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Contents

Chair Column

Erin Vogel, Chair, Midland Section ACS

This month, I am pleased to highlight our newest ACS Fellow, Michelle Rivard. Michelle is an R&D/TS&D Analytical Technologist within Dow's Analytical Science Group. She received her B.S. in Biochemistry from Central Michigan University and has nearly 28 years of experience as a Chemical Technical Professional. Michelle's specialization lies in silicone materials measurement science, particularly in Gas Chromatography (GC) and Surface Area and Pore Structure analysis by Gas Adsorption (BET), as well as liquid and solid density measurements using a Gas Pycnometer. Currently, she manages a walk-up GC user lab dedicated to Dow's Performance Silicones at the Central Campus, facilitating access to critical analytical tools for our teams. In addition, she plays a pivotal role in coordinating analytical testing to meet regulatory and registration requirements (such as REACH), ensuring compliance and product safety. Furthermore, she is actively involved in developing official validated test methods for Dow's internal operations and external manufacturing partners, contributing to the quality and efficiency of our processes. I will let Michelle take it from here.

Michelle Rivard

What does your typical day look like and what's the best part of your job?

It's interesting how our career paths can evolve over time! Transitioning from hands-on lab work to project coordination and testing is opening new dimensions of fulfillment and impact for me. While I may not be in the lab as often now, my role as a coordinator allows me to leverage my expertise and skills in a different way. Interacting with colleagues, writing reports, and attending meetings are integral aspects of project coordination that contribute significantly to the success of scientific endeavors. Coordinating projects involves managing

timelines, resources, and communication among team members, which requires strong organizational and interpersonal skills.

Apart from the science, chemistry, and the wonderful people I work with, one of the most rewarding aspects of my job is the opportunity to enjoy the perks of working for a global company. These perks include international exposure, career development opportunities, networking and collaboration, travel opportunities (including personal use of Dow's corporate shuttle), and access to cutting-edge resources.

What is your WHY, for why you are in and stay in science?

My motivation for staying in science stems from the diverse and dynamic nature of my role. I thrive on the continuous change and evolution of projects, which keeps me engaged and challenged. Interacting with colleagues from around the world adds another layer of excitement and enrichment to my work. This global collaboration not only broadens my perspective but also enhances the impact and scope of the scientific endeavors we undertake. Ultimately, being part of this dynamic and interconnected scientific community allows me to contribute meaningfully to advancements in my field while fostering valuable relationships and experiences along the way.

Who / What inspired you to become a scientist? Did anyone have a particular impact on your career choice?

Completing the wrong application form marked the beginning of my journey as a Chemical Technical Professional. Initially aspiring to become a veterinarian, I found myself on a detour that eventually led to a deeply fulfilling career. For more details on this transformative story, check out the May 12, 2022, edition of *ACS Industry Matters Newsletter* and the article titled, "How Completing the Wrong Application Form Launched a Career" here. (Editor's note: This article was also reprinted, in part, in the May 2022 issue of the *Midland Chemist*.)

Throughout my career, I have been fortunate to have impactful colleagues who have shaped my path and choices. Dr. Dale LeCaptain at CMU stands out for his significant influence on my academic and professional journey. In 2012, while balancing full-time work with part-time schooling, Dale recommended that I switch to CMU's Biochemistry program. This pivotal decision not only saved me valuable time but also accelerated my educational pursuits, setting the stage for my successful career trajectory. Another instrumental figure in my career is Dr. Amanda Palumbo, a valued colleague, friend, and champion. During her brief tenure as my boss, Amanda encouraged me to expand my technical role, pushing me to excel. She has also been a steadfast supporter of my involvement with the Midland Section ACS and the National ACS, fostering my professional growth and aspirations.

Have you had to overcome any barriers or obstacles over your career? How did you solve these?

Certainly! Throughout my career, I've encountered and successfully navigated various barriers and obstacles.

First, I managed the demand of juggling full-time work, part-time schooling, and raising a young family. This required effective time management and support from my networks and colleagues, who generously assisted with homework proofreading and guiding me through challenging math and chemistry problems.

Additionally, I discovered later in life that I am hard of hearing, a condition that went undiagnosed during my military family relocations. Coping with this challenge, especially in virtual or hybrid meetings where accents or soft-spoken individuals can be difficult to understand, has been an ongoing process. To address this, I rely on hearing aids and employ strategies like repeating questions to ensure clarity. If needed, I request questions to be written down or repeated by a colleague for better comprehension.

Last, I've encountered resistance from some management and colleagues regarding the value of a technician's involvement in local or national ACS activities. To overcome this, I've focused on building my personal brand around my ACS engagements, highlighting the professional development and networking opportunities they provide.

Overall, navigating these obstacles has reinforced my resilience and adaptability, demonstrating the importance of leveraging support networks and adopting innovative strategies to overcome challenges in both personal and professional spheres.

Have you volunteered or participated in an ACS event? What one and why? Why would you encourage others to participate?

I have actively volunteered and participated in various ACS events and activities throughout my career. Among them, my favorite initiative to coordinate is Project SEED. I've taken our program to new heights, expanding it from hosting zero to two students each summer to now accommodating 12 students annually. Additionally, I've introduced enriching experiences such as industrial tours, networking events, and even opportunities to attend National ACS meetings for the students to present their summer research.

I encourage others to participate in ACS events like Project SEED because of the profound impact they have on young aspiring scientists. These initiatives provide invaluable hands-on learning opportunities, mentorship, and exposure to the broader scientific community. By supporting and engaging in such programs, we can inspire and nurture the next generation of scientific talent, fostering innovation and diversity within our field.

What gives you fulfillment outside of work? What do you like to do to unwind?

