

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Chair Column

Amanda Palumbo, Chair, Midland Section ACS



This will be a most exciting year for the Midland Section of the American Chemical Society as we celebrate our section's 100th year anniversary, host the 50th Central Regional Meeting, and continue to provide excellent programming and events to the Great Lakes Bay Region and beyond!

Reflecting on 2018, our **575+ members** invested in our community and reached **thousands** through outreach events and technical and educational programming. The best and brightest of our community were recognized for their achievements in the chemical sciences, including **35 high school and college students** for their outstanding performance in the classroom, **nine high school students** for their participation in the National Chemistry Olympiad exam, and **three passionate teachers** of science and chemistry. Our section was honored by the National ACS with **six ChemLuminary Awards**, including **Best Event or Activity** Organized by, or Benefiting, the Applied Chemical

Technology Professional Community for the 4th year in a row and **Outstanding Section** in the medium size category for the 6th year in a row.

Members of our local section were also recognized nationally: **Susan Butts** was named an ACS fellow for her outstanding achievements in and contributions to science, the profession, and the Society; **Michelle Rivard** was recognized as the 2018 National Outstanding Chemical Technician; **Beata Kilos-Reaume** was named an ACS Early Career Fellow of the Industrial & Engineering Chemistry Division; **Thomas Lane** was awarded the Henry F. Whalen Award for Excellence in Business Development & Management in a Chemical Enterprise; and **Michael Tulchinsky** was named an ACS Local Section Outreach Volunteer. We have much to be proud of and so much to look forward to in the coming year.

Stay connected with us by following us on [Facebook](#), reading [The Midland Chemist](#) monthly newsletter, and visiting <http://www.MidlandACS.org>. Join us on June 4-8 for the [2019 ACS Central Regional Meeting](#), “Molecules to Materials”, featuring technical programming, educational initiatives, and community outreach. Visit our [Centennial Exhibit](#) which celebrates a century of science and service of our great Midland ACS Section at the Herbert D. Doan History Center from May through December 2019.

Thank you so much to our sponsors, volunteers, and members, and for your commitment to improve people’s lives through the transformational power of chemistry.

Final Call for Nominations for 2019 ACS Fellows Program

Diana Deese, Chair, Midland Section ACS Awards Committee

“... a fellow is a member of a group of learned people who work together as peers in the pursuit of mutual knowledge or practice ...” Wikipedia

As Chair of the Midland Section ACS Awards committee, I would like to make everyone aware of the 2019 ACS Fellows Program.

ACS Fellows Designation and Program Purpose

Although the “Fellow” designation has been adopted by many professional societies, the criteria for awarding this designation vary significantly from society to society. The ACS Fellows Program uniquely recognizes a different standard of achievement and service. Specifically, the Fellow of the American Chemical Society (ACSF) designation is awarded to a member who, in some capacity, has made exceptional contributions to the science or profession **and** has provided excellent volunteer service to the ACS community.

The purpose of the ACS Fellows Program, one component of the broader ACS Awards Program, is to recognize and honor members of the American Chemical Society for their outstanding achievements in and contributions to the science and the profession **and** for their equally exemplary service to the Society.

Nominees

1. Nominees for ACS Fellows must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be nominees.

3. Former members or deceased members will not be considered as nominees for ACS Fellows. However, if a member dies after his/her name is submitted as a nominee and if that candidate is selected, he/she will be granted the Fellow designation posthumously.
4. Nominees, in past and present circumstances, are expected to employ and require good safety protocols and practices in their laboratories and/or work environments; uphold the highest ethical standards in their laboratories and/or work environments; and otherwise adhere to the Chemical Professional's Code of Conduct. Nominators must address this in the online nomination form.
5. Nomination for other awards, including national, regional, or local ACS awards, does not disqualify a member from being nominated for ACS Fellow.

Nominators

1. Primary and secondary nominators must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be primary or secondary nominators.
3. The primary nominator must be eligible to submit as an individual member or on behalf of a Committee, Local Section, or Technical Division. Refer to the Nomination Types section for specific eligibility requirements for primary nominators.
4. No more than one of the nominators (primary or secondary) may be from the same work group at the nominee's primary place of employment. If the nominee is retired, only one nominator (primary or secondary) may be from the nominee's last place of employment prior to retirement.
5. Refer to the Nomination Types section for guidelines about serving as a nominator for more than one nomination.

For more information, see <https://www.acs.org/content/acs/en/funding-and-awards/fellows.html>

The Midland Section of the ACS is allowed two (2) nominations for ACS Fellow per year. If you know of someone who fits the criteria, or if you would like to nominate yourself, and would like to work with me to put together a nomination package, please contact me at dkdeese@dow.com.

As the deadline for National ACS Fellow nomination submissions is around the first of April, I need to have packets completed and sent back to me by February 1, 2019.

