

Publicity/ Public Relations Committee (Year Review)

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Committee Members

- Pankaj Gupta – Co-Chair
- Anne Kelly-Rowley – Co-Chair
- Angelo Cassar –Committee Member & Photographer of *The Midland Chemist*
- Gretchen Kohl – Committee Member & Photographer
- Dave Stickles - Committee Member
- Joan Sabourin – Committee Member & Photographer
- Ann Birch – Committee Member
- Dorie Yontz – Committee Member
- Mike Owen – Committee Member
- Scott Gaynor – Committee Member
- Brad Fahlman – Committee Member & Photographer

Publicity Plan

The Publicity Committee follows the mission statement developed in 2002, namely:

1. *To promote all activities of the Midland Section by advertising future events and communicating past events.* The primary method of communication will be email. The following is a partial list of suggested organizations and media.
 - a. Local public schools, Colleges and Universities, including Central Michigan University, Saginaw Valley State University, Delta

- College, Northwood Institute, Davenport College and Alma College.
- b. Local industries, especially The Dow Chemical Company and the Dow Corning Corporation
 - c. Local newspapers, which include: *The Midland Daily News*, *The Mount Pleasant Morning Sun*, *Mount Pleasant Tribal Observer* (Saginaw Chippewa Indian Tribe) and *The Bay City Times*.
 - d. Local Radio stations especially the NPR stations, WCMU and Delta College.
 - e. Midland's Alden B. Dow Museum of Science and Art.
2. *Share information with other local professional organizations.* Again the preferred method of communication will be email. The following is a partial list of professional societies:
- a. The Society of Plastic Engineers (SPE)
 - b. American Institute of Chemical Engineers (AIChE)
 - c. American Association of University Woman (AAUW)
 - d. Society of Applied Spectroscopy (SAS)
 - e. American Physics Society (APS)
3. The Publicity Committee will contribute both articles and photographs to '*The Midland Chemist*,' which is the Midland Section's main avenue of communicating with the members of our local section. The major thrust of the Midland Publicity Committee is to share information with the members of the Midland Section and the community where our members reside. This information is often related to Section events, both upcoming and recently past events. Other types of information include educational articles concerning chemistry and awards won by both our members and members of our community.

2008 Activities

The following describes the work done by the Publicity Committee.

January

- The new publicity committee chairs met with the outgoing chair to review committee roles and responsibilities.
- Photographs were taken of the new board members and committee chairs.

February

- Photographs of all 2008 Board of Directors and committee members who were present for the January, 08 meeting appeared within and on the cover of *The Midland Chemist*. (February 2008, Vol. 45, No. 1). Contact information was also published by Ann Birch, committee member.
- Article placed in *The Midland Chemist*. (Feb 2008, Vol. 45, No. 1) "Midland Section Sets Record for Awards" adapted from the Midland Daily News article.
- Short article placed in *The Midland Chemist*. (Feb 2008, Vol. 45, No. 1) advertising the date for the Earth Day event

April

- Short article placed in *The Midland Chemist*. (April 2008, Vol. 45, No. 2) advertising the date for the Earth Day event. An article also appeared April 10, 2008 in the *Midland Daily News*.
- Article placed in *The Midland Chemist*. (April 2008, Vol. 45, No. 2) advertising the 2008 Turner Alfrey Visiting Professor Course at MMI sponsored in part by the Midland Section ACS. The course was free to auditors who belong to organizations providing financial support.
- Photos were taken at Earth Day at the Midland Center for the Arts and appeared in the June issue of *The Midland Chemist*. (June 2008, Vol. 45, No. 3)
- Anne Kelly-Rowley attends a planning meeting for the 2008 Fall Scientific Meeting to discuss publicity for this event.
- Photos of the awardees were taken at the Spring Education Awards Dinner, which was held at the Dow Corning Corporation Headquarters. These photos appeared in the June issue of *The Midland Chemist*. (June 2008, Vol. 45, No. 3). Photos with a write-up were submitted to the *Midland Daily News*, *Saginaw News*, *Bay City Tribune* and the *Mount Pleasant Morning Sun*. Clippings from the *Midland Daily News* are included in this report. Also, the photographs of the awardees with the presenter were sent via email and regular mail to any awardees who requested the photo.

