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Call for Nominations for 2018 Officer and Director Candidates Wendy Flory, Chair, Nominations & Elections Committee, Midland Section ACS

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2018:

Chair-elect (1-year term)
Secretary (1-year term)
Treasurer (1-year term)
Chair, Nominations and Elections Committee (1-year term)
Councilor (3-year term)
Alternate Councilor (3-year term)
Directors (3 open positions for 3-year terms)

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Wendy Flory at wcflory@dow.com 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 www.midlandacs.org.

MSU-St. Andrews Family Stargazing Event, July 5 Melanie Kauffman, Communications Manager, Michigan State University

Family Stargazing: Astronomy and Telescope Night

This month holds the best opportunity to view both Jupiter and Saturn for the rest of 2017!

>>Telescopes will be available, but you can bring your own binoculars.



Program:

- At 9:00pm, there will be a short presentation about astronomy, describing the different telescopes we have;
- . When it is dark (about 9:30pm), we will go outdoors for an observing session.

Jupiter and Saturn will be visible by eye and by telescope. The moon will be in a gibbous phase - many craters will be visible, as well as most of the lunar "seas." If you've never seen the moon through a telescope, this will be a special treat. The photo shown above was taken using a cell phone through our smallest scope.

Visit research.msu.edu/midland or Facebook.com/StAndrews for more information.

Date: Wed., July 5, 9:00-10:30pm

Location: 1910 W. St. Andrews Road, Midland, Mich. (MAP)

(We are located at the next driveway west of the Grace A. Dow Library.)

Cost: Free!

(This program is made possible in part by support from the Dow Chemical Company Foundation.)

Audience: Recommended for elementary-age children and above, and their families, but **all are welcome**.

Michigan State University programs, activities and facilities are available to all without regard to race, color, gender, religion, national origin, political persuasion, sexual orientation, marital status, disability, height, weight, veteran status, age or familial status. Please inform us if you need any special accommodation for accessibility at (517) 432-4499.

Please share this <u>announcement</u> with your students, neighbors, and their families!

Follow MSU-St. Andrews on Facebook...

https://www.facebook.com/MSUStAndrews/

In case of clouds or bad weather, we will postpone to the following night, Thurs., July 6, also at 9:00pm.

MSU Summer Chemistry Lab Courses Offered in Midland – Summer Session II Begins July 6 *Melanie Kauffman, Communications Manager, Michigan State University*

In Summer Session II, July 6 through August 17, 2017, Michigan State University will offer two creditbearing chemistry lab courses in its facility at 1910 West St. Andrews Road, Midland. Free on-site parking is available.

- **CEM 162 (Chemistry Laboratory II)** will be offered on Tuesday and Thursday afternoons from 2:00 p.m. to 4:50 p.m. This course covers analytical and inorganic chemistry; redox and acid base titrations; spectrophotometric and gravimetric analysis; and preparation and analysis of coordination complexes of nickel, iron, and cobalt. (1 credit)
- **CEM 255 (Organic Chemistry Laboratory)** will be offered on Tuesday and Thursday afternoons, with a lecture from 1:00 p.m. to 1:50 p.m. and a lab session from 2:00 p.m. to 4:50 p.m. each day. This course involves preparation and qualitative analysis of organic compounds. (2 credits)

Open to current MSU and other college students, and high school students with AP chemistry credit. Details found here: http://research.msu.edu/msu-to-offer-chemistry-laboratory-courses-in-midland-this-summer/.

ACS Day at the Midland County Fair, August 16 Michelle Rivard, Treasurer, Midland Section ACS

ACS DAY at the Midland County Fair!



Jeanette - Jeanette. Young@dowcorning.com or Deb - dmendrick1@dow.com

Call for Abstracts for 2017 Fall Scientific Meeting Peter Bai, Fall Scientific Meeting Chair, Midland Section ACS



Dear Students, Faculty, and Industry Professionals:

It is a pleasure to invite you to the 73rd ACS Fall Scientific Meeting. The conference is organized by the Midland Section of American Chemical Society, and will take place on October 21, 2017 at Saginaw Valley State University. The meeting is an annual gathering of students, faculty, and industry professionals to spur scientific dialogue, professional development, and networking. The theme for the conference this year is "Chemistry Rocks!"

