

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Kids Day at the Midland Mall, January 28

Gina Malczewski, Outreach Committee, Midland Section ACS

Midland Section ACS Outreach event, “Kids Day at the Midland Mall.” Free event, cosponsored by Midland Section ACS and Midland Recyclers, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.



Chair Column

Hunter Woodward, Chair, Midland Section ACS



“Almost in the beginning was curiosity.”

So begins the first chapter of my favorite nonfiction book, *Asimov’s New Guide to Science*, by the late American author Isaac Asimov (1920-1992). As a species we humans have been unfalteringly curious throughout recorded history. This is a binding trait for scientists; we make good company on this endless apprenticeship toward continued knowledge. We are laid helpless by the urge to quench this unfathomable thirst.

Why are we, as scientists, so curious? My subjective and completely biased opinion is that much of this trait comes from the emotional satisfaction at an early age of recognizing patterns in the natural world. We enjoy understanding things, and from that standpoint we enjoy *predicting* things that have yet to occur. This is the fundamental tenet of the Scientific Method – the insistence that a hypothesis must exist prior to an experiment. This is also the fundamental foundation of chemistry, in which multiple reactants can predictably create a material with completely different properties (yet the same total mass).

It is often argued that Antoine Lavoisier (1743-1794) was the father of modern chemistry. Unquestioningly, he strongly advanced the understanding that some chemical reactions generate gaseous products (and thus conservation of mass is preserved). The first modern list of chemical elements is in Lavoisier’s *Elements of Chemistry*. A classic example representing these observed elemental patterns is Edward Youmans’s *Chemical Atlas: the chemistry of familiar objects*. Youmans (1821-1887) was an American author perhaps most famous for founding *Popular Science* magazine, but his *Atlas* was a foundational work explaining how chemistry can benefit American industry and agriculture.

One of my favorite illustrations from this text is Plate I (see next page) where Youmans highlights the vast variability in various compounds with similar elements simply based on their combinations and patterns. Obviously, the molecules are not represented accurately, and the molecular formulae are incorrect, but nevertheless this book cogently described how one could manipulate matter to serve the needs of humanity. Any modern student of chemistry can recognize the inaccuracies in this 167-year-old figure and yet the obvious influence of the patterns is laid bare by the fact that in modern molecular models, oxygen remains red (for blood), carbon black (for soot), nitrogen blue (for sky), and sulfur, chlorine, and phosphorous the color of their natural elements.

The recognition of patterns and the description of these observations to a broader audience encourages, in the most liberal manner, the advancement of chemistry. Many of the errors seen here were corrected within two decades of the publication of this book. Today, with the quiet assistance from hundreds of years of pattern recognition by our predecessors, we apply machine learning and chemometrics to select optimal measurement conditions to probe deeper into the hypotheses of modern chemistry. Nevertheless, the oxygen atoms are still red.

