

THE MIDLAND CHEMIST

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Chair Column

Mark Jones, Chair, Midland Section ACS



2019 will be a hard year to follow. The Midland Section had a phenomenal 2019 under Amanda Palumbo’s leadership. The Section developed a display at the Doan Midland County History Museum to celebrate 100 years of the ACS in Midland. We hosted the ACS Central Regional Meeting. By all accounts, this was an exceptional event. One particular point of pride is the water quality STEM experiment aimed at secondary schools throughout the region. This experiment lives on, with teacher support and curricula continuing to be developed. Check out the following website:

cmich.edu/colleges/se/iglr/H2OQualityClassroomProgram/Pages/Water-Quality-Tests.aspx.

The water quality experiment is further proof that the Midland Section does STEM well. It is one of the best STEM experiments I’ve seen from any organization, bar none. The Section has a trove of awards, testament to the long history of excellence, and the creativity and the passion of ACS volunteers in little old Midland. That outreach benefits our local community in many ways. We teach chemistry to the next generation, hopeful that we’ll unlock their interest and potential. We attract the next generation of employees for the corporations that call Midland home. We teach the community about all the good that chemistry does for society and the local community.

Chemistry plays a larger role in Midland than in most communities. 2019 was yet another year of change for our community. The standard question when meeting someone new in Midland used to be “Dow or Dow Corning.” Those days are gone. A recent trip through the Midland plant reminded me of how significant the changes are. Getting from the gate to the research campus, I saw signs for five different companies. Thirty years ago, only Dow was on the Dow site.

As we enter 2020, I am optimistic that we can involve folks from more companies in the Midland Section. 2020 will be a year of outreach for the Section. There are over 20 companies in the region founded on chemistry. We have battery companies, analytical labs, water-treatment companies, composite makers, and more. We still have Dow and the silicones manufacturing that was formerly Dow Corning, but we also have DuPont, Corteva, Trinseo, and others. I remain hopeful that employees of these companies will find opportunities and satisfaction through the Midland ACS Local Section. I remain hopeful that we can provide value to employees of these companies and provide value to the companies themselves.

Thank you for your commitment to improving people’s lives through the transformational power of chemistry. Stay connected with us by following us on Facebook, reading *The Midland Chemist* monthly newsletter, and visiting <http://www.MidlandACS.org>. Yes, 2019 will be a hard year to follow, yet we have a strong foundation to build upon. There is certainly reason for optimism in 2020.

Midland Section ACS Has Scholarships Available!

Gina Malczewski, Midland Section ACS

Since 2002, the Midland Section of the ACS has offered scholarships to residents of our five-county area (Isabella, Gratiot, Midland, Bay, and Saginaw) who are majoring in one of the chemical sciences. Current rules stipulate the applicant can be attending any Michigan college or university. An essay is required. The application window opened December 1 and will close March 1. Details are available at the Midland Area Community Foundation website: <https://midland.egrant.net/login.aspx?PIID=147&OID=10>.

We also gratefully accept donations to the Midland Section ACS scholarship fund, so if you are interested in helping us provide financial assistance to the next generation of chemists, please visit: <https://www.midlandfoundation.org/fund/midland-section-american-chemical-society-endowed-scholarship-fund-399/>.

In 2020, the Midland Section ACS will award two \$1,500 scholarships. If you would like to volunteer to review the scholarship applications, please contact Gina Malczewski at reginamalczewski@gmail.com. The review process is electronic and rubric-based.

Third Annual “Skills Beyond the Bench: Mentoring for Your Career” Workshop, February 1 Lauren McCullough, Treasurer, Midland Section ACS

Save the date! The Midland Section ACS Women Chemists Committee and the Detroit Section ACS Women Chemists Committee are collaborating once again for the third annual “Skills Beyond the Bench” workshop. The theme for the 2020 workshop is mentoring and there will be speakers from the University of Toledo, Wayne State University, and Dow.

The workshop will take place on Saturday, February 1, from 11:30 AM to 3:30 PM, in the Harding Mott University Center on the campus of the University of Michigan (Flint). A buffet lunch will be served, followed by a panel discussion and networking event. More details and sign up information are provided in the announcement flyer below.

Please note the registration deadline date of Monday, January 27. For any questions, contact Jessica Tischler at jtisch@umich.edu.

