



Dave Henton Receives ACS Regional Industrial Innovation Award

Dave Henton, shown with Midland Section Chair Joe Ceraso on the left and ACS President Charles P. Casey on the right, received one of three ACS regional industrial innovation awards at the 36th Central Regional Meeting in Indianapolis in June. See pg. 2.

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Chair Column

Congratulations to Section Member Dave Henton!

I am very delighted to report that Dr. David Henton has received a 2004 ACS Regional Industrial Innovation Award. Dave is a newly retired senior scientist of The Dow Chemical Company after nearly 31 years of service. He is being recognized for his inventions in the area of polymer and process chemistries for acrylonitrile-butadiene-styrene, ABS blends with polycarbonate, and polylactic acid. Having been a co-worker with Dave over for 20 years, I must add that he has been a leader among leaders in the technical development area. The people who work with him thoroughly enjoy their work. Presently, Dave is consulting for several industries in the area of material science, product development, and process chemistry. It is truly a unique honor to see Dave receive this award as a 33-year Midland Section ACS member. You'll find more information on Dave and the award he received in this issue of *The Midland Chemist*.



Joe Ceraso, Chair
ACS Midland Section

Upcoming Section events include the Midland County Fair Professional Day. This event is scheduled for August 16 from 4:00 to 7:00 p.m. Wendy Mathews (Dow) has been organizing the event to include science demonstrations and a professional day picnic event with refreshments and food for ACS, MMTG, YCC, and the ACS Division of Chemical Technicians. I thank Wendy and all the many volunteers who are donating time to make this an enjoyable event.

I would like to remind all members to put a hold on their calendar for the Midland Section Fall Scientific Meeting, which will occur at the Dow EDC facility on October 22, from 11:00 to 5:00 p.m. There will also be a workshop in the morning for people who would like to learn about starting a small business. Dale LeCaptain (CMU) and Buford Lemon (Dow) are co-chairs for the meeting. One of the topics in their program will include a description of Homeland Security activities.

Joe M. Ceraso

Henton Receives 2004 ACS Regional Industrial Innovation Award

By Joe Ceraso

Dr. David Henton received one of three ACS Regional Industrial Innovation Awards at the 36th Central Regional Meeting in Indianapolis in June. Dave has been a Midland Section member for 33 years. His numerous contributions to the field of polymer chemistry are widely acknowledged both within The Dow Chemical Company as well as outside of the company. Dave's role as an inventor, an implementer, an



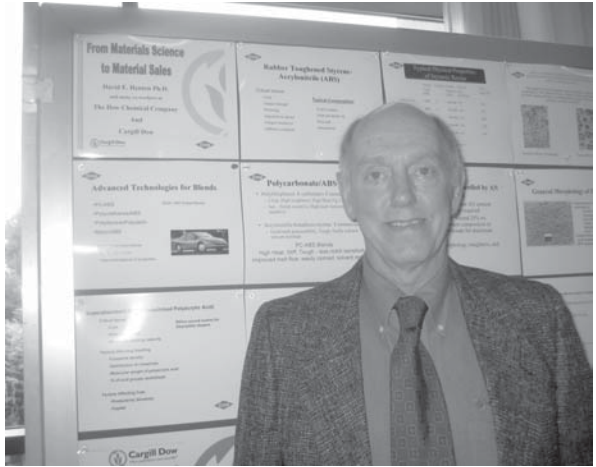
Dave Henton (middle) is congratulated by Joe Ceraso, Midland Section Chair (left) and Charles P. Casey, President, ACS (right).

advisor, and a mentor made him one of the top “go to” scientists within the company. There are numerous inventions and innovations in the polymer industry that Dave has lead over the past 30 years. A couple of the specific contributions selected, the development of low cost/high performance ABS resins and blends for molding applications, have had a significant long-term positive impact on Dow's commercial product line and value generation.

The rapid growth of the high-performance ABS and blends businesses of The Dow Chemical Company in the past 20 years has been based on innovations by Dave as the technology leader and a team of chemists and engineers. Dave led the development of a family of high-gloss emulsion ABS resins having a bi-modal rubber particle size distribution using an innovative hydrophilic-hydrophobic latex agglomeration technology (patented) to reduce the time required to produce the product from days to hours. Up to 10 times as much product could be made in the same equipment (versus the current process at that time) using this technology. These products have both high gloss and excellent toughness. These cost-effective products set the standard for performance in the industry.