June

- Short article placed in *The Midland Chemist*. (June 2008, Vol. 45, No. 3) advertising a 'Call for Posters' and the date for the 2008 Fall Scientific Meeting by Mike Owen, publicity committee member and Fall Scientific Meeting Co-Chair.
- Article placed in *The Midland Chemist*. (June 2008, Vol. 45, No. 3) describing the experience of the Science Literacy Team at Pittcon in New Orleans March 1-5, 2008. Article also appeared October 5, 2008 in the *Midland Daily News*.
- Article placed in *The Midland Chemist*. (June 2008, Vol. 45, No. 3) describing the Earth Day Celebrations.

August

- Flyers for the Midland Section Professional Day at the Midland County Fair were distributed both to Dow Chemical and Dow Corning via a distribution list. The flier also appeared on the cover of *The Midland Chemist*. (August 2008, Vol. 45, No. 4)
- Article placed in *The Midland Chemist*. (August 2008, Vol. 45, No. 4) describing the Fall Scientific Meeting and calling for posters.

September

- Publicity Committee member and Sci-Fest co-chair, Dave Stickle distributed 30,000 Sci-Fest flyers to all the local schools in the Mid-Michigan area, in order to promote the main event for National Chemistry Week.

October

- The Section publicized the 64th Fall Scientific Meeting in *The Midland Chemist*. (October 2008, Vol. 45, No. 5) which goes to all the Midland Section members. This included promotion of the keynote speaker, the Symposia, posters and vendors that will be presented at the Fall Scientific meeting. Flyers were sent to

chemists and engineers at The Dow Chemical Company and Dow Corning Corporation. Additional flyers were sent to all local Michigan colleges via email.

- Article “2008 SciFest Promises “You’ll Have a Ball!” placed by committee members Dave Stickle and Joan Sabourin in *The Midland Chemist*. (October 2008, Vol. 45, No. 5).

November

- Photos were taken for the Science Café “Chemistry, Food, and You.” An article with photos was written for publication in the January 2009 issue of *The Midland Chemist*
- The local section took paid a small fee for access to Midland Community TV for one year. This will allow us to post an unlimited number of announcements on the community TV station.

December

- An article and photos taken for the Fall Scientific Meeting, which included the keynote speaker, poster presenters, and section awardees were published in *The Midland Chemist*. (December 2008, Vol. 45, No. 6).
- An article and photos taken for the Fall Scientific Meeting were submitted to the local newspaper *The Midland Daily News*. (publication still pending)
- Photos taken for SciFest 2008 were published in *The Midland Chemist*. (December 2008, Vol. 45, No. 6).
- Ann Birch

Newspaper Articles

Area ACS chapter sets record for awards

Publication: Midland Daily News

Category: Local

Pub. Date: 1/19/08

Pub. Page: 1 A

By Tony Lascari
of the Daily News

Making science fun and approachable is catching attention for the Midland Section of the American Chemical Society. The local section has won its 12th Outstanding Section Award from its national organization, setting a record for the number of wins for a single section. Local members say community involvement and education efforts are a vital part of the work they do through ACS. "Midland's chapter has a real good reputation with the national ACS staff," said Gretchen Kohl-Cassar, a past Midland Section chair. "We do a lot of outreach activities in the community here." The organization is involved in Earth Day activities, mentoring high school students, demonstrating chemistry for middle school students, organizing SciFest at Delta College, encouraging water sampling efforts in local waterways, providing equipment to schools in need and more. Angelo Cassar, publicity chairman with the Midland section, said Midland has the most awards for not only the medium-sized section category, but overall among any size section in the ACS since the awards were first given in 1968. The society has 160,000 members and about 190 sections around the world. The closest to Midland for the number of Outstanding Section Awards is the St. Louis section, which has 11 awards, Cassar said. The local section covers Midland, Saginaw, Bay, Isabella and Gratiot counties. Part of their community involvement involves working with Central Michigan University, Saginaw Valley State University, Alma College and Delta College. The section was started in 1919 by Herbert H. Dow, founder of The Dow Chemical Co. The high concentration of chemists in the area helps the local section stand out, and Dow and Dow Corning provide support for programs. Wendell Dilling, a past leader of the Midland Section, said in the past, its membership was mostly comprised of employees of Dow and the Dow Corning Corp. "That has changed now," he said, with more academic members and people from other companies getting involved. Midland is tied with two other sections, Peoria and Akron, for having won five awards in consecutive years. That streak was in the 1990s, and Dilling said most of the wins have been in the past 15 years. "It says we're doing a good job," he said. "I suspect in coming years we're going to win a lot more." Cassar said the recognition is nice, but the real world work still needs to be done to make sure chemistry fields in the United States don't fall behind the rest of the world. That's why projects with local schools and in the community play a large role for the section, helping students and teachers to become comfortable with basic chemistry. For more information on the Midland Section and programs it offers in the community, visit its website at <http://membership.acs.org/M/Midl>.