Invited Speakers:

Philip Robertson (Keynote Speaker) – University Distinguished Professor, Michigan State University Cordell DeMattei – Director, Fermentation Sciences, Central Michigan University John Host – Materials Scientist, Hemlock Semiconductor Corporation Megan Rohrssen – Assistant Professor, Geology & Environmental Sciences, Central Michigan University Matt Schrenk – Assistant Professor, Earth and Environmental Sciences, Michigan State University

Call for Abstracts:

We are now accepting abstracts for oral and poster presentations at the conference. Topics of interest span all Chemistry-related disciplines. Please use the attached template (see page 5) to format your abstract, and submit your abstract to Dr. Jay Liu (JLiu7@dow.com). Abstract submission deadlines are as follows:

Deadline for Industry Professionals: September 1, 2017
Deadline for Students and Academic Professionals: September 22, 2017

Call for Volunteers:

We are also looking for volunteers to join the conference organizing committee and poster judge panel. If you are interested, please contact Peter Bai (PJBai@dow.com).

Questions:

If you have additional questions about the ACS Fall Scientific Meeting, please contact anyone on the meeting organizing committee:

Peter Bai (<u>PJBai@dow.com</u>)
Jennifer Larimer (<u>J.Larimer@hscpoly.com</u>)
Jay Liu (<u>JLiu7@dow.com</u>)
Mike Vagnini (<u>MTVagnini@dow.com</u>)

ACS Fall Scientific Meeting Abstract Submission Form Template

Please complete this form and email to Jay Liu (<u>JLiu7@dow.com</u>). Please name the file in the following format: TYPE_LASTNAME_FIRSTNAME (e.g., Poster_Smith_John.docx).

Oral presentations will be 20 minutes long including Q&A. Posters have suggested dimensions of 48" x 36".

Abstract Title:	
Presentation Type (Oral/Poster):	
Presenter Name(s):	
Presenter Organization/Department:	
Abstract (300 words maximum):	

Mid-Michigan Technicians Group Hosts 4-Day "Science Works!" STEM Camp at Delta College Michelle Rivard, MMTG Camp Coordinator, Midland Section ACS

School is out and summer camps are in full swing! Late last year Delta College inquired if the Mid-Michigan Technicians Group (MMTG) would be willing to put together a 4-day STEM camp for their summer camp program. Due to recent budget constraints, MMTG's budget has been significantly reduced and MMTG has had to get creative in order to offer the same quality programs that have won our local section numerous National ACS ChemLuminary awards in the past. Since MMTG members have been the backbone of volunteers for our local section's outreach programs, finding volunteers and leaders to make this camp a success wasn't an issue!

Each day we explored what scientists do with fun hands-on activities and guest speakers. Day one we became forensic scientists and solved the mystery of "Who Stole the Gold!" using various analytical techniques. Guest speaker Karen Stack, forensic science instructor at Bay Arenac ISD kicked off the morning program with an interactive session on bones and what information we can gather by studying them. Later in the afternoon, Officer Nate Van Tifflin helped the campers lift fingerprints from various objects.



Campers looking at fibers under a microscope (*Photo courtesy of Michelle Rivard*)



Officer Nate Van Tifflin talking about lifting fingerprints (*Photo courtesy of Michelle Rivard*)

Day two we unlocked the mystery of our universe by becoming space explorers and learning how NASA scientists are investigating our universe with fun activities such as film canister rockets and building the Astronomer's toolbox, the Spectroscope. Campers explored the world of Mars and what it will take to get us there. We Skyped with one of NASA's featured "Women of NASA", Leslie Tamppari. She talked about her career at NASA and how her work is helping to set the stage for the exploration of Mars someday by astronauts. This opportunity to Skype with Leslie was received enthusiastically by the campers as seen by the variety and number of questions they asked of her.