Outside of work, I find fulfillment through coordinating Project SEED and indulging in my passion for travel. Traveling is a particular joy for me – I often joke with my colleagues that I work to fund my next vacation! Last year was especially memorable as I managed to embark on a vacation every month. These trips ranged from small weekend getaways to extending work-related travel, to ten days in Hawaii island hopping, allowing me to consistently unwind and savor quality time away each month.

Project SEED Student Testimonials

Michelle Rivard, Project SEED Program Coordinator, Midland Section ACS

Editor's note: From Michelle Rivard's Dow career and ACS volunteer roles story in the preceding Chair Column article, we learned that she has a particular volunteer role passion for the ACS Project SEED program and its transformative, positive influence on high school students. In most cases, a Project SEED experience will launch student participants onto a path to pursue college or university degree programs that will set the stage for their careers in varied science-related fields.

Michelle reached out to a few of this year's Project SEED students – those who will be going into their second or potentially third year of the program – and asked them to share how this program has affected their life. Please take the time to read through their inspirational reflections.

Derek Schoch

Describe yourself and tell us about your goals after high school.

I attribute my success both academically and socially to small town life. Through high school I have been very academically successful earning salutatorian honors for my class. I've also been fortunate enough to have the opportunity to present scientific posters at the local ACS fall scientific conferences and at a National ACS meeting. In my personal life, I have earned the rank of Eagle Scout. My most cherished personal achievement is coaching the fifth-grade boys basketball team. While things started off slow, the group has improved tremendously, and they all have bright futures as basketball players ahead of them. My biggest goal in life is to never stop improving. There is always something that I can improve, and my intention is to do just that. After high school, I plan on pursuing the study of chemistry through college. My career goal is to become an agricultural chemist which will combine two of my passions which are research and agriculture. For my personal life, I hope to start a family and give them the opportunities that I never had growing up. I also hope to become a coach so that I can give back to the basketball community and hopefully inspire some kids to work hard and get what they deserve out of life.

Why do you want to participate in Project SEED? Elaborate on how this program might affect your education, your passion for science, and/or impact your life.

Going into potentially my third year of Project SEED, I have two main goals in mind. Goal number one is to improve my personal ability to conduct research. I want to better prepare myself for the challenges that I may face later in a university or even in my career. My second goal revolves around networking. I've found that I can meet a lot of fantastic people through Project SEED. I've also learned that by forming bonds with those very people, I am opening doors for my future that I didn't even know existed before. With these goals in mind, I hope to make the most of my Project SEED experience and share those experiences with other people so that they, too, can experience the possibilities that Project SEED has to offer.

Joe Likavec

Describe yourself and tell us about your goals after high school.

I have a strong interest in science and have always been keen on pursuing research. After finishing high school, my plan is to enroll in a four-year university to study engineering or another STEM discipline. My goal post-graduation is to work in an industry where I can apply my skills and knowledge. I am also open to the idea of further education to engage in research opportunities.

Why do you want to participate in Project SEED? Elaborate on how this program might affect your education, your passion for science, and/or impact your life.

I am interested in participating in Project SEED again this summer after a positive and insightful experience last year. The program not only heightened my appreciation for chemistry but also reinforced my academic self-confidence, particularly in STEM fields. It provided me with the opportunity to collaborate with college-level peers and instructors, which was instrumental in preparing me for future educational pursuits. Through Project SEED, I gained a clearer understanding of research methodologies and the importance of teamwork in scientific inquiry. This program exposure has encouraged me to seek further research opportunities and has equipped me with skills valuable for both academic and professional growth. I look forward to building on these experiences, enhancing my understanding of chemistry and further developing my research skills.

Kennedy Holt

Describe yourself and tell us about your goals after high school.

I am in an early-college program and although I am not sure of my exact major yet, I know that science is my passion and I want to explore as much as I can during this time. I swam competitively with the Midland Dolphins for six years and my hobbies include writing, theater, fencing, and art. I am interested in chemistry, aviation, and engineering and I plan to continue in college to obtain an undergraduate and master's degree, eventually. I am also very interested in research, and I hope to work with either chemistry or aviation (or both) in a career that possibly includes research and/or engineering of some kind.

Why do you want to participate in Project SEED? Elaborate on how this program might affect your education, your passion for science, and/or impact your life.

I want to participate in Project SEED because it was one of the greatest learning experiences I have ever been privileged to take part in. I am always eager to take on new challenges and expand my knowledge in the field of science. Being able to participate in Project SEED has already had a positive impact on my life because I know I would not have had the opportunity to participate in an actual research project without this opportunity. If I am allowed to participate in the upcoming Project SEED program, I know that it would greatly advance my love for science and would also strengthen my hope of becoming a successful researcher or engineer one day. Being a part of Project SEED has already helped shape my career goals and dreams and has introduced me to research, an experience not otherwise accessible for a high school/early-college student. I would be honored to be able to take part in this incredible program once again.

Bettye Washington Greene National Historic Chemical Landmark Dedication

Mark Jones, Director and Historian, Midland Section ACS

Dr. Bettye Washington Greene (1935-1995) was honored on March 16, 2024, as the National Historic Chemical Landmark in her honor was dedicated. The dedication occurred concurrent with the Delta Sigma Theta Midland Alumnae Chapter's 40th anniversary celebration. Dr. Greene was the first Black American female Ph.D. chemist to be hired by the U.S. Chemical Industry. Dr. Greene was a Midland resident employed by The Dow Chemical Company. When she received her Ph.D. from the Wayne State University Department of Chemistry in 1965, she was only the fifth Black female to be granted a Ph.D. by a U.S. university. Dr. Greene specialized in polymer chemistry and was an expert in light-scattering techniques for particle size determination. It was the focus of her thesis, and she used her skills in the study of latexes, pharmaceuticals, paints, and more during her career. She was granted three patents during her Dow career years. Dr. Greene was one of the founding members of the Midland Delta Sigma Theta Chapter. She retired from Dow in 1990 and died on June 16, 1995, at the age of 60.

