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Midland Section ACS 2019 Centennial Exhibit Is Finally Here! Gina Malczewski and Steve Keinath, 2019 Centennial Committee, Midland Section ACS

The opening of the Midland Section ACS 2019 Centennial Exhibit, *A Century of Science and Service*, is finally here! A preview opening by invitation only for Midland Section ACS leaders, special guests, exhibit donors, and local corporate, community, and university invitees is scheduled for Friday evening, May 10. Then, on Saturday, May 11, the Centennial Exhibit will open to the general public and remain open through the end of December 2019. The exhibit is housed at the Herbert D. Doan Midland County History Center, 3417 West Main Street, Midland.

We intend to have adjunct educational programs each month that the exhibit is open, from May through December. There will be different topics for each of these months, 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 on page 2 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	
May 11	Doan History Center Atrium	Silly and Special: Warrick's Putty	
June 9	Doan History Center Atrium	It's a Wrap! – The Science of Saran and Plastic Films	
July 13	Doan History Center Atrium	Super Soaker: Diaper Polymer	
August 10	Heritage Park History Campus	Scavenger Hunt	
September 14	Doan History Center Atrium	Styrofoam [™] : Chemistry and Art	
October 12	Doan History Center Atrium	Midland Memories: 1919	
November 5	Doan History Center Atrium	Sam Kean: Stories about Elements and Chemicals in History (and book signing)	
December 14	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 <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.

YCC "Year of Beer" Tour Event, May 9

Wendy Flory and Stacey Saba, Younger Chemists Committee, Midland Section ACS

The Younger Chemists Committee (YCC) will be hosting a series of "Year of Beer" tours of local breweries, with a brewing competition as the final event.

The second brewery tour will be held at the Oracle Brewing Company, 122 North Michigan Avenue, Saginaw, MI 48602, on Thursday, May 9, from 6:00 to 8:00 PM.

Each registrant will receive one FREE beer ticket. Sign up at <u>Year of Beer</u>.

Please contact Wendy Flory (<u>WCFlory@dow.com</u>) or Stacey Saba (<u>SASaba@dow.com</u>) for any questions.





Chemists Without Borders Featured at Pittsburgh ACS Symposium, May 18 Ronda Grosse, Chemists Without Borders

Representatives from Chemists Without Borders have been invited to present at a Tripartite Symposium, coorganized by the Spectroscopy Society of Pittsburgh, the Society of Analytical Chemists of Pittsburgh, and the Pittsburgh Section of the American Chemical Society. This meeting will be held on Saturday, May 18, from 8:30 AM - 1:00 PM at Carlow University in Pittsburgh, PA. More information can be found at <u>http://www.ssppgh.org/lectures-symposia/</u>.

Several members of the Midland Section of the ACS section have contributed to these humanitarian chemistry projects. The following topics will be discussed:

Chemists Without Borders: Past, Present and Future *Bego Gerber*

Applying Chemistry to Solve Problems in the Developing World Ronda Grosse,* Rolande Hodel, Marya Lieberman, and Julian Tyson

Studying Abroad in Chemistry: An Opportunity for Undergraduate Chemistry Researchers to Have an International Impact in Chemical Education Bakarr Kanu

Chemists Without Borders Arsenic Project Development: Confronting the Largest Mass Poisoning of a Population in History by Providing Clean Water in Bangladesh Steven Chambreau

For more information about Chemists Without Borders, feel free to contact Ronda Grosse anytime at <u>rondagrosse@chemistswithoutborders.org</u>. Thank you.

Paper Trail: Secrets and Science of an Amazing Material, May 23 Gina Malczewski, Outreach Committee, Midland Section ACS

Please join us for a Midland Section ACS sponsored event, *Paper Trail: Secrets and Science of an Amazing Material*, with guest speaker Professor Steven Keller from the College of Engineering and Computing of Miami University. You can link in from home for the MSU Live Zoom event at https://msu.zoom.us/j/169932528, but it would be even better to attend in person at the MSU St. Andrews site in Midland so as not to miss out on the demos and samples.

Prof. Keller will discuss the quality of paper including its production history, different types of paper and its properties, and the life-cycle of paper. This is a free event, appropriate for middle school age children and up.