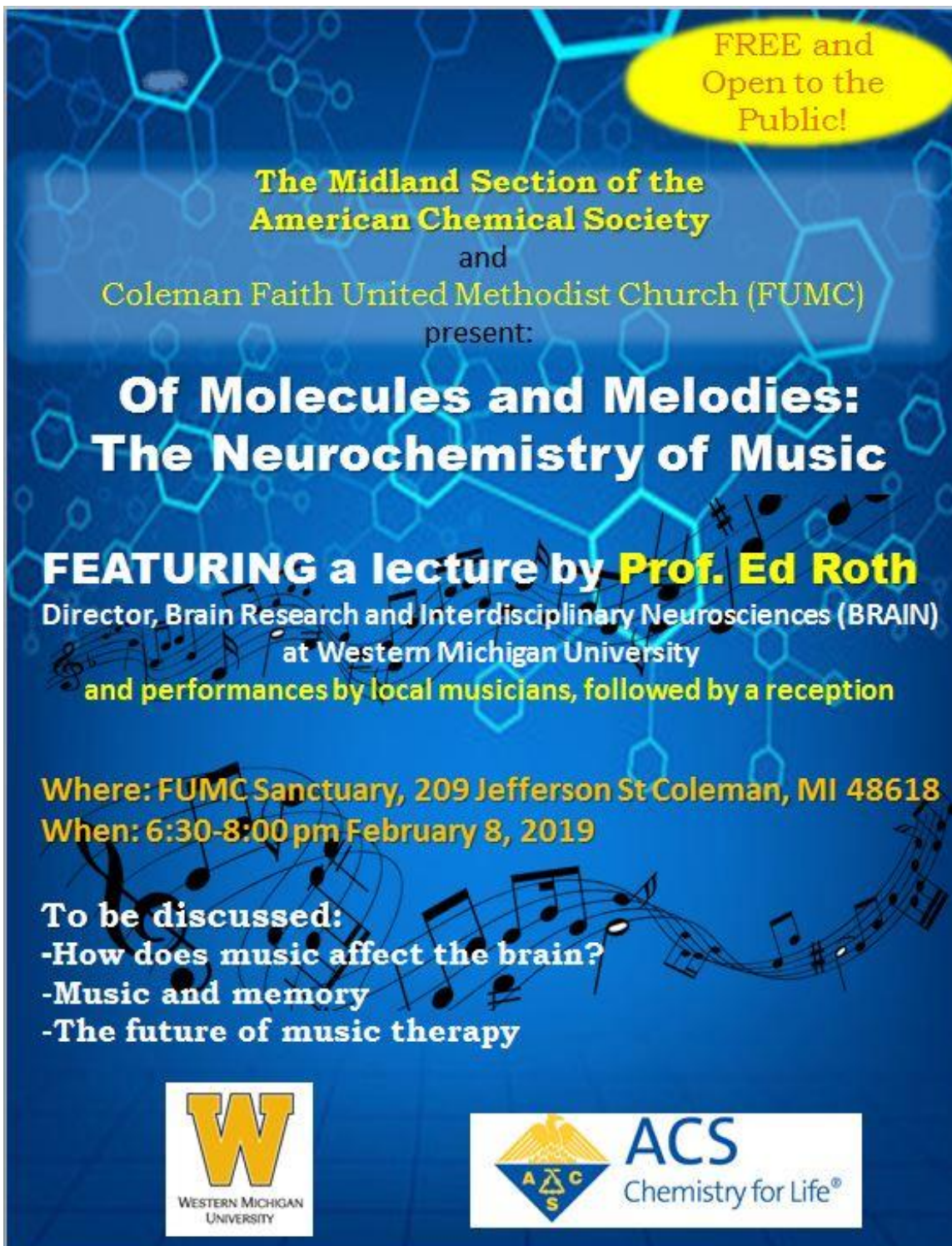
Countdown to 2019: Your Story Can Be a Part of the Centennial Exhibit

Gina Malczewski, Chair, 2019 Centennial Committee, Midland Section ACS

As we collect information to share in the Midland Section ACS Centennial exhibit, one of our focus areas is inter-scientist communication. Patents, books, and journal articles are an important part of this. Collecting 100 years of contributions made by Midland Section members is a daunting task, so we are asking you to share your own story. If you are or have been an ACS member, please tell us about any books or patents to which you have contributed (patent type and number designation and any other information is helpful). We also are interested in your bibliography. You can send data for a relative as well (just make sure that you identify him or her).

Please send your material to reginamalczewski@gmail.com and we will do our best to collectively celebrate all of the knowledge that Midland Section ACS members have shared with the world. Thank you.

Of Molecules and Melodies: The Neurochemistry of Music, February 8
Gina Malczewski, Director, Midland Section ACS



FREE and Open to the Public!



The Midland Section of the American Chemical Society
and
Coleman Faith United Methodist Church (FUMC)
present:

**Of Molecules and Melodies:
The Neurochemistry of Music**

FEATURING a lecture by Prof. Ed Roth
Director, Brain Research and Interdisciplinary Neurosciences (BRAIN)
at Western Michigan University
and performances by local musicians, followed by a reception

Where: FUMC Sanctuary, 209 Jefferson St Coleman, MI 48618
When: 6:30-8:00 pm February 8, 2019

To be discussed:
-How does music affect the brain?
-Music and memory
-The future of music therapy



Announcing the 2019 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

Welcome to the start of a brand new year, everyone! In less than four short months, we will, again, be recognizing outstanding educators, volunteers, and colleagues that you will have graciously taken the time to nominate. 2019 is a momentous occasion as the Midland Section ACS will celebrate its 100th year. We hope to have some special commemorative items for the award recipients. I would encourage you to check out all the special events that the Midland Section is hosting this year.

Mark your calendars for Wednesday evening, April 24, 2019 to attend the 28th annual American Chemical Society-Midland Section Spring Awards Banquet at the Great Hall Banquet & Convention Center in Midland. The awards banquet is a great way to connect with others in the 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! To celebrate our section's centennial, my goal is to have a representative outstanding student from each of the high schools our area represents and to have a nominee for each award offered this year. I am counting on you to help make this happen as I know we have very deserving people in every category!

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 you feel you deserve an award but everyone is just too busy to notice, consider leaving suggestions or have an outright discussion with your manager. If you are a parent: Does your child have a great science teacher? If so, consider nominating him/her.

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. I have listed previous award recipients at the end of this article.

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 include a publications and patent list where applicable and additional letters of support which can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. 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 22, 2019 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: 2019 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 2019 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
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students

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

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.*

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 include 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 22, 2019. Nominations not meeting the minimum requirements, and submissions received after the March 22 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.

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.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored at the 2019 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, April 24, 2019.

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 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 2019-2020 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 2019 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 22, 2019**:

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

Previous Recipients of Midland Section ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopac
1996	Mark Hackbarth
1997	Denise Koppleberger, Cheryl Ruthig
1998	Barbara McGivern
1999	John Clark
2000	Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen
2001	Cathy Egerer, Amy Hindbaugh-Marr
2002	Maureen Becker
2003	Leon Katzinger
2004	Joan Roels
2005	Curt Moses
2006	Robin Allen
2007	Diane Huckins
2008	Rachel Pappas
2009	No Recipient
2010	No Recipient
2011	Beth Quimby
2012	No Recipient
2013	No Recipient
2014	No Recipient
2015	Molly Kelsey
2016	No Recipient
2017	Rebecca Field
2018	Suzanne Billette

Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson
2013	John Barnes
2014	No Recipient
2015	Mark Hackbarth
2016	No Recipient
2017	Allison Vandriessche
2018	No Recipient

High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow
2013	Tom Short, Sarah Beery
2014	No Recipient
2015	Jeff Yoder
2016	Lisa Parsons
2017	Kenneth Quackenbush
2018	Jason Brown

College Chemistry Teaching

1989	Joan Sabourin	2001	Sandra Smith	2013	No Recipient
1990	Bob Howell	2002	Margaret Hill	2014	David Baker
1991	Robert Kohrman	2003	Dale Meier	2015	Estelle Lebeau
1992	Scott Hill	2004	Katherine Blystone	2016	Angela McGuirk
1993	Ajit Sharma	2005	Ronald Sharp	2017	Joel & Nancy Dopke
1994	Laura Vosejpka	2006	Arthur G. Smith	2018	No Recipient
1995	George Eastland	2007	Cynthia N. Peck		
1996	Martin Spartz	2008	No Recipient		
1997	Philip Squattrito	2009	No Recipient		
1998	Thomas Delia	2010	Anton Jenson		
1999	Steven E. Keinath	2011	No Recipient		
2000	James Hutchison	2012	David S. Karpovich		

