hoc Centennial Committee in 2016. Representatives from the Midland Center for the Arts and the Midland Historical Society were involved, and Dr. Gina Malczewski became chair. Designer John Metcalf, of Good Design LLC, was brought on board to provide guidance on exhibit production. Funding was provided by local benefactors that included the Herbert H. and Grace A. Dow Foundation, the Rollin M. Gerstacker Foundation, the Charles J. Strosacker Foundation, and the Doan Family Foundation.



The latter helped in a special way, by supporting the assistance from the Central Michigan University Museum Studies program, led by Dr. Jay Martin, whose students assisted with content development, helped install and disassemble, served as weekend docents, maintained the website, and facilitated publicity.

“I embraced the project as an ideal way to inspire our CMU Museum Studies students by participating in a unique collaborative project,” Martin said. “An added benefit was building a new strategic partnership that involved community engagement and work with STEM professionals.”

The exhibit was composed of six sections that, among other things, addressed the history of the section, which is intertwined with that of Midland, Dow Chemical, and H.H. Dow himself. The city of Midland and surrounding area became what it is today due to the successful chemical enterprise located here.

In addition, the communications vital to chemistry (patents and publications), and the ACS role in education (outreach, chemistry at local colleges, and teacher workshops) were featured. Some of the many philanthropic and scientific giants who were ACS members were celebrated, too. A section called “Unintended Consequences” addressed some of the positive and negative impacts of local chemistry, the practice of which, like other human pursuits, is a learning process. At the center of the exhibit was a six-sided tower that featured four globally-known products that were invented and patented by Midland ACS members: silly putty (Earl Warrick), SaranTM (Ralph Wiley and Wilbur Stephenson), Styrofoam (O. Ray McIntire), and diaper polymer (Fred Buchholz).

Midland ACS was, and is, all about communication, both among the scientists themselves, and with the public. When Dow first arrived in Midland, the lumbering industry was dying, and there were few amenities. Phones and electricity were not ubiquitous, and travel to Midland was not easy. Without easy access to the outside world, sharing information to advance the study of chemistry required a lot of reading and fruitful personal discussion. Midland ACS hosted many prestigious scientists and some Nobel Prize winners at its meetings. Far from being just “down to business,” these sometimes featured musical performances, skits, and films.

Communication between Midland ACS and the public has been occurring with increasing frequency, in the form of many events and visits each year. The group has celebrated National Chemistry Week (NCW) and Earth Day for more than 20 years with public programs, and more recently, with Illustrated Poem Contests for children. Many Great Lakes Bay students have seen ACS volunteers in their classrooms, offering hands-on curriculum-related science experiences. Families also enjoy interactive chemistry at Kids Day at the Midland Mall and River Days. Teacher workshops offering continuing professional education credits for educators have also been offered by Midland ACS locally and across the country.

Local ACS members have also broken barriers. Sylvia Stoesser was the first female chemist at Dow. Lin Dorman was an outstanding African-American chemist and inventor who won the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers’ prestigious Percy C. Julian Award in 1992. Midland is the home of two national ACS presidents (E.C. Britton and Thomas H. Lane) and three Perkin Medal winners (H.H. Dow, E.C. Britton, and James C. Stevens.) Two members of the National Inventors Hall of fame, O. Ray McIntire and J. Franklin Hyde, were also Midland ACS members.

The exhibit was designed to honor these Midlanders and to offer something for everyone. Senior visitors were drawn to mobile tiles in a Periodic Table of select members, which enumerated some of their accomplishments. Children preferred the Tower table where molecular models were available to recreate some of the large “molecules” hanging from the ceiling. “Puzzles for prizes” were also available, as was free

silly putty. A beautiful quilt made from T-shirts worn for Outreach events was also featured, made by former member Marcelle Molzahn.

There were also historic chemistry sets to engage those who may have been inspired by one of those sets in times past, and three videos were available to provide more information about outreach, the breast implant controversy, and even the relevance of chemistry itself.

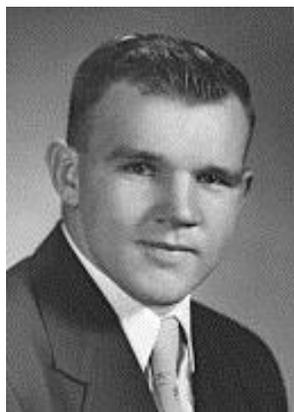
For visitors in search of “special events,” the exhibit offered those, too. Several hands-on programs were offered during its run to acquaint attendees with materials like Saran wrap, learn about “Ho-Ho-Holiday Science,” or have “Fun with Foam.” Sam Kean, the best-selling author of popular chemistry books like *Caesar’s Last Breath*, was at the Doan Midland County History Center on November 5, 2019, to talk about the Periodic Table and sign books. A senior luncheon was held at the exhibit, and on October 27, 2019, National Chemistry Week and Halloween were celebrated together at the Doan History Center with “Marvelous Metals” activities that included a Haunted Mine, alternative trick-or-treating, experiments with batteries, a pumpkin toss, a photo booth, and some friendly tarantulas.