Turner J. Alfrey Visiting Professorship Lecture, June 3 Melanie Kaufman, Senior Communications Manager, Michigan State University

MSU St. Andrews in Midland will once again host the Turner J. Alfrey Visiting Professorship Lecture, on Monday, June 3, 2019. The program will run from 9:00 AM – 5:00 PM at MSU St. Andrews, in Midland.



Professor Craig J. Hawker will be our distinguished guest and main lecturer. Two other assistant lecturers from the Craig Hawker research group at UCSB, Morgan Schultz and Neil Dolinski, will also be with us that day.

The <u>Professor Craig Hawker</u> research group is an interdisciplinary group involved in a wide range of fundamental and applied materials chemistry and molecular engineering challenges. Current topics span the development of new polymer synthesis strategies to the fabrication of nanostructured materials for applications in biomaterials and energy research.

Craig J. Hawker is the Director of the California Nanosystems Institute (CNSI), Dow Materials Institute, and Facility Director of the Materials Research Lab at the

University of California, Santa Barbara (UCSB). He holds the Alan and Ruth Heeger Chair in Interdisciplinary Science and is the Clarke Professor within CNSI. Hawker is a member of the Materials Department and the Department of Chemistry and Biochemistry at UCSB and came to UCSB in 2004 after eleven years as a Research Staff Member at the IBM Almaden Research Center in San Jose, CA.

The full day's agenda and lecture topics are as follows:

9:00 AM	Introduction of Speakers
9:15 AM	The Power of Organic Chemistry in Polymer Synthesis
10:15 AM	Design and Monitoring of Photopolymerization and Photoswitches
11:30 AM	Nanostructured Materials via Polymerization-induced Microphase Separation
12:30 PM	Lunch Break
2:30 PM	Architecture and Asymmetry in Block Polymer Self-assembly
3:30 PM	Multi-material 3D-printing through Wavelength-selective Polymerizations

To register to attend this year's Turner J. Alfrey Visiting Professorship Lecture, please go to <u>2019 Turner J.</u> <u>Alfrey Program</u>, and for any questions, please contact Melanie Kauffman at <u>kauffman59@msu.edu</u>.

ACS 2019 Central Regional Meeting Program Description *Shaun Ahn and Dimi Katsoulis, CERM 2019*

Join the American Chemical Society's Midland Local Section as they celebrate their 100th anniversary and the 50th anniversary of our Central Regional Meeting in Midland, Michigan from Monday June 3rd to Saturday June 8th 2019.

Molecules to Materials 2019 ACS CERM will be a premier technical event featuring many notable scientists from throughout the region and beyond. Melanie S. **Sanford**, Craig J. **Hawker**, Tobin J. **Marks**, A.N. **Sreeram**, Joseph M. **DeSimone**, and the National ACS Board of Directors are just a few of the scientific luminaries contributing to the stimulating program designed to engage the whole brain. In recognition of the important

role that chemistry and science play in our world, the technical program will be augmented with several public activities that showcase the value of *Chemistry in Everyday Life*, including Chemistry in the Arts with special guest **Mark Golden**, astronaut **Scott Kelly**, STEM Night at the Dow Diamond Stadium with Los Angeles Dodgers' professional baseball affiliate the **Great Lakes Loons**, chemistry education workshops at the Michigan State University Midland STEM Center, and a wrap-up of the **ACS CERM Regional Experiment**.

The ACS CERM will be hosted in Midland, Michigan from Monday June 3rd to Saturday June 8th 2019 at the modern facilities of <u>The H Hotel</u> and its 8,000 square-foot H.H. Dow Leadership Academy, with special events held at the <u>Midland Center for the Arts</u>, <u>Dow Diamond Stadium</u>, and Michigan State University's Midland STEM Center near the <u>Whiting Forest</u> of Dow Gardens.

Registration is open now. Information about registration, accommodations, and up-to-date program details can be found on the meeting website, <u>acscerm2019.org</u>. Registration includes breakfast, lunch, and coffee breaks throughout the day at The H Hotel's H.H. Dow Leadership Academy.

TECHNICAL PROGRAM Featuring a national-caliber cadre of speakers from across the chemical sciences in an intimate, modern setting that maximizes interactions among participants, the 2019 Central Regional Meeting's *Molecules to Materials* technical symposia offer attendees access to some of the world's leading chemists, materials scientists, engineers, and innovators.