Area ACS chapter sets record for awards

By TONY LASCARI
of the Daily News

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The organization is involved in Earth Day activities, mentoring high school students, demonstrating chemistry for middle school students, organizing SciFest at

Delta College, encouraging water sampling efforts in local waterways, providing equipment to schools in need and more.

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(See "ACS," page A2)

ACS: Wins awards

(Continued from A1)

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For more information on the Midland Section and programs it offers in the community, visit its website at <http://membership.acs.org/M/Midl>.

Global initiative set to tackle water issues

Publication: Midland Daily News

Category: Local

Pub. Date: 4/8/08

Pub. Page: 3 A

The Global Innovation Imperatives project swung into motion Sunday with experts gathering for their first session at the American Chemical Society's 235th national meeting in New Orleans. Gii seeks to combat worldwide health, environmental and societal issues by developing science-based solutions, particularly those relating to chemistry. It is a joint collaboration between the ACS Committee on Corporation Associates and the Society of Chemical Industry. "With Gii, it is our intent to be a global leader in addressing through chemistry the challenges facing the world," said Midland resident Thomas H. Lane, president-elect of ACS and co-host during the session. Managing such a challenge is going to require interdisciplinary strategies, Lane said, including help from leaders in industry, academia and the government. Another focus of Gii is to help advance chemistry and other branches of science by sharing breakthrough technologies that surface through research and development, said Edward G. Means III, the session's keynote speaker and vice president of Malcolm Pirnie, an environmental consulting firm based in New York. One of the most pressing issues for chemistry that faces the global community — and the first imperative chosen for the Gii program — is water, especially from the standpoint of cleanliness, availability and sustainability, Means said. Even advanced cultures have potentially troubling issues with water, including increasing demand. In the United States alone, the population is projected to increase to 363 million by 2030, which is problematic for areas already facing water shortages. Alternative supply sources are becoming increasingly scarce as certain species are protected, such as endangered freshwater mussels. Another issue is aging infrastructure that needs to be replaced, requiring newer, better materials. Accurately assessing risk of chemicals in public drinking water remains a large issue as well, Means said. This lack of trust in tap water has led to an explosion in the bottled water industry, which drains energy resources for the manufacture of plastic and product transportation. Some bottled water, Means said, is no different than regular tap water. Right now, water is not highly valued unless people don't have it or unless it's contaminated, Means said. But the idea of full-cost pricing, which reflects the total cost of water treatment and delivery, could help to create sustainability because it might cause the public to view it differently. In other words, Means said, the more people pay for water, the less likely they are to waste it.

Several Earth Day events scheduled for Midland

Publication: Midland Daily News

Category: Community

Pub. Date: 4/10/08

Pub. Page: 7 a

Celebrate Earth Day and explore Midland's Whiting Forest with the Little Forks Conservancy. Come learn how protecting the environment impacts the quality of our water and what you can do to help. The event will be from 9 a.m. and 3 p.m. on Saturday, April 19. Located just north of the Grace A. Dow Library on Eastman Avenue in Midland, Whiting Forest features seven different types of forest, a spacious Visitor Center, hiking trails, a 21-foot tall observation tower, ponds and more. A number of other Earth Day events are planned in the Midland area April 19. Chippewa Nature Center will host Green Gardening Day from 10 a.m. to 4 p.m. This free event will feature master gardeners, horticulturists and naturalists who can answer questions and give advice to visitors. There will be gardening fun for kids, including crafts and planting projects. The Midland Center for the Arts is hosting an expo from 10 a.m. to 3 p.m. in cooperation with the American Chemical Society-Midland Section. The event will feature booths of hands-on activities for families. Youth films from the Environmental Film Festival will be showing at the center. The Little Forks Conservancy is a non-profit organization that helps private landowners develop conservation solutions to protect the natural resources of their properties in the counties of the Tittabawassee River watershed. For more information, call (989) 835-4886 or e-mail info@littleforks.org.