Science Education Volunteer

1992	Gregg Young	2002	Joan McMahon	2012	Estelle Lebeau
1993	Peter Bonk	2003	John Blizzard	2013	No Recipient
1994	Peter Moehs	2004	Jan Zanyk	2014	Charles Nielsen
1995	Gretchen Kohl	2005	Eldon Graham	2015	Gina Malczewski
1996	John Blizzard, Richard Van Effen	2006	Tom Chamberlin	2016	Dennis Klipa
1997	Marvin Tegen	2007	Teri Bickmore, Cal Goeders	2017	Nalayini Kogulan
1998	Carlton Beyer	2008	Tim Drier	2018	Wendell Dilling
1999	William Albe	2009	Dave Stickles		
2000	Karol Childs	2010	Lisa Thackery		
2001	Donald Petersen	2011	Charles & Barbara Roth		

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering

(Awarded every other year)

2002	George Gant, Richard Stringfield	2008	Sandra Parker	2014	Victor Atiemo-Obeng
2004	Smallwood Holoman, Jr.	2010	Theophilus Leapheart	2016	Roland Wallace
2006	Joan Sabourin	2012	Linneaus Dorman		

Outstanding Chemical Technician

1997	Connie J. Murphy	2005	Bill Rievert	2013	No Recipient
1998	David Stickles	2006	Margo McIvor	2014	Jeff Seifferly
1999	Ronald L. Good	2007	Debbie Bailey	2015	Brian Scherzer
2000	Kurt A. Bell	2008	Sue Perz	2016	Dana Fuerst
2001	Gordon R. Roof	2009	Diana Deese	2017	Stephanie Hughes
2002	Cynthia J. Gould	2010	No Recipient	2018	Joseph Harris
2003	Robert Krystosek	2011	Amy Tesolin-Gee		
2004	Sherry Allen	2012	Amber Wallace		

Outstanding Achievement and Promotion of the Chemical Sciences

1976	Dr. Turner Alfrey, Jr.	1992	Dr. Donald A. Tomalia	2008	Dr. Jack Kruper
1977	Dr. Etcyl H. Blair	1993	Dr. Dale J. Meier	2009	No Recipient
1978	Dr. David C. Young	1994	Dr. Philip T. Delassus	2010	No Recipient
1979	Dr. Vernon A. Stenger	1995	Dr. Duane B. Priddy	2011	Dr. James Falender
1980	Dr. Daniel R. Stull	1996	Dr. Hans G. Elias	2012	No Recipient
1981	Dr. Bob A. Howell	1997	Dr. Ludo K. Frevel	2013	No Recipient
1982	Dr. Wendell L. Dilling	1998	Dr. Patrick B. Smith	2014	No Recipient
1983	Dr. Donald R. Weyenberg	1999	Dr. David E. Henton	2015	Dr. James Tonge
1984	Dr. Edwin P. Plueddemann	2000	Dr. Steven J. Martin	2016	Dr. Ronda L. Grosse
1985	Dr. Raymond P. Boyer	2001	Dr. Edwin C. Steiner	2017	Dr. Mike Ferritto
1986	Stanley P. Klesney	2002	Dr. Thomas J. Delia	2018	No Recipient
1987	Dr. Warren B. Crummett	2003	Dr. Robert M. Nowak		
1988	Dr. A. Lee Smith	2004	Herbert D. (Ted) Doan		
1989	Dr. Do Ik Lee	2005	Dr. Michael J. Owen		
1990	Dr. Joseph E. Dunbar	2006	Dr. Robert E. Kohrman		
1991	Dr. Thomas H. Lane	2007	Dr. Petar R. Dvornic		

Outstanding Service to the American Chemical Society

1989	Dr. David C. Young	2000	Dr. Peter & Dr. Patricia Dreyfuss	2011	No Recipient
1990	Dr. Linneaus C. Dorman	2001	Dr. George W. Eastland, Jr.	2012	No Recipient
1991	Dr. Donald R. Petersen	2002	Joan Sabourin	2013	No Recipient
1992	Dr. Wendell L. Dilling	2003	John Blizzard	2014	No Recipient
1993	Dr. Bob A. Howell	2004	Dr. Steven E. Keinath	2015	Amy Tesolin-Gee
1994	Eldon L. Graham	2005	Ann Birch	2016	Dr. Bob A. Howell
1995	Gretchen S. Kohl	2006	Dr. Philip Squattrito	2017	Diana Deese
1996	Fran K. Voci	2007	David L. Stickles	2018	Dr. Regina Malczewski
1997	Dr. Thomas H. Lane	2008	Connie Murphy		
1998	Vicky S. Cobb	2009	No Recipient		
1999	Dr. Theodore E. Tabor	2010	No Recipient		

Additional, Special Awards

2016	Corporate Leadership Award	Andrew N. Liveris	Dow Chemical Company
2017	Special Recognition (Kaliapparatt)	Steven E. Keinath	Michigan Molecular Institute (retired)
2018	Special Recognition (Through a Different Lens)	Thomas H. Lane	Dow Corning Corporation (retired)

Midland Section ACS Salutes to Excellence Awards

2001	Thomas Lane
2005	Water Warriors (Ogemaw Heights High School), Eldon L. Graham, Chris Powley, Debra Green, Anne DeBoer, Richard Anderson, Max Bottomley, Harold Moll, Russel Tree, Jr.
2006	Norman Delisle, John Safranski, Jr., Richard Anderson, Max Bottomley
2008	Harold Moll, Russel Tree, Jr., Norman Delisle, John Safranski, Jr.
2009	Saginaw Spirit Hockey Club, Bob Moyer, Nancy Vossen, Vicki Behe, Steve Gribble
2010	Linda K. Dielman
2013	David Allan
2015	Sue Perz, Anatoliy Sokolov, Jaime Curtis-Fisk, Aaron Gaertner
2016	Dow Corning Corporation, Cassie Phaner, Wendy Flory, Gretchen Kohl, Diana Deese
2017	Mike Garlick (Dr. Slime), Michael Tulchinsky, Adrienne Cole, Brian Brutyn, Sean V. Murray
2018	Dorian Phelps, John Blizzard, Tim Drier, Art Ferruzzi

ACS National Awards for 2019–2020 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](#)

[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>

Midland Section Recipients of National, Division, and Regional ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

[National ACS Fellows](#)

2010	Wendell L. Dilling, Michael J. Owen
2011	Bob A. Howell, Thomas H. Lane, Connie J. Murphy
2013	Patrick B. Smith
2014	Janet M. Smith
2015	Gretchen S. Kohl
2016	Joan M. Sabourin
2017	Mark E. Jones
2018	Susan Beda Butts

