

THE MIDLAND CHEMIST

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Who's Who in 2021

Robbyn Prange, Chair, Midland Section ACS



Each year, the Midland Section of the ACS welcomes a new Board of Directors. This year's 17-member board has close to 400 years of combined ACS membership years with a wide range of membership terms among them. Wendell Dilling, with 62 years of continuous ACS membership, serves on the board, the Executive Committee and is our section's historian. Maude Desroches, with 2 years of ACS membership, is the section's secretary, serving both on the board and the Executive Committee. Along with those serving on our board, the Midland Section's committee chairs play a key role in leading activities through the year, including educational programming and outreach. I encourage you to get to know the "Who's Who in 2021" as outlined below by *The Midland Chemist*.

Board of Directors: The Board of Directors consists of the officers of the Section (Chair, Chair-Elect, Secretary, and Treasurer), the immediate Past Chair, the Councilors, the Alternate Councilors, the Chair of the Nominations and Elections Committee, and nine Directors, all of whom are voting members. The Councilors, Alternate Councilors, and Directors are elected to three-year terms. All others are elected to one-year terms. The number in parentheses in the list below indicates the final year in office. The asterisks indicate members of the Executive Committee.

Committee Chairs: There are four standing committees: nominations and elections, membership, program, and publicity. All other committees are established by the Board of Directors with Committee Chairs appointed by the Chair of the Midland local section. Below is also a list of the current committee chairs.

Midland, MI ACS Leaders 2021



Robbyn Prange,
Chair



Joel McDonald
Chair-elect



Lauren
McCullough,
Treasurer



Maude
Desroches,
Secretary



Mark Jones,
Past Chair



Amanda Palumbo
Past Chair, Public
Relations, Director



Dale
Lecaptain,
Councilor



Shuting Feng
Nominations &
Elections Chair



Michael Coote,
Director



Wendell Dilling,
Director, Historian



Steve Keinath,
Director, Newsletter
co-editor



Gina Malczewski,
Director, Outreach co-
chair, Centennial Chair,
Scholarships



Michelle Rivard
Director, Outreach Co-
chair, SEED, MMTG



Kevin Wier,
Director;
Safety



Wendy Flory, Alternate
councilor, Finance
Committee



Vickie Langer
Newsletter
co-editor



Anne-Catherine
Bedard
Diversity and
Inclusion



Michael
Tulchinsky
Chemistry
Olympiad



Kshitish Patankar,
Director

2021 ACS Midland Leadership Team

Chair*	Robbyn Prange	chair@midlandacs.org ; rprange@dow.com
Chair-Elect*	Joel McDonald	chairelect@midlandacs.org ; joel.mcdonald@dow.com

Secretary*	Maude Desroches	secretary@midlandacs.org ; MDesroches@dow.com
Treasurer*	Lauren McCullough	treasurer@midlandacs.org ; LRMcCullough@dow.com
Past Chair*	Mark Jones	pastchair@midlandacs.org ; markjones@dow.com
Councilor (2023)	Dale LeCaptain	dale.lecaptain@cmich.edu
Alternate Councilor (2023)	Wendy Flory	wcfory@dow.com
Nominations & Elections Committee	Shuting Feng	elections@midlandacs.org ; sfeng7@dow.com
Director (2021)	Michael Coote	mcoote@svsu.edu
Director (2021)	Kshitish Patankar	kpatankar@dow.com
Director (2021)	Kevin Wier	kevin.wier@dow.com
Director (2022)*	Wendell Dilling	w.dilling@att.net
Director (2022)	Wenyi Huang	wenyi.huang@dupont.com
Director (2022)	Steve Keinath	skeinath54@charter.net
Director (2023)	Gina Malczewski	reginamalczewski@gmail.com
Director (2023)*	Amanda Palumbo	amanda.palumbo@dow.com
Director (2023)*	Michelle Rivard	michelle.rivard@dow.com
Ex Officio Director	Tom Lane	maingeek1@gmail.com
Committee Chairs		
Awards	Diana Deese	awards@midlandacs.org ; DKDeese@dow.com
Chemistry Olympiad	Michael Tulchinsky	Chemistry-Olympiad@midlandacs.org ; tulchiml@dow.com
Fall Scientific Meeting	TBD	
Finance	Wendy Flory	finance@midlandacs.org ; wcfory@dow.com
Historian	Wendell Dilling	history@midlandacs.org ; w.dilling@att.net
Inclusion & Diversity Committee	Anne-Catherine Bedard	diversity@midlandacs.org ; ABedard@dow.com
Long Range Planning Committee	Mark Jones	planning@midlandacs.org ; markjones@dow.com
Membership	TBD	
Midland Chemist Newsletter	Steve Keinath	newseditor@midlandacs.org ; skeinath54@charter.net
Midland Chemist Newsletter	Vickie Langer	newseditor@midlandacs.org ; vlanger@dow.com
Mid-Michigan Technicians Group	Diana Deese	technicians@midlandacs.org ; DKDeese@dow.com
Outreach/Earth Day	Gina Malczewski	outreach@midlandacs.org ; reginamalczewski@gmail.com