"I am elated that the ACS is recognizing the pioneering efforts of Dr. Washington Greene," said Dr. Dorothy Phillips, Chair-elect of the American Chemical Society, former Midland resident, and Delta Sigma Theta member. "Bettye and I were co-workers at Dow for 10 years. Yes, I stand on the shoulders of Dr. Bettye Green, a trailblazer in the impact of African Americans on the chemical enterprise." Dr. Phillips continued, "She blazed a trail for all who followed her."

"The National Historic Chemical Landmark dedication recognized the life, legacy, and contributions of a remarkable scientist," said Alveda J. Williams, Ph.D., Dow chief inclusion officer. "I hold the utmost appreciation, admiration, and respect for Dr. Bettye Washington Greene, a true pioneer who built bridges and knocked down walls for all who followed her. The dedication event served as a reminder of the obligation that we have to make our workplaces and our world better for those who come after us."

The dedication ceremony was accompanied by comments from Dr. Siaka Yusef, winner of the inaugural Bettye Washington Greene Award for Outstanding Scientist given jointly by the Midland Section of the ACS and the Midland National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) professional chapter. A plaque provided by the ACS will be installed at the Midland Center for the Arts Hall of Ideas. This is one of a number of honors recently bestowed upon Dr. Greene. Wayne State University Department of Chemistry launched the Bettye Washington Greene Endowed Lecture Series in 2022, funded in part by the Dow Chemical Company Foundation. There is now a conference room named in her honor in the Global Dow Center and a copy of her thesis is on display. In 2023, the Midland Section ACS worked with Midland Public Schools to host a professional development activity providing information about Dr. Greene to local teachers.

The Midland Alumnae Chapter of Delta Sigma Theta Sorority was chartered on March 17, 1984, by 12 African American women, including Dr. Greene. The charter group consisted of college-educated Black women representing law, social work, education, science, and entrepreneurship.

The American Chemical Society established the National Historic Chemical Landmarks program in 1992 to recognize important achievements in the history of chemistry and to increase public awareness of chemistry's

contributions to society. Notably, the 100th National Historic Chemical Landmark honors Dr. Greene. The Landmark is shared between Wayne State University in Detroit and The Dow Chemical Company in Midland. The Wayne State Landmark was dedicated on the Wayne State campus on October 27, 2023. Midland and Dow have previously been recognized with two Landmarks – the electrolytic production of bromine by Herbert Dow was dedicated in 1997 and the invention of gas chromatography-mass spectrometry was dedicated in 2019. Midland is now home to three of the State of Michigan's five National Historic Chemical Landmarks.

Additional information about Dr. Greene is available due to the efforts of Dr. Sibrina Collins of Lawrence Technological University. She was one of the driving forces behind documenting Dr. Greene as the first Black female Ph.D. hire in the U.S. chemical industry, as well as uncovering other stories of pioneering Black chemists and chemical engineers. In addition to articles about Dr. Greene (https://pubs.acs.org/doi/10.1021/acs.langmuir.3c03569?ref=LABettyeGreene), Dr. Collins facilitated the creation of a movie about Dr. Greene's life (https://www.youtube.com/watch?v=7cVw7VhwC8o&t=17s) and contributed to the booklet created by the ACS for the Landmark (https://www.acs.org/education/whatischemistry/landmarks/greene.html).

Dr. Siaka Yusef (left at podium), winner of the inaugural Midland Section ACS Bettye Washington Greene Award for Outstanding Scientist, makes comments during the dedication ceremony. Dr. Angelar Muthike (middle front), represented the Midland Section ACS, as Dr. Vennesa Jansma (front right) holds a representation of the plaque to be mounted in the Midland Center for the Arts Hall of Ideas. Joining them on stage are Wanda Stringfield (back left), 40th Anniversary Committee Chair of the Delta Sigma Theta Midland Chapter and Dr. Linda M. Holoman (back center), President of the Delta Sigma Theta Midland Chapter.

Summer Jam Social Event, June 19

Kim Dinh, Diversity and Inclusion Committee, Midland Section ACS

Please join the Midland Section ACS Young Chemist Committee (YCC), Women Chemist Committee (WCC), Diversity and Inclusion Committee, and the Mid-Michigan Technicians Group (MMTG) for a summer social event on Wednesday, May 19, 5:00 to 10:00 PM, at Three Bridges Distillery and Taproom, 240 East Main Street, Suite A, Midland.

Food and drinks will be provided but an RSVP is requested to help plan for adequate supplies. For more information or any questions, please contact Kim Dinh at kdinh@dow.com. Please share this information with anyone who may be interested.

NOBCChE Regional Symposium, June 22-23
Jade Bing, Midwest Regional Chair, NOBCChE

DEADLINE EXTENDED TO 5/31/24

Registration & Abstract Submission:

tinyurl.com/MWRS2024

Website:

sites.google.com/view/midwestnobcche

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Questions? Contact Dr. Jade Bing at mwregion@nobcche.org

ACS Fall 2024 Meeting and Exposition, August 18-22
Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The information contained in this article is reprinted, in part, from material provided in email messages posted to all ACS members, dated March 5, 2024, and May 16, 2024.

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.

Register and join us from August 18 - 22 for ACS Fall 2024! We'll be in-person in **Denver, CO** at the **Colorado Convention Center** or virtually across the globe. The meeting theme, **Elevating Chemistry**, will be at the core of programming for the hybrid event. The **Schedule Overview** is available for you to explore the overall meeting schedule.