[National ACS Heroes of Chemistry](#)

1999	Etcyl Blair, Ray Rigterink, Art Sexton
2000	L.C. Rubens
2015	David Devore, David Neithamer, Peter Nickias, Jasson Patton, James Stevens, David Wilson
2017	James Bohling, Stan Brownell

National ACS Helen M. Free Award for Public Outreach

2015 Regina Malczewski

National ACS Local Section Outreach Volunteer of the Year Award

2014 Regina M. Malczewski
2015 Michelle L. Rivard
2016 Dave Stickles
2017 Diana Deese
2018 Michael Tulchinsky

National ACS Women Chemists Committee (WCC) Rising Star Award

2015 Jaime Curtis-Fisk
2017 Beata A. Kilos

ACS Division of Business Development and Management Henry F. Whalen, Jr. Award for Excellence in Business Development and Management in the Chemical Enterprise

2018 Thomas Lane

ACS Division of Chemical Technicians National Chemical Technician Award

2000 David L. Stickles
2001 Susan Youngs
2006 Robert Krystosek
2007 Margo McIver
2008 Janet Smith
2014 Diana Deese
2015 Jeff Seifferly
2018 Michelle Rivard

ACS Division of Industrial & Engineering Chemistry Applied Chemical Technology (ACT) Award

2014 Janet M. Smith
2017 Michelle Cummings

ACS Division of Industrial & Engineering Chemistry Early Career Fellow Award

2018 Beata Kilos

ACS Division of Professional Relations Henry Hill Award

2016 Thomas Lane

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

2016 Thomas Lane (CERM, Covington, KY)

E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society

2013 Bob Howell (CERM, Mount Pleasant, MI)
2014 Patrick B. Smith (CERM, Pittsburgh, PA)

Shirley B. Radding Award – Santa Clara Valley Local Section

2015 Connie Murphy

Seventy-Four Years of Midland Section ACS Spring and Fall Scientific Meetings, 1945-2018

Wendell L. Dilling, Midland Section ACS Historian

For 74 years, the Midland Section has sponsored an outstanding annual meeting, the Fall Scientific Meeting (FSM). Originating in 1945, the 75th meeting is scheduled for the Section's centennial year, 2019. The longevity of this meeting attests to the value ACS members have placed in this meeting. Highlights of the history of this meeting were reported in its 50th year in *The Midland Chemist*, **1994**, 31, No. 6 (Sept. 23), 11-18 (see also <http://www.midlandacs.org/scientific-meetings/>).

The Midland Section ACS will celebrate a milestone in 2019 when it will host the 75th FSM. These meetings have had a varied and interesting history. Early scientific meetings were organized by scientists at The Dow Chemical Company and Dow Corning Corporation and were attended chiefly by employees of those companies.

More recent ACS FSM's have been organized and attended by college faculty, high school teachers, students, scientists, and other people from a variety of organizations such as Central Michigan University, Saginaw Valley State University, Alma College, Delta College, and Michigan Molecular Institute, in addition to Dow and Dow Corning. Meetings in the past 30 to 40 years also have attracted scientists and students from outside of the Midland Section area such as Michigan State University, the University of Michigan, and Michigan Technological University.

These meetings have been held annually since 1945 except during 1974 when the meeting was cancelled because of a labor strike at Dow. As noted below, an extra meeting was held in 1962. Thus, the 75th meeting will be held in the 75th year. The numbering system for the meetings was first used in 1952 with the 8th Meeting. The complete list of meetings, their locations, and general chairperson(s) are shown in Table 1.

Table 1. Dates, Locations, and General Chairperson(s) of Midland Section ACS Spring and Fall Scientific Meetings (1945-2018).

Meeting Number	Date	Location	General Chairperson(s)
1*	5-5-1945	Dow Chemical Company	K.D. Gordon Clack
Meeting in Miniature	9-15-1945	Dow Chemical Company	Lester J. Dankert
2*	5-18-1946	Dow Chemical Company	Julius E. Johnson, Jr.
3*	3-29-1947	Dow Chemical Company	Stevens S. Drake
4*	4-3-1948	Dow Chemical Company	Walter A. Henson
5*	4-23-1949	Dow Chemical Company	O. Ray McIntire
6	3-18-1950	Dow Chemical Company	William H. Beamer
7	4-21-1951	Dow Chemical Company	William C. Bauman
8	4-19-1952	Dow Chemical Company	Harold H. Roth
9	4-18-1953	Dow Chemical Company	Les J. Tyler
10	4-10-1954	Dow Chemical Company	Ray Duddleston
11	4-16-1955	Dow Chemical Company	Robert S. Busk
12	4-7-1956	Dow Corning Corporation	Paul V. Greenfield
13	5-4-1957	Dow Corning Corporation	John W. Vanderhoff
14	4-19-1958	Dow Corning Corporation	Robert W. Lenz

15	5-2-1959	Dow Corning Corporation	Jim J. Leddy
16	5-7-1960	Dow Chemical Company	Carleton W. Roberts
17	5-13-1961	Dow Chemical Company	Al K. Prince
18*	5-12-1962	Dow Chemical Company	Robert L. Johnson
19	12-8-1962	Delta College	John W. Pankey
20	11-9-1963	Central Intermediate School	Victor E. Meyer
21	11-7-1964	Central Intermediate School	Donald R. Weyenberg
22	10-30-1965	Central Intermediate School	Robert H. Lyons
23	11-5-1966	Central Intermediate School	Jim W. Leenhouts
24	11-4-1967	Central Intermediate School	Bart J. Bremmer
25	11-9-1968	Central Intermediate School	L. Victor Luoma
26	11-8-1969	H.H. Dow High School	John B. Moran
27	10-24-1970	H.H. Dow High School	John A. Schneider
28	10-30-1971	H.H. Dow High School	Ben A. Tefertiller, Jr.
29	11-11-1972	H.H. Dow High School	Steven M. Pulver
30	11-3-1973	H.H. Dow High School	William E. Broxterman
31	11-8-1975	H.H. Dow High School	Neal R. Langley
32	10-30-1976	H.H. Dow High School	Bob LaBarge
33	10-29-1977	H.H. Dow High School	Theodore E. Tabor
34	11-4-1978	H.H. Dow High School	Wendell L. Dilling
35	11-3-1979	H.H. Dow High School	Paula B. Moses
36	11-1-1980	H.H. Dow High School	James W. Edmonds
37	11-7-1981	H.H. Dow High School	Stephen H. Erickson
38	10-30-1982	H.H. Dow High School	Nile N. Frawley
39	10-29-1983	H.H. Dow High School	Robert T. Klun
40	10-27-1984	H.H. Dow High School	James C. Stevens
41	11-16-1985	H.H. Dow High School	Richard E. Donaldson
42	11-8-1986	H.H. Dow High School	Peter Y. Lo
43	10-31-1987	H.H. Dow High School	M. Peter Dreyfuss
44	10-22-1988	H.H. Dow High School	Stephen W. Froelicher
45	11-11-1989	H.H. Dow High School	Donald E. Kirkpatrick
46	10-13-1990	H.H. Dow High School	Norbert L. Maecker
47	10-26-1991	H.H. Dow High School	Steven J. Gluck
48	11-7-1992	Delta College	Steven A. Snow, Maris J. Ziemelis
49	10-23-1993	Delta College	Michael S. Paquette
50	11-5-1994	Delta College	James K. Rieke
51	11-4-1995	Delta College	Peter Y. Lo
52	10-26-1996	Delta College	Debora F. Bergstrom
53	11-1-1997	Central Michigan University	Philip J. Squattrito
54	10-31-1998	Saginaw Valley State University	George W. Eastland
55	10-30-1999	H.H. Dow High School	Eric Joffre
56	10-28-2000	Dow Chemical Company EDC [#]	Fred Vance