“Midland ACS was very proud of the final exhibit, and is now pleased to be able to offer it to other locations,” stated Dr. Amanda Palumbo, chair of the Midland Section in 2019. “It is an effective and entertaining way to reflect on Midland’s great scientific contributions to the world – from Saran Wrap to Silly Putty. The section is happy to be a part of a community that is so eager to embrace innovation.”

Portions of the exhibit are now available for display at other locations. It is expected to be completely reconstructed at another local site later in 2020 or 2021. You can follow its journeys on our centennial website www.midlandacs.org, or contact Gina Malczewski (reginamalczewski@gmail.com) for further information. Also, please check the Midland Section ACS website (www.midlandacs.org) for all of the new ACS programs coming in 2020.

In Memoriam – James R. Hahn ***Steve Keinath, Co-Editor, The Midland Chemist***

Editor’s note: The obituary notice for Jim Hahn as it appears here is reprinted, in part, from the Monday, February 17, 2020 issue of the *Midland Daily News*. Jim joined the American Chemical Society as a member in 1959, and at the time of his passing he was a 61-year member of the ACS.



James ‘Jim’ Richard Hahn, 87, of Midland, died at Stone Crest Assisted Living facility in Freeland on Friday, February 14, 2020. He was born to Estella (Martin) and the Rev. Charles B. Hahn on October 21, 1932 in Kalamazoo. Being in the ministry, the Hahn family moved frequently when he was young. He lived in Gobles, Martin, Buchanan, Clare, and Alma, graduating from Alma High School. He attended Alma College, where he earned a football scholarship and played offensive guard and defensive tackle for the Scots and was named team MVP for the 1954 season. He graduated with a B.S. in chemistry in 1955.

After graduation Jim was hired by Dow Corning Corporation and worked there for six months before enlisting in the U.S. Army. He completed basic training at Fort Leonard Woods and was assigned to the White Sands Proving Grounds

in Las Cruces, New Mexico and then Fort Richardson near Anchorage, Alaska. He took up rock climbing and spelunking, climbing The Needles and Shiprock in New Mexico. He received an honorable discharge from the Army in 1958, and rejoined Dow Corning in Midland. While serving in the Army, Jim began corresponding with Sally Ann Robbins in Midland, connected by his former Dow Corning boss Ed Plueddemann. They met in person before Jim was transferred to Alaska, and married in 1958.

Jim worked for Dow Corning for 40 years in a variety of research, product development, manufacturing, and quality management roles. His fundamental work on novel silicon containing materials resulted in numerous issued U.S. patents, in many cases with Jim as the sole inventor. This research was the basis for commercial products that are still being manufactured and sold today. Following his official retirement in 1995, he returned to work as a contract researcher for another five years.

Jim was a passionate cyclist, and rode his bike to work between April and November for virtually all his professional career. Following retirement, he was active in advocating for the extension of the existing Pere Marquette Rail Trail from Overlook Park through Auburn to Bay City. He was also passionate about energy efficient building technologies. He loved to garden and for most of his life grew a large vegetable garden. He had a very musical heart, and his whereabouts could usually be determined by listening for his almost constant whistling.

Jim and Sally were active members of the Poseyville United Methodist Church for many years, serving in a variety of capacities before that church transitioned to Aldersgate United Methodist Church in 2018.

He is survived by brothers, Lynn (Donna) of Whitehall and R. Gordon (Marilyn) of St. Louis; sister, Betty (Ray) Mayer of Lady Lakes, Florida; children, Amy (James) West of Bay City, Stephen (Laura) of Midland, and Ruth Franks of Saginaw; grandchildren, Tyler Franks, Dustin Franks, James (Samantha), Emily (Daniel Smith) Hahn, Katherine (Haseeb) Moten, and Melissa (Jake) Swartz; great-grandchildren, Cairo Franks and Camille Swartz; and many nieces and nephews. He was preceded in death by his loving wife of 60 years, Sally Ann (Robbins) in 2018.

The family is grateful to the management and staff of Stone Crest Assisted Living for the ceaseless love and care they showed for him during his last difficult years. We are also deeply appreciative of the Care Team hospice nurses who cared for and comforted our father with grace and dignity in his final days.

The family received guests from 4:00 to 8:00 PM on Thursday, February 20, 2020 at Wilson Miller Funeral Home, 4210 North Saginaw Road, in Midland. Funeral services were conducted at the funeral home at 11:00 AM on Friday, February 21, 2020 with the Rev. Michael T. Sawicki officiating. A lunch followed at Aldersgate United Methodist Church, 2206 Airfield Lane, in Midland. In lieu of flowers, the family requested donations to fund a memorial in Jim's honor at Alma College.

Upcoming Dates, Events, and Other Updates

- March 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 March 2020](#), 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, please see <https://www.acs.org/content/acs/en/meetings/national-meeting.html>. **Please note: This meeting has been canceled, the first time ever that a National ACS meeting has been canceled. Please see the accompanying story about this and the current concern over the COVID-19 pandemic on page 2.**
- 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 7 – **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.
- 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 "on hold" at this time. A final decision regarding the Earth Action Expo will be made on April 5. Watch the Midland Section ACS Facebook page for updates.**
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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