The ABS product line was further improved by several inventions

claiming styrene-acrylonitrile copolymers containing tri-modal rubber particle size distributions as toughening components where the rubber particle size and morphology are controlled by using both bulk polymerization and emulsion polymerization technology. The ability to independently tailor the rubber particle size, distribution, and morphology provides Dow with a



Dave Henton presents his poster "From Materials Science to Material Sales."

competitive advantage in the marketplace and a product line that is unmatched in the industry. Products can now be manufactured that have any combination of toughness, surface aesthetics, and rheology while maintaining the low-cost position necessary to expand the business.

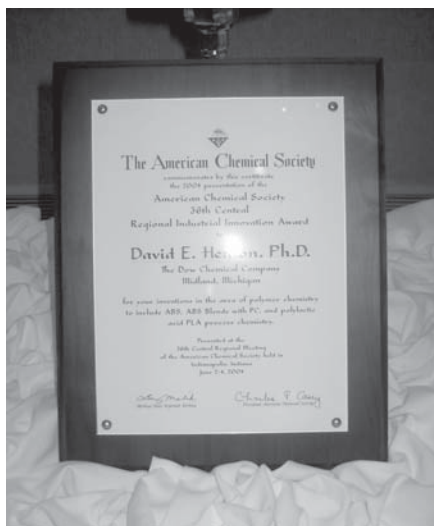
A significant portion of Dow's MAGNUM* ABS product line is based on Dave's tri-modal ABS technology. Dow sales of ABS based on Dave's innovation exceed 80 million pounds annually in North America. The ABS material science of rubber particle design, its molecular architecture, and its influence on structure/property relationships to include aesthetics, toughness, and rheology were pioneered and developed through Dave Henton's work and technical leadership.

Blends of ABS resins with other thermoplastics have further enhanced the growth of Dow's Engineering Plastics Business. Dave and his team developed unique technology for enhancing the compatibility of ABS with materials such as polycarbonate, nylon, and thermoplastic polyurethanes (TPU). Polycarbonate/ABS blends for automotive applications are sold under the trade name PULSE* and thermoplastic urethane/ABS blends are sold under the trade name PREVAIL* with global sales exceeding 100 million pounds annually. The basic structure-property relationships in PC/ABS and other blend systems such as TPU/ABS and nylon/ABS were initially developed through Dave's pioneering work. His work defined the key toughness relationships, such as property anisotropy, weld-line strength, and practical impact, in these complex multiphase immiscible polymer systems. He also explored the role of compatibilizers in these

**Trademark of The Dow Chemical Company*

multiphase blends through functional reactive chemical groups.

Dave's continuing contributions beyond the area of ABS are a measure of his overall skills and value as a scientist. His technical leadership in the field of current and emerging superabsorbent materials resulted in understanding critical fundamentals of reactor kinetics, via learnings in initiator decomposition kinetics, polymerization rate constants as a function of temperature, reaction order, and termination kinetics. Much of these data were obtained by some unique and quite elegant experimental techniques. Dave's work led to lower cost products with no detrimental impact on properties (an exceedingly difficult accomplishment!)



Further demonstrating his technical versatility, Dave provided technical leadership and vision for the Cargill Dow LLC company to produce valuable products such as polylactic acid (PLA) from renewable resources. Dave's impact covered everything from leading breakthroughs in the fermentation chemistry that produces the acid to providing guidance in the direction of polymer development. As vice president of Cargill Dow LLC R&D, Pat Gruber, explains: "Dave recently led a program to identify the root causes then solve aging and stress cracking in the PLA staple fiber process. The problem in a market sense was this: some of our fiber products would lose their properties over a period of time. Fibers account for a large share of CD's business. Having a product with intermittent failures makes commercial development that much more difficult and slow. Dave successfully pulled together a team of process, applications, polymer technology, and commercial people as well as outside companies to sort through and resolve the issues. It turns out that the problem was a combination of several factors: processing conditions, finish chemistry, product composition, and polymer structure. Dave and his team, in a few months time, were able to get the issues resolved to the point where the products perform such that Cargill Dow LLC had no delays in commercial development. To be successful he had to understand the business need, the impact, the complexity, the people, and the technology. The combination and breadth of Dave's technical and interpersonal skills made the difference."