Outreach/Earth Day	Michelle Rivard	outreach@midlandacs.org ; michelle.rivard@dow.com
Program	Joel McDonald	programs@midlandacs.org ; joel.mcdonald@dow.com
Project SEED	Michelle Rivard	project-seed@midlandacs.org ; michelle.rivard@dow.com
Public Affairs	TBD	
Publicity	Amanda Palumbo	publicity@midlandacs.org ; amanda.palumbo@dow.com
Safety	Kevin Wier	safety@midlandacs.org ; kevin.wier@dow.com
Silver Circle/Senior Chemists	Gretchen Kohl	seniors@midlandacs.org ; gretchen.kohl@att.net
Webmaster	Michael Malczewski	web@midlandacs.org ; michael.j.malczewski@gmail.com
Women Chemists Committee	TBD	women-chemists@midlandacs.org
Younger Chemists Committee	TBD	Young-Chemists@midlandacs.org

Recognizing Achievements of African Americans in Chemistry

From ACS Matters, February 2, 2021

In recognition of Black History Month, C&EN has updated and reposted the article "[Black chemists you should know about](#)," and we recommend that you read the inspiring stories of a dozen African American inventors, educators, and unsung heroes who changed lives through their work in chemistry. You can also find [more in-depth information about several of them on the National Historic Chemical Landmarks page](#), because their achievements were honored by that ACS program. Finally, last year ACS *Axial* highlighted the research of [seven contemporary African American chemists](#) whose work is pushing their respective disciplines forward.



Alma Levant Hayden image credit: NIH History Office/Wikimedia Commons

International Global Women's Panel Discussion and Networking Events, February 9
Amanda Palumbo, Director, Midland Section ACS

Links to register: [Breakfast Panel](#) – [Lunch Panel](#) – [STEM Happy Hour](#)



ACS Celebrates the
International Global Women's Breakfast
Panel Discussion & Networking Event
Tuesday, February 9



Breakfast Panel: Empowering Diversity in Academia
8:00am-9:00am EST (GMT - 5)
Click [Here](#) to Register

Dr. Michelle Claville - Program Director, National Science Foundation
Dr. Hooi Ling Lee - Senior Lecturer, Universiti Sains Malaysia





Lunch Panel: Empowering Diversity in Industry
12:00pm-1:00pm EST (GMT - 5)
Click [Here](#) to Register

Dr. Teri Quinn Gray - Global Integration Leader for Technology, DowDuPont
Dr. Concepción "Conchita" Jiménez-González - Environment, Health, Safety and Sustainability Global Lead for R&D, GlaxoSmithKline





STEM Happy Hour: Empowering Diversity in Professional Societies
4:00-5:00pm EST (GMT - 5)
Click [Here](#) to Register

Karen Horting - Executive Director and CEO, Society for Women in Engineering (SWE)
Fiorella Olivera Venturo - Lecturer, Universidad Peruana Cayetano Heredia



Past and Present: Pandemics in Midland and the Chemistry Connection

Gina Malczewski, Director, Midland Section ACS

Those of us living in central Michigan in 2021 are struggling through what we believe are unprecedented times with challenges that began last year with COVID-19 (SARS-CoV-2; called by some the “Chinese virus”). A little more than a century ago, however, our forebears were dealing with the so-called “Spanish flu” without benefit of antibiotics, immunizations, or advice from public health experts.

The source of the 1918 flu epidemic is uncertain. It occurred during WWI, with soldiers moving across Europe in large groups providing an efficient means of transmission—as their training facilities in the United States also suffered outbreaks that spread to the general population. After Camp Custer in Battle Creek, Michigan, was quarantined in late September 1918, cases rose from 557 to 2000 in one day, and deaths from 20 to 169 in one week. Nurses left our area to help in Battle Creek, leaving mid-Michiganders with limited health care. Cases began to skyrocket in Ann Arbor at the University of Michigan (UM) among the Student Army Training Corps. A “lockdown” of sorts was enacted, banning gatherings at churches and theatres—and volunteers were recruited to nurse the sick.



Contingent of Midland men marching down Main Street before leaving for Camp Custer in 1918.

Photo Courtesy of the Midland County Historical Photograph Collection, Midland County Historical Society



Helen Dow and Billy Hale, 1916.
*Photo courtesy of the Herbert H.
 and Grace A. Dow Foundation*

William Hale, one of the founders of Midland ACS, was teaching at UM; two of his chemistry colleagues had perished from the flu by October 12th. Helen, Hale's wife and H.H. Dow's daughter, was suffering symptoms the following day, and a call was placed to Midland. Grace Dow secured a nurse and the two were driven to Ann Arbor, but they arrived on October 16th only a few hours before Helen died at age 24. Dow's other young daughters also had mild cases of flu but survived. In 1918, as in 2020, school schedules were disrupted or halted. Midland itself had 200 cases by November (1.5% of the population), but the local newspaper suggested that working with chemicals had saved many of the town's residents. Midland ACS was chartered in December 1919.