Beginning on Tuesday June 4th through Friday June 7th, each morning will open with plenary talks by speakers **Marks**, **Hawker**, **Sanford**, and **Sreeram**, respectively, followed by a full slate of technical symposia.

Special thematic symposia have been designed to highlight research and development in Adhesion, Surfaces, and Interfaces; Metalloproteins, Model Complexes, and Metals in Medicine; Cosmetic Chemistry: The Science Beyond Beauty; Developing Sustainable Chemistries, including Principles, Tools, Drivers, and Case Studies; Novel Chemistries to Enable High Performance Buildings; Feedstock and Energy Related Catalysis; Chemical Tools for Investigating Biology; The Central Nature of Diversity in Organic Chemistry; Synthesis and Characterization of Advanced Polymeric Materials; Polymer and Colloid Science: Fundamentals and Applications; Process Chemistry and Development; Chemistry and Transportation; Chemical Safety in the Undergraduate Curriculum; Materials for Advanced Separations; and a special event that illustrates achievements from the ACS Central Region Chemical Heritage. In addition, there will be classical symposia in focus areas in organic, bio-organic, inorganic, and analytical chemistries as well as chemical education, and health and environmental safety and regulatory chemistry.

Joseph M. DeSimone will headline the ACS BMGT *Bill Talk*[™] on Friday June 7th to engage attendees in the spirit of entrepreneurism.

The full listing of technical symposia, final program, and daily schedule may be found at <u>acscerm2019.org</u>.

NATIONAL CHEMICAL HERITAGE LANDMARK 2019 ACS CERM programming will conclude on Saturday evening, June 8th, with the National Chemical Heritage Landmark dedication for the advancement of the GC-MS coupling that originated in the Midland, Michigan, Dow Chemical Spectroscopy Labs in 1955. The ceremony will take place in the Dow Lounge of The H Hotel.

EXHIBITION A vendor exposition will be hosted daily to help attendees become familiar with the latest cutting-edge products and services offered by participating organizations. At the time of publication, organizations participating in the 2019 ACS CERM include: Fisher Scientific, Agilent, Bruker Optics, Midland Moose Works, Advion, Macherey-Nagel Inc., Thermo Fisher Scientific, Biotage, Hiden Analytical, and Impact Analytical.

COURSES & WORKSHOPS Educators, from K-16 levels, will be offered a full range of programming at the 2019 ACS CERM. Continuing education credits (SCECHs in the state of MI) will be offered for many of the K-12 programs scheduled. The 2019 ACS CERM would like to welcome teacher candidates.

Programming will be aligned to NGSS standards. Green Chemistry, laboratory safety, STEM teaching and assessment methods will be among the topics covered.

Topics and programming will also center on engaging non-traditional educators, including those who home school and those who teach STEM in informal environments such as museums, libraries, summer camps, or after school programs.

Planned workshops may be viewed in their entirety at the event website, <u>acscerm2019.org</u>. Highlights for educators include Green chemistry/toxicology at the MSU STEM extension; Creating a STEM Elementary School using Project Lead the Way concepts at the Central Park STEM School; Mark Bourgeois's "Virtues and Values in Science Education" at the Chippewa Nature Center, including dinner and a tour; Introduction to 3-D Printing in the Science Curriculum; and Melanie M. Cooper's "Chemistry, Life, the Universe and Everything."

EVENTS Activities to complement the 2019 ACS CERM scientific symposia and programming will start with a welcome reception at the Midland Center for the Arts (MCFTA) on Monday, June 3rd 2019.

The welcome reception will be held in the MCFTA's main gallery where attendees can register for the event and catch up with friends and colleagues while enjoying appetizers, drinks, and locally made ice cream before strolling through the *Chemistry in the Arts* exhibition. *Chemistry in the Arts* celebrates the contributions of chemistry to creativity and will be open to the public as a means to highlight *Chemistry in Everyday Life*. The reception will begin at 5:00 PM and conclude at approximately 8:00 PM. Join Mark Golden, CEO of <u>Golden</u> *Artist Colors Inc.*, at 7:00 PM as he tells the story of the company's thoughtful approach to serving artists and the challenges that Golden Artist Colors has overcome to provide both one of the most widely used professional lines of acrylic paints on the market today and the enthusiasm to customize paint for many famed artists of our time. All reception attendees are welcome to attend with a complimentary ticket through the MCFTA box office. Transportation between The H Hotel and MCFTA is included with registration.