Dave has also been diligent with his communications and activities inside and outside the company. In 2000, he received the Midland ACS Section award for Outstanding Achievement and Promotion of Chemical Sciences. He is the author/co-author of 100+ internal reports on new products, processes, material science, and fundamentals. He is also editor and author of an internal Dow Chemical textbook on ABS product and process technology (1994). He has co-authored chapters in two published textbooks.

A good portion of the technology that Dave developed is contained within the 27 patents for which he is an inventor/co-inventor and 13 outside journal articles.

In summary, Dave Henton has distinguished himself as a creative scientist and leader within the Dow community and throughout the community of polymer scientists around the world. His teammates are inspired by his leadership qualities and his continual mentoring.



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Undergraduate Travel Grants Available for 36th GLRM

Submitted by Steven Cermak
General Chair, 36th Great Lakes Regional Meeting

The 36th Great Lakes Regional Meeting (<http://membership.acs.org/g/ glrm04/>) will be held at the Pere Marquette Hotel, October 17–20, 2004, in Peoria, IL. A goal of the undergraduate student affiliates session is to encourage undergraduate researchers to present their research. For those undergraduate students who have limited funding to attend the meeting, a few travel awards (up to \$200) are available for qualified participants. To be eligible for the award you must be:

1. An undergraduate student
2. A member of ACS (either student affiliate or full member)
3. Presenting at the meeting

To submit an application, please fill out the application form (available at <http://membership.acs.org/g/ glrm04/students.htm>), attach your abstract and mail to:

Dr. Laura Moore
IWU ACS Student Affiliate Advisor
Chemistry Department
Illinois Wesleyan University
P.O. Box 2900
Bloomington, IL 61702-2900

The form must be postmarked by the abstract deadline (August 15). You will be notified by September 15 if you have received an award.

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Come to Professionals Day!

By Wendy Mathews

The Midland Section Professionals Day will be at the Midland County Fair, August 16, 2004, 4:00–7:00 p.m. The purpose of Professionals Day is to show appreciation to our members and their families and provide information on ACS, along with several of its affiliated groups, and their outreach to members and the public. The theme for the day will be “Health and Wellness,” the National Chemistry Week program for 2004.

National Chemistry Week 2004

Health and Wellness



American Chemical Society

Midland Local Section

Professionals Day

There will be a free picnic for members and their families with hot dogs, chips, and drink, and also science demonstrations with:

- | | |
|--------------------|-------------------|
| Free popcorn | Free cotton candy |
| Free balloons | Free dunk tank |
| Free snow cones | Free moonwalk |
| Free face painting | Free pop |

Discounted ride bands will be available for \$11 from 1:00 p.m. to closing. Come and join the fun!

Update on Mid-Michigan Technician Group

By Wendy Mathews

For those of you who do not know me, I would like to introduce myself. My name is Wendy Mathews, and I am currently the chairperson of the Mid-Michigan Technician Group (MMTG) as of May 2004. A little about me...I have been an active member with MMTG and the Midland Section ACS for the last five years. I have held office on the Executive Committee of the MMTG for the last four years, volunteered with several ACS outreach programs such as Sci-Fest, and been on the ACS Awards committee for four years. For the last three years I have been involved with the science demonstrations at the Midland County Fair, and this is my second year as chairperson of the ACS Professionals Day Picnic. I currently work at The Dow Chemical Company for Kelly Scientific.



MMTG has faced many challenges this year, including the resignation of two Executive Board members due to job adjustments. Thanks to the varied experience and training I have received through the ACS, along with the tremendous support I have received from our membership, I believe we have successfully transitioned and are on track for the remainder of the year. This smooth transition was not only due to our very supportive members, but also to the support and training that I have received from the Midland Section ACS, The Dow Chemical Company, the ACS Division of Chemical Technicians, Kelly Scientific, and MMTG. Without their support and sponsorship to attend the National ACS Meeting in New York, the leadership training in New Orleans, and the experience of serving on or chairing various committees, I would not have had the knowledge or skills to work through these last few months. Thank you all for your support.