MMI welcomes visiting professor for lecture series

Publication: Midland Daily News

Category: Local

Pub. Date: 4/27/08

Pub. Page: 3 A

Michigan Molecular Institute once again will host one of the brightest minds in polymer research as its Turner Alfrey Visiting Professor program welcomes Professor Thomas P. Russell, who will lecture at MMI in May. Russell, Silvio O. Conte Distinguished Professor of Polymer Science and Engineering at the University of Massachusetts Amherst, will give the course "Surface and Interfacial Behavior of Polymers." He will present to local scientists and other interested parties May 12-16 from 3 to 6 p.m. at the MMI Lecture Hall, 1910 W. St. Andrews Road in Midland. Russell's arrival marks the 34th such visit by a distinguished polymer researcher in the visiting professor program, established in 1973 and renamed in 1981 as a living memorial to the late Turner Alfrey Jr. Each year, a leading scientist is invited to teach a short course, visit sponsoring organizations and deliver additional research seminars. "The Turner Alfrey Visiting Professorship benefits many people," said MMI research scientist and Associate Professor Steve Keinath, who also serves as course registrar. "It provides a point of connection between local scientists and engineers with the world leaders of the polymer science field, offering a chance for true face-to-face give-and-take with some of the brightest minds working today. The visiting professorship is a connection MMI is proud to make in Dr. Alfrey's name; he meant a great deal to polymer research and education, locally and nationally." Russell will spend part of his time around mid-Michigan visiting some of the TAVP program's co-sponsors, including The Dow Chemical Co., Dow Corning Corp., Central Michigan University, Michigan State University, Saginaw Valley State University, the Midland Section of the American Chemical Society and the Mid-Michigan Section of the Society of Plastics Engineers. Registration for the MMI course is required and due no later than May 5. To register, contact (989) 832.5555, ext. 571 or registrar@mmi.org, or sign up at www.mmi.org. There is no course fee for auditors of organizations co-sponsoring the TAVP program. The regular course fee is \$300.

ACS Recognizes Science Achievements

Publication: Midland Daily News

Category: Community

Pub. Date: 7/16/08

Pub. Page: 5 a

On April 23, the Midland Section of the American Chemical Society recognized students and educators throughout its five-county region at its 17th annual spring awards banquet.

Thomas Lane, national president-elect of the ACS and director of global science and technology outreach at Dow Corning Corp., was on hand to help present the awards.

Area high school students who took the Chemistry Olympiad exam and performed well were recognized. They were Alexander Carney and Matthew McCullough of H.H. Dow, Harsha Nahata and Nilesh Raval of Heritage, Charles Baumer of John Glenn, Natasha Golder and David Maust of Laker, and Ryan Lucas and Adam Rule of Midland High. Additionally, area students who were selected by their teachers as Outstanding High School Chemistry Students were presented certificates of achievement: Lyndsey Carter (Chesaning), Meagan Crofoot (Freeland), Justine Travis (Shepherd), Andrew Stockwell (Frankenmuth), Joan Fath (John Glenn), Nilesh Raval (Heritage) and Adam Rule (Midland).

The Midland Section of ACS also presented awards to Outstanding College Chemistry Students, as selected by their respective colleges: Benjamin Brandt (Delta College), Ben Place (chemistry, Alma College), David Lapham (biochemistry, Alma College), Katelyn Carter (chemistry, Central Michigan University) and Christopher Walczak (biochemistry, Central Michigan University). Additionally, the Mid-Michigan Technician Group presented an award to Gerald Rupprecht of Delta College for outstanding achievement while completing an associate degree in chemical, chemical process, or environmental technology.

Outstanding teachers also were recognized. Rachel Pappas (Jesse Loomis Math, Science and Technology Academy, Saginaw) was presented the Outstanding Achievement in Elementary Science Education Award, and Mark Koschmann (St. John's Lutheran School, Midland) was presented the Outstanding Achievement in Middle School Science Education Award. Tim Drier of The Dow Chemical Co. was presented the 2008 Science Education Volunteer Award for his glass-blowing demonstrations and creations that have become a staple of the Midland section's outreach and educational programs. Sandra Parker of The Dow Chemical Co. was presented the Promotion of Diversity in Chemistry, Related Sciences and Engineering Award for her efforts to encourage underprivileged and underrepresented youth into the sciences.