Talking via Skype with Leslie Tamppari of NASA's Jet Propulsion Laboratory (*Photo courtesy of Michelle Rivard*)

Day three we became engineers and designed catapults using only Popsicle sticks, a spoon, and rubber bands. The campers then launched mini-marshmallows to see who would be the "Ruler of the Catapults." Guest speaker Max Dehtiar, an engineer from Dow Corning, talked about his career and made ice cream in an ice cream maker that he had modified. He talked about his modification which highlighted the engineering design process that engineers use to solve problems. The problem he wanted to solve? How to get the machine to make the ice cream faster! Max was able to cut the time from 25 minutes to 14 minutes – Sweet success! Lastly, the campers worked together in groups taking on specific engineering roles to create a new toy!



Catapults made by the campers (Photo courtesy of Michelle Rivard)

The last day of the camp we became formulation chemists and explored what a formulation is and what it takes to make a formulation. Guest speaker Heather Sweebe, a Dow Corning specialty material technician, explored coatings with fun hands-on activities. These activities included making thin coatings using nail polish and then looking at different coating formulation properties using a Q-test. Guest speaker Kathryn Hewett from Dow Chemical explored pharma and food formulations with the campers while Evan Waddell of Dow Corning's Beauty Care explored the world of cosmetics. The campers were able to make and take home their very own specially formulated lotion and gum.

The STEM camp was a huge success as noted by all of the positive feedback from the campers and parents. This success would not have been possible if not for all of the hard-working volunteers and leaders that stepped up and made it possible. I would like to thank each and every one of you that helped for a job very well done!

Midland Section Receives Nine ACS ChemLuminary Award Nominations for Outstanding 2016 Activities

Jaime Curtis-Fisk, Past Chair, Midland Section ACS



The American Chemical Society celebrates the outstanding contributions and achievements of local sections, divisions, and regional meetings through the ChemLuminary Awards. The awards are presented at the fall national meeting (August 20-24, 2017, Washington, DC) in an awards ceremony that celebrates the accomplishments of the dedicated volunteers that make these programs possible. The Midland Local Section has a long history of strong representation, and the trend continues this year as we were selected as a semi-finalist for nine awards. Most notably, the overall success and strong performance of our section has yet again been recognized as a semi-finalist for the "Outstanding Performance by a Local Section

(Medium Size)" award. Congratulations to all of our amazing volunteers that make these programs possible, and we look forward to bringing home many more awards.

- Outstanding Performance by a Local Section (Medium Size). The Midland Local Section is once
 again nominated for the outstanding performance award based on the high quality programming
 and initiatives that we provide to our members and the community.
- Creative & Innovative Use of the CCED Theme: Earth Day Expo and Seminar. An Earth Day handson expo celebrating "The Great Indoors" theme was sponsored at the Midland Center for the Arts,
 and MSU professor Susan Masten provided an excellent seminar entitled "The Chemistry of Crisis:
 What Happened to Flint's Water?" which covered a chronology of events as well as the science
 behind the water contamination.
- Global Engagement Award for Local Sections: Science Teaching in Guatemala. An ACS Global Innovation Grant was used to bring supplies, written lessons, and a hands-on teacher workshop to rural Guatemala where educators from three institutions had 3.5 days of training in a variety of curriculum-relevant science topics to share with their classes.
- Most Creative NCW Celebration Using the Yearly Theme: Activities at Education Day with the Saginaw Spirit, Great Lakes Bay Science and Engineering Festival, and Forensics at Bay City Western Middle School. Hands-on activities and give-ways related to determination of "real fruit" in juices, identifying polymers, fiber analysis, fingerprinting, blood group identification, document examination and other tests were conducted at three different venues over multiple months to celebrate "Solving Mysteries through Chemistry".