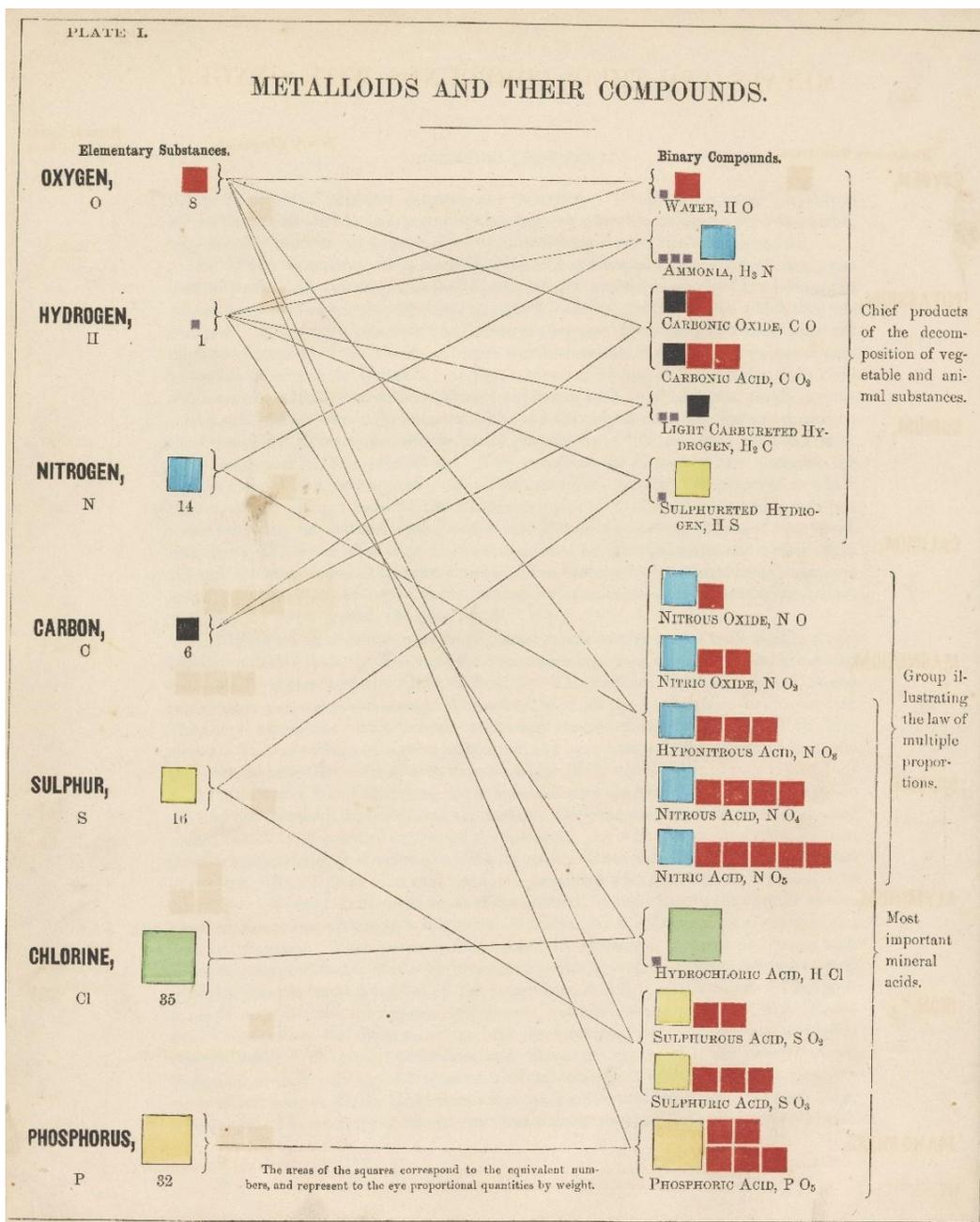


Plate I: Metalloids and Their Compounds, from Youmans's Chemical Atlas (1856). Content is Public Domain. Image courtesy of Science History Institute.

My call to action for the readers of this publication is to encourage curiosity. Encourage it in your students, in your colleagues, in your mentees and mentors, in your children, and in yourselves. The next time someone comes to you with a thought, do not immediately focus on the errors in their way of thinking. Instead, relish how such a thought could never occur without curiosity. Enjoy your common way of thinking about patterns and predictions, your shared belief in the scientific method, and encourage future conversations promoting more of the same. What is patently right today could be laughably wrong tomorrow, and what is wrong today could lead to the discovery of fantastic new patterns.

As the Chair of the Midland Local Section of the American Chemical Society, my pledge to you is that I will provide this Section with my full charge of organizational skills that I have developed over my career. The role of the Chair is not to make decisions, but rather to remove unnecessary roadblocks toward the effective actions of the Board. This Section aims to promote the advancement of chemistry in all its branches by promoting research, knowledge, and (relevant to this column) scientific interests and inquiry. This Section does not serve ACS members alone, but rather all students, educators, and the wider community across Midland, Bay, Saginaw, Gratiot, and Isabella Counties. If you or a colleague has an idea on how to best execute these objectives, please do not hesitate to contact me at chair@midlandacs.org.

W.H. Hunter Woodward, Ph.D., Curious Chemist

Postscript: I like to read. That is not to claim that I am well read, but rather that I have read a lot. My favorite books are nonfiction historical accounts relating to the birth of chemistry. For reference, the ACS Division of the History of Chemistry can be found at <http://acshist.scs.illinois.edu/>.

Over the coming year I hope to write several columns advertising the modern actions of this Section, with a few stories related to the history of chemistry in America folded in for added flavor. For a great book on the contributions of Lavoisier and Youmans toward modern chemistry, I recommend *A Chemical History Tour* by Arthur Greenberg, which can be requested through your local library.

This column is dedicated to the memory of Isaac Asimov in the month of what would have been his 103rd birthday.



ACS Event for Students: A Day in the Life of an Industrial Scientist, January 28
Anne-Catherine Bedard, Diversity and Inclusion Committee Chair, Midland Section ACS

The Midland Section ACS Diversity and Inclusion Committee and Mid-Michigan AIChE would like to invite you to attend ***A Day in the Life of an Industrial Scientist***, hosted at SVSU on **Saturday, January 28, 2023**. This event is intended to illustrate what a career in R&D may look like and also highlight graduate school as a potential career path after college.

Planned activities include solving a science challenge, poster session, and networking with current industrial scientists. Interested students can sign up here: [Day in the Life of an Industrial Scientist](#) by **Friday, January 20** (new registration deadline date). If you have any questions, please email Kim Dinh at kdinh@dow.com.

Day in the Life of an Industrial Scientist

Spend a day learning about STEM careers in industry!
Activities include a problem solving challenge, poster session, and networking with current industrial scientists

Who: Undergraduate students pursuing a STEM major

When: 9 am – 3 pm, Saturday, January 28, 2023

Where: Gilbertson Hall GS 202, Saginaw Valley State University, University Center, MI 48604

Cost: Free

Breakfast, lunch and snacks provided
Local transportation to be subsidized or provided



RSVP by January 5, 2023: <https://forms.gle/17TYtsuxgm2xJAFU7>

Questions? Email Kim Dinh at kdinh@dow.com



Earth Day Action Expo 2023, Save the Date, April 22

Gina Malczewski, Outreach Committee, Midland Section ACS

Midland Section ACS Outreach event, “*Earth Day Action Expo 2023.*” Free event at H.H. Dow High School, in Midland. Activities for all ages, and open to everyone. Cosponsored by Midland Section ACS, Midland Center for the Arts, Midland Recyclers, Dow High Go Green Club, and MSU St. Andrews. Watch here for more details to follow. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.

SAVE THE DATE
EARTH DAY
ACTION EXPO 2023

11 A.M. - 3 P.M.
SATURDAY APRIL 22
HH Dow High School

Ecology Activities!
Food Trucks!
Give-Aways!

Hands-On Science!
Arts & Crafts!
40+ Exhibitors!

Activities for all ages!
FREE AND OPEN TO EVERYONE
TO CELEBRATE EARTH DAY!