Join Us Virtually – Global Virtual Symposia is a programming opportunity for presenters and attendees to participate in ACS Fall 2024 virtually at the convenience of their own time zone. While in-person participants and general programming will be set to local time in Denver, CO, select symposia will be set to daytime hours in Asia, Africa, Europe, the Middle East, and Latin America. Global Reach, Local Time! Click here to **Learn More**.

Midland Section ACS Wins 26 Outstanding Performance Awards in the First 56 Years of the Award

Wendell L. Dilling, Past Historian, Midland Section ACS

The Midland Section ACS has won almost half (26/56) of the awards given by the National ACS for Outstanding Performance by a Local Section that a single section can possibly win since the award's inception in 1968. The New York Section is second with 20/56 (Table 1).

The first ACS Awards for Outstanding Performance by Local Sections were presented to four local sections (Table 2). Given to one local section then in each of the four size categories, the award combined two previous awards – member relations achievements and public relations. The winners were selected on the basis of their 1967 annual reports. The local section size categories have now increased to six (Table 2).

Eighty-three local sections have won at least one award while approximately 104 have received none. The number of local sections has increased and decreased over the years. There were 187 sections in 1996. The complete official list of winning local sections is shown in Table 2. The winners from 1968 to 2022 were compiled with the assistance of Mark O'Brien, Senior Portfolio Manager, Component Services, Membership Division, American Chemical Society. The data for 2023 are from *Chemical and Engineering News* (*C&EN*).

The Midland Section ACS has decreased in size from medium-large in 1973-2001 to medium in 2003-2021 and to medium-small in 2022-2023.

The Midland Section ACS won its first Outstanding Performance Award in 1974 for its performance in 1973 under the leadership of Dr. Donald Petersen. Sixteen years passed before another award was won in 1991. After another nine years, the awards came more rapidly and the final 12 (2012-2023 and counting) were won consecutively.

By comparison, the New York Section was cited as having won the award "nearly ten consecutive years" (*C&EN*, 12-2-98, p 2) (references given as month-day-year). However, the data in Table 2 show only two three-consecutive-year periods during that time for New York. This apparently conflicting information may have come from *C&EN* where data sometimes differ from the official ACS data. Another claim for a long period of consecutive winning years is for Illinois Heartland winning the award "for the ninth year in a row" (*C&EN*, 10-13-08, p 39). This Section has won only four outstanding performance awards (Tables 1 and 2), but a Section name change may have occurred, from Illinois-Iowa to Illinois Heartland during this time, which could explain the apparent discrepancy. Possible section name changes should be kept in mind when examining the data in this report.

Unfortunately, some data for winners and dates reported on the official ACS list, *C&EN*, and the National ACS website do not agree. We have chosen to use the official ACS list in this report as likely being the most accurate. This lack of agreement among various sources may explain the differences in this and previous reports on this subject, *The Midland Chemist*, **2001**, No. 8 (Dec.), p. 28; **2021**, No. 5 (May), p. 3; and **2023**, No. 12 (Dec.), p. 7. The present report is a direct follow-up to the 2021 report.

Regardless of this lack of agreement among various sources of information on the awards for Outstanding Performance by a Local Section, the Midland Section ACS is clearly ahead of all other local sections in the number of awards received.

Table 1. Number of Awards for ACS Outstanding Performance by a Local Section Won by Each Local Section (1968-2023).

Local Section	No. of Awards	Local Section	No. of Awards	Local Section	No. of Awards
Midland	26	Louisiana	4	Wilson Dam	2
New York	20	Mississippi	4	Alaska	1
St. Louis	12	Northeast Oklahoma	4	Binghamton	1
Central North Carolina	11	Northeast Tennessee	4	Central Arizona	1
Delaware	11	Philadelphia	4	Colorado	1
Brazosport	9	Southwest Georgia	4	Connecticut Valley	1
Corning	9	Central Utah	3	Dallas-Fort Worth	1
North Jersey	9	Detroit	3	Illinois-Iowa Border	1
Chicago	8	Indiana-Kentucky Border	3	Lake Superior	1
Indiana	8	Kalamazoo	3	Lehigh Valley	1
Rochester	8	Kanawha Valley	3	Maryland	1
Kentucky Lake	7	Memphis	3	Michigan State University	1
Savannah River	7	Montana	3	Mid-Hudson	1
Cincinnati	6	Northeastern	3	Milwaukee	1
Nashville	6	Norwich	3	Minnesota	1
Peoria	6	Pensacola	3	Mobile	1
Akron	5	Portland	3	North Carolina	1
Dayton	5	Richland	3	Northwest Louisiana	1
Kansas City	5	South Jersey	3	Orange County	1
Pittsburgh	5	Cleveland	2	Penn-Ohio Border	1
San Diego	5	East Tennessee	2	Permian Basin	1
Wichita Falls-Duncan	5	Eastern North Carolina	2	Princeton	1
California	4	Erie	2	Rock River	1
Central Wisconsin	4	Joliet	2	San Antonio	1
Eastern New York	4	Puerto Rico	2	South Plains	1
Greater Houston	4	South Texas	2	Western Vermont	1
Illinois Heartland	4	Southern Illinois	2	Wyoming	1
Illinois-Iowa	4	Virginia	2		

Table 2. Summary of National ACS Data on All Winners of Outstanding Performance Awards by a Local Section (1968-2023).