Chemistry in Everyday Life will highlight the role of chemistry and science on discovery, 7:00 PM, Tuesday, June 4th 2019, with a lecture by <u>Captain Scott Kelly</u>, "The Sky is Not the Limit: Lessons from a Year in Space." Tickets may be purchased through the MCFTA's box office for \$25 per person. Captain Kelly will offer transcendent insights that inspire and challenge attendees to dream big, test the status quo, and "choose to do the hard things."

Wednesday evening, June 5th 2019, the American Chemical Society's Central Region will celebrate the contributions of its members at the annual Awards Banquet. Special guests will include award recipients as

well as the American Chemical Society's <u>National Board of Directors</u>. Tickets to this event may be secured during registration for the 2019 ACS CERM.

The ACS CERM's <u>Regional Experiment</u> – a year-long citizen science activity that engaged middle school students in a water quality study of the Central Region – will wrap up on Thursday, June 6th with a tailgate at the Dow Diamond Stadium. All CERM attendees are encouraged to participate in this evening that will include a Career Mentoring Panel as part of the ACS CERM program, a Networking event, including game ticket and dinner for attendees, STEM Night at Dow Diamond with a high school robotics competition, and professional baseball. *Chemistry in Everyday Life* will be on display from 4:00 PM until the game concludes.

LODGING Midland's The H Hotel is the host property for the 2019 ACS CERM. Accommodations at The H Hotel – as well as other properties – are available through the event website, <u>acscerm2019.org</u>, or directly through the hotel. Breakfast and lunch are included with CERM registration and will be served on the premises of The H Hotel. For additional dinner and evening options, participants are encouraged to explore charming downtown Midland's fine restaurants and shops, rail trail, and the landmark Tridge, all within walking distance.

REGISTRATION Registration for the 2019 ACS CERM is now open. Please note that special event tickets for *Chemistry in the Arts,* Captain Scott Kelly, and the STEM Night at Dow Diamond have deadlines in May, about two weeks ahead of the meeting. High participation by attendees and the public is expected. We recommend that you secure your registration and event tickets as soon as possible. On-site registration will continue through June 8th 2019. For details, please visit the event website, <u>acscerm2019.org</u>.

WITH SPECIAL APPRECIATION Event sponsors include the Dow Chemical Company Foundation, the Dow Corning Foundation, DuPont, Trinseo, American Chemical Society Division of Business Development and Management, American Chemical Society of Professional Chemists, the American Chemical Society's Division of Small Chemical Businesses, the American Statistical Association, the Society of Cosmetics Chemists, the Midland Center for the Arts, the Midland Baseball Foundation, and the Midland Section of the American Chemical Society.

KEY CONTACTS

- Dimi Katsoulis CERM 2019 General Co-Chair / MCFTA Liaison
- Matthias Ober CERM 2019 General Co-Chair / Website Development
- Valentina Woodcraft CERM 2019 Steering Committee / Website
- Wendy Sparschu CERM 2019 Steering Committee
- Shaun Ahn CERM 2019 Technical Program Co-Chair
- John Roberts CERM 2019 Technical Program Co-Chair
- Brian Marinik CERM 2019 Finance / MCFTA Liaison
- Doug Beyer CERM 2019 Treasurer
- Gina Malczewski CERM 2019 Chemical Education Co-Chair
- Michelle Rivard CERM 2019 Chemical Education Co-Chair
- Jaime Curtis-Fisk CERM 2019 Regional Chemistry Experiment

- Mindy Keefe CERM 2019 Chemistry & the Arts
- Sam Costanzo CERM 2019 Exposition Co-Chair
- Brett Zimmerman CERM 2019 Exposition Co-Chair
- Lori Keith CERM 2019 Website
- Kurt Brandstadt CERM 2019 Advisor
- Tom Lane CERM 2019 Advisor
- Amy Martin CERM 2019 Chair for Registration

Captain Scott Kelly – The Sky Is Not the Limit: Lessons from a Year in Space, June 4 *Midland Center for the Arts*

See event details at the MCFTA website: MCFTA – Captain Scott Kelly

One of a select group of Americans who embody a defining moment in the nation's history, he captivated the world and seized the imagination of millions during his recordbreaking voyage—proving that the sky is not the limit when it comes to the potential of the human spirit. On his trip, Scott, together with his identical twin brother Mark on Earth, paved the way for the future of space travel and exploration as the subjects of an unprecedented NASA study on how space affects the human body.