2023 Chemists Celebrate Earth Week Theme: The Curious Chemistry of Amazing Algae

ACS Local Section
Midland

MIDLAND
CENTER FOR THE
ARTS

midland
recyclers

DOW HIGH
GO
GREEN

MSU St. Andrews
MICHIGAN STATE UNIVERSITY

Midland Section ACS Officers and Board of Directors Elections Results
Shuting Feng, Chair, 2022 Nominations and Elections Committee, Midland Section ACS

The Midland Section ACS elections opened on Monday, October 24, 2022, and closed on Monday, November 14, 2022. Approximately 24% of the membership chose to participate in voting. Thank you to all the nominees and all the Midland Section members!

Congratulations to our candidates that have been elected for 2023. You can find biographical information on our elected officers in the [October 2022 issue](#) of *The Midland Chemist*.

Chair-Elect: Erin Vogel



Treasurer: Justin Massing



Secretary: Krishnaja Duvvuri



**Nominations & Elections Chair:
Kelli Ogawa**



Director (3 years): Dan Dermody



Director (3 years): Steve Keinath



Director (3 years): Angelar Muthike



Announcing the 2023 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

The date for the 32nd annual American Chemical Society Midland Section Spring Awards Banquet has been set for Wednesday, May 3, 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 date will sneak up on us quickly, so I am asking that you take a moment to read through the awards that are open for nominations and consider nominating a worthy peer. Details of the program, including the featured speaker, are still being finalized. Watch for future issues of the *Midland Chemist* for more information and how you can register. I promise that it will be another enjoyable evening including dinner, networking, and business casual dress.

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 on Wednesday, May 3, for a night of good food and great fun!

As always, my goal is to have a representative outstanding student from each high school in the Midland Section area and to have a nominee for each award offered this year. I am counting on your help to make this happen as I know that 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). Outstanding high school and collegiate student awards require only the nomination form submitted by the appropriate chemistry teacher or college department head.

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 requested, and nominations are considered for three years). If you would like to be considered for an award, there is the option to self-nominate. If you are a parent, consider nominating your child's outstanding science or chemistry teacher, or a science volunteer you know.

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

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

It is highly recommended that the nomination includes a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via email.

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 **Friday, March 31, 2023, 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: 2023 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 2023 awards are invited for the following areas:

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

Outstanding Science / Chemistry Teaching Awards

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

Science Education Volunteer of the Year

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

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

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella, or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The

criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Inclusion and Diversity Committee are ineligible to receive this award.

Outstanding Achievement and Promotion of the Chemical Sciences

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

Outstanding Service to the American Chemical Society

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

Outstanding Chemical Technician

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

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form attached to this call for nominations. One selection per school; no supporting letters are needed.

Team Innovation Award

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

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted to the Midland Section ACS

Executive Committee for approval. Nominators should write a letter indicating the award and describing the attributes of the candidate.

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

The deadline for nominations is Friday, March 31, 2023. Nominations not meeting the minimum requirements, and submissions received after the March 31 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (email) submissions are preferred*. All submissions must be accompanied by the name, position, address, and phone number of the nominator.

Award recipients as well as Chemistry Olympiad winners, National Chemistry Week Poem Contest winners, and Fifty/Sixty/Seventy Year ACS Members will be honored with certificates or plaques at the 2023 ACS Spring Recognition Dinner at the Great Hall Banquet & Convention Center, in Midland, on Wednesday evening, May 3, 2023. These individuals will also be featured in a follow-up article in *The Midland Chemist*.

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

Now that you realize how exciting it is to nominate someone at the local level and you want to do more, I invite you to peruse the veritable cornucopia of awards that the American Chemical Society offers at the national level. I have listed the web addresses where you can find out more information relative to each award and the criteria for nomination. Now is the time to begin nominations for National ACS awards for 2023-2024 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, Email: dkdeese@dow.com or awards@midlandacs.org





American Chemical Society – Midland Section

Nomination Form for 2023 Outstanding High School / Collegiate Chemistry Student

(Note: One nominee per school, please)

Dept. Chair or other Nominator: _____

Telephone number: _____

Email address (required): _____

School: _____

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

Home address: _____

Telephone number: _____

Email address (required): _____

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

Please return this form to the following address no later than **Friday, March 31, 2023:**

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

Phone: (989) 636-9915 Email: 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
2019 Nicole Roberts
2020 Amy Crosby
2021 No Recipient
2022 Lori Hall

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
2020 No Recipient
2021 No Recipient
2022 Michael Graves, Megan
Konkol, Jennifer Lehman,
Victoria McPeak, Rebecca
Stinson

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
2020 No Recipient
2021 No Recipient
2022 Jessica Schwarz

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
2020 Choon Young Lee
2021 Janice Hall Tomasiak
2022 Tami Sivy

Science Education Volunteer of the Year

1992	Gregg Young	2003	John Blizzard	2014	Charles Nielsen
1993	Peter Bonk	2004	Jan Zanyk	2015	Gina Malczewski
1994	Peter Moehs	2005	Eldon Graham	2016	Dennis Klipa
1995	Gretchen Kohl	2006	Tom Chamberlin	2017	Nalayini Kogulan
1996	John Blizzard, Richard Van Effen	2007	Teri Bickmore, Cal Goeders	2018	Wendell Dilling
1997	Marvin Tegen	2008	Tim Drier	2019	Jennifer Reil
1998	Carlton Beyer	2009	Dave Stickle	2020	Michelle Rivard
1999	William Albe	2010	Lisa Thackery	2021	Brett Zimmerman
2000	Karol Childs	2011	Charles & Barbara Roth	2022	Dale LeCaptain
2001	Donald Petersen	2012	Estelle Lebeau		
2002	Joan McMahon	2013	No Recipient		