3RD ANNUAL **SKILLS BEYOND THE BENCH: MENTORING FOR YOUR CAREER** Saturday, February 1, 2020, 11:30 am – 3:30 pm

Amanda Bryant-Friedrich, Ph.D.
Vice Provost for Graduate Affairs
Dean, College of Graduate Studies
University of Toledo



Beata Kilos, Ph.D.
Research Scientist
Core R&D, Dow

Katie Erikson,
Senior R&D Manager
Core R&D, Dow



Tepora Su'a
Ph.D. Candidate
Dept. of Chemistry
Wayne State University

The Midland and Detroit Sections of the American Chemical Society's Women Chemists Committees present a panel discussion and networking event for all area scientists. The selected speakers represent different careers within chemistry. They will discuss how mentors have helped advance them in their career and the benefits of being a mentor beyond just basic chemistry. Stay after the panel discussion to network with other ACS members and scientists. **Please register by Monday, January 27, 2020.** Tickets are \$10, but students will be refunded \$5 by showing a valid student ID at check in. For questions, contact Jessica Tischler at jtisch@umich.edu.



You are invited!
Speakers from careers in industry and academia will discuss how mentoring has shaped their careers
Network with other chemistry professionals
A buffet lunch will be served followed by a panel discussion and networking event

UNIVERSITY OF MICHIGAN-FLINT

Harding Mott University Center,
Michigan Rooms

Free parking available in the
Harrison Street Parking Deck.
405 S. Harrison St.,
Flint MI 48502

**To register, go to
eventbrite.com and
search for
Skills Beyond the Bench.**
You can also use the
full link below.

<https://www.eventbrite.com/e/skills-beyond-the-bench-mentoring-for-your-career-tickets-89985546191?aff=ebdssbdestsearch>

Announcing the 2020 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

The date for the 29th annual American Chemical Society Midland Section Spring Awards Banquet has been set for Wednesday, 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!

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 include 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. I have listed previous award recipients at the end of this article 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 28, 2020 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: 2020 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 2020 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 Saturday, March 28, 2020. Nominations not meeting the minimum requirements, and submissions received after the March 28 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 2020 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, May 6, 2020.

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 2020-2021 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 2020 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 28, 2020**:

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 Kloplic
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
2019 Nicole Roberts

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 Jayme Swanson
2013 John Barnes
2014 No Recipient
2015 Mark Hackbarth
2016 No Recipient
2017 Allison Vandriessche
2018 No Recipient
2019 Darci Merillat

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
2019 Rick Cahoon

College Chemistry Teaching

1989 Joan Sabourin
1990 Bob Howell
1991 Robert Kohrman
1992 Scott Hill
1993 Ajit Sharma
1994 Laura Vosejпка
1995 George Eastland
1996 Martin Spartz
1997 Philip Squattrito
1998 Thomas Delia
1999 Steven E. Keinath
2000 James Hutchison
2001 Sandra Smith
2002 Margaret Hill
2003 Dale Meier
2004 Katherine Blystone
2005 Ronald Sharp
2006 Arthur G. Smith
2007 Cynthia N. Peck
2008 No Recipient
2009 No Recipient
2010 Anton Jenson
2011 No Recipient
2012 David S. Karpovich
2013 No Recipient
2014 David Baker
2015 Estelle Lebeau
2016 Angela McGuirk
2017 Joel & Nancy Dopke
2018 No Recipient
2019 Jeffery A. Turk

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	2019	Jennifer Reil
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	2019	Karen Carter (CERM Award)

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	2019	Weston Tulloch, Matthew Yonkey
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	2019	Dr. Jerzy Klosin
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. Kohnman		
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	2019	Dr. Dale LeCaptain
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 (Kaliapparath)	Steven E. Keinath	Michigan Molecular Institute (retired)
2018	Special Recognition (Through a Different Lens)	Thomas H. Lane	Dow Corning Corporation (retired)
2019	Special Recognition (Chair, 2019 CERM)	Dimi Katsoulis	Dow
2019	Special Recognition (Chair, 100th Anniv. Cmte.)	Gina Malczewski	Dow Corning Corporation (retired)
2019	Special Recognition (Hospitality Star)	Emily Deese	Michigan State University
2019	Special Recognition (Section Centennial Cert.)	David Young	Dow Chemical Company (retired)
2019	MI Governor's Senior Volunteer Service Award	Gina Malczewski	Midland Section ACS

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 Fhaner, 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
2019	John Metcalf, Jay Martin, Valentina Woodcraft, Clifford Todd, A.N. Sreeram (CERM presentation), Congressman John Moolenaar (CERM presentation)

Mid-Michigan Technicians Group (MMTG) Outstanding Chemical Technology Student

1998	Rebecca Hall	2007	Laura Jaska	2016	Dave Starr
1999	Debbie Beuthin	2008	Gerald Rupprecht	2017	No Recipient
2000	Sara Shinavar	2009	Kyle Krauseneck	2018	Calyx Moore
2001	Dana Bitzer	2010	No Recipient	2019	Lindsay Alarie
2002	Sarah Bottke	2011	David Gutowski		
2003	No Recipient	2012	Jeremy Marchand		
2004	Fred Jackson	2013	Chadwick Roland		
2005	Chris Eicher	2014	James Nemeth		
2006	Phillip Jerewski	2015	Kelly Setula		