With awe-inspiring stories from space and personal reflections on leadership, teamwork and testing limits, Scott inspires others to believe that they can reach any goal, no matter how ambitious or audacious. As he looks back on the expedition that shuttled him into history books, audiences revel in the presence of a true American hero and gather unique takeaways on persistence, resilience and self-determination that transform the way they view their own journey through life.

A book signing will follow the conversation.

Paddle or Pedal Your Way to CERM 2019, June 5 Tami Sivy (SVSU) and Dale LeCaptain (CMU), Midland Section ACS

The SVSU and CMU ACS student members would like to invite everyone to Paddle the Chippewa River or Pedal the Chippewa Trail from the Chippewa Nature Center back to the Tridge in downtown Midland.

This fun event includes:

- Transportation from the H Hotel to the Chippewa Nature Center
- Kayak or Bicycle provided (sign up, or bring your own equipment)
- Dinner at Oscars in downtown Midland

There is a \$5.00 registration fee for the Paddle or Pedal event for any ACS CERM attendee to participate. To sign up, please go to <u>https://www.signupgenius.com/go/70A054BADAA2EA20-paddle</u>.

Departure time from the H Hotel will be 5:30 PM. You will be driven from the H Hotel to the Chippewa Nature Center, and then it's up to you to paddle or pedal back to the Tridge in downtown Midland.

A follow-up dinner for all Paddle or Pedal participates is being arranged at Oscars, in downtown Midland, starting at 7:00 PM. Actually, Paddle or Pedal participation is optional for participating in the dinner at Oscars. If you're not into paddling or pedaling, just feel free to join us for dinner.



The SVSU & CMU Student members invite EVERYONE to: Paddle the Chippewa River OR pedal the Chippewa Trail from Chippewa Nature Center to the Tridge (downtown Midland)

Includes:

- Transportation from the H Hotel to the Chippewa Nature Center.
- Kayak or Bicycle provided (sign up or bring your own equipment)
- Dinner at Oscars (downtown Midland)

\$5 registration Fee for ACS CERM attendees*

https://www.signupgenius.com/go/70A054BADAA2EA20-paddle

- 5:30 pm departure from the H Hotel
- Dinner at Oscars starting at 7 pm**
- * To register for CERM 2019 <u>https://acscerm2019.org/</u>
- ** paddle/pedal participation is optional for dinner Participation



CERM BILL Talk Featuring Dr. Joseph DeSimone – June 7 Luncheon Meeting Matthew Grandbois, Communications Chair, ACS Division on Business Development & Management

I am part of the ACS Division on Business Development & Management (BMGT) executive committee as their communications chair, and I'd like to share an advertisement with the Midland ACS local section's YCC and SCC groups regarding one of the events we are sponsoring at CERM 2019. We will be hosting our Inaugural Regional Meeting BILL Talk on Friday, June 7, from 12:00 to 1:00 PM in the H Hotel where Dr. Joseph DeSimone will be giving a "TED Talk" style presentation on his experiences translating university research to the marketplace.

Registration for the BILL Talk and Luncheon can be found on the CERM registration page under Special Events: BMGT Divisional/Dr. Joseph DeSimone <u>https://acscerm2019.org/meeting-registration/?sc=190410 mtg</u> <u>em regional CERM od</u>. Let me know if you have any questions or requests, Matthew Grandbois, Strategic Market Manager, DuPont Electronics & Imaging, E-mail: <u>matthew.grandbois@dupont.com</u>, Phone: 508-787-4607. Thank you.



Dr. Joseph M. DeSimone CEO and co-founder of Carbon, Inc.

H Hotel, Midland MI Friday, June 7, 2019 12:00 PM – 1:00 PM

Dr. DeSimone will present a TED style talk entitled **Translating university research to the marketplace** providing insights from his remarkable career in academia and as a successful serial entrepreneur. His talk highlights this special luncheon supporting and recognizing excellence in the business of chemistry.