The 1918 flu was not the typical seasonal variety. The most vulnerable group were those age 15-34 (for COVID-19, persons over 50 are most at risk), and many died within 24 hours of infection. The strain of virus responsible was a new one, but unlike COVID-19, its pedigree took 80 years to determine. Virus structure information, obtained through chemical and biological analyses, is key to designing a vaccine. Two victims of the Spanish flu who died almost 4000 miles apart had important roles in this process. Of the 80 adults

living in Brevig Mission, Alaska, in November 1918, 72 died within 5 days; victims were hastily buried in a mass grave. In 1951, John Hultin, a Swedish microbiologist, obtained permission to dig through the permafrost at the gravesite, to find preserved lung tissue from which he could attempt to isolate the virus. He was successful in obtaining and preserving a sample from the remains of a young girl, but the technology of the day prevented him from successfully amplifying and studying the virus. In 1997, Hultin read a paper by Jeffery Taubenberger, whose team characterized incomplete viral genetic material from lung tissue preserved after the death of a 21-year-old serviceman at Fort Jackson, South Carolina, in 1918. After conferring with Taubenberger, Hultin headed back to the Brevig Mission gravesite and dug again for a new sample. The lung tissue he retrieved from a woman he called "Lucy" provided the material needed to establish the rest of the virus' genetic sequence. Spanish flu was found to be a strain of H1N1. In 2020, Chinese scientists shared the sequence of the COVID-19 virus with the world at the beginning of the pandemic—a speedy and uneventful effort.

The Spanish flu did not subside until the summer of 1919, after about 675,000 Americans had died (500 million worldwide). The 1918-1919 outbreak was Michigan's deadliest year, with 15,000 flu victims (equivalent to 50,000 today). The flu was so destructive that, according to the Centers for Disease Control, life expectancy in the United States decreased by about 12 years, to 36.6 years for men and 42.2 years for women, over the period 1917-1918. At this writing in 2021, there have been 4720 COVID-19 cases in Midland (5.7%) and 56 deaths attributed to the virus, even as almost 450,000 have succumbed across the United States. The overall US life expectancy impact so far in the pandemic has been 1.13 years, with the greatest decrease in Black and Hispanic populations.

We still await the departure of COVID-19. Hopefully with new and innovative therapeutics (from chemists), increasingly effective treatments and eventually multiple vaccines, the run of the virus will be much shorter than that of the Spanish flu. In the meantime, Midland ACS has remained active, offering programs for our members, and trying to assist parents, students, and educators. Video demos and Zoom seminars were

recorded for Earth Day in the spring, and K-12 virtual illustrated poem contests were conducted for both CCEW (Chemists Celebrate Earth Week) and National Chemistry Week (NCW). A free virtual STEM camp for was sponsored for 30 middle schoolers by ACS and Michigan State University in July, and all produce from the ACS garden (as well as in-kind donations) was again given to local food pantries. Socially-distanced in-person events in October 2020 celebrated NCW, and a virtual version of our Fall Scientific Meeting was held. Earth Day 2021 plans are in progress. Check our main website (www.midlandacs.org) for more information, and links to digital content.

References (all accessed January, 2021):

<https://www.ourmidland.com/news/article/Midland-History-Helen-Dow-Hale-and-the-flu-15157915.php>
<https://www.mlive.com/news/erry-2018/10/a57843a6f96442/michigans-deadliest-year-look.html>
<https://www.cdc.gov/flu/pandemic-resources/reconstruction-1918-virus.html>
<https://www.worldometers.info/coronavirus/country/us/>
<https://www.sciencedaily.com/releases/2021/01/210114163958.htm>

NOTE: An older version of this article was posted to the centennial website (www.midlandacs100.org) late last year. Please visit that site for additional items of historical information.

CMU Department of Chemistry and Biochemistry Spring 2021 Seminar Series **Ben Swarts, Associate Professor, Central Michigan University**

The Department of Chemistry and Biochemistry of Central Michigan University is pleased announce its virtual seminar series this semester with some great speakers lined up, including a couple of C&EN's Talented Twelve, Steven Townsend from Vanderbilt University and Alison Narayan from the University of Michigan. In addition, a CMU MS alum, Jennifer Shomaker, now at the University of Wisconsin, Madison, will be one of the speakers. Although the schedule is still being filled in, the table below includes the plans that are in place today.

All are welcome and encouraged to join in these virtual WebEx seminars. Just click on the following link: <http://cmich.webex.com/meet/swart1bm>. All of the seminars are scheduled for 4:00-5:00 PM on Mondays on the dates indicated below. For any questions, please contact Ben Swarts at ben.swarts@cmich.edu.