ACS recognizes science achievements

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Panel probes ways to propel youth toward science, math

Publication: Midland Daily News

Category: Local

Pub. Date: 8/29/08

Pub. Page: 1 A

By Cheryl Wade
of the Daily News

Although Dow Corning Corp. scientists have spurred students' excitement when they've entered local classrooms to talk about their jobs, there are barriers such as fear and lack of parental involvement that keep students out of scientific and technical professions.

So say members of a panel of scientists and educators who came together at Dow Corning Thursday to talk about mathematics and science education. Chamber of commerce officials from Midland, Bay and Saginaw counties also attended, and other Dow Corning scientists also spoke. The number of people graduating with a bachelor's degree in some type of science is up, but with many more people going to college in recent years, the proportion among college attendees is declining, said Tom Lane, Dow Corning director of global science and technology outreach and president-elect of the American Chemical Society.

More than half the degrees in chemistry are going to women and there's been "tremendous" positive change in the number of blacks involved in chemistry, and in science in general. And now that a person can leave home and have dinner across the world on the same day, global companies will need to put their people in those far-flung places to serve customers. That means tremendous opportunities for young people, Lane said.

"We need to prepare children, not just make them competent, but also ensure they can communicate across national boundaries and discipline categories," he said.

Dow Corning engineer Ross Noel said he went to speak to fourth-graders and decided they knew more than he had when he was in 10th grade. He told them how engineering isn't boring — how he'd been on top of the World Trade Center looking at the windows. That caught their attention. "I'm really optimistic on the future out here," he said.

But there are challenges, too. Gina Malczewski, a Dow Corning researcher for almost 25 years who now is certified to teach biology, chemistry and general science in grades 6-12, said kids start acquiring a "fear factor" when they get older. Perhaps some parents think science and technology are overwhelming.

Rachel Pappas, teacher at Saginaw's Loomis Mathematics, Science and Technology Academy, said those three subjects send some teachers out of their comfort zones and, if the teacher isn't comfortable, kids don't get excited about the material.

"They have a hard time thinking on a global scale," she said of her fourth-graders. "They have a hard time realizing that what they do today may impact someone in another country."

"Sometimes they have a struggle seeing beyond the borders of their own town or neighborhood."

Carolyn Wierda, superintendent of Bay City Public Schools, said many of her children and families have basic needs, such as hunger, that come before worrying about math or science lessons.

"I want to really convey that I'm concerned about challenges of poor children, children living in some very difficult circumstances," she said.

Data shows the more a parent is involved with a child's education, the better the outcome, Lane said. Even a little bit of interest makes a difference.

The panel and audience members took plenty of time to discuss the idea that American students don't perform as well in math and science as students from other countries. A study involving 11-year-olds in 32 countries, excluding the United States, found students in the most developed countries scored highest on standardized tests. But the highest interest in science came from students in least developed countries, whose children scored the lowest on the standardized tests, Lane said.

"It kind of suggests that maybe they do science as a way out of their current social situation," he said.

Pappas said she believes students learn much more than what shows on standardized tests. "I see tremendous growth in my students from day one to the end of the year," she said.

It also was pointed out that, in many countries, only the cream of the crop take standardized tests, while all U.S. students take them. What can be done for the future? Lane suggests it's important to realize that today's young people communicate differently than they did generations ago. When he asked a group of young people how they wanted him to communicate with them, they rejected e-mail, saying they don't use it. Lane told them he doesn't text, so they compromised by using Facebook, the social networking site.

Andrea Alexander, a young Dow Corning chemist, said young people simply assume that science and math are hard. They don't know that, when a person is passionate about something, it becomes much easier.

"I just tell them, 'Don't let anyone tell you that you can't do something,'" she said. "If you even had a glimpse of seeing yourself in those shoes, pursue it."

Reporter Cheryl Wade may be reached at cwade@mdn.net or (989) 839-4272.

Forum-Science Literacy Team learns it's anything but 'easy'

Publication: Midland Daily News

Category: Editorial

Pub. Date: 10/5/08

Pub. Page: 7 A

Four members of the Midland Section of the American Chemical Society were asked to participate in 'Science Week' at the 2008 Pittcon Conference in New Orleans during the first five days of March. They were Gretchen Kohl, Gina Malczewski, John Blizzard and Angelo Cassar. The Pittcon Conference is the "premier conference and exposition on laboratory sciences" that this year is celebrating 60 years of service to the scientific community, according to its Web page. This is their experience.