57	10-13-2001	Dow Chemical Company EDC [#]	Fred Vance
58	10-11-2002	Dow Chemical Company EDC [#]	Wendy Flory, Dale LeCaptain
59	10-17-2003	Dow Chemical Company EDC [#]	Wendy Flory, Dale LeCaptain
60	10-22-2004	Dow Chemical Company EDC [#]	Buford Lemon, Dale LeCaptain
61	10-14-2005	Dow Chemical Company EDC [#]	Gregg Potter
62	10-21-2006	Central Michigan University	Robin J. Hood, Wendell L. Dilling
63	10-19-2007	Midland Center for the Arts	Dale Meier
64	10-24-2008	Midland Center for the Arts	Mike Owen, Petar Dvornic, Mustafa Mohamed
65	10-10-2009	Delta College	Susan Rhodes, Matthew Gave
66	11-6-2010	Central Michigan University	Mary Tecklenburg
67	10-22-2011	Alma College	Melissa Strait
68	10-20-2012	Saginaw Valley State University	Dave Karpovich
69	10-5-2013	Delta College	Shawn Chen
70	9-27-2014	Delta College	Roja Ergun, Megan Thomas
71	10-24-2015	Saginaw Valley State University	Roja Ergun, Megan Thomas
72	10-22-2016	Saginaw Valley State University	Michael Vagnini
73	10-21-2017	Saginaw Valley State University	Peter Bai
74	10-13-2018	Saginaw Valley State University	Jennifer Larimer, Eve Suthiwangcharoen
* Closed Dow/Dow Corning Meetings			
# Employee Development Center			

The first five meetings (1945-1949) in what became the current numbered series were closed Dow/Dow Corning Scientific Meetings and were not open to ACS members in general. However, the Midland Section ACS was instrumental in the origin of these closed meetings. In 1944, a group of Dow scientists, Julius E. Johnson, Jr., Lewis R. Drake, and Jack L. Williams, sought local activities for the ACS to sponsor at Dow's headquarters in Midland, Michigan. Appreciating the advantages of a closed meeting, they obtained the approval of W.R. Veazey, Dow coordinator of research and patents, to hold several such scientific meetings in the following years. The chairmen of these closed meetings were selected by the ACS Midland Section.

In early 1945, the above-mentioned group and several other Dow researchers became concerned about the lack of a forum to present and learn about technical developments. Researchers had lost an opportunity to interact with others in their fields when the Spring and Fall 1945 National ACS Meetings were canceled owing to wartime conditions. As a result of this concern, an announcement was made at the 201st Midland Section ACS Meeting on March 20, 1945, that a committee consisting of Gordon Clack, Chairman, William F. Mick, Daniel R. Stull, and Jack Williams had been appointed to organize a "Spring Scientific Meeting." All papers scheduled for this first meeting were by invitation only. Several of the papers had been presented previously at informal discussion group meetings held in the evenings in Dow facilities.

The first Scientific Meeting was scheduled for May 5, 1945. The March 20 Midland Section ACS meeting minutes state that "Inasmuch as it has been decided that the spring meeting must, due to lack of time and the confidential nature of some of the reports, be a Dow rather than an ACS affair, the

Midland Section has severed all official connection with this committee. No announcement of the committee or of the meeting was or will be made in American Chemical Society meetings here." Thus, the first of the series of Scientific Meetings 73 years ago was not an ACS meeting, but was a closed meeting restricted to Dow and Dow Corning employees.

Saturday, May 5, 1945, the date of the first Scientific Meeting was three days before VE (Victory in Europe) Day. The program consisted of six presentations by seven authors, Norman Wright, "Identification of Organic Compounds By Infrared Spectra," Vernon A. Stenger, "Recent Developments in the Search for New Elements," George J. Atchison, "Analysis of Microgram Samples," Earle R. MacLaughlin, "Water Problems in the Midland Area," Julius E. Johnson, "Tropical Diseases Encountered in Military Operations," and William R. Collings and Shailer L. Bass, "Silicones as New Engineering Materials." Attendance at this first meeting was 120. In addition to the technical talks held in the Dow Auditorium, the program included special exhibits, a luncheon, and entertainment.

The Midland Section was officially involved in planning the next Scientific Meeting, which was called the "Midland Meeting in Miniature." It was held Saturday, September 15, 1945, in the Dow Auditorium. Archival records indicate that this meeting was not included in the numbered list of Midland Section ACS Scientific Meetings. The organizing committee consisted of Lester J. Dankert, General Chairman; Stevens S. Drake, Chairman of the Committee on Arrangements; Lorraine Boble, Chairman of the Entertainment Committee; and George J. Atchison, Chairman of the Publicity and Registration Committee.

The technical program, which was printed in the August 25, 1945, issue of *Chemical & Engineering News*, consisted of 14 papers by 32 authors. A photographic summary of the meeting was printed in "The Chemical News Parade" section of *Chemical & Engineering News*, October 10, 1945. A report in the archives indicated that a capacity audience (370 registrants) of "scientific men" was present in the meeting room and out in the foyer. The capacity audience attests to the attendees' desire for scientific interactions with their colleagues. This Saturday was the first in several years that they could call their own because prior to this time Dow had a six-day work week. After an all-day technical session from 8:15 AM to 3:45 PM, including a luncheon in the Dow Cafeteria, the attendees participated in an ACS dance entitled the Scientific Swing. The dance, arranged by the Entertainment Committee and the Dow Dance Committee, was held in the K of C Hall from 9:00 PM to 1:00 AM.