Date	Speaker	Institution	Title
2/1/2021	Prof. Steven Townsend	Vanderbilt University	TBA
2/15/2021	---	---	---
3/1/2021	---	---	---
3/15/2021	Prof. Jennifer Schomaker	University of Wisconsin Madison	TBA
3/29/2021	---	---	---
4/12/2021	Prof. Marcos Pires	University of Virginia	TBA
4/26/2021	Prof. Alison Narayan	University of Michigan	TBA

Call for ACS Fellows Program Nominees

Robbyn Prange, Chair, Midland Section ACS

The Midland Section ACS Board is seeking nominees for the 2021 [ACS Fellows Program](#) which recognizes members for outstanding achievements in and contributions to science, the profession, and the Society. If you know of a local section member that meets these criteria, please submit their name and a brief description of how they meet the criteria to Robbyn Prange (rprange@dow.com). The Board will review all nominees for the selection of a Midland Section ACS member nomination to the ACS Fellows Program (**April 1, 2021 deadline**).

Scholarships Available from Midland Area Community Foundation (Fund #399)

Gina Malczewski, Outreach, Midland Section ACS

The Midland Section ACS is once again offering two scholarships of \$1,500 each to students who apply to Fund #399 at the Midland Area Community Foundation. Officially, the fund is intended to “Provide financial support to college students seeking academic degrees in the chemical sciences at colleges and universities in the state of Michigan. The local section’s area is Midland, Bay, Saginaw, Gratiot, and Isabella Counties as of this writing, but may be expanded. Eligible students will be those majoring in a chemical science who are entering the sophomore, junior, or senior level of study, and are a high school graduate from the section’s geographical area. The requirements for receiving a scholarship will be based on academic achievement and potential for contributions to the chemical sciences.”

Applications are now being accepted through February 15, 2021. Applicants will need transcripts and recommendation letters, as well as an essay about their reasons for studying in a chemical field and their thoughts about future plans. The link to apply is <https://www.midlandfoundation.org/scholarships/>

And, yes, you CAN contribute to the scholarship fund! To do so, please go to:

<https://www.midlandfoundation.org/fund/midland-section-american-chemical-society-endowed-scholarship-fund-399/>

Considerations/recommendations for applicants: More lengthy academic records are easier to assess, so upper classmen may have an advantage. Recommendation letters should be strong and positive! Examples of “Chemical Sciences” are chemistry, biochemistry, and chemical engineering. It is advisable to “get personal” in your essay and describe your career/life goals.

If you have any questions (about applications or donations), please contact Gina Malczewski at reginamalczewski@gmail.com or Heather Cowl at the Midland Area Community Foundation.

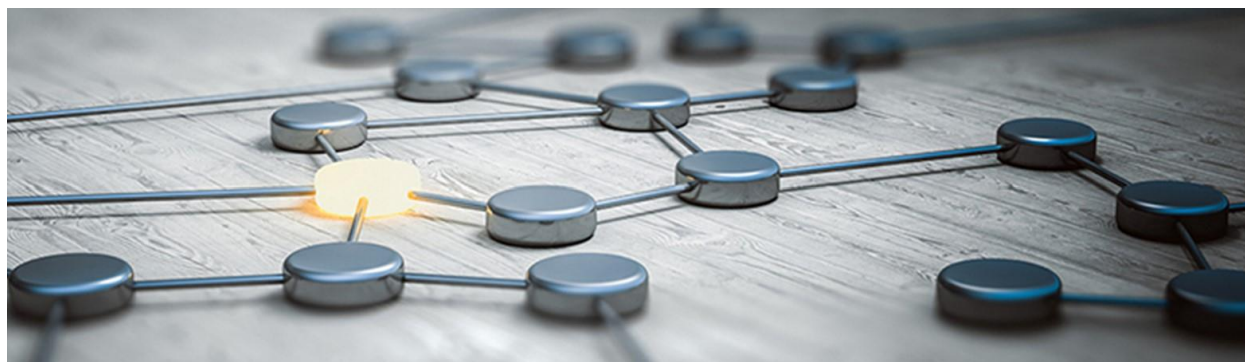
COVID Creativity: Outreach Continues

Gina Malczewski, Outreach, Midland Section ACS

For nearly a year, providing our typical ACS Outreach to the local community has been fraught with challenges. Zoom and other platforms made it easy to communicate verbally during COVID shutdown – perhaps even reaching higher numbers than usual – but children and adults alike have tired of being tied to a computer all day, and teachers have indicated their students have trouble with participation and retention. Midland ACS has recorded a number of video demos to offer families and teachers some experiments that could be mimicked with easily accessible supplies; activities with a leader, a young student, and his mom have also been filmed to show what kinds of interactions are possible.

Last fall, ACS offered hands-on programs at social-distanced masked events coordinated by Creative 360 (“Story Quest”) and the Midland Center for the Arts (“Halloween Bash”). To offer actual activities in school, some new strategies had to be considered—such as dropping off individual sets of student supplies at school for parent pick-up, or delivery to homes. (Of course, all such supplies have to be evaluated and cleared relative to safety). Once in-person school was possible, supplies could be given to teachers for distribution in the classroom, and paired with a live presentation—group work could begin again. We have employed all these protocols to try to keep science available and interesting to our area students.

To see a list of all our educational videos (and links to them), please visit the website: <http://www.midlandacs.org/videos/>. Most are 20-40 minutes. If you have questions, please contact Gina Malczewski (reginamalczewski@gmail.com). Some of these efforts are taking place under the auspices of the ACS Science Coaches program—to find out more about that, visit <https://teachchemistry.org/professional-development/science-coaches>.