- Most Innovative Activity in a Local Section for Senior Chemists: Silver Circle "Four Seasons"
 Program Summer and Fall Activities. An outdoor lunch and garden tour were held at Creative 360 in August. Ice cream treats were provided as well as a "Chemistry of Ice Cream" webinar and demo. In October, a tour of Leaman's Applebarn and hayride were followed by a chili dinner with cider, donuts, and live music.
- Outstanding High School Student Program Award: Hands-on sessions at Midland High School. Daylong labs at Midland High School were done three times: Alka-Seltzer Reactions, Carnival Science, and Diet Pop and Mentos. These sessions were accompanied by worksheets, and covered topics such as chemical and physical reactions, force, pressure, carbohydrates, aldehydes and ketones, redox reactions, endothermic reactions, and acid-base chemistry.
- Outstanding Kids and Chemistry Award. In 2016, the Midland Kids and Chemistry volunteers made
 at least 22 local school visits (most of them for multiple classes), and presented seven teacher
 workshops. Two six-week programs were offered and a total of about 16,000 people attended a
 variety of community, school and conference activities, most of them hands-on and all of them
 interactive.
- Outstanding NCW Event for a Specific Audience: Hands-on Forensics Program for Eighth Graders at Bay City Western Middle School. Three classes of eighth graders solved a theft by assessing evidence from document, plastic, and tape analysis, blood typing, fingerprinting, and soil and fiber examination. Careers in forensics were also discussed.
- Best Event or Activity Organized by, or Benefiting, the Applied Chemical Technology Professional
 Community. The Mid-Michigan Technicians Group (MMTG) hosted a symposium and networking
 reception at the Midland Local Section Fall Scientific Meeting to draw attention to and celebrate 25
 years of MMTG.

Editor's note: Any Midland local section member that is planning to attend the 254th ACS National Meeting & Exposition in Washington, DC on August 20-24, 2017, should also make plans to attend the National ACS *ChemLuminary Awards Event* (poster session, reception, and presentation of awards). This event will be held on Tuesday evening, August 22, 8:00-10:00 PM, in the Grand Ballroom of the JW Marriott Hotel, 1331 Pennsylvania Avenue NW, Washington, DC.

Nexteer, Michigan State to Offer Midland-Based Master's in Engineering Program *Melanie Kauffman, Communications Manager, Michigan State University*



<u>Nexteer Automotive</u>, a global leader in intuitive motion control, has signed a memorandum of understanding with Michigan State University (MSU) to offer a master's of science degree in electrical engineering program in Midland, beginning in September 2017. The partnership is aimed at increasing the availability of advanced graduate-level engineering education in the Great Lakes Bay Region.

"In support of our local communities, we seek qualified talent in close proximity to our global locations," said Robin Milavec, senior executive director of current product engineering, Nexteer Automotive. "There's a continuing need in the Great Lakes Bay Region, including at our Global Technical Center in Saginaw, for individuals fluent in advanced electrical engineering. We believe the availability of a local graduate program backed by MSU will be a great draw for the region."

The electrical engineering program is open to all qualified applicants and will focus on building graduate students' competencies in the growing field of automotive electronics, particularly in the areas of vehicle safety, advanced driver assistance systems (ADAS), and autonomous driving technologies. The program and its curriculum were developed in conjunction with MSU's Department of Electrical and Computer Engineering within the College of Engineering.

With two degree tracks available, the plan replicates MSU's standard electrical and computer engineering master's program requiring 30 credit hours for completion. MSU will offer five graduate courses per year to meet these requirements. As a partner, Nexteer will provide program content recommendations and encourage eligible employees to take part in the educational program.



Leo Kempel, Dean of the MSU College of Engineering

"We are pleased to partner with <u>Nexteer Automotive</u> in expanding higher education in the Great Lakes Bay Region," said Leo Kempel, Dean of the College of Engineering, Michigan State University. "The company's commitment to the region has aided us in crafting a program that will further STEM education and

meet the area's intellectual needs. It also affords the opportunity for joint research and innovation as part of the economic development of the region."

The program, which will be based at an MSU academic facility in Midland, will commence in the fall 2017 semester. For more information about the program, including curriculum, application, admission requirements and tuition, visit the MSU Department of Electrical and Computer Engineering website at https://ece.msu.edu/midlandms.