The first Midland Section Scientific Meeting of the numbered series that was open to all ACS members was the sixth, held on March 18, 1950. The first non-Dow/Dow Corning person to present a paper at one of these meetings was Howard Potter, Professor of Chemistry at Alma College, in 1951. The title of his paper was "The Reaction of Phenyl Lithium and Phenyl Magnesium Bromide with Some Alpha-Beta Unsaturated Sulfur Compounds."

The first five Scientific Meetings consisted of one morning session and one afternoon session. The next two meetings had two concurrent sessions each. The number of simultaneous sessions reached a maximum of 17 in 1982 and 1983. At least part of each of the first 11 meetings was held in the Dow Auditorium. Other meeting locations were in the Dow Library, Cafeteria, Music Building, Abbott Road Building, and Employee Development Center, the Dow Corning Cafeteria and conference rooms, Delta College, Central Intermediate School, H.H. Dow High School, Central Michigan University, Saginaw Valley State University, and Alma College.

The first 23 meetings did not have a general theme. Most of the meetings starting in 1967 have had a theme as listed in Table 2. Sometimes the theme has coincided with the subject of the keynote address or the theme of National Chemistry Week. Many years the theme of the meeting has only related to a small portion of the meeting.

Table 2. Themes of Fall Scientific Meetings (1967-2018).

Meeting Number	Date	Meeting Theme
24	11-4-1967	Air and Water Pollution Control
25	11-9-1968	Technical Obsolescence and Continuing Education
26	11-8-1969	Management, Theory and Practice
27	10-24-1970	Housing and Construction
28	10-30-1971	The Environment Today
29	11-11-1972	The Energy Situation
30	11-3-1973	Innovation
31	11-8-1975	---
32	10-30-1976	Chemistry: What the Future Holds
33	10-29-1977	Academic Industrial Interface: Meeting Future Challenges
34	11-4-1978	Government – Industry Interaction in Chemistry
35	11-3-1979	Scientists and Society
36	11-1-1980	---
37	11-7-1981	Events Related to the Eruptions of Mount St. Helens
38	10-30-1982	The Science of Biotechnology
39	10-29-1983	Advanced Technology
40	10-27-1984	Toxicology
41	11-16-1985	Industry and Academia – Partners in Research
42	11-8-1986	Control of Chemical Reactions
43	10-31-1987	Chemistry and the Quality of Life
44	10-22-1988	Merging Disciplines = New Materials
45	11-11-1989	Focus on the Environment
46	10-13-1990	Chemistry: Our Past and Our Future
47	10-26-1991	Science Education Today: The Foundation of our Future
48	11-7-1992	Communicating Science
49	10-23-1993	Celebrating Excellence
50	11-5-1994	A Profession in Transition – Educating Ourselves for Tomorrow's Jobs
51	11-4-1995	Materials For Emerging Technologies
52	10-26-1996	Chemistry's Image in Society
53	11-1-1997	---
54	10-31-1998	Chemical Information: The Pipeline to Innovation
55	10-30-1999	Emerging Growth Opportunities for Chemistry
56	10-28-2000	Changing Times
57	10-13-2001	Publishing
58	10-11-2002	More Reactions on a Smaller Scale, Faster

59	10-17-2003	Green Chemistry
60	10-22-2004	---
61	10-14-2005	Nanotechnology: Turning Small Science into Big Money
62	10-21-2006	The Future of Science and Science Education in the Mid-Michigan Area
63	10-19-2007	Chemistry and the Greatest Challenges of the 21st Century: Energy, Water, and Food
64	10-24-2008	Materials for the 21st Century
65	10-10-2009	Advancing Chemistry through Science Education
66	11-6-2010	Making Stuff: The Science of Materials
67	10-22-2011	Think Globally, Act Locally
68	10-20-2012	Collaborations that Benefit the Community: Serving with Science
69	10-5-2013	---
70	9-27-2014	The Sweet Side of Chemistry
71	10-24-2015	Chemistry Colors Our World
72	10-22-2016	Solving Mysteries Through Chemistry
73	10-21-2017	Chemistry Rocks!
74	10-13-2018	Chemistry Is Out of This World

The Dow/Dow Corning Scientific Meetings from 1945 to 1949 and the ACS Scientific Meetings from 1950 to 1961 were held in the spring. In planning for the 1962 (18th) ACS Spring Scientific Meeting, the General Committee decided to make it a closed Dow/Dow Corning Meeting because of problems they saw with the ACS Scientific Meetings. These problems included the difficulty in obtaining an adequate number of cleared papers for the meetings, low attendance by Dow and Dow Corning people, limited attendance by non-Dow/Dow Corning people, failure of the meetings to draw submitted papers by non-Dow/Dow Corning people, and the perceived high cost of the meetings.

Because plans had been made for a closed spring meeting, the Midland Section Executive Committee passed a resolution to hold an open ACS Scientific Meeting in the fall of 1962. A letter written by the 1962 Midland Section chairman, Ethan C. Galloway, to local research directors, stated that “the ACS (Midland) Section heartily endorses an open meeting in some form.” Thus, began the Midland Section’s Fall Scientific Meetings, which have continued to the present day.

Several references in the records of the Scientific Meetings show that men dominated the early meetings. For example, the subtitle of an article in 1949 stated that “... Dow and Dow Corning Men Get Together ...” The 1950 meeting program announced that “Aiding in the registration of visitors will be the female members of the Midland Section ...” A call for papers for the 10th meeting in 1954 sent to Baker Perkins Company, Saginaw; Leonard Refineries, Alma; Central Michigan College, Mount Pleasant; Alma College, Alma; and Michigan Chemical Corporation, St. Louis; included the following sentence: “We would like to solicit papers from men in your group to be presented at this meeting.”

Eventually, women participated fully in the meetings. Shirley J. Goetz co-authored a paper, “p-Vinylbenzyltrialkyl Ammonium Salts in Vinyl Polymerization,” with Giffin D. Jones, in 1956. Suzanne N. Heiny presented a paper, “Cross-Linking in Solution Polymerizations,” co-authored with Ralph E. Friedrich, in 1958. Janet Paige was the first woman to present a paper, “The Flameproofing of Plastics - A Review of the Literature,” without a male colleague, in 1959. Six women have given keynote

addresses (only one had after 50 years), and ten have served as the general chairperson (only one had after 50 years).

A follow-up article on other aspects of the Fall Scientific Meeting is planned for the 75th meeting in the Section's centennial year, 2019.

Centennial Sleuth: Case #2

Gina Malczewski, Angelo Cassar, and Gretchen Kohl, 2019 Centennial Committee, Midland Section ACS

The two pictures included in this article are from the Midland County Historical Society archives and may be used in our 100th Anniversary Midland Section ACS museum display project.