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.



"YOU MAKE MONOPROPYLENES, WE MAKE MONOPROPYLENES, WE MERGE, AND VOILA! POLYPROPYLENES."



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 <u>acsfallsubmits@gmail.com</u>.

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 <u>2019 FSM</u> <u>SignUpGenius</u> page to register. This will also ensure that we have adequate accommodations for all attending. For more information or any questions, contact Elizabeth Santos (<u>EMSantos@dow.com</u>).



In Memoriam – Kevin Paul Battjes Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The obituary notice for Kevin Battjes as it appears here is reprinted, in part, from the Saturday-Sunday, March 30-31 (weekend), 2019 issue of the *Midland Daily News*. He joined the ACS in 1978, and at the time of his passing he was a 41-year member of the ACS.



On Wednesday, March 27, 2019, Kevin Paul Battjes, loving husband, friend, and father of three children, passed away at the age of 63.

Kevin was born October 22, 1955 to his parents, Martin and Evelyn Battjes in Kalamazoo, MI. He graduated from Portage Central Schools and went on to study chemistry at Western Michigan University, where he met his wife Joyce (Pippin) of 41 years. He earned his master's degree in chemistry from Central Michigan University while working as a chemist at the Michigan Molecular Institute (MMI). He continued working with Impact Analytical, a spin-off business unit of MMI, before retiring in 2015 and starting his own consulting business.

Kevin and Joyce were married on December 10, 1977. Together they raised three children, Jeremy, Daniel, and Sarah.

Kevin was a long-time member of St. John's Lutheran Church in Midland where he served as an elder and chairperson of the Board of Trustees and Compensation Committee. Behind the scenes Kevin was involved in countless youth events, school functions, and church meals serving the community alongside his wife with other members of St. John's.

Kevin had a great love for the water and a relentless commitment to his family. Kevin and Joyce shared memorable adventures while travelling the Great Lakes with friends at the Bay City Yacht Club. During the colder months he enjoyed woodworking and time spent ice fishing with friends. Beyond all of his commitments Kevin was a devoted husband, father, and grandfather who dedicated himself to caring for his family while spoiling his grandchildren with trips to the ice cream shop.

Kevin is survived by his wife, Joyce; son, Jeremy and wife Nicole (Stendel) with children Andrew (8) and twins Alexandra and Colin (5) in Arkansas; son, Daniel and wife Stacie (Selich) with son Lukas (5) in North Carolina; daughter, Sarah in Grand Rapids, MI; sister, Cindy and husband Verne Mills; sister, Donna and husband Glen Bumgardner; niece, Becky (Bumgardner) and husband Michael King and family; brother-in-law, Mark Pippin and wife Penny with extended loving family in Illinois. Kevin was preceded in death by his parents, Martin and Evelyn Battjes; and his in-laws, Ross and Marjory Pippin.

Funeral service were held at 11:00 AM on Tuesday, April 2, 2019 at St. John's Lutheran Church, 505 East Carpenter Street, Midland, with Pastors Daniel Kempin and Josh Parsons officiating, immediately followed by a graveside committal service at the City of Midland Municipal Cemetery. Kevin's family received friends at the Ware-Smith-Woolever Funeral Home, 1200 West Wheeler Street, in Midland, on Monday, April 1 from 4:00 to 7:00 PM, and at the church on Tuesday, April 2, from 10:00 AM until the time of the service. Those planning an expression of sympathy are asked to consider St. John's Lutheran Church or the Midland County Foster Closet.

In Memoriam – Max L. Bottomley Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The obituary notice for Max Bottomley as it appears here is reprinted, in part, from the Tuesday, April 30, 2019 issue of the *Midland Daily News*. He joined the ACS in 1947, and at the time of his passing he was a 72-year member of the ACS. He was also the third longest ACS member of the Midland local section at the time of his passing.



Max Leroy Bottomley, 96, of Midland, passed away on April 25, 2019. He was born February 5, 1923, in Charlotte, MI. Max married his beloved high school sweetheart, Martha Snow. She preceded him in death after 71 years of marriage.