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

(Awarded every other year)

2002	George Gant, Richard Stringfield	2010	Theophilus Leapheart	2019	Karen Carter (CERM Award)
2004	Smallwood Holoman, Jr.	2012	Linneaus Dorman	2020	Anja Mueller
2006	Joan Sabourin	2014	Victor Atiemo-Obeng	2022	Alyssa Fielitz
2008	Sandra Parker	2016	Roland Wallace		

Outstanding Chemical Technician

1997	Connie J. Murphy	2008	Sue Perz	2019	Weston Tulloch, Matthew Yonkey
1998	David Stickle	2009	Diana Deese		
1999	Ronald L. Good	2010	No Recipient	2020	Heidi Clements
2000	Kurt A. Bell	2011	Amy Tesolin-Gee	2021	Scott Boelter, Nicholas A. Paulik, Matt McLaughlin
2001	Gordon R. Roof	2012	Amber Wallace		
2002	Cynthia J. Gould	2013	No Recipient		
2003	Robert Krystosek	2014	Jeff Seifferly	2022	Matt Crimmins, Carl Reinhardt, Ben Schaefer, Duane Vance
2004	Sherry Allen	2015	Brian Scherzer		
2005	Bill Rievert	2016	Dana Fuerst		
2006	Margo Mclvor	2017	Stephanie Hughes		
2007	Debbie Bailey	2018	Joseph Harris		

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	2020	Dr. Chris Goralski, Dr. Brad Fahlman
1989	Dr. Do Ik Lee	2005	Dr. Michael J. Owen		
1990	Dr. Joseph E. Dunbar	2006	Dr. Robert E. Kehrman	2021	No Recipient
1991	Dr. Thomas H. Lane	2007	Dr. Petar R. Dvornic	2022	Dr. Richard K. Helling

Outstanding Service to the American Chemical Society

1989	Dr. David C. Young	2001	Dr. George W. Eastland, Jr.	2013	No Recipient
1990	Dr. Linneaus C. Dorman	2002	Joan Sabourin	2014	No Recipient
1991	Dr. Donald R. Petersen	2003	John Blizzard	2015	Amy Tesolin-Gee
1992	Dr. Wendell L. Dilling	2004	Dr. Steven E. Keinath	2016	Dr. Bob A. Howell
1993	Dr. Bob A. Howell	2005	Ann Birch	2017	Diana Deese
1994	Eldon L. Graham	2006	Dr. Philip Squatrito	2018	Dr. Regina Malczewski
1995	Gretchen S. Kohl	2007	David L. Stickles	2019	Dr. Dale LeCaptain
1996	Fran K. Voci	2008	Connie Murphy	2020	No Recipient
1997	Dr. Thomas H. Lane	2009	No Recipient	2021	Michelle Cummings
1998	Vicky S. Cobb	2010	No Recipient	2022	Michelle Rivard
1999	Dr. Theodore E. Tabor	2011	No Recipient		
2000	Drs. Peter & Patricia Dreyfuss	2012	No Recipient		

Team Innovation Awards

2020	Dow Consumer Solutions: Hand Sanitizer for COVID-19 Response Dow Performance Silicones: SILASTIC™ Moldable Optical Silicone Impact Analytical: Leachable and Extractable Studies
2021	DuPont Nutrition and BioSciences: Increased Capacity for the Growing Meat-Alternative Vegetarian Market
2022	Dow Chemical: RHOBARR™ 320 Barrier Dispersion

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)
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
2022	Special Recognition (Redesign of Section Website)	Michael Malczewski	Midland Section ACS (volunteer)
2022	Special Recognition (Redesign of Section Website)	Mark Jones	Dow (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
2019	John Metcalf, Jay Martin, Valentina Woodcraft, Clifford Todd, Patrick Smith, Bernadette Harkness A.N. Sreeram, Congressman John Moolenaar (CERM presentations)
2022	John Blizzard (Quadsil/Raven Analytical), Girl Scouts Heart of Michigan, Creative 360, MSU St. Andrews, Cyndie Roberts (Dow High Go Green Club)

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	2020	Elizabeth Bilicki
2003	No Recipient	2012	Jeremy Marchand	2021	No Recipient
2004	Fred Jackson	2013	Chadwick Roland	2022	Collin Clark
2005	Chris Eicher	2014	James Nemeth		
2006	Phillip Jerewski	2015	Kelly Setula		

ACS National Awards for 2023–2024 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](#)

2022 Jerzy Klosin

[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
2020	Christian T. Goralski
2021	Dimitris Katsoulis
2022	Michelle Cummings

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
2020	Dimi Katsoulis

[National ACS Women Chemists Committee \(WCC\) Rising Star Award](#)

2015 Jaime Curtis-Fisk
2017 Beata A. Kilos
2021 Heather Spinney

[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
2020 A.N. Sreeram

[ACS Division of Chemical Technicians National Chemical Technician Award](#)

2000 David L. Stickle
2001 Susan Youngs
2006 Robert Krystosek
2007 Margo McIver
2008 Janet Smith
2014 Diana Deese
2015 Jeff Seifferly
2018 Michelle Rivard
2021 Nita “Qiyin” Xu

[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 Industrial & Engineering Chemistry Applied Chemical Technology Fellow Award](#)

2023 Diana Deese

[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)

[Commitment to Diversity and Inclusion Award – Midland Local Section Inclusion & Diversity Committee](#)

2020 James Walker

[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

ACS Fall 2023 National Meeting – Harnessing the Power of Data

Steve Keinath, Co-Editor, *The Midland Chemist*

Abstracts for oral and poster presentations for the ACS Fall 2023 National Meeting & Exposition are now being accepted. The meeting theme, **Harnessing the Power of Data**, will be at the core of programming. Sessions for the hybrid meeting (in-person & virtual) will be held in San Francisco, CA, and virtually, August 13-17, 2023. Those who wish to submit an abstract will have the option of selecting a virtual or in-person abstract submission.

ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

Please visit the [ACS Fall 2023 meeting website](#) to find a list of the programming divisions and planned symposia open for abstract submissions. **The deadline to submit an abstract is Tuesday, April 4, 2023.**



2023 Turner J. Alfrey Visiting Professor Program – Save the Date, June 6

Clare Light, Project/Event Coordinator, MSU St. Andrews

We are pleased to announce that **Prof. Karen Wooley** (photo at right) from [Texas A&M University](#) will be the guest lecturer for the [2023 Turner J. Alfrey Visiting Professorship](#).

Date: Tuesday, June 6, 2023 Time: 9:00 AM to 5:00 PM
Location: MSU St. Andrews, 1910 West St. Andrews Road, Midland
Guest Lecturer: Prof. Karen Wooley

Watch here for more details to follow. For more information, please contact Clare Light at lightcla@msu.edu.



Carved in Stone

Mark Jones, Director and 2020 Chair, Midland Section ACS

Editor's note: This article is reprinted, in part, from the Thursday, December 8, 2022, issue of *ACS Industry Matters Newsletter*, an online news publication of the American Chemical Society. At the National ACS level, Mark Jones is a member of the ACS Committee on Public Relations and Communications and the National Historic Chemical Landmark Committee. In this article, Mark searches for advice that can never be proven wrong, plus the universal truth illuminated by "Tiffany's Rule."



"Jump and a net will appear" was carved into a Maine river stone sitting in a Camden gift shop. I was unaware river rocks with carved advice are a thing, but apparently, they are. "Jump and a net will appear" struck me as horrible advice, completely unworthy of being carved in stone. It got me to pondering what advice is worth carving into stone. It got me searching for advice that is never wrong.

Some readers of *ACS Industry Matters* newsletters likely come here for advice, seeking bits of wisdom worthy of being carved into stone. It is appealing to think that the experience of others can be the missing piece to success, that someone else's hard-earned wisdom will provide a shortcut. Trite as it seems, Tiffany's Rule is one of the few pieces of advice that is likely never wrong. It might be worthy of being carved in stone. More on that later.

I was thrilled to be back before a live audience earlier this year at Michigan State University to give a department seminar. It was one of the first times since the COVID pandemic started that it felt like things were back to normal. I gave my seminar in front of a real, live, attentive audience. I asked questions of the audience. I got reactions. We had a lively Q&A period. Questions were spoken, not typed. It was great.

I got to interact with graduate students. Inevitably, they ask for advice. They are asking for universal truths, something to be carved in granite. The question goes something like "What advice do you have for being successful in an industrial career?" It gets asked and answered frequently in *ACS Industry Matters*. Rarely are the answers universal truths. There are too many exceptions. Tiffany's Rule, though it might not be particularly helpful for those seeking an industrial career or to those hoping to advance, does appear to be a universal truth. More on that later.

[Survivorship bias](#) refers to the focus on successful outcomes, ignoring failures. It is a natural instinct to believe that we can learn from the successful, and that emulating what they did will lead to success. It is also natural to think that asking those individuals what they think led to success will provide an accurate answer. Natural instincts are wrong in this case, though. Individuals will likely focus on just a few things when, in reality, it is a collection of many things and a dose of luck that really led to their success. It is an unappealing answer unlikely to be carved in stone. It also lacks the utility of something like Tiffany's Rule. More on that later.

I've heard successful people say, "If you have passion for what you are doing, you will be successful." What a crock! I've known plenty of people with lots of passion that have gotten nowhere. I'm not even sure it is safe to warp it to "You won't be successful without passion." I've known cases where people who really couldn't have cared less still stumbled into something really great. They had success even though they really didn't care. Unlike Tiffany's Rule, the passionate succeeding isn't a universal truth. More on that later.

“Always be prepared, and put in the work,” is also something that I’ve heard said. I pride myself on immersing myself in problems. It is certainly a trait that I think led to me being successful. However, I’ve seen many people get so immersed that they were drowned by the problem. They were unable to extract wisdom from the facts. They failed miserably. Unlike Tiffany’s Rule, that the prepared succeed isn’t a universal truth. More on that later.

I’ve also heard successful people say, “Treating people honestly and with respect is the key to being successful.” That’s a crock, too! Early in my career, there was a person who was a real sycophant. He sucked up to management and treated everyone else like crap. Several of us were venting, noting that karma would eventually catch up with him, and that he’d get his. I remember one of the senior folks in the building, Howard, looking over his glasses and saying, “You got that wrong, chances are he’ll be your boss someday.” Howard proved wise. Rapid advancement followed. To the best of my knowledge, the sycophant is still eluding karma. I’ve also known respectful, honest people that are, nevertheless, ineffective. Success eluded them despite being honest and respectful. Unlike Tiffany’s Rule, good people succeeding isn’t a universal truth.

Now to Tiffany, who was cutting my hair. At the end, she asked “Would you like me to trim your eyebrows?” I replied, “Do they need trimming?” At that point, she introduced Tiffany’s Rule. “If anyone asks whether you want your eyebrows trimmed, let them. They need trimming.” So simple. So true. Worthy of being carved in stone.