We were asked to teach a "Bringing Science to Life in the Classroom" teacher workshop on Saturday and then to teach an activity to about 1,000 young students — third- to eighth-graders, over a three-week period. Little did we know that as we prepared to go there to teach, we came away learning so much more! Sitting in our cozy homes in Michigan, it would be very difficult to imagine having our local elementary schools destroyed. It would be even more difficult to believe that all of the schools in our home city could be devastated. And it would be unthinkable that every school in my state would be damaged and unusable. This is the extent of the devastation Katrina raged on the Louisiana school system (and other Gulf Coast states). While the devastation to the population and homes in these states were unprecedented, very little has been publicized about the extent of damage to the education system of Louisiana. In some parishes, specifically Saint Bernard's Parish, Katrina destroyed the entire school system, all 14 schools, leaving virtually nothing to which teachers could return. Even if science equipment was found at what remained of a school, intact after the storm, FEMA workers often ordered it destroyed in an effort to contain post-storm biological hazards.

While there were many heroes in the wake of Katrina, we found a group of unsung heroes, the outstanding local educators. At an award banquet organized by the Pittcon 2008 Science Week Committee, chairpeople Jim and Laura Faith Bock and Ann Wilson, program coordinator for science, Louisiana Department of Education, provided some insight into what these education heroes were able to do. According to Ann, "three days after Katrina devastated Louisiana, 100 percent of her staff was on duty. Also, 90 percent of the teachers were ready to go back to work. This dedication to teaching was remarkable, especially considering that most of these teachers did not even have a home of their own left standing to go back to." At the Pittcon 2008 Science Award and Appreciation Banquet, Jim Bock presented 11 "Appreciation Awards" and 20 "Extra Effort for Education Awards." Individuals receiving these awards had taken steps to minimize the effects of Katrina, helped with recovery efforts, improved school relations with the community and/or industry, offered enrichment programs for peers or demonstrated exceptional perseverance in spite of extreme difficulties. While all of us have been privileged to attend many awards banquets for educators, this was probably the most moving awards ceremony that any of us had ever attended. As each award winner received their recognition, they were given the opportunity to express what the award meant to them. Without exception, each one expressed their appreciation but acknowledged that there were others more deserving than them. It was a humbling experience to be among these real-life classroom heroes. At least two teachers participating in our workshop were among the honorees recognized that Monday night. We found another pair of unsung heroes, Jim and Laura Faith Bock. They went to Louisiana from their home in Pittsburgh months before Pittcon 2008 and met with school administrators, principals and teachers throughout New Orleans, Baton Rouge and surrounding school districts. On one day they drove more than 100 miles outside New Orleans to meet with school officials, not only to experience the devastation firsthand but also to understand the needs of the schools in Louisiana. This outstanding effort did not go without reward, as they were able to pull together an exceptional group of talented individuals from a broad section of areas to provide 20 teacher workshops for Pittcon 2008. These 20 workshops were chosen to provide and meet the needs of K-12 educators from around Louisiana. We are honored that our Science Literacy workshop, "Bringing Science to Life in the Classroom" was selected as one of them. Our workshop, as titled, allows teachers to experience 'hands-on' basic chemistry using items that are normally found at home. Some teachers had driven an hour to come. Many represented parochial schools and two were curriculum directors. There are 16 experiments in our workshop that cover many basic concepts from acid/base chemistry to states of matter. All chemicals used were purchased from

grocery/hardware stores and shipped from Michigan to Pittsburgh, where they were trucked to Louisiana, except for the dry ice obtained at a local gas supplier. During the workshop, teachers were encouraged to try new things, ask questions, and learn from each other. For example, by dissolving the shell of a raw egg to expose the thin membrane underneath, the scientific concept of osmosis was demonstrated using colored water and other solutions. In another experiment, an iron-fortified cereal is crushed and diluted in water.

Using a magnet it is possible to extract the small actual iron filings in the cereal. Each of the teachers participating was given \$500 in supply grants by the Pittcon conference and five of the teachers were chosen, at random, to take home the workshop "chemistry kits." In addition, each teacher received the BSTL booklet (which had been revised to include correlations to Louisiana curriculum standards), lunch, a hand-blown glass head (each one unique) from Midland Section's 2008 Outstanding Science Volunteer, Tim Drier, a copy of "You Can be a Chemist" by Pat Moore, and a choice of Dow Corning giveaways including highlighters, wristbands and computer mouse pads. Each teacher rated her experience (all were women); evaluation scores were high for every segment. In all, the Midland Section distributed more than 500 pounds of supplies to these teachers. The Pittsburgh Conference's support did not stop at the teacher workshops. In all, more than \$125,000 was raised to assist these schoolteachers. This does not include the additional funding and supplies provided by other industrial institutions such as the Dow Corning Corp., Perkin Elmer, VWR, Lab Safety Institute and Vernier Software and educational institutions such as the Audubon Zoo, the University of New Orleans and Promothean. All teacher workshops and symposia presented at Pittcon 2008 were suitable for Continuing Learning Units (CLU's) for these educators.