ACS National Awards for 2020–2021 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>

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
2019	Jerzy Klosin, Regina Malczewski

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
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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
2019	Lauren McCullough

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
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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)
2019 Jim Fitterling (CERM, Midland, MI)

[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)
2019 Michelle Rivard (CERM, Midland, MI)

[Encouraging Women in the Chemical Sciences Award – Midland Local Section Women Chemists Committee](#)

2019 Beata Kilos-Reaume

[Shirley B. Radding Award – Santa Clara Valley Local Section](#)

2015 Connie Murphy

Periodic Table Project Makes Headlines

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: This article is reprinted, in part, from the Saturday-Sunday (Weekend), December 7-8, 2019 issue of the *Midland Daily News*.

At the American Chemical Society Fall 2019 National Meeting in San Diego, the ACS Committee on Chemists with Disabilities displayed an accessible periodic table that featured braille and sign language 3-D printed onto every element tile. More than 12,000 people attended the conference with many visiting the periodic table display among some 260 informational booths.

The project celebrated the International Year of the Periodic Table in 2019 and its discovery 150 years earlier by Dmitri Mendeleev. Through the use of accessible technology, the project serves to remind those engaging with it of the scientists both with and without disabilities who have contributed to the creation of the periodic table.

The idea was initiated by the Committee on Chemists with Disabilities and through their connection with Dow, a collaboration was formed with students from MSU St. Andrews in Midland. MSU St. Andrews provides learning opportunities in science, technology, engineering, arts, and mathematics (STEAM) for youth, families, and teachers.

The letter symbols that easily identify the elements were intentionally absent from each tile to simulate the challenges that a person with a disability may encounter in accessing the periodic table.

"The display ignited conversations about disabilities and accommodations like I have never observed before – it emotionally connected with the scientific community," said Michelle Cummings, research scientist at Dow and key contact for the project. "The combination of the tactile and visually stimulating design highlighting both sign language and braille, created a unique one of a kind interactive display – perfect for the International Year of the Periodic Table."



Members of the ACS Committee on Chemists with Disabilities pose with their 3D periodic table project at the 2019 National Meeting in San Diego. (Photo provided by Mona Minkara)

Upcoming Dates, Events, and Other Updates

- January 6 (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 2020](#), phone number: 989-633-1166.
- January 27 – **Registration deadline for the February 1 *Skills Beyond the Bench: Mentoring for Your Career* workshop**, Harding Mott University Center, University of Michigan (Flint). For any questions, contact Jessica Tischler at jtisch@umich.edu.
- February 1 (11:30 AM – 3:30 PM) – Third Annual *Skills Beyond the Bench: Mentoring for Your Career* workshop, sponsored by the Midland and Detroit ACS Section's Women Chemists Committees, Harding Mott University Center, University of Michigan (Flint). A buffet lunch will be served, followed by a panel discussion and networking event. **Registration deadline is Monday, January 27.** For any questions, contact Jessica Tischler at jtisch@umich.edu.
- February 3 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting February 2020](#), phone number: 989-633-1166.

- March 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting March 2020](#), phone number: 989-633-1166.
- March 22 – 26, 2020 (Save the Date) – Spring 2020 National ACS Meeting & Exposition, Philadelphia, PA. Meeting theme – *Macromolecular Chemistry: The Second Century*. For more information, please see <https://www.acs.org/content/acs/en/meetings/national-meeting.html>.
- March 28 – **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 6 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, Central Michigan University (in person, specific location TBD), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting April 2020](#), phone number: 989-633-1166.
- April 19 – 50th anniversary of Earth Day. For more information or questions, please contact Gina Malczewski at reginamalczewski@gmail.com.
- May 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting May 2020](#), phone number: 989-633-1166.
- May 6 (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 27 – 29, 2020 (Save the Date) – 2020 ACS Central Regional Meeting, Columbus, OH. For more information, please see <https://www.acs.org/content/acs/en/meetings/regional/central.html>.
- June 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting June 2020](#), phone number: 989-633-1166.
- August 3 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting August 2020](#), phone number: 989-633-1166.
- August 16-20 (Save the Date) – Fall 2020 National ACS Meeting & Exposition, San Francisco, CA. Meeting theme – Moving Chemistry from Bench to Market. For more information, and to submit an abstract, please see <https://www.acs.org/content/acs/en/meetings/national-meeting/abstract-submission.html>.
- September 8 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting September 2020](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**
- October 5 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting October 2020](#), phone number: 989-633-1166.
- November 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting November 2020](#), phone number: 989-633-1166.
- December 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting December 2020](#), phone number: 989-633-1166.

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