I didn’t expect to learn something, if not profound, at least useful, while getting my hair cut, but I did. Tiffany’s Rule illuminates another universal truth and a reason for all to keep reading *ACS Industry Matters*. I’ll slightly paraphrase [Ben Zoma](#). “Who is wise? One who learns from everyone.” Observe and learn from all.

Midland Section ACS Scholarship Fund Update and Encouragement to Give in 2023

Gina Malczewski, Director and Scholarship Committee, Midland Section ACS

In May of 2021, [Dr. Wendell and Marcia Dilling](#) (photo at right) issued a challenge relative to growing the Midland Section ACS Scholarship Fund. At that time, they committed \$18,000 of matching money to grow the fund to \$100,000 by matching dollar for dollar all contributions made to the fund until it reached the target goal.

To date, there have been six contributions amounting to \$1,980.76, and recently Wendell and Marcia honored their matching donation commitment by submitting a check in the amount of \$2,000 to the Midland Area Community Foundation, the entity that holds and manages the Midland Section ACS Scholarship Fund.



Wendell and Marcia have recommitted to their original pledge and will continue to provide matching money until their contribution reaches \$18,000, or perhaps a little more upon future reflection. The long-rang goal remains the same, to increase the Midland Section ACS Scholarship Fund principal balance to \$100,000 to enable offering additional and perhaps larger year-by-year scholarships to well-deserving students across the greater Midland Section ACS region.

Although the current balance in the scholarship fund is a little less than where it stood when Wendell and Marcia issued their matching gift challenge (\$60,458.49 as of mid-September 2022), the investment strategies practiced by the Midland Area Community Foundation remain sound. Since May of 2021, the fund balance has decreased a mere 6.9%, pretty remarkable when considering what many of us have been seeing with the value of our own personal retirement accounts.

Continuing to invest now, when the stock market is in a bear market, means that proportionally lower cost shares of stock can be purchased now that will ultimately produce greater yields when the stock market turns around once again.

The Midland Section ACS has been proud to offer scholarships to deserving undergraduate students majoring in a chemical science since 2002. Annually, two to four scholarships are awarded to candidates who have graduated from a high school in one of the Section's five counties (Bay, Midland, Saginaw, Isabella, and Gratiot), are studying at a Michigan university, and are ideally intending to pursue a career in some aspect of chemistry or chemical engineering. Selections are made by a committee and are based on academics, service and extracurricular contributions, and an essay on the student's sources of motivation as well as future plans. Past scholarship recipients are often highlighted in issues of the *Midland Chemist*.

Awards usually range from \$1,000-2,000, depending on the financial performance of the Midland ACS Scholarship Fund (#399) administered through the Midland Area Community Foundation. A long-standing goal of the Midland Section ACS has been to raise the base amount to \$100,000 to serve more students.

Wendell and Marcia Dilling, both chemists and long-time supporters of the Midland Section ACS, are prepared to continue to help us reach that goal by donating up to \$18,000 as part of a challenge grant to the scholarship fund. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple years.**

Please consider contributing to this worthwhile cause. **Your donations will help shape the future of chemistry!** If you have any questions about contributing to the Midland Section ACS Scholarship Fund, please call the Midland Area Community Foundation at 989-839-9661. Thank you.

An online donation form can be found through the following link:

[Midland Section American Chemical Society Endowed Scholarship Fund #399](#)



In Memoriam – Leroy Hampton **Steve Keinath, Co-Editor, *The Midland Chemist***

Editor's note: The obituary notice for Leroy Hampton as it appears below is reprinted, in part, from the Thursday, December 22, 2022, issue of the *Midland Daily News*. Leroy joined the American Chemical Society in 1956, and at the time of his passing he was a 66-year member of the ACS.



Leroy Hampton, 95, of Midland, Michigan, passed away on December 10, 2022. Leroy was born on April 20, 1927, to Ed Levi and Kitty Annie (Larry) Hampton in Ingalls, Arkansas. He would spend much of his childhood in Warren, Arkansas, where he grew up on a farm, while also spending time with relatives in town.

When Leroy wasn't tending to his farm chores, he could be found sprawled out in the barn, reading a book. His love of reading and learning would encompass the rest of his life. Through books, Leroy was able to see the world beyond his stark, Depression-era existence. This would lead him to join the Navy, immediately upon graduation from high school; he first arrived in Illinois and would eventually be stationed in Newport, Rhode Island.

Following an honorary discharge from the Navy, Leroy went on to earn a Bachelor of Science in Pharmacy from the University of Colorado and a Master of Science in Chemistry from Denver University. It was while living in Denver, attending school, that he met his wife-to-be, Anne Herndon. Leroy was also working as a pharmacist at that time. Later, he would be hired as a chemist, by the Dow Chemical Company.

In Denver, Leroy and Anne married and started a family together. In the course of time, Leroy received a promotion and was transferred to Dow Chemical's headquarters in Midland, Michigan, where he continued working until his retirement in 1986.

The more leisurely lifestyle of retirement, however, did not suit Leroy well, so he was quick to acquire another job, this one at Saginaw Valley State University, in a position working directly for the Vice President of the University. Before retiring for good, he would eventually return to working as a pharmacist, at Coleman Pharmacy in Coleman, Michigan.

In addition to his focus on career and family, Leroy was also involved in his community. He was on the Board of Directors at the Dow Chemical Employees Credit Union (now Dow Credit Union), on the Board of Directors at Spectrum of Solutions, Vice President of the Midland Board of Education, President of the Kiwanis Club of Midland, and on the Board of Directors at The Arc of Midland. He was also on the Midland/Dow Community Advisory Panel, a Deacon at Memorial Presbyterian Church, and a member of Alpha Phi Alpha Fraternity.