Midland M.S. Program in Electrical Engineering Melanie Kauffman, Communications Manager, Michigan State University

The <u>Midland Master of Science Degree Program</u> in the Department of Electrical and Computer Engineering focuses on building graduate students' competencies in the growing field of automotive electronics, particularly in the areas of vehicle safety, advanced driver assistance systems (ADAS), and autonomous driving technologies. Our goal is to increase the availability of advanced graduate-level engineering education in the Great Lakes Bay Region. The program, which is based at MSU academic facilities in Midland, is open to Nexteer employees and other graduate-degree seeking students.

The M.S. program and its curriculum are developed in partnership with <u>Nexteer Automotive</u>. The plan replicates MSU's standard Electrical and Computer Engineering M.S. program requiring 30 credit hours for completion (https://ece.msu.edu/academics/graduate-programs). The Department of Electrical and Computer Engineering will offer five graduate courses per year to meet these requirements. As a partner, Nexteer will provide program content recommendations and encourage eligible employees to take part in the educational program.

Two-degree options are currently available:

- Option A (24 credit hours of course work and 6 credit hours of thesis)
- Option B (30 credit hours of course work)

The graduate programs in the Department of Electrical and Computer Engineering (ECE) are built on the quality of our 55 faculty members and their research. Each year approximately 220 students are enrolled in our M.S. and Ph.D. graduate programs. Our research activities have witnessed strong growth in recent years with the creation of two new research efforts: Connected and Autonomous Networked Vehicles for Active Safety (CANVAS), and Millimeter-wave and Submillimeter-wave Electronic Systems.

Our faculty members are leaders in their chosen field and are highly respected by their peers. We have 2 National Academy of Engineering members, 19 IEEE Fellows, 13 NSF CAREER awardees, 3 DARPA YFA awardees, and 4 University Distinguished Faculty in the department. The main areas of research include Computer Engineering (computer architecture, computer networks, and VLSI/microelectronics), Electrosciences (electromagnetics, electronic materials and devices, and nondestructive evaluation), and Systems (biomedical engineering, control and robotics, power electronics and systems, and signal processing and communications).



ECE Professor Hayder Radha and CANVAS car

For information on how to apply to the Midland M.S. program, please visit ECE Admissions at https://ece.msu.edu/academics/admissions-graduate-studies.

In Memoriam – Joseph Michael Ceraso Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: Joe Ceraso's obituary as it appears here is reprinted, in part, from the May 30, 2017 issue of the *Midland Daily News*. His obituary mentions of the fact that he was a member of the American Chemical Society. Joe became a member of the ACS in 1980 and was a 37-year member of the ACS at the time of his passing. Joe served the Midland local section as Section Chair in 2004.



Joseph Michael Ceraso, PhD, 69, of Midland, our loyal, fun-loving, and strong-willed husband, father, grandfather, brother, uncle, and friend was born into eternal life on Saturday, May 27, 2017 at his home. Joe was born in Boston, Massachusetts on October 6, 1947, the son of the late Joseph and Marie (Testa) Ceraso.

He completed his undergraduate studies at Boston College. Joe then continued his studies at Michigan State University where he earned his Doctor of Philosophy in Physical Chemistry. Throughout life, Joe remained a true Spartan and active with the alumni association. On July 3, 1987 Joe was united in marriage to Angela Uhlmann in St. John the Evangelist Church. After many years of service, Joe retired

from Dow Chemical Company where he was a research chemist.

Always putting others before himself, Joe was a well-respected chemistry adjunct professor at both Saginaw Valley State University and Central Michigan University. Joe was a member of the American Chemical Society and enjoyed wine collecting, hiking, canoeing, kayaking, cross country skiing, and camping (especially at Porcupine Mountain Wilderness State Park and Tawas City Park). He had a knack for gadgets of all types and loved to figure out the latest technology on vehicles. Known for his love of our country, Joe honorably served in the National Guard for many years.