Award Year[a]	Date reported in *C&EN*, page	Small Sections	Medium Small Sections	Medium Sections	Medium Large Sections	Large Sections	Very Large Sections
	Member count	**<200**	**200-499**		**500-1000**	**>1000**	
1968	10-7-68, p 80 2-17-69, p 41	Eastern North Carolina	Central Arizona		Eastern New York	Philadelphia	
1969		Mississippi	South Jersey		Virginia	Connecticut Valley	
1970	4-12-71, p 40	Mississippi	South Jersey		Louisiana	Rochester	
1971	9-13-71, p 59	Mississippi	South Jersey		Louisiana	Akron	
1972	10-2-72, p 38	Central Utah	Peoria		Eastern New York	Akron	
1973	9-3-73, p 48	Western Vermont	Puerto Rico		Milwaukee	Delaware	
1974	9-9-74, p 28	Permian Basin	Kanawha Valley		Midland	Delaware	
1975	8-25-75, p 47	South Plains	Central North Carolina		Orange County	Delaware	
1976	8-30-76, p 55	Mississippi	Kanawha Valley		Louisiana	Delaware	
1977	8-29-77, p 54 9-12-77, p 67[b]	Central Wisconsin	Central North Carolina		Kansas City	Delaware	
1978		Central Wisconsin	Portland		Louisiana	Rochester	
1979	9-10-79, p 80	Wilson Dam	Central North Carolina		Eastern New York	Akron	
1980	8-25-80, p 50 10-27-80, p 40	Central Wisconsin, Norwich, Wilson Dam	Central North Carolina, Savannah River		Kalamazoo	St. Louis	
1981	8-24-81, p 41	Norwich, Wichita Falls-Duncan	Corning, Richland		Kalamazoo	Akron, California, St. Louis	
	Member count	**<200**	**200-399**	**400-799**	**800-1999**	**>1999**	
1982	9-13-82, p 61	Wichita Falls-Duncan	Corning	Central North Carolina	Rochester	New York	
1983	8-29-83, p 52 9-12-83, p 50[c] 9-19-83, p 59[d]	Norwich	Central North Carolina	Northeast Oklahoma	Rochester	Delaware	
1984	9-10-84, p 48 9-17-84, p 50 10-8-84, p 27	Wichita Falls-Duncan	Corning	Northeast Oklahoma	St. Louis	Delaware	
1985	9-9-85, p 31 9-23-85, p 50 10-21-85, p 37 4-21-86, p 71	Wichita Falls-Duncan	Corning, Puerto Rico	Central North Carolina	Cincinnati	North Jersey	
1986	9-8-86, p 49 9-29-86, p 84 11-3-86, p 38	Southwest Georgia, Wichita Falls-Duncan	Corning	Kansas City	Cincinnati	North Jersey	
1987	9-21-87, p 70 11-9-87, p 39	Joliet	Kanawha Valley	Kansas City	St. Louis	Chicago, New York	
1988	10-3-88, p 74 10-10-88, p 48 10-17-88, p 42	Rock River	Corning	Central North Carolina	Cincinnati	Delaware	

1989	10-2-89, p 43	Southwest Georgia	Corning	Dayton	Cincinnati, Virginia	Chicago	
1990	10-1-90, p 48[c]	Northwest Louisiana	Brazosport	Central North Carolina, Kansas City	Akron	Northeastern	
1991	9-9-91, p 42[e] 11-4-91, p 40	Montana	South Texas	Central North Carolina, Kansas City	Midland	Chicago	
1992	9-7-92, p 46[f] 10-19-92, p 54	Montana	Eastern North Carolina	Dayton	Midland, Rochester	New York, Philadelphia	
1993	9-6-93, p 36[g] 10-4-93, p 35[h]	Lake Superior, Montana	Corning, Joliet, South Texas	Kalamazoo	Midland, Pittsburgh, St. Louis	New York, North Jersey	
1994	9-5-94, p 42[i] 10-17-94, p 63	Central Wisconsin, Pensacola	Corning	Central North Carolina, Northeast Tennessee	Midland, Pittsburgh, St. Louis	New York	
1995	9-4-95, p 45[j] 11-6-95, p 31	Illinois-Iowa	San Antonio	Northeast Tennessee	Midland	Chicago, Philadelphia	
1996	9-9-96, p 45[k] 9-22-97, p 59[l] 11-3-97, p 59[l]	Central Utah, Illinois-Iowa	Memphis	East Tennessee	Maryland, St. Louis	New York	
1997	9-7-98, p 44 11-23-98, p 50[m]	Illinois-Iowa	Northeast Oklahoma	Dayton, Memphis	St. Louis	New York	
1998	9-6-99, p 54 9-20-99, p 79	Southern Illinois	Northeast Oklahoma	Dayton, Memphis	Cleveland	New York, North Jersey	
	Member count	**<200**	**200-399**	**400-799**	**800-1599**	**1600-3199**	**>3199**
1999	9-18-00, p 75[n] 9-18-00, p 76 10-16-00, p 49	Illinois-Iowa	Peoria	East Tennessee, Northeast Tennessee	Midland	San Diego	North Jersey
2000	9-24-01, p 46	Southern Illinois, Wyoming	Peoria	Michigan State University	Midland, Rochester	St. Louis	California
2001	9-30-02, p 49 10-28-02, p 71	Central Utah	Peoria	Northeast Tennessee	Midland	Detroit	Northeastern
2002	10-13-03, p 114 11-3-03, p 49	Indiana-Kentucky Border	Peoria	Nashville	Cleveland	St. Louis	North Jersey
2003	10-4-04, p 50 11-8-04, p 61	Indiana-Kentucky Border	Peoria	Midland	Princeton	Delaware	Chicago
2004	10-3-05, p 64 11-28-05, p 42	Illinois-Iowa Border	Illinois Heartland	Richland	Indiana	Delaware	New York
2005	12-18-06, p 70	Indiana-Kentucky Border	Illinois Heartland	Midland	Detroit	St. Louis	New York
2006	9-17-07, p 48 11-5-07, p 40	Pensacola	Illinois Heartland, Savannah River	Midland	Indiana	Minnesota	North Jersey
2007	10-13-08, p 38	Pensacola	Illinois Heartland	Midland	Detroit	Delaware	New York
2008	9-21-09, p 45	Mobile	Brazosport	Nashville	Eastern New York	Colorado	North Jersey
2009	10-11-10, p 46	Penn-Ohio Border	Brazosport	Nashville	Cincinnati	San Diego	Chicago
2010	10-10-11, p 56	Alaska	Savannah River	Midland	Indiana	San Diego	Northeastern
2011		Southwest Georgia	Savannah River	Richland	Lehigh Valley	San Diego	California