Leroy enjoyed photography, music, the performing arts, and travel, including camping. The Hampton family traveled all around the US and Leroy would capture these vacations on camera.

People who knew Leroy described him as friendly, kind, generous, intelligent, and funny. His wife and four of his five children (Mary White, Gloria Clark, Stanley Hampton, and Cedric Hampton) preceded him in death. He is survived by his daughter Candice Hampton, daughter-in-law Judy Hampton, goddaughter Rushaun Harris, grandchildren Tanisha Hampton, Shaun Hampton, Ricky Clark, Daron White, and Kevin White. He is also

survived by great grandchildren, nieces, nephews, cousins, and Oliver, the family dog. He will be deeply missed by many others, including friends, neighbors, health care professionals, and in-home care workers.

Leroy's visitation was held on Monday, December 26, 2022, from 4:00 to 7:00 PM at Ware-Smith-Woolever Funeral Home, in Midland, Michigan, and his funeral was held on Tuesday December 27, 2022, at 11:00 AM, at Memorial Presbyterian Church, in Midland, Michigan, followed by a cemetery committal service at the Midland Municipal Cemetery.

Arrangements were entrusted to the care of Ware-Smith-Woolever Funeral Home, 1200 West Wheeler Street, Midland, Michigan, Phone: 989-631-2292, <https://www.wswfh.com/>.

Added note: Please see the accompanying article below which recounts the story of Leroy's legacy and impact on the community of Midland as a change agent to make Midland a more welcoming and accepting community for Black families.

Remembering Midland Leader Leroy Hampton, First Ever Black Chemist Hired by Dow, Leaves Behind a Legacy of Black Advocacy in Midland **Steve Keinath, Co-Editor, *The Midland Chemist***

Editor's note: This article is reprinted, in part, from the Friday, December 30, 2022, issue of the *Midland Daily News*. Andrew Mullin authored the original article for the *Midland Daily News*.

Leroy Hampton (photo at right), who died December 10, 2022, leaves behind a legacy of change and community impact. Hampton, 95, was the first Black professional hire at Dow and also served as the first Black Midland Public Schools Board of Education member. More than that, Hampton worked to bring diversity to the community he called home for more than five decades.



Born in 1927 in Ingalls, Arkansas, he developed an early passion for literacy and learning. Reading about faraway places cultivated a desire in Hampton to explore the world that waited for him beyond his family's farm. As he got older, he would travel with his family throughout the country. "He knew there was a whole world outside of Arkansas and he wanted to see it," said his daughter, Candice Hampton. "So, he joined the Navy. He always had that passion for exploration, discovery, and a natural curiosity."

George Lewis, one of Leroy Hampton's nephews, said his uncle's passion for learning also led to his interest in chemistry. Hampton had an inquisitive mind, Lewis recalled, that was always interested in learning about how the world worked.

Following his stint in the U.S. Navy, Hampton earned a Bachelor of Science degree in pharmacy from the University of Colorado in 1950, afterwards working as a pharmacist at Rocky Mountain Drug Company. He earned a Master of Science in chemistry from Denver University in 1960.

While he was completing his education, he met the woman who would become his wife, Anne Herndon, who died in 2012. The couple had five children. The couple's only surviving child, their daughter Candice

Hampton, recalled that her father was the first Black chemist hired by Dow in 1953 at the Rocky Flats Plant in Denver.

Hampton worked on several sensitive projects for the U.S. government early on in his career with Dow. Throughout his time at Dow, he worked in a variety of positions, including:

- Chemist (1953–1958)
- Professional Scientist/Chemist in Charge (1958–1961)
- Development Chemist (1961–1963)
- Development Leader (1963–1967)
- Recruiting Supervisor (1967–1968)
- Recruiting Manager of the Northeast Region (1968–1970)
- Manager of Minority Employee Relations (1970–1976)
- Manager of Issue Analysis (1976–1980)
- Research Assistant (1981–1986)

When Hampton was promoted to middle management positions at Dow in the mid-1960s, he transferred to the company's Midland headquarters.

Candice Hampton was 5 years old when her family moved to Midland. It was a “culture shock” moving to Michigan, since their neighborhood and schools in Denver were mostly comprised of Black families and students. Midland was practically an all-white city then, she recalled, with only a small handful of Black families living in the city at the time. One of those families were the Jones, who moved to Midland shortly after the Hamptons did. Betty Jones, a long-time Midland resident and local expert on the city's Black history, said she met the Hampton family shortly after they moved to the city. She got to know the family well due to their living in the same neighborhood and being one of the few other Black families in town.

While Candice Hampton recalls more positive than negative experiences living in Midland, she was the target of racial slurs at school, and someone once carved “KKK” into one of her brothers' locker during high school. People on the streets of Midland would also blatantly stare at her family walking, with many residents at the time having never seen a Black person before, Candice Hampton said. She recalls her mother saying that her father felt great pressure to succeed at work, especially during the Civil Rights era. He felt that if he failed, it would look bad on the whole race of Black people, Candice Hampton said.

Family experiences like these, along with the community not being widely open to racial minorities, pushed Hampton to want to make an impact on the Midland community by making it more inclusive. Jones said he was an active member of the Midland Black Coalition, where members of the Midland Black community came together to work on issues they faced in the community. Within this group, Jones said Hampton worked on reviewing school curriculum to make suggestions for how it could be more inclusive of racial minorities, particularly with textbooks and books used in school libraries. The committee also encouraged local businesses to carry certain foods and hair products used by Black individuals.