Announcing the 2021 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

The date for the 30th annual American Chemical Society Midland Section Spring Awards Banquet has been set for Thursday, May 6, at the Great Hall Banquet & Convention Center in Midland, when we will, again, be recognizing outstanding educators, volunteers, and colleagues that you will have graciously taken the time to nominate.

The awards banquet is a great way to connect with others in chemistry and the related sciences. We will recognize students and those in education and industry, ... those who have gone before us, those who teach the next generation, and those who will be following in our footsteps. Please consider joining us for a night of good food and great fun! ***However, please watch this space for COVID-19 restriction updates that may impact the date and venue of the spring awards banquet event.***

The process of nominating is very easy. The minimum submission criteria for nominations are a quality nominating letter extolling the virtues of your nominee and supporting the criteria of the award, along with one supporting letter of recommendation (two letters are even better). Consider getting your colleagues together for lunch and putting together a packet. If you are in a managerial role and are worried about favoritism, consider nominating 2-3 qualified persons (you will remain anonymous, if required, and nominations are considered for three years). If you would like to be considered for an award, there is the option to self-nominate. If you are a parent, consider nominating your child's outstanding science or chemistry teacher, or a science volunteer you know.

It only takes about one hour to put together an award-winning letter and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your good deed.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations.

It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. Previous award recipients were listed in the January issue of *The Midland Chemist* ([January newsletter](#)), as nominees must not have received the award that they are being nominated for within the past 10 years. Nominations not meeting the minimum requirements, and submissions received after the March 26, 2021 deadline, will not be considered.

For those of you sequestered in labs who feel you might not be able to attend unless you nominate someone, I say save the date and come on out for a night of food, fun, and fraternization! Watch for more detailed information right here in *The Midland Chemist*!

As always, contact me if you have any questions: Diana Deese, Midland Section ACS Awards Committee Chair (dkdeese@dow.com).

Call for Nominations: 2021 Teaching, Volunteer, Education, Chemical Sciences Awards
Diana Deese, Awards Committee Chair, Midland Section ACS

Each year, the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences. Nominations for the 2021 awards are invited for the following areas:

- Outstanding Elementary Level Science Teaching
- Outstanding Middle Level Science Teaching
- Outstanding High School Chemistry Teaching
- Outstanding College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering
(Not offered this year; awarded every other year)
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students
- Team Innovation Award

Outstanding Science / Chemistry Teaching Awards

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland, and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary, Middle Level, High School, and College.

Science Education Volunteer of the Year

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

***Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering
(Not offered this year; awarded every other year)***

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Minority Affairs Committee are ineligible to receive this award.

Outstanding Achievement and Promotion of the Chemical Sciences

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member.

Outstanding Service to the American Chemical Society

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of the Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section and supporting letters from fellow ACS members.

Outstanding Chemical Technician

The Section presents an annual Outstanding Chemical Technician Award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. The nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations should include outside affiliations. *Request the National ACS nomination form from the awards chair to nominate in this category.*

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 attached to this call for nominations. One selection per school; no supporting letters are needed.

Team Innovation Award

Up to three awards per year recognizing the teams responsible for successful, commercialized product or process innovation taking place in the Midland Section area within the current or previous two calendar years. One award will be reserved for organizations with less than 300 employees. ACS membership is not required. Nominations will be judged on inventiveness, impact (economic, environmental, societal), and connection to the Great Lakes Bay Region. Work done outside the area will be considered provided that the contributions of Midland area-based team members are significant. Press releases or other public announcements are expected to be included with the nomination packets for commercialized products or processes (support letters from company leadership will be accepted in lieu of press releases). A \$60 submission fee is required for each team innovation award nomination.

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted to the Midland Section ACS Executive Committee for approval. Nominators should write a letter indicating the award and describing the attributes of the candidate.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators.

The deadline for nominations is Friday, March 26, 2021. Nominations not meeting the minimum requirements, and submissions received after the March 26 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (e-mail) submissions are preferred*. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored at the 2021 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Thursday evening, May 6, 2021.

The Awards Committee greatly appreciates the efforts involved in nominating someone, and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our local section. Please pass this information along to anyone involved in our local science programs!

Now that you realize how exciting it is to nominate someone at the local level and you want to do more, I invite you to peruse the veritable cornucopia of awards that the American Chemical Society offers at the national level. I have listed the web addresses where you can find out more information relative to each award and the criteria for nomination. Now is the time to begin nominations for National ACS awards for 2021-2022 as most annual reviews have a deadline of around November 1.