2012	10-14-13, p 41	Kentucky Lake	Mid-Hudson	Midland	St. Louis	Pittsburgh	New York
2013		Kentucky Lake	Brazosport	Midland	Nashville	Indiana	California
2014		Erie	Savannah River	Midland	Nashville	Pittsburgh	New York
2015	9-26-16, p 47	Erie	Brazosport	Midland	Dallas-Fort Worth	North Carolina	New York
2016	10-23-17, p 34	Binghamton	Kentucky Lake	Midland	Nashville	Indiana	Chicago
2017		Kentucky Lake	Savannah River	Midland	Indiana	San Diego	New York
2018		Kentucky Lake	Savannah River	Midland	Portland	Greater Houston	New York
2019		Southwest Georgia	Dayton	Midland	Portland	Greater Houston	New York
2020		Kentucky Lake	Brazosport	Midland	Pittsburgh	New York	Chiago
2021	9-19-22, p 29	Kentucky Lake	Brazosport	Midland	Cincinnati	North Jersey	Philadelphia
	Member count	**<200**	**200-449**	**450-599**	**600-999**	**1000-1999**	**>1999**
2022	9-25-23, p 35[o]	Brazosport	Midland	Rochester	Indiana	Greater Houston	New York
2023	9-25-23, p 35[o]	Brazosport	Midland	Rochester	Indiana	Greater Houston	New York

[a] Activities year on which the award was based was one year before the award year.
[b] This reference to the 1978 awards should refer to the 1977 awards.
[c] Some of the winners of these awards are noted in this reference.
[d] 1982 outstanding performance awards for local sections should read 1983.
[e] Photo shows Vicky Cobb from the Midland Section with representatives of other winning local sections.
[f] Photo shows Peter Dreyfuss from the Midland Section with representatives of other winning local sections.
[g] Photo shows Joan Holtschlag and Vicky Cobb both from the Midland Section with representatives of other winning local sections.
[h] Local Section Activities, Midland, Pittsburgh, and St. Louis should be tie for medium large, not tie for medium small.
[i] Photo shows Gretchen Kohl from the Midland Section with representatives of other winning local sections.
[j] Photo shows Robert Kohrman from the Midland Section with representatives of other winning local sections.
[k] Not a complete list of the winners for 1996.
[l] Not a complete list of the winners for 1996 and 1997.
[m] Labeled as 1998 awards.
[n] Photo shows Debora Bergstrom from the Midland Section with representatives of other winning local sections. New Jersey Section should read North Jersey.
[o] The data for 2023 were not available from the official ACS listing where all the other data in this table were obtained. The data for 2023 were from *C&EN*, 9-25-23, p 35. The winners for 2022 and 2023 were the same as recorded in the ACS listing and the *C&EN* reference noted. The winners for 2022 according to the 2022 ACS website were Kentucky Lake (Small Sections), Brazosport (Medium Small Sections), Midland (Medium Sections), Cincinnati (Medium Large Sections), North Jersey (Large Sections), Philadelphia (Very Large Sections). The winners for most of the sections in 2017-2020 did not agree with the official ACS data for these years (and many other years). The reasons for all the disagreements in many years is not known.

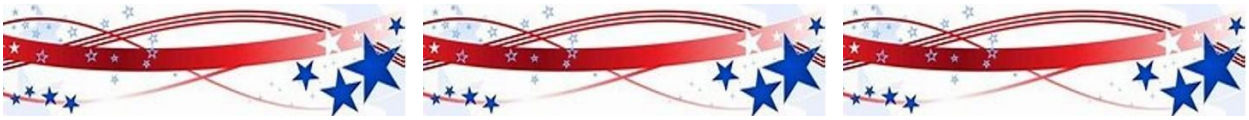


Photo of some of the awards for Outstanding Performance by a Local Section won by the Midland Section ACS (1974-2023). Photo taken at the Midland Section ACS Fall Scientific Meeting, November 3, 2023, by Patty Esch and Bingbing Li, Central Michigan University.

Congratulations to the 2024 Illustrated Poem Contest Winners
Hannah Bailey, Mid-Michigan Technicians Group, Midland Section ACS

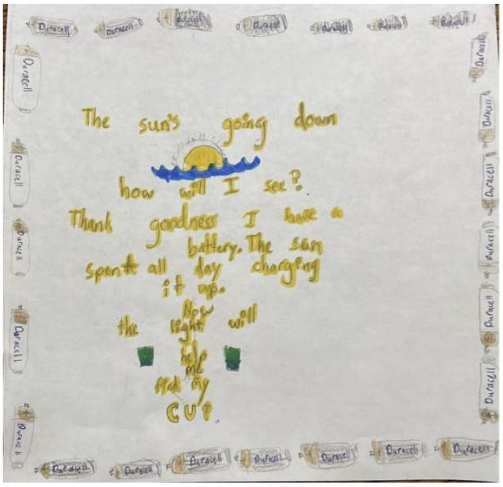
The Midland Section ACS congratulates the winners of the Chemists Celebrate Earth Week (CCEW) Illustrated Poem Contest. This year's theme was "Get a Charge Out of Chemistry." The illustrated poems of the 1st and 2nd place winners of the four grade-level categories are shown on pages 17-20.