Many area companies have undergone a series of changes and downsizing. Because this downsizing has affected many of our members, MMTG is forming an online job bank/search where displaced technicians and technologists can search for employment in our surrounding area. Wendy Klein has graciously taken on the leadership role in the development of this useful tool. I will announce when this service is functional.

MMTG is excited to announce that we are sponsoring a Skills Assessment Workshop this fall. The workshop is being presented by Ann Walker, who has presented many development workshops at national

ACS meetings. Ann will share concepts to help you identify your key competencies. You will be introduced to a simple assessment tool for identifying transferable skills and developing a personal skill profile. If you would like more information on Ann or her workshops contact me.

The activities MMTG has planned for the remainder of the year are:

- ACS Professionals Day Picnic—Midland County Fair (August 16, 2004)
- Skills Assessment Workshop, Ann Walker—October 7 and 8, 2004
- Fall Scientific Meeting, The Dow Chemical Company—October 22, 2004
- Sci-Fest, Delta College—October 23, 2004
- End of the year celebration—TBD.

Because of all the changes that have occurred in the last few months, we are canceling all other planned social events that may have been previously announced. If you have any ideas on seminars or workshops that you would like MMTG to consider bringing to the membership, please contact me. I am currently planning events for next year. If you have any questions, please feel free to contact me at anytime. My e-mail is wemathew@dow.com. If you are not a member and would like to become one or receive more information, contact Becky Swanson at raswanson@dow.com.

From the Editor

Calling All Musical Chemists!

By Ann Birch

Or is that chemical musicians? Years ago, when I started piano lessons, my piano teacher told me that I had a mathematical approach to music. Now that I am fully aware of the limitations of my musical talent, I am beginning to suspect she did not mean that as a compliment. Nevertheless, evidence is strong in the Midland Section that there is indeed a vital connection between science and music. Local scientists and engineers form a significant portion of the practicing musicians in the five-county Midland Section area.

Peggy Hill, staff writer for *The Midland Chemist*, is writing an article on chemical professionals who are also actively performing musicians. If you know of someone who fits this description (or if you fit this description), please contact Peggy at 989-463-6467 or e-mail her at mhill@chartermi.net. The article is not limited to Midland Section members, but it is limited to chemists, chemical technologists, and chemical engineers in the Midland Section five-county area.

Call for Posters

2004 Fall Scientific Meeting

Please consider presenting a poster at the Fall Scientific Meeting, which will be held on Friday, October 22, 2004. Abstracts are being accepted now through September 15, 2004. All areas of chemistry and chemistry-related topics are invited. For more information about the meeting check <http://membership.acs.org/m/midl/fsm04/index.htm>.

Abstract Format

Each abstract should contain; title, author(s) and author(s) affiliations, and abstract body text. The format specifics:

- Single spacing with blank line between title and author and between author and abstract body text
- Times New Roman size 12 font (or comparable)
- Submitted as an e-mail attachment in either Microsoft Word or Adobe Acrobat (pdf) format.
- 225 words or fewer
- Presenting author's name underlined (Note: The e-mail address of the submitter will be the default contact person for all additional information.)

E-mail abstracts to: vohs1jk@cmich.edu. Address questions to: Jason Vohs, Department of Chemistry, Central Michigan University, vohs1jk@cmich.edu.

Do you want to help with the planning of this year's meeting? Contact either Dale or Buford and we'll get you involved.

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lecap1dj@cmich.edu

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(989) 774-3993

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blemon@dow.com

Dow Chemical Company

(989) 636-4189

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Dow Corning Foundation Establishes Teacher Innovation Awards

Submitted by Anne DeBoer

The Dow Corning Foundation has established a \$50,000 Teacher Innovation Awards Program in partnership with the American Chemical Society (ACS), Midland Section. The program will award forty \$1,000 competitive grants to teachers in U.S. communities where Dow Corning employees work and live. An additional fifty \$200 grants also will be given, based on need in those communities.