Do you recognize anyone or any place in either of these pictures? The one on the right is a house test site for Styrofoam for use as an insulating material. Do you recognize the man in the photo or the location? Or, do you know what year this photo may have been taken and where?

The other picture (see next page) is of one of the early Dow labs. Do you recognize what lab this was, where it was located, or about when this photo may have been taken?

Finally, do you have any other photos that might be of interest to show the early use of some of the materials developed in the Midland Section?



Description

Midland, The Dow Chemical Company

House with Styrofoam insulation on sides. Man on porch looking at signs on house.

The members of the centennial committee planning the Doan History Center museum display for the 100th Anniversary of the Midland Section ACS are actively gathering photos, stories, and artifacts for the exhibit. This is yet another article in a regular feature which will display reproductions of photos and memorabilia that we may use, but for which we are still lacking certain information.

Also, if you feel that you, a family member, or a friend might have some items that would help to tell our illustrious Midland Section history, please contact us at web@midlandacs.org. We will be featuring the history of the ACS, the Midland Section specifically, and special people, products, events, and programs that have impacted the community and the consumer world for the last one hundred years, and which will continue that impact long into the future.

The content that we have been and are collecting will be used to fabricate a historical display which will be opening in May 2019, at the Doan History Center, in Midland. The exhibit will be free and open to the public through December 2019. We look forward to hearing from you if you can identify anything in either of the two pictures, or in anything that we might display in the future. Please search your own personal archives, too, for anything that you might have available to loan or contribute to the exhibit. Thank you.



Lapel Pins Are Available to Commemorate the 2019 Centennial Year and 50th CERM Meeting
Gina Malczewski, Chair, 2019 Centennial Committee, Midland Section ACS

Three sets of lapel pins (see next page) are available for purchase to celebrate the Midland Section ACS Centennial year and the 50th ACS Central Regional Meeting. The single ACS logo pin is \$3.00, the double logo pins are \$5.00 each, and the whole set of all three pins is \$12.00.

Our centennial designer, John Metcalf of Good Design, is responsible for the artwork. The pins are metal with an enamel finish and butterfly pin back. Proceeds will go toward the building and running of the centennial exhibit, including related educational programs in 2019. The dimensions of the single logo pin are 1 inch x 1 inch.

Contact Gina Malczewski (reginamalczewski@gmail.com) if you are interested in purchasing one or more pins, or the entire set. Thank you.



Midland Section Centennial Request for Historical Items

Gina Malczewski and Gretchen Kohl, 2019 Centennial Committee, Midland Section ACS

MIDLAND ACS MEMBERS OR FAMILY:

As we work on the historical exhibit to celebrate the centennial of our Section in 2019, we need **YOUR HELP**:

-Do you have any artifacts from the past around your house that you would consider loaning to us for the exhibit:

- Photos of any ACS event or activity? (Science Fairs? Dinners?...)
- Photos of people at work doing chemistry or using equipment?
- Actual equipment
- Awards?

-Look for our "Centennial SLEUTH" Features in the newsletter and elsewhere to help us identify people, places, and events to document for our dedicated website as well as the exhibit.



CONTACTS:

gretchen.kohl@att.net
reginamalczewski@gmail.com



Recap of 2018 National Chemistry Week Activities

Michelle Rivard, Outreach/Kids and Chemistry, Midland Section ACS

The Midland Section ACS Outreach team celebrated National Chemistry Week (NCW) last fall with five events on Friday and Saturday, October 12-13, 2018. The theme “Chemistry Is Out of this World” (space chemistry) was celebrated at Dow’s Great Lakes Bay STEM Festival held at Delta College. On Friday, October 12, over 3,750 middle school students were bussed in from around the state. Another 1,250 students and family members attended the Friday evening (October 12) and Saturday (October 13) sessions that were open and free to the public.



The Mid-Michigan Technician Group along with Delta College Student members and the local Astronomy Club hosted an ACS Program-in-a-Box at Delta College’s Planetarium in Bay City. In keeping with the NCW theme, the live webinar, titled “Voyage to Mars: Red Planet Chemistry,” explored the chemistry of Mars. Experts shared what it will take to survive the voyage and the challenges of needing to recycle waste into valuable materials using biopharmaceutical production methods.

The Midland ACS Outreach group also incorporated the NCW theme into their Scientific Wonder and Artful Genius six-week program with Delta’s College’s Possible Dream program. On October 24, twenty-eight economically disadvantaged middle school students learned scientific concepts featuring the NCW theme and applied those concepts artistically by creating unique fluorescent signs and UV indicating wristbands, which are activated when exposed to UV light.





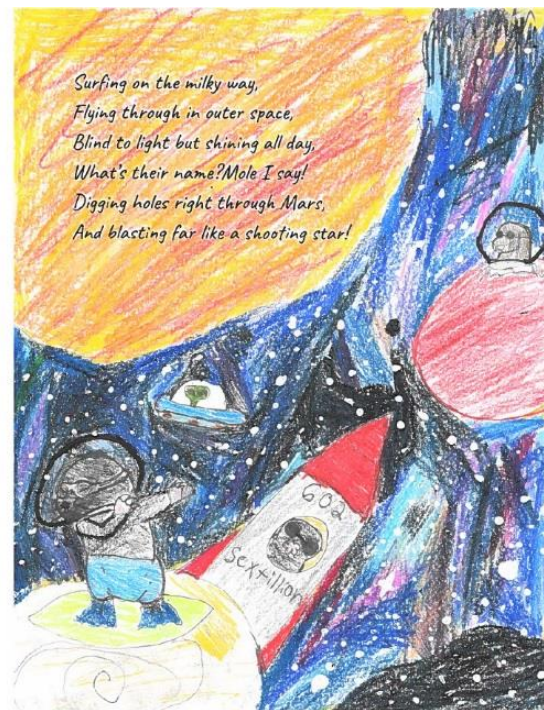
An additional event was co-sponsored by the Midland Center for the Arts at their Wednesday, October 25, Family STEM Night where attendees learned about emission spectroscopy with element lights and UV indicating wristbands.

The final event of the NCW celebration was an ACS-sponsored Illustrated Poem contest that also occurred at the National level. The area winners were honored at a small celebration on Monday, November 19 at Creative 360 in Midland. The 1st place winners in each grade category advanced to the National ACS competition, where two of the local 1st place entries were recognized. Those two students each won 2nd place for their grade category and will receive a \$150 prize from the National ACS.