Student	Grade Level	Placing	School
Claire V.	K-2	1st	Woodcrest Elementary
Shyam R.	K-2	2nd	Chestnut Hill Elementary
Kaitlyn V.	3-5	1st	Woodcrest Elementary
Davarrion R.	3-5	2nd	F.L.I.G.H.T. Homeschool Co-op CHEMinistry
Claire V. B.	6-8	1st	F.L.I.G.H.T. Homeschool Co-op CHEMinistry
Liam R.	6-8	2nd	F.L.I.G.H.T. Homeschool Co-op CHEMinistry
Stephen T.	9-12	1st	Freeland High School
Wyatt H.	9-12	2nd	Freeland High School

GET A CHARGE OUT OF CHEMISTRY

April 21-27, 2024 | #CCEW

www.acs.org/ccew

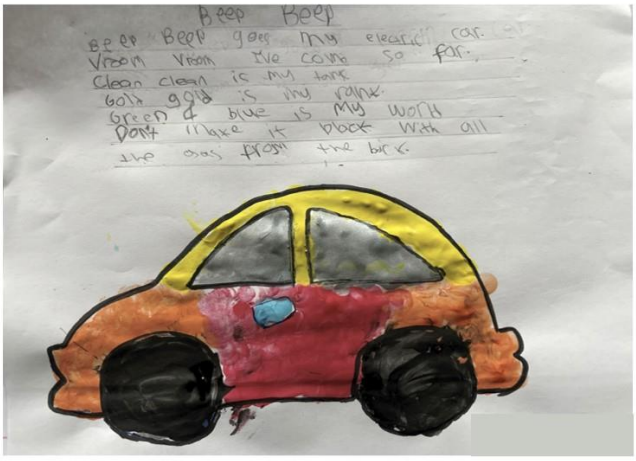


Midland ACS 2024 CCEW
Illustrated Poem Contest
1st Place
Claire V.
Grade Category K-2nd
Woodcrest Elementary

GET A CHARGE OUT OF CHEMISTRY

April 21-27, 2024 | #CCEW

www.acs.org/ccew

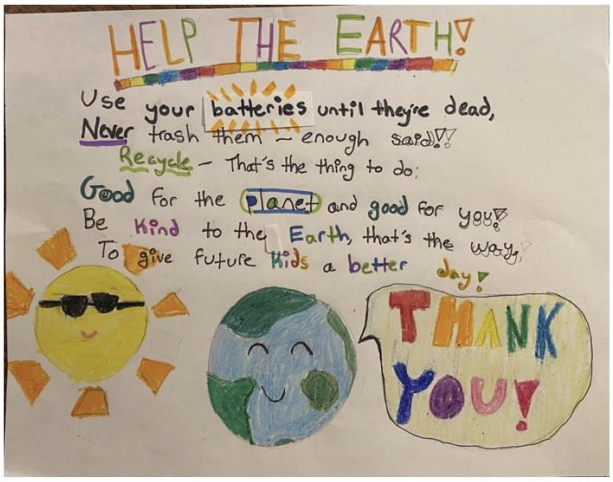


Midland ACS 2024 CCEW
Illustrated Poem Contest
2nd Place
Shyam R.
Grade Category K-2nd
Chestnut Hill Elementary

GET A CHARGE OUT OF CHEMISTRY

April 21-27, 2024 | #CCEW

www.acs.org/ccew

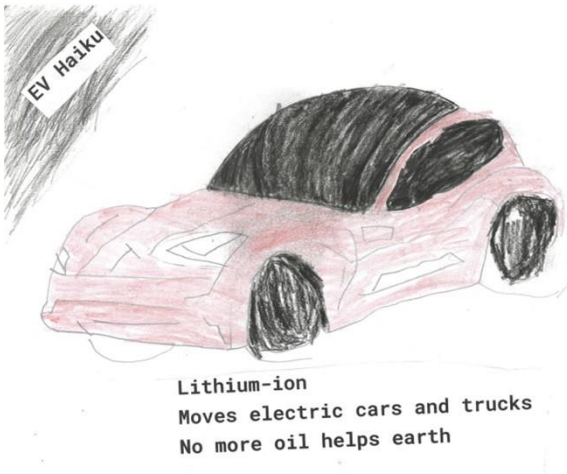


Midland ACS 2024 CCEW
Illustrated Poem Contest
1st Place
Kaitlyn V.
Grade Category 3-5th
Woodcrest Elementary

GET A CHARGE OUT OF CHEMISTRY

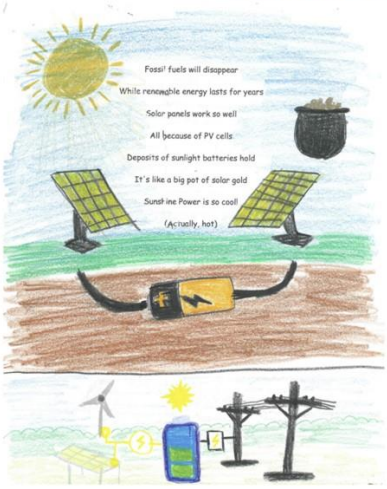
April 21-27, 2024 | #CCEW

www.acs.org/ccew



Midland ACS 2024 CCEW
Illustrated Poem Contest
2nd Place
Davarrion R.
Grade Category 3-5th
F.L.I.G.H.T Homeschool Co-op
CHEMinistry