After graduating from Charlotte High School, he entered Michigan State University. While attending Michigan State University, he joined the Army ROTC. He was called to active duty to serve in World War II and attended officer candidate school. He served as a lieutenant in the 65th Infantry Division, a part of Patton's Third Army in its march across Europe. His unit was in Enns, Austria, when the war ended. He

then returned to Michigan State University and graduated with a B.S. degree in chemistry.

In 1947, Max started his 39-year career at The Dow Chemical Company. He was on the teams that developed latex paint and Methocel[™]. At another time during his career he was a technical expert in a patent infringement case. He was a member of the Midland Jaycees, a founding member of both the Kiwassee Kiwanis Club of Midland and the Midland Jayvesters Investment Club. He was an active member in the community, including treasurer of the Midland Historical Society and served on the Investment Committee of the Midland Center for the Arts.

Above all else, Max was a devoted family man, involving himself in his children's activities such as Boy Scouts, youth sports, and PTA. He enjoyed traveling to Europe, was an avid golfer, participating in several golf leagues and was a loyal Spartan fan. He was a longtime member of the Midland First United Methodist Church, serving as an usher and on many committees.

He is survived by his sister, Shirley Wahlstrom of Novi, MI; children, Douglas (Jane) of Kalamazoo, MI, Bruce (Sharon) of New Canaan, CT, Anne (Bruce) Metzdorf of Granger, IN, Richard (Susan) of Rancho Mirage, CA, Peggy (Thomas) Carr of Suffield, CT, and Janice (Peter) Mowry of Carmel, IN; 12 grandchildren; and nine great-grandchildren. In addition to his wife, he was preceded in death by siblings, Don and Marcia; and one grandson, Connor Mowry.

Funeral services took place at 11:00 AM on Friday, May 3, 2019, at the First United Methodist Church, in Midland. The family received friends at the Ware-Smith-Woolever Funeral Home, 1200 West Wheeler Street, Midland, on Thursday, May 2, 2:00-4:00 PM and 5:00-7:00 PM, and at the church on Friday, May 3, at 10:00 AM until the start of the service. In lieu of flowers, please consider First United Methodist Church or the Midland Center for the Arts, with a designation to the Historical Society, Bradley Home Restoration Fund. Condolences to the family may be made online at <u>www.waresmithwoolever.com</u>.

The family is most appreciative of the care and support of the Independence Village staff and Hospice of MidMichigan Health Home Care.