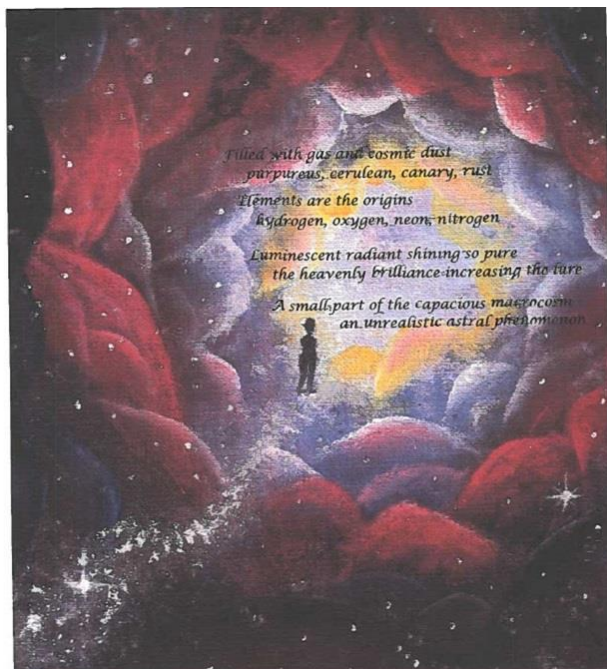
Illustrated Poem Contest Winners

3rd–5th Grade Category

- 1st place – Isabella Ebach, Kolb Elementary
(2nd place, National ACS level winner)
- 2nd place – Avery Weinlander, Kolb Elementary
- 3rd place – Grace Navelgas, Kolb Elementary
- Honorable Mention – Peyton Sampier, Kolb Elementary



Isabella Ebach
1st Place 3-5th Grade



Amelia Loshaw
1st Place 6-8th Grade

6th–8th Grade Category

1st place – Amelia Loshaw, Saginaw Arts & Science Academy

(2nd place, National ACS level winner)

2nd place – Lauren Garza-Jones, Saginaw Arts & Science Academy

3rd place – Shelby Bourbina, Saginaw Arts & Science Academy

Honorable Mention – Saumya Johri, Saginaw Arts & Science Academy

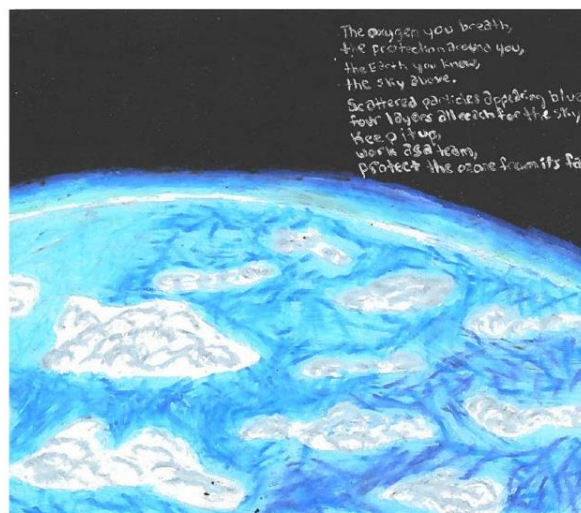
9th–12th Grade Category

1st place – Ellee Wilson, Saginaw Arts & Science Academy

2nd place – Molly Birch, H.H. Dow High School

3rd place – Mary Neiman, Saginaw Arts & Science Academy

Honorable Mention – Christi LeCaptain, H.H. Dow High School



Ellee Wilson
1st Place 9-12th Grade

2019 ACS CENTRAL REGIONAL
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MEETING JUNE 4-8, 2019
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UCSB


A.N. Sreeram
Dow


Melanie Sanford
University of Michigan


Tobin Marks
Northwestern



LEARN FROM THE BEST AND BRIGHTEST MINDS IN CHEMISTRY

In Memoriam – Loren Haluska
Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The obituary notice for Loren Haluska as it appears here is reprinted, in part, from the Thursday, December 13, 2018 issue of the *Midland Daily News*. He joined the ACS in 1953, and at the time of his passing he was a 65-year member of the ACS.



Loren Andrew Haluska, 94, of Midland, MI, died Saturday morning, December 8, 2018, at his home. He was born September 16, 1924, in Albia, Iowa, son of the late John and Helen Haluska. He proudly served his country in the United States Army during World War II. He received his Master's degree in Chemistry from the University of Iowa. While attending the University, he met Diana Chance and on February 5, 1948, they were married in Iowa City. They moved to Midland in 1951. Diana preceded him in death in 2013.

Loren was employed at the Dow Corning Corporation for over fifty years as a research scientist where he achieved numerous noteworthy patents until his retirement. He was an active member of the Midland Country Club. He loved playing golf and watching the Detroit Lions. Loren was a loving husband, father, grandfather, and friend.

He will be missed by his children, Janet Haluska of Rochester Hills, MI, and Bruce (Pat) Haluska of Houston, TX; two grandchildren; one great-grandchild; and daughter-in-law, Claudia Haluska. In addition to his wife, he was preceded in death by his son, David Haluska, in 2012.

A private family service will take place for Loren, with burial in the Midland Cemetery next to his wife. Those planning an expression of sympathy may wish to consider the Midland Humane Society or the donor's favorite charity. Funeral arrangements have been entrusted to the care of the Ware-Smith-Woolever Funeral Home, 1200 West Wheeler Street, Midland, MI.

Upcoming Dates, Events, and Other Updates

- January 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting January 2019](#), meeting number/access code: 710 495 880, phone number: 989-633-1166.
- February 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.
- February 8 (6:30-8:00 PM) – *Of Molecules and Melodies: The Neurochemistry of Music*, lecture by Prof. Ed Roth, Director, Brain Research and Interdisciplinary Neurosciences (BRAIN), Western Michigan University, and performances by local musicians, followed by a reception, Coleman Faith United Methodist Church, 209 Jefferson Street, Coleman. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- March 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.
- March 22 – **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.

- March 31 - April 4 – 257th ACS National Meeting & Exposition, Orlando, FL. For more information, see <https://www.acs.org/content/acs/en/meetings/national-meeting.html>.
- April 8 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, CMU Chemistry Department, Mount Pleasant (in person), or via a WebEx conference call connection (TBD), phone number: 989-633-1166.
- April 24 (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 1-4 – ACS Great Lakes Regional Meeting (2019 GLRM), Sheraton Hotel, Lisle, IL. For more information, see <https://www.acs.org/content/acs/en/meetings/regional/great-lakes.html>.
- May 6 (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.
- June 4-8 – 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. The abstract submission portal should be open and available soon. Please watch for more information at <https://acscerm2019.org/>.
- 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.
- June 23 (2:00 PM) – New event for 2019 – ACS Day at Dow Diamond. For more information, contact Michelle Rivard at 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 25-29 (Save the Date) – 258th ACS National Meeting & Exposition, San Diego, CA.
- 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.
- 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.
- 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.
- 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.

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