Joe leaves his wife, Angela Uhlmann-Ceraso to carry on his legacy, along with his son, Joseph Michael Ceraso II and a special daughter-in-law Heather Ceraso. Joe was the most loving grandfather of Olivia Marie Ceraso, who was the apple of his eye. He will forever be remembered by his sisters, Julie Nevil, Sheila Ceraso, and Susan (Michael) Dadak; in-laws, Marjorie (John "Jack") Neering, Clarence Joseph "C.J." (Colleen) Uhlmann, Rosalie Clare, Lyle (Helene) Uhlmann, Mary Ann (Ken) Anderson, John Uhlmann, along with many nieces and nephews. In addition to his parents, Joe was welcomed home to heaven by his father and mother-in-law, Clarence and Christine Uhlmann and brothers-in-law, James Green and William Clare.

Joe's family was present to receive visitors on Tuesday, May 30, 2017 from 5:00 PM until 8:00 PM at Skorupski Family Funeral Home and Cremation Services, 955 North Pine Road, Hampton Township. (http://skorupskifamilyfunerals.com/). On Wednesday, May 31, 2017, Joe was taken to St. Jude Thaddeus Parish (St. John the Evangelist Church), 614 Pine St., Essexville, where visiting continued from 10:00 AM until the time of Joe's 11:00 AM Funeral Liturgy. The Rite of Committal followed in St. Patrick Cemetery. Memorial contributions may be directed to the wishes of the family.

In Memoriam – Kenneth J. Bruza Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: Ken Bruza's obituary as it appears here is reprinted, in part, from the June 10-11, 2017 weekend issue of the *Midland Daily News*. Ken became a member of the American Chemical Society in 1974 and was a 43-year ACS member at the time of his passing.



Kenneth J. Bruza, age 70, of Alma, passed away Monday, June 5, 2017 at Masonic Pathways in Alma. He was born on November 21, 1946 in Detroit, Michigan the son of Joseph and Bernice (Kopacz) Bruza. On April 4, 1981 he married Janette Caputo in Midland.

Ken attended Wayne State University, earning his Bachelor's Degree in Chemistry in 1969. In 1970, Ken served his country in the United States Army, as a surgical tech as part of the 33rd Field Hospital in Wirtsburg, Germany. He was awarded a National Defense Service Medal, and was honorably discharged in 1972. Ken would later earn his

Master's Degree in 1976 and PhD in 1979, from Wayne State University. He then completed his Post-Doctoral Research Fellowship at the University of Pittsburg in 1980.

Dr. Bruza was an organic synthetic chemist for Dow Chemical Company from 1979 to 2004 and was a senior associate scientist for Michigan Molecular Institute from 2004 to 2009. Known among his peers for creativity he was often asked to generate research ideas for wide ranging teams. His major research areas included improving the epoxy resins used for wind turbine blades, inventing polymers for fuel cell membranes, inventing small and oligomeric peptides as antimicrobials, inventing polymers for light emitting diodes, and inventing molecules for controlled release of fragrances, among others.

He was internationally recognized as the father of AB maleimide benzocyclobutene chemistry. He worked with NASA-Langley on a high-speed civilian transport project and with IBM and NIST on low dielectric organic films. He earned special recognition awards at Dow in 1987, 1988, 1990, 1992, 1995, 2000, and 2001. He was an invited speaker at MIT, the Adhesion Society, and Gordon Research Conferences, as well as presenting at American Chemical Society meetings. He excelled at applying organic synthesis to the preparation of unique

monomers and polymers and has 16 chemical patents and 17 professional publications to his credit. He taught briefly for Central Michigan University while at Dow, served on the Chemical Technology Advisory Board for Delta College, and was a part-time Professor at Alma College from 2002-2017, where he also developed a special course in polymer chemistry.

Ken was a talented watercolorist who shared his love of painting with others in private lessons, classes, and individual presentations. His work has been shown and sold throughout mid-Michigan and is prized for his particular use of bright colors in breath-taking landscapes and seascapes. He was a member of and held varied offices in the MidMichigan Creative Artists Guild, taught water color classes for the Alma Community Arts Center, and was on the Board of Directors of the Pine River Arts Council for 15 years. He was an actor with the Gratiot County Players and coordinator of the Presbythespians, his church drama group.