For example nominations or more detail on any award, please contact Diana Deese. *Electronic submissions are acceptable and preferred.*

Diana K. Deese, Chair, Midland Section ACS Awards Committee, Phone: (989) 636-9915, E-mail: dkdeese@dow.com or awards@midlandacs.org





American Chemical Society – Midland Section

Nomination Form for 2021 Outstanding High School / Collegiate Chemistry Student

(Note: One nominee per school, please)

Dept. Chair or other Nominator: _____

Telephone number: _____

E-mail address (required): _____

School: _____

Student's name: (Mr./Ms.) _____
(Indicate) (Please print legibly)

Home address: _____

Telephone number: _____

E-mail address (required): _____

Student's career/postgraduate plans (if known):

Please return this form to the following address no later than **March 26, 2021**:

Diana K. Deese, ACS Awards Committee Chair, Midland Section

Phone: (989) 636-9915 E-mail: dkdeese@dow.com

ACS National Awards for 2021–2022 Nomination
Diana Deese, Awards Committee Chair, Midland Section ACS

Editor's note: Several Midland Section ACS members have received various National ACS awards over the years. Please see their names, as noted, below.

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)

[ACS Award for Affordable Green Chemistry](#)

2012 William J. Kruper

[ACS Award for Computers in Chemical and Pharmaceutical Research](#)

[ACS Award for Creative Advances in Environmental Science and Technology](#)

1986 Eugene E. Kenaga

[ACS Award for Creative Invention](#)

1984 Edwin P. Plueddemann

[ACS Award for Creative Research and Applications of Iodine Chemistry](#)

[ACS Award for Creative Work in Fluorine Chemistry](#)

[ACS Award for Creative Work in Synthetic Organic Chemistry](#)

[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)

[ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences](#)

[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)

[ACS Award for Research at an Undergraduate Institution](#)

[ACS Award for Team Innovation](#)

2015 Ryan Gaston, James R. Keenihan, Abhijit A. Namjoshi, Stephen Pisklak, Jason A. Reese

2017 Robert A. DeVries, Philip Garrou, Carol E. Mohler, Theodore M. Stokich, Jr., Eric S. Moyer

[ACS Award in Analytical Chemistry](#)

[ACS Award in Applied Polymer Science](#)

1970 Raymond F. Boyer

[ACS Award in Chromatography](#)

1991 Hamish Small

[ACS Award in Colloid Chemistry](#)

[ACS Award in Industrial Chemistry](#)

[ACS Award in Inorganic Chemistry](#)

[ACS Award in Organometallic Chemistry](#)

[ACS Award in Polymer Chemistry](#)

1973 Turner Alfrey, Jr.

[ACS Award in Pure Chemistry](#)

[ACS Award in Separations Science and Technology](#)

[ACS Award in Surface Chemistry](#)

[ACS Award in the Chemistry of Materials](#)

[ACS Award in Theoretical Chemistry](#)

[Award for Volunteer Service to the American Chemical Society](#)

[Roger Adams Award in Organic Chemistry](#)

[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)

[Earle B. Barnes Award for Leadership in Chemical Research Management](#)

1987 Malcolm E. Pruitt

2009 Gregg A. Zank

2014 William F. Banholzer

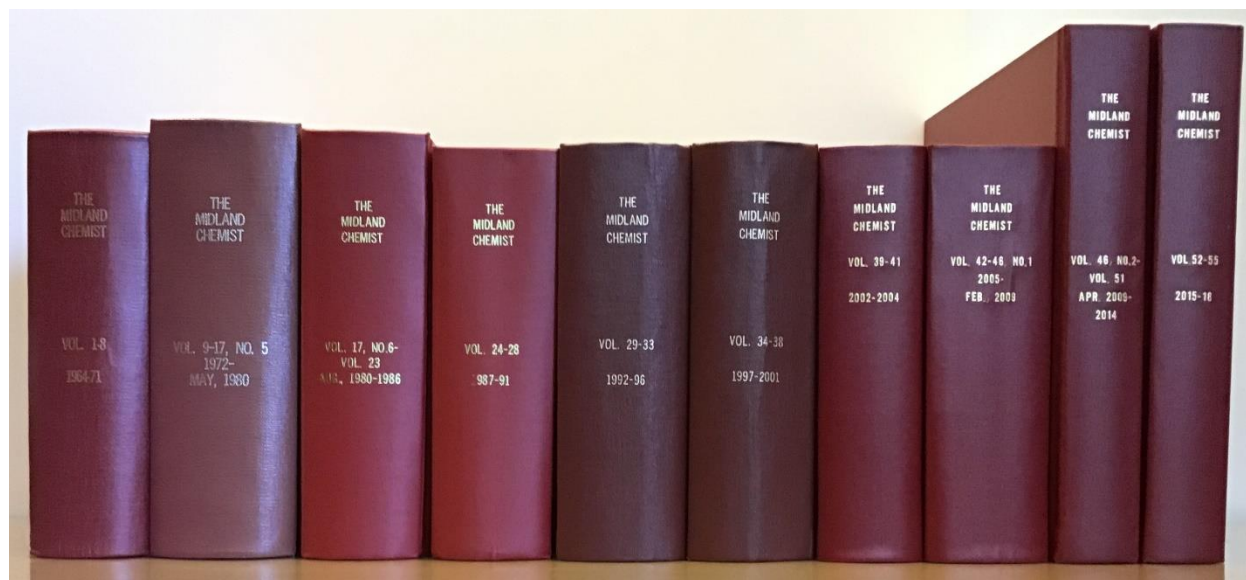
[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)
[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)
[Alfred Burger Award in Medicinal Chemistry](#)
[James Bryant Conant Award in High School Chemistry Teaching](#)
[Arthur C. Cope Award](#)
[Arthur C. Cope Scholar Awards](#)
[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)
[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)
[Peter Debye Award in Physical Chemistry](#)
[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)
[Francis P. Garvan - John M. Olin Medal](#)
[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)
[Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)
[Ernest Guenther Award in the Chemistry of Natural Products](#)
[Kathryn C. Hach Award for Entrepreneurial Success](#)
[M. Frederick Hawthorne Award in Main Group Inorganic Chemistry](#)
[E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances](#)
[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)
[Ralph F. Hirschmann Award in Peptide Chemistry](#)
[Ipatieff Prize](#)
[Frederic Stanley Kipping Award in Silicon Chemistry](#)
1990 John L. Speier, Jr.
[Irving Langmuir Award in Chemical Physics](#)
[Josef Michl ACS Award in Photochemistry](#)
[E. V. Murphree Award in Industrial and Engineering Chemistry](#)
[Nakanishi Prize](#)
[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)
[James Flack Norris Award in Physical Organic Chemistry](#)
[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)
[Charles Lathrop Parsons Award](#)
[George C. Pimentel Award in Chemical Education](#)
[Priestley Medal](#)
[Glenn T. Seaborg Award for Nuclear Chemistry](#)
[Gabor A. Somorjai Award for Creative Research in Catalysis](#)
[George and Christine Sosnovsky Award for Cancer Research](#)
[Henry H. Storch Award in Energy Chemistry](#)
[E. Bright Wilson Award in Spectroscopy](#)
[Ahmed Zewail Award in Ultrafast Science and Technology](#)