Upcoming Dates, Events, and Other Updates

- May 6 (7:00 8:00 PM) Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at <u>Midland Section WebEx Board Meeting May 2019</u>, phone number: 989-633-1166.
- May 9 (6:00 8:00 PM) Year of Beer Tour Event, sponsored by the Younger Chemists Committee. Sign up at <u>Year of Beer</u>. Contact Wendy Flory (<u>WCFlory@dow.com</u>) or Stacey Saba (<u>SASaba@dow.com</u>) for any questions.
- May 11 (12:00 4:00 PM) 2019 Midland Section ACS Centennial Exhibit program, Silly and Special: Warrick's Putty, 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.
- May 18 (8:30 AM 1:00 PM) Chemists Without Borders Tripartite Symposium, co-organized by the Spectroscopy Society of Pittsburgh, the Society of Analytical Chemists of Pittsburgh, and the Pittsburgh Section of the ACS, Carlow University, Pittsburgh, PA. More information can be found at <u>http://www.ssp-pgh.org/lectures-symposia/</u>.
- May 23 (6:30 8:00 PM) Midland Section ACS sponsored event, *Paper Trail: Secrets and Science of an Amazing Material*, with guest speaker Dr. Steven Keller of Miami University. MSU Live Zoom event (<u>https://msu.zoom.us/j/169932528</u>), MSU St. Andrews, Midland. You can link in from home, but you will miss out on the demos and samples at this event. Dr. Keller will be talking about all kinds of paper and how it is made, its history, and properties. Free event, appropriate for middle school age children and up.
- June 3 (9:00 AM 5:00 PM) Turner J. Alfrey Visiting Professorship Lecture, MSU St. Andrews, Midland. Professor Craig J. Hawker will be the main lecturer, accompanied by two of his associates, Morgan Schultz and Neil Dolinski, as assistant lecturers. To register to attend this year's Turner J. Alfrey Visiting Professorship Lecture, please go to <u>2019 Turner J. Alfrey Program</u>, and for any questions, please contact Melanie Kauffman at <u>kauffman59@msu.edu</u>.
- June 4-8 (7:30 AM 5:30 PM) 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. For more information about 2019 CERM, go to <u>https://acscerm2019.org/</u>. To register to attend 2019 CERM, go to <u>https://acscerm2019.org/meeting-registration/</u>.
- June 4 (7:00 PM) Captain Scott Kelly: "The Sky Is Not the Limit: Lessons from a Year in Space." Midland Center for the Arts, presented in collaboration with the 50th ACS Central Regional Meeting 2019. Tickets on sale now. All tickets \$25. For information and to purchase tickets see the MCFTA website at <u>MCFTA –</u> <u>Captain Scott Kelly</u>.
- June 5 (12:00 2:00 PM) 2019 CERM Silver Circle/Younger Chemists Committee Luncheon, The H Hotel, Midland. For more information, see <u>https://acscerm2019.org/</u>.
- June 5 (5:30 8:00 PM) Paddle or Pedal event, sponsored by SVSU and CMU ACS student members. Transportation will be provided from the H Hotel in downtown Midland to the Chippewa Nature Center. Kayaks or bicycles will be provided, or you can bring your own equipment. It will up to you to paddle or pedal back to the Tridge in downtown Midland. A follow-up dinner at Oscar's is included in the \$5.00 registration fee. If you're not into paddling or pedaling, and just want to join in on the dinner, feel free to do that, too. To sign up, please go to <u>https://www.signupgenius.com/go/70A054BADAA2EA20-paddle</u>.
- June 5 (6:30 8:30 PM) 2019 CERM Awards Banquet, The H Hotel Ballroom, Midland. For more information, see https://acscerm2019.org/.
- June 6-8 STEM Education Opportunities at CERM. To register for local and free long-distance workshops, go to <u>https://acscerm2019.org/</u>. For more information or any questions, please contact Gina Malczewski (reginamalczewski@gmail.com) or Michelle Rivard (michelle.rivard@dow.com).

- June 6 (7:05 PM) Great Lakes Loons Baseball Game, Dow Diamond, Midland, in conjunction with the 2019 CERM meeting. For more information, please see https://acscerm2019.org/.
- June 7 (12:00 1:00 PM) BMGT and CERM 2019 present Dr. Joseph M. DeSimone, *Translating University Research to the Marketplace*, The H Hotel, Midland. For more information, see <u>https://acscerm2019.org/</u>.
- June 8 (6:00 7:00 PM) National Historic Chemical Landmark dedication event, Founders Park, Midland, in conjunction with the 2019 CERM meeting. For more information, see https://acscerm2019.org/.
- June 9 (Save the Date) 2019 Midland Section ACS Centennial Exhibit program, *It's a Wrap! The Science of Saran and Plastic Films*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.
- June 10 (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.
- July 13 (Save the Date) 2019 Midland Section ACS Centennial Exhibit program, Super Soaker: Diaper Polymer, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.
- July 21 (2:00 PM) Save the date for a fun, family ACS Day with the Great Lakes Loons baseball outing event, Dow Diamond, Midland. More information will be forthcoming. For questions, please contact Michelle Rivard (michelle.rivard@dow.com).
- August 5 (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.
- August 10 (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.
- August 25-29 (Save the Date) 258th ACS National Meeting & Exposition, San Diego, CA. For more information, see <u>https://global.acs.org/events/258th-acs-national-meeting-exposition/</u>.
- 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 (Save the Date) 2019 Midland Section ACS Centennial Exhibit program, *Styrofoam[™]*: *Chemistry and Art*, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.
- 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 <u>acsfallsubmits@gmail.com</u>. For more information or any questions, contact Elizabeth Santos (<u>EMSantos@dow.com</u>).
- 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).
- October 12 (Save the Date) 2019 Midland Section ACS Centennial Exhibit program, *Midland Memories:* 1919, Herbert D. Doan Midland County History Center, Midland. For any questions, contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.
- 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 (<u>EMSantos@dow.com</u>).

- 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. For any questions, contact Gina Malczewski at <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.
- 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 14 (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 <u>reginamalczewski@gmail.com</u> or Gretchen Kohl at <u>gretchen.kohl@att.net</u>.

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