Known to many community colleagues as "helium hand" Ken could be counted on to volunteer when help was needed. He was the chief duck sales guy as well as the prize and sponsor chair for the Lucky MacDuck Community Day from 2002-2016, helped with and later chaired the Ceilidh Committee for the Alma Highland Festival, was a Mason, a Rotarian, and a volunteer for Toys for Tots. He was an Elder in the First Presbyterian Church of Alma, where he served on Session, and on the Stewardship and Building & Grounds Committees. He created and chaired the annual Community Halloween party at the church and was the beverage captain for the Commission on Aging Annual Community Thanksgiving dinner. His most demanding and most rewarding community activity was serving many years as the untiring Volunteer Coordinator for Community Café, where he worked with members of multiple area churches, Alma College, sororities, fraternities, NHS students, interested individuals, retirees, and probation officers to make and serve nutritious meals in a safe and welcoming environment every week.

Ken is survived by his wife, Dr. Janette Caputo; a brother, Richard Bruza; brothers and sisters-in-law, Tony and Barbara Caputo, and Scott and Keron Bowen; niece, Julia and Todd Stift; great nieces and nephew, Daphne Stift, Rebecca Modderno, and Thomas Stift. He was preceded in death by his parents; a sister, Diane Bruza; and a niece, Carla Modderno.

Per Ken's wishes, cremation has taken place. A memorial service and concert to celebrate his life will be held later this fall at the First Presbyterian Church in Alma, please watch for the date and time to be announced. Interment will be held in Pennington Memorial Gardens at the First Presbyterian Church. Those wishing to honor Ken's spirit of giving, please make memorial contributions to one of the organizations he worked so tirelessly to support. Arrangements have been entrusted to the care of Lux-Moody-Wolfel Funeral Home, Alma. To view Ken's obituary online or to leave a condolence for the family, please visit www.luxfuneralhomes.com.

In Memoriam – David B. Kellom Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: David Kellom's obituary as it appears here is reprinted, in part, from the Cederberg Funeral Home of Frankenmuth website (http://www.cederbergfh.com/index). David became a member of the American Chemical Society in 1948 and was a 69-year ACS member at the time of his passing.



Dr. David B. Kellom, Frankenmuth, MI (formerly of Midland, MI)

Dr. Kellom took his final journey to be with his Lord God, and Savior Jesus Christ on Wednesday, June 21, 2017 at his Frankenmuth home; age 89 years. David was born on May 15, 1928 in Beverly, MA to the late George and Katharine Kellom. He was married to Jean Purinton on July 7, 1951, she survives him.

David earned a Bachelor of Science degree in chemistry at MIT in 1949 and a Master's degree and Doctorate degree in chemistry at Columbia University in 1950 and 1952. He was a Postdoctoral Fellow at the University of Illinois, Champaign-Urbana, from 1952 to 1953.

David retired from Dow Chemical Company where he worked as a research chemist, patent agent, and patent consultant from 1953 to 1987. During his Dow years and for many years following his retirement, David served on several community and church boards. He was a youth advisor, youth and adult teacher, and adult leader at Memorial Presbyterian Church. He was a member of the Midland City Commission on Community Relations from 1963 to 1973, a school board member for the City of Midland for 12 years and for Midland County for 22 years. He was a long-time director of the State School Board Association (1979-96) and served as its president from 1989-90. David was also a member of the Frankenmuth United Methodist Church.

Surviving besides his wife Jean are 2 sons: James (Shaila) Kellom of Frankenmuth, MI, and Edward (Suzanne) Kellom of Frankenmuth, MI; 2 daughters: Martha (Ken) Hafner of Randolph, VT, and Doris Kellom of Waterford, MA; 5 grandchildren: Taryn (Brian) Jones of Leander, TX, Ryan (Kristy) Kellom of Mason, MI, Chip Hafner of Tampa, FL, Matt Kellom of Frankenmuth, MI, and Evan Kellom of Frankenmuth, MI; 3 great grandchildren: Parker Jones and Quinlyn Jones, and Brooklyn Kellom; two brothers; Richard (Marilyn) Kellom of New London, NH, and John (Linda) Kellom of Hilton Head, SC. David was preceded in death by his parents and a daughter, Nancy Kellom.