“The Dow Corning Foundation recognizes that innovation is critical for testing new approaches to math, science, and technology education, as well as improving old approaches,” commented Marie N. Eckstein, Foundation president. “Teachers are key to what happens in any classroom. Our goal with this program is to encourage new learning and experiences for students by enhancing the skills and equipment that teachers have at their disposal.”

Awards can be used to purchase equipment, supplies, or training. The competitive \$1,000 awards will be based on the clarity and impact of the project’s goals and objectives. A plan to report the project’s results must be in place. An individual teacher or a team of teachers may apply for these grants. The \$200 awards have similar criteria, but will be given based on needs outlined for the particular schools in question.

Teachers in the following communities may apply for these awards:
Michigan—Bay, Midland, and Saginaw Counties
Indiana—Noble and Switzerland Counties
Kentucky—Carroll and Hardin Counties
North Carolina—Guilford County

Application materials are available on the ACS Midland Section’s web site at <http://membership.acs.org/M/Midl/Default.htm>. All information required for the application process can be submitted electronically. Applications are due by August 16, 2004, and awards will be announced in mid-September, so projects can be implemented in the 2004–2005 school year.

If the program proves successful, the Dow Corning Foundation will consider renewing funding for it. Questions about the program may be directed to Anne DeBoer, executive director, at 989-496-6290.



Call for Nominations

2004 Midland Section Awards

By Petar Dvornic

The Midland Section—ACS offers three major awards each year for outstanding performance by individuals. The criteria for each award are listed below. The Awards Committee encourages all section members to nominate deserving colleagues and appreciates your efforts in helping these individuals receive recognition for their efforts.

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. The recipient need not be an ACS member. Nominations should include a biographical sketch, list of pertinent publications, evidence of professional growth and involvement, and letters of support from colleagues. Previous recipients are:

1976	Turner Alfrey, Jr.	1990	Joseph E. Dunbar
1977	Etcyl H. Blair	1991	Thomas H. Lane
1978	David C. Young	1992	Donald A. Tomalia
1979	Vernon A. Stenger	1993	Dale J. Meier
1980	Daniel R. Stull	1994	Philip T. Delassus
1981	Bob A. Howell	1995	Duane B. Priddy
1982	Wendell L. Dilling	1996	Hans G. Elias
1983	Donald R. Weyenberg	1997	Ludo K. Frevel
1984	Edwin P. Plueddemann	1998	Patrick B. Smith
1985	Raymond P. Boyer	1999	David E. Henton
1986	Stanley P. Klesney	2000	Steven J. Martin
1987	Warren B. Crummett	2001	Edwin C. Steiner
1988	A. Lee Smith	2002	Thomas J. Delia
1989	Do Ik Lee	2003	Robert M. Nowak

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 of ACS. Nominees shall be members of the Midland Section. Nominations should include a biographical sketch, a history of service to the Midland Section, and supporting letters from fellow ACS members. Previous recipients are:

1989	David C. Young	1997	Thomas H. Lane
1990	Linneaus C. Dorman	1998	Vicky S. Cobb

1991	Donald R. Petersen	1999	Theodore E. Tabor
1992	Wendell L. Dilling	2000	Peter and Patricia Dreyfuss
1993	Bob A. Howell	2001	George W. Eastland, Jr.
1994	Eldon L. Graham	2002	Joan Sabourin
1995	Gretchen S. Kohl	2003	John Blizzard
1996	Fran K. Voci		

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. The ACS defines a chemical technician as a person whose training includes successful completion of a two-year post-high school level chemistry curriculum leading to an Associates Degree, or the equivalent course work in a Baccalaureate program, or the equivalent knowledge gained by experience. The primary work of a chemical technician is conducting experimentation and/or correlating information to help solve chemical problems and/or discover new chemical knowledge. Criteria used to judge the award include job skills, safety, teamwork, leadership, publications and presentations, reliability, communication skills, and additional professional and community activities. Nominees must have worked for five years as a chemical technician. Chemical technicians do not need to be a TECH Division Affiliate or ACS member to be eligible for this award. Nominations should include a biographical sketch and supporting letters that address each of the criteria above. Previous recipients are:

1997	Connie J. Murphy	2001	Gordon R. Roof
1998	David Stickle	2002	Cynthia J. Gould
1999	Ronald L. Good	2003	Robert D. Krystosek
2000	Kurt A. Bell		

The deadline for receipt of nominations and all supporting materials is September 6, 2004. Nominations should be sent to:

Petar Dvornic
Michigan Molecular Institute
1910 W. St. Andrews Road
Midland, MI 48640

Fax (989-832-5560) or electronic nominations are also welcome. If you have questions or need additional information, please contact Petar at 989-832-5555 x 550 or dvornic@mmi.org. Nominators should provide their address and phone number in case the committee needs to contact them. We look forward to hearing from you!

Chemists Celebrate Earth Day

By John Blizzard

As with National Chemistry Day, Earth Day (April 22, 2004) has become Earth Week in the Midland Section. The Midland Section of the American Chemical Society, National City Bank, Ogemaw Heights High School, Culligan, and Rainsoft joined forces to help celebrate Earth Day. The theme for Earth Day 2004 was "What do you know about H₂O?" Students from Ogemaw Heights High School, under the direction of chemistry teacher Doug Grezeszak, provided free water analysis for the public. The free testing took place at several locations over a one-week period in the Section. These included National City Bank, local grade schools, and intermediate schools.

Personnel from Culligan and Rainsoft trained a total of 22 Ogemaw Heights High School advanced placement chemistry students in water testing analysis. These students then performed the water testing for total dissolved solids, iron, and



hardness at the public testing sites. Approximately 680 area students were involved by bringing water samples from home for analysis. These data are being compiled by the high school students to form a countywide water quality map of the water analysis. When the data and mapping analysis is complete, the information will be sent home with area students so that parents can compare their individual water analysis to assist in determining if they should seek further testing and evaluation of their home drinking water.

Along with the free water analysis, information on water and free gifts were provided to the public. Students answered questions about water and provided information about the water analysis using posters. The 3 ft x 5 ft posters made by the high school students formed the basis for discussing water and the importance of clean water with the public. One individual brought in water samples from his water well along with a water sample from a nearby river. To the amazement of the homeowner and the students, the river water tested cleaner than his well water.

Also on Earth Day, an area-wide rivershed water analysis program was initiated. Water samples from rivers leading into the 43,000 acre Saginaw



Bay River watershed were taken and evaluated for water quality by area high school students. Testing included pH, hardness, flow, dissolved oxygen, nitrate, and phosphate content. This program is being done throughout the entire five-county Mid-

land Section area and beyond. The ACS-led program, funded by a grant from Dow Corning Foundation in concert with the Michigan Department of Environmental Quality, will continue for three years. Monitoring will take place each week by area high schools for the three-year program to aid in baselining the quality of the water in this ecologically sensitive area. This is the first time a program of this type and magnitude has been initiated to cover this important Michigan watershed.

Further, the Plastivan provided three days of education on the benefits, uses, and recycling of plastics to area schools. The nationally acclaimed program was brought to the Midland Section for Earth Day activities to entertain and educate students during classroom science demonstrations on plastics. Finally, a variety of scientists and engineers provided students with hands-on experiments to discover and explore the properties of water to determine "What do you know about H₂O?"



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YCC Nominated for Chemluminary Award

By Wendy Flory

So what is new with the Younger Chemists Committee? Our section has been nominated for a Chemluminary Award for Outstanding New Local Section YCC!! And it's no surprise considering all that this new group accomplished in the first year alone! A kick-off barbeque was held at Vet's Park in Bay City in



May 2003. Folks that attended this event came from Central Michigan University, Dow Chemical, Dow Corning, and Mid-Michigan Technician Group (MMTG) just to name a few. A visit to the planetarium for a "Journey to the Edge of Space and Time" finished off this first event.