“The coming of African Americans to Midland posed a challenge within the community which could not be ignored,” Jones said. “Leroy Hampton was among other Black civic leaders who spoke to this challenge in ways which involved other civic leaders in dialogue, learning, increased awareness, and even engagement which contributed to positive change.”

Hampton also sought to promote diversity beyond the immediate Midland community. One of his main roles at Dow headquarters was to recruit people of color to work for the company. That mission led him to travel to cities like Boston and regions in the South with historically Black colleges to recruit workers. “He really enjoyed that, because there was just a sense of hope in the air – especially to those kids in the southern schools – that you could actually get a good job at a private company,” Candice Hampton said. “Most professional Blacks worked for the government because a lot of private companies would not hire them.”

Hampton was elected to the MPS school board in 1978, where he served for four years. “It was during this time that he suggested to the district’s human resource office that the district should hire more racial diversity to the school district,” said Verita Cloyd, who taught at MPS for 37 years. A South Carolina native, Cloyd was a teacher who came to Midland because of Hampton’s recruitment efforts. MPS came to her college in North Carolina. It was not until a few years later that she learned about Hampton’s diversity recruitment mission. “I had no idea that he was the person who suggested that recruitment effort,” Cloyd said. “I owe him my whole career.”

Hampton made another landmark achievement in the 1980s. In May 1986, Hampton and Bettye and Bill Greene became the first Black employees to retire from Dow. Retirement did not last long for him, however. Hampton went on to work as the director of affirmative action at Saginaw Valley State University, working to recruit people of color to the university.

Hampton also served as board president of the Dow Chemical Employees Credit Union (now Dow Credit Union), president of the Midland Kiwanis Club, and as a board member of the Arc of Midland. Jones added that he was involved in church as well, serving as a deacon at Memorial Presbyterian Church, in Midland.

Before retiring for good in the 1990s, he went full circle in his working life to working at a pharmacy in Coleman. Jones said his legacy in Midland was that of educating the community and bettering it for the Black population. “It was a matter of making a place that was familiar and safe for a new population,” Jones said. “That is what it was all about. Leroy was not the only one involved in it, but certainly he was one of the civic leaders in that effort.”

Upcoming Dates, Events, and Other Updates

- January 9 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - January 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771. **Please note: This Board meeting is being held on the second Monday of January, not the usual first Monday of most months due to the New Year’s Day holiday.**
- January 11 (7:00 – 8:30 PM) – MSU St. Andrews Family Astronomy Night free virtual event. Presentation topic: *Jupiter: King of the Planets*. Please see <https://standrews.msu.edu/family-astronomy-night/> for more information about these ongoing monthly programs and to access prior archived presentations.
- January 28 (9:00 AM – 3:00 PM) – The Midland Section ACS Diversity and Inclusion Committee and Mid-Michigan AIChE present *A Day in the Life of an Industrial Scientist* for undergraduate students pursuing a STEM major. Location: Gilbertson Hall GS 202, Saginaw Valley State University. Event is FREE. **Registration deadline is January 20.** Register at [Day in the Life of an Industrial Scientist](#). See the flyer in this newsletter for more details. Email Kim Dinh with questions at kdinh@dow.com.

- January 28 (10:00 AM to 3:00 PM) – Midland Section ACS Outreach event, “*Kids Day at the Midland Mall.*” Free event, cosponsored by Midland Section ACS and Midland Recyclers, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- February 6 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - February 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- March 6 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - March 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- March 26-30, 2023 – ACS Spring 2023 National Meeting & Exposition, Indianapolis. In-person and virtual hybrid meeting format. Meeting theme: *Crossroads of Chemistry*. For more information about the ACS Spring 2023 meeting, please see [ACS Spring 2023](#).
- March 31 – **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 3 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - April 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- April 4 – **Deadline to submit abstracts for the ACS Fall 2023 National Meeting & Exposition**, San Francisco, CA, August 13-17, 2023 (in-person and virtual). Meeting theme: *Harnessing the Power of Data*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- April 22 (11:00 AM to 3:00 PM) – Midland Section ACS Outreach event, “*Earth Day Action Expo 2023.*” Free event at H.H. Dow High School, in Midland, open to everyone. For more information, please contact Gina Malczewski at reginamalczewski@gmail.com.
- May 1 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - May 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- May 3 (5:30 – 9:00 PM, tentative) – Midland Section ACS Spring Awards Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: TBD. For more information or any questions, please contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- June 5 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - June 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- June 6 (9:00 AM to 5:00 PM) – 2023 Turner J. Alfrey Visiting Professor program, featuring Prof. Karen Wooley from Texas A&M University, MSU St. Andrews, 1910 West St. Andrews Road, Midland. For more information, please contact Clare Light at lightcla@msu.edu.
- August 7 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - August 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.

- August 13-17, 2023 – ACS Fall 2023 National Meeting & Exposition, San Francisco, CA. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Harnessing the Power of Data*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).
- September 11 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - September 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771. **Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months due to the Labor Day holiday.**
- October 2 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - October 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- November 6 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - November 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.
- December 4 (7:00 – 8:00 PM) – Hybrid Midland Section ACS Board meeting, MSU St. Andrews, Midland (in person), and via a WebEx conference call connection at [Webex Board Meeting - December 2022](#), Meeting number: 2651 874 4771, or by phone at Phone number: 650-215-5228, Access code: 2651 874 4771.

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