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at <http://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>

The full list of National ACS awards by title can be found at <https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic.html>

In Past Issues of *The Midland Chemist*

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



From these volumes . . .

50 Years Ago, *The Midland Chemist* 1971, 8, No. 2, 10.

In *Aquonaut Named Chairman of CMU Chem. Dept.*: “Dr. Paul D. Cratin, formerly of the Univ. Of Miami (Fla.) and an aquanaut-scientist with the underwater research missions on the Tekite II program has been appointed chairman of the Central Michigan University Chemistry Department. He succeeds Dr. Malcolm Filson who has resigned the position he has held since 1955 to devote full time to teaching.”

40 Years Ago, *The Midland Chemist* 1981, 18, No. 2, 4.

In *Award Winners Send ‘Valentines’ to Science* by Susan I. F. Weitz: ““I found my heart’s delight in a scientific career” said Daniel R. Stull, who played an important role in getting U.S. rockets aloft before retiring from the Dow Chemical Company in 1976. Stull also sends valentines to “my wife of 44 years,” whom he married in his last year of a doctorate program at John Hopkins University, and to Dow.

Currently an alternate councilor, Stull is the winner of the 1980 Midland Section Award for outstanding achievement and promotion in the chemical sciences, presented annually to a member in the Section’s geographic area.

The winner of the outstanding high school chemistry teaching award said, “I’m in love with teaching chemistry.” Mrs. Margaret Deibel tried teaching math, but she did not enjoy it. A chemistry instructor at Mount Pleasant High School for the past 21 years, Mrs. Deibel said she loves “the caliber of chemistry students and the great subject matter.”

Both awards were presented as part of the 1980 Fall Scientific Meeting.”

30 Years Ago, *The Midland Chemist* 1991, 28, No. 1, 5.

In *Farewell from the Past Chairperson* by Bill Pike: “Throughout the past year, I have written about personal commitment to your chosen chemical profession. I strongly feel that one of the best ways to do this is through your voluntary involvement in local Section activities. I believe that your Section is a strong, vibrant section

that will continue to grow under the leadership of Pete Dreyfuss and the officers you have elected. Again, I thank you for the enjoyable opportunity to work with you and to serve the Section as Chairman in 1990.”

20 Years Ago, *The Midland Chemist* 2001, 38, No. 1, 7.

In *U.S. Stamps 2001: An Elemental Idea* by Tina Leaym: “How does a chemist spell “chocolate”? Well, if you’re from the Midland Section, it’s “CHOCOLaTe.” That’s Carbon + Hydrogen + Oxygen + Cobalt + Lanthanum + Tellurium. And the best part is, this unusual concoction is not synthetically challenging. No expensive chemicals or apparatus required, just some US postage stamps. If “CHOCOLaTe” doesn’t do it for you, try “Mo’ MoNeY” or “FUN WITH BeEr.”

This elemental idea is being proposed to the Citizen’s Stamp Advisory Committee by our Project Science Literacy committee, together with the Midland Sections of AIChE (American Institute of Chemical Engineers) and SPE (Society of Plastics Engineers). The Stamp Advisory Committee is responsible for recommending new stamps to the U.S. Postal Service.”