GET A CHARGE OUT OF CHEMISTRY



April 21-27, 2024 | #CCEW

www.acs.org/ccew

ACS Chemistry for Life American Chemical Society | CHEMISTS CELEBRATE EARTH WEEK

Midland ACS 2024 CCEW

Illustrated Poem Contest

1st Place

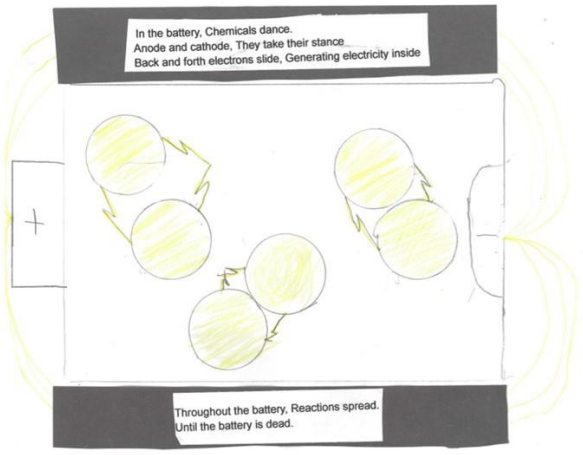
Claire V. B.

Grade Category 6-8th

F.L.I.G.H.T Homeschool Co-op

CHEMinistry

GET A CHARGE OUT OF CHEMISTRY



April 21-27, 2024 | #CCEW

www.acs.org/ccew

ACS Chemistry for Life American Chemical Society | CHEMISTS CELEBRATE EARTH WEEK

Midland ACS 2024 CCEW

Illustrated Poem Contest

2nd Place

Liam R.

Grade Category 6-8th

F.L.I.G.H.T Homeschool Co-op

CHEMinistry

GET A CHARGE OUT OF CHEMISTRY

April 21-27, 2024 | #CCEW

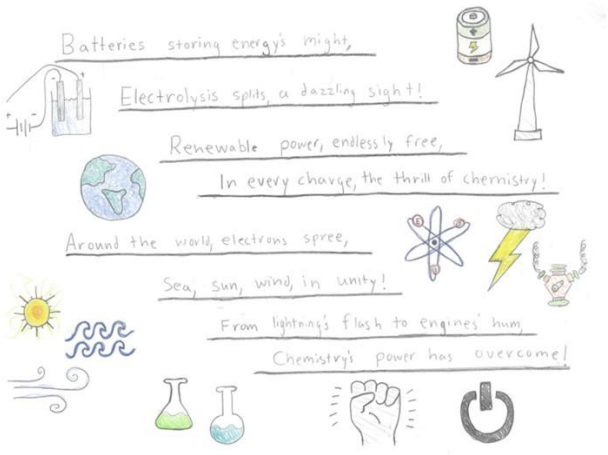
www.acs.org/ccew

Midland ACS 2024 CCEW
Illustrated Poem Contest
1st Place
Stephen T.
Grade Category 9-12th
Freeland High School

GET A CHARGE OUT OF CHEMISTRY

April 21-27, 2024 | #CCEW

www.acs.org/ccew



Midland ACS 2024 CCEW
Illustrated Poem Contest
2nd Place
Wyatt H.
Grade Category 9-12th
Freeland High School

Upcoming Dates, Events, and Other Updates

- May 1 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Recognition Banquet, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. Cost: $20.00 per person. For any questions, please contact Midland Section ACS Awards Committee Co-Chairs Wendy Flory (wcflory@dow.com) or Tami Sivy (tsivy@svsu.edu).
- May 6 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at May 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- May 7 (9:00 AM – 5:00 PM) – 2024 Turner J. Alfrey Visiting Professor Lecture Series program, featuring Prof. Tobin J. Marks from Northwestern University. This is a free event, but pre-registration is required to help plan for the networking luncheon. For more information or any questions, please contact Karol Miller at mill2785@msu.edu.
- May 21 (6:00 – 8:00 PM) – Detroit Section ACS Younger Chemists Committee dinner/lecture event, *Companion Planting*. 6:00 PM – Dutch treat dinner at O'Mara's Irish Restaurant, 2555 Twelve Mile Road, Berkley, MI. 7:00 PM – Lecture/presentation by Linda Simpson, Macomb County Master Gardening Association, MSU Extension. Please RSVP for dinner at https://forms.gle/5XUMoWg46ordYfof7.

- June 3 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at June 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- June 19 (5:00 – 10:00 PM) – Summer Jam Social event, cosponsored by Midland Section ACS Young Chemist Committee (YCC), Women Chemist Committee (WCC), Diversity and Inclusion Committee, and the Mid-Michigan Technicians Group, Three Bridges Distillery and Taproom, 240 East Main Street, Suite A, Midland. Food and drinks will be provided but an RSVP is requested to help plan for adequate supplies. For more information or any questions, please contact Kim Dinh at kdinh@dow.com.
- June 22-23 – NOBCChE Midwest Regional Symposium, Wayne State University, Detroit, MI. For more information, please see https://sites.google.com/view/midwestnobcche. For any questions, please contact Jade Bing, Midwest Regional Chair, NOBCChE, at mwregion@nobcche.org.

- August 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at August 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- August 18-22, 2024 – ACS Fall 2024 National Meeting & Exposition, Denver, CO. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Elevating Chemistry*. For more information, please see ACS Fall 2024 - American Chemical Society.

- September 9 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at September 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **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 7 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at October 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.

- November 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at November 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.

- December 2 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at December 2024 ACS Board Meeting Teams Link, Meeting ID: 939 576 147 515 1, Passcode: A52hAT.

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