There have been several social gatherings through the year at local eateries in the Midland Section area including a trip to Mountain Town Station in Mt. Pleasant, a warm evening on the patio at the Water Lily Restaurant in Soaring Eagle Casino, and a seasonal yuletide at Oscar's in Midland. YCC recently gathered at the Tridge in downtown Midland to listen to *Dueling Pianos*, a Tunes by the Tridge event. These gatherings always include good times and free appetizers. Last fall the group joined forces with Central Michigan's student affiliates for an afternoon of paintball. This is one way to take your aggressions out on fellow scientists! A trip down the lanes, in bowling style, also took place last fall—a joint outing with CMU's student affiliates. Most recently, the group gathered with MMTG on July 30 for a picnic at Plymouth Park. The burgers and dogs were hot off the grill and a good time was had by one and all. Families joined in to play volleyball, horseshoes, and Frisbee.

Along with these social events, our committee worked with Midland Section activities. The active participation events were the integrated Science Demos and Professional Day at the Midland County Fair in the summer and the Fall Scientific Meeting in October. A Midland Section YCC booth was staffed at both these events. The Fall Scientific Meeting committees were dominated by YCC members. We are expecting to be very active in both of these events again this year.

Although YCC stands for “younger chemists committee,” you need not be “younger” or a “chemist” or even a member of ACS to participate in these activities. If you have activity ideas or would like to help with events, now is the time to act—this is your group, too! We still have plenty of time to plan events for the fall and winter. Volunteering is easy and requires little time. Just e-mail wcfloory@dow.com for details.

The Midland YCC committee has long-term, strategic goals of making the ACS relevant to scientists, young or old, and to increase involvement of scientists in the ACS at all levels. If you are interested in receiving event fliers about the YCC, contact Wendy Flory at 636-5097 or wcfloory@dow.com.

Watch for future announcements through the Midland Section ACS website or through future editions of *The Midland Chemist*!

In Past Issues of *The Midland Chemist*

By Wendell L. Dilling, Midland Section Historian

- **40 Years Ago This Month**—In his editorial on “Must All Nominations be by Committee?” J. E. Dunbar commented that complaints are often heard from rank-and-file members that only certain people are ever nominated to (Midland Section ACS) office and that the annual ballots really offer little choice. He points out that nominations by petition or from the floor are in order.
- **30 Years Ago This Month**—Increasing costs of instruments, maintenance, and labor prevent many universities, colleges, and companies from using the latest techniques to characterize and test their compounds and materials. Midland Macromolecular Institute offers a solution to this problem. Several of the finest instruments owned by MMI are available for service work for universities, colleges, companies, or government agencies.
- **20 Years Ago This Month**—The complete program for the First Annual Authors’ Night is included in this issue. The 1984 Authors’ Night recognizes all Midland Section ACS members who published articles, books, or patents in 1983. Dr. Russell Christman, editor of *Environmental Science and Technology*, will speak at this event on “The Obligation to Publish” at the Michigan Molecular Institute.
- **10 Years Ago This Month**—The Midland Section was recently announced as the winner of an unprecedented fourth consecutive Award for Outstanding Performance in the medium-large section category (1990-1993). Only one other section in the large section category, the Delaware Section, has previously won four consecutive awards. They were received in 1974–1977, the first years the awards were presented.

Important Dates on the ACS Midland Section Calendar

- August 2 Deadline for September issue of *The Midland Chemist*.
- August 9 Midland Section board meeting, Saginaw Valley State University, University Center, location to be determined, 7:00 p.m.
- August 15 Deadline for GLRM student travel grant applications (<http://membership.acs.org/g/rlrm04/students.htm>)
- August 16 Professionals Day, Midland County Fair , 4:00–7:00 p.m. (Wendy Mathews, 989-636-3934)
- August 16 Deadline for teacher grant applications (<http://membership.acs.org/M/Midl/Default.htm>)
- September 6 Deadline for September issue of *The Midland Chemist*.
Deadline for award nominations (Petar Dvornic, 989-832-5555 x 550, dvornic@mimi.org)
- September 13 Midland Section board meeting, Delta College Midland Center, Rm. 12, 7:00 p.m.
- September 15 Deadline for abstracts for Fall Scientific Meeting (Jason Vohs, vohs1jk@cmich.edu)

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