A memorial service will take place at a later date. According to Dr. Kellom's wishes, cremation has taken place. Arrangements have been entrusted to the care of Cederberg Funeral Home of Frankenmuth (http://www.cederbergfh.com/index).

Upcoming Dates, Events, and Other Updates

- July 5 (9:00 10:30 PM) MSU-St. Andrews Family Stargazing: Astronomy and Telescope Night event, 1910 West St. Andrews Road, Midland. In case of clouds or bad weather, this event will be postponed to the following night, July 6, also beginning at 9:00 PM.
- July 6 August 17 MSU summer chemistry lab courses offered in Midland. The Summer Session II begins
 July 6 and runs through August 17. Open to current MSU and other college students, and high school
 students with AP chemistry credit. Details may be found here: http://research.msu.edu/msu-to-offer-chemistry-laboratory-courses-in-midland-this-summer/.
- August 7 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at Midland Section WebEx Board Meeting, meeting number/access code: 715 679 159, phone number: 989-633-1166.

- August 11 (12:00 PM) Deadline to purchase discounted ride bands for the 2017 Midland County Fair.
 Ride bands are available for \$16.00 for a single-day, all-day, any-day of fun, too. Advance ticket sales only for ride bands by contacting Jeanette Young (<u>Jeanette.Young@dowcorning.com</u>) or Deb Mendrick (<u>dmendrick1@dowcorning.com</u>).
- August 16 (4:30 7:30 PM) ACS Day at the Midland County Fair. Science demos and networking, and free hot dogs, chips, and drinks to ACS/MMTG/YCC members, families, and friends, tan picnic building, north end of the Grandstand, Midland County Fairgrounds. Discounted ride bands are available for \$16.00 for a single-day, all-day, any-day of fun, too. Advance ticket sales only for ride bands by contacting Jeanette Young (Jeanette.Young@dowcorning.com) or Deb Mendrick (dmendrick1@dowcorning.com) by no later than Friday, August 11, 12:00 PM.
- August 20-24 254th ACS National Meeting & Exposition, Washington, DC. For more information, see https://www.acs.org/content/acs/en/meetings/fall-2017.html.
- August 22 (8:00 10:00 PM) National ACS ChemLuminary Awards Event (poster session, reception, and presentation of awards), Grand Ballroom, JW Marriott, 1331 Pennsylvania Avenue NW, Washington, DC.
 Note: The Midland Section ACS has been selected as a semi-finalist for nine different ChemLuminary awards based on Midland local section programs and activities for calendar year 2016!
- September 1 Deadline for submission of abstracts for the 2017 Fall Scientific Meeting by Industry Professionals. For any questions, or to submit your abstracts, please contact Jay Liu at JLiu7@dow.com.
- September 11 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at Midland Section WebEx Board Meeting, meeting number/access code: 715 679 159, phone number: 989-633-1166.
- September 22 Deadline for submission of abstracts for the 2017 Fall Scientific Meeting by Academic Professionals and Students. For any questions, or to submit your abstracts, please contact Jay Liu at JLiu7@dow.com.
- October 2 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at Midland Section WebEx Board Meeting, meeting number/access code: 715 679 159, phone number: 989-633-1166.
- October 21 (Save the Date) 2017 Midland Section ACS Fall Scientific Meeting (FSM), Saginaw Valley State
 University (Curtis Hall). For more information, or to volunteer, please contact Peter Bai, 2017 FSM Chair,
 at PJBai@dow.com.
- November 6 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at Midland Section WebEx Board Meeting, meeting number/access code: 715 679 159, phone number: 989-633-1166.
- December 4 (7:00 8:00 PM) ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at Midland Section WebEx Board Meeting, meeting number/access code: 715 679 159, phone number: 989-633-1166.

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