10 Years Ago, *The Midland Chemist* 2011, 48, No. 1, 3.

In *An Idea and a Name Become a Business* by David Baker, MC Staff Writer: “Savant, Inc. is an independent research and development company working in the advancement of lubrication technology. The company was started in Midland, Michigan by its present Research and Development director, Theodore Selby, and is still based here. How Ted conceived and developed the company can be traced back to the early 1960s. ...

His new office was opened in 1971 under the name of Saginaw Valley Institute of Materials Engineering. The name was chosen to give the acronym ‘Savant’ (Saginaw Valley Institute), a French word which means ‘wise friend,’ and seemed appropriate for a scientifically-based consulting company.”

Upcoming Dates, Events, and Other Updates

- February 1 (4:00 – 5:00 PM) – CMU Spring 2021 Virtual Seminar Series, featuring Prof. Steven Townsend from Vanderbilt University. All are welcome and encouraged to join in this virtual WebEx seminar. Just click on the following link: <http://cmich.webex.com/meet/swart1bm>. For any questions, please contact Ben Swarts at ben.swarts@cmich.edu.
- February 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - February 2021](#), phone number: 989-633-1166.
- February 9 (8:00 – 9:00 AM) – ACS Celebrates the International Global Women’s Panel Discussion & Networking Event. Breakfast Panel: Empowering Diversity in Academia. See flyer on page 5 of this newsletter for details and to register.
- February 9 (12:00 – 1:00 PM) – ACS Celebrates the International Global Women’s Panel Discussion & Networking Event. Lunch Panel: Empowering Diversity in Industry. See flyer on page 5 of this newsletter for details and to register.
- February 9 (4:00 – 5:00 PM) – ACS Celebrates the International Global Women’s Panel Discussion & Networking Event. STEM Happy Hour: Empowering Diversity in Professional Societies. See flyer on page 5 of this newsletter for details and to register.
- February 15 – **Deadline for applications for Midland Section ACS scholarships** available through the Midland Area Community Foundation (Fund #399). For any questions, please contact Gina Malczewski at reginamalczewski@gmail.com or Heather Crowl at the Midland Area Community Foundation.

- March 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - March 2021](#), phone number: 989-633-1166.
- March 3 (7:00 – 8:30 PM) – MSU St. Andrews Family Astronomy Night. Free virtual event via Zoom. Watch for more event details and Zoom information coming soon. For more information, please visit <https://standrews.msu.edu/family-astronomy-night/>.
- March 15 (4:00 – 5:00 PM) – CMU Spring 2021 Virtual Seminar Series, featuring CMU MS alum Prof. Jennifer Shomaker from the University of Wisconsin, Madison. All are welcome and encouraged to join in this virtual WebEx seminar. Just click on the following link: <http://cmich.webex.com/meet/swart1bm>. For any questions, please contact Ben Swarts at ben.swarts@cmich.edu.
- March 26 – **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 5 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - April 2021](#), phone number: 989-633-1166.
- April 5-16, 2021 (**Save the Date**) – Spring 2021 National ACS Meeting & Exposition (**Virtual only event**). Meeting theme – *Macromolecular Chemistry: The Second Century*. For more information, please see <https://www.acs.org/content/acs/en/meetings/acs-meetings.html>.
- April 12 (4:00 – 5:00 PM) – CMU Spring 2021 Virtual Seminar Series, featuring Prof. Marcos Pires from the University of Virginia. All are welcome and encouraged to join in this virtual WebEx seminar. Just click on the following link: <http://cmich.webex.com/meet/swart1bm>. For any questions, please contact Ben Swarts at ben.swarts@cmich.edu.
- April 26 (4:00 – 5:00 PM) – CMU Spring 2021 Virtual Seminar Series, featuring Prof. Alison Narayan from the University of Michigan. All are welcome and encouraged to join in this virtual WebEx seminar. Just click on the following link: <http://cmich.webex.com/meet/swart1bm>. For any questions, please contact Ben Swarts at ben.swarts@cmich.edu.
- May 3 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - May 2021](#), phone number: 989-633-1166.
- May 6 (**Save the Date, Evening Program**) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- May/June 2021 (**Dates TBD**) – 2020 ACS Central Regional Meeting, Columbus, OH. Note: CERM 2020 was postponed and will potentially take place in May or June 2021. The dates are still to be determined. For more information, please see https://cerm2020.org/?sc=200226_mtg_em_regional_CERM_od.
- June 6-9, 2021 (**Save the Date**) – 2021 ACS Great Lakes Regional Meeting (GLRM), Minneapolis, MN. For more information, please see <https://www.acs.org/content/acs/en/meetings/regional/great-lakes.html>.
- June 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - June 2021](#), phone number: 989-633-1166.
- August 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - August 2021](#), phone number: 989-633-1166.

- August 22-26, 2021 (**Save the Date**) – Fall 2021 National ACS Meeting & Exposition (**Atlanta, GA and Online**). Meeting theme – *Resilience of Chemistry*. For more information, please see <https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html>.
- September 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - September 2021](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**
- October 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - October 2021](#), phone number: 989-633-1166.
- November 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - November 2021](#), phone number: 989-633-1166.
- December 6 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - December 2021](#), phone number: 989-633-1166.

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