Continuing with 'Science Week' activities the following week, more than 1,000 K-8 students were introduced to a whole host of "hands-on" science workshops designed not to just demonstrate science, but to involve the students in science. The workshops scheduled for Monday were designed primarily for elementary grades 4-6. The workshops on Tuesday and Wednesday were best suited for middle school grades 6-9. All of the workshops were filled to capacity. Students and teachers attending the workshops received T-shirts with a Pittcon/Science Week logo. These 10 different workshops ranged from The Behavior of Gasses to Chromatography to Air Rockets and everything in-between, mentored by volunteer chemists, college students and educators. These 30-minute sessions were designed so that the students became the "Chemists." Our session on the separation of mixtures into compounds was entitled "Fun through Paper Chromatography." Teaching six sessions, each day Monday through Wednesday, in back-to-back 30-minute segments with no breaks, the students learned about chromatography, using water, pipettes, coffee filters, paper towels and Vis-à-vis water soluble markers. Chemicals, mixtures and separations of various kinds were discussed during the period, and students learned the benefits of ("CSI" TV show-popularized) chromatography as they separated various inks. They experienced the use of science in creating art, what it means to formulate and test a hypothesis, and what kinds of things scientists do. All sessions were lively and interactive. Some parents and teachers were in attendance, too — all were encouraged to participate. Before leaving, all students were given a "You Can be a Chemist" book, and teachers were given enough Dow Corning donated give-aways to share with their classes back at school. On Tuesday, we were asked to host a special group of younger children, who were attending only an abbreviated "Science Week" program. These children ranged in age from two to seven, but were accompanied by adult helpers. All the children were assisted in doing their own color separations. One of the helpers told us that one of the little girls did not want to come to the session, but at the end did not want to leave. Also during this week, a special Forensic Science Workshop for Senior High Students took place. Paula Gregory who discussed DNA technology and how it has transformed forensics and the criminal justice system provided students with a presentation. Paula was able to share her experience in making the "learning about science" fun for students at every level. Adam Becnel of the Louisiana State Crime Lab spoke about crime investigation methods, forensics and careers in law enforcement. "Hands-on" crime scene investigation activities provided high school students fresh look at chemistry careers. Later in the week, there was a lecture/demonstration program in the La Nouvelle Orleans Ballroom in the Morial Convention Center for students in Grades 9-12. The presenters were William Cullen Deese, Johnson Professor of Chemistry, Louisiana Tech University and Cathi Cox, Project ACHIEVE Coordinator, Lincoln Parish Schools. The title of their program was "The Dead Chemists Society Presents: From Molecules to Bowling Balls." The Dead Chemist Society demonstration programs have been an annual event at Louisiana Science Teachers Association conferences since 1990. They featured about 15 to 20 demonstrations that illustrate a wide variety of scientific principles. The program lasted for approximately

one hour and fifteen minutes and it is nationally recognized as one of the most interesting, entertaining and educational programs of its type.

So what did we, as a group, learn during our New Orleans experience? Being involved in both the Teachers' Workshop and the Student Workshop in New Orleans was a very rewarding, yet humbling experience. We had hoped that the "hands on" demonstrations that we presented were exciting for both the teachers and the students. And we were very pleased to be told at the end of the conference that our sessions were the most popular at "Science Week." We also have been invited back, to provide workshops at Pittcon 2009 (Chicago) and Orlando in 2010. The pleasure for us was the knowledge that we were able to contribute in a small but important way to the knowledge basic chemistry to a few of the citizens of New Orleans, and that "hands-on" learning makes a difference.

Research has demonstrated that good teachers are the linchpin in student achievement. As University of Washington education scholar Daniel Goldhaber puts it, "It appears that the most important thing a school can do is to provide its students with good teachers." This is

what new schools concentrate on this mission, but much can be done in the meantime. For decades, Michigan schools have paid teachers based almost exclusively on two things: years in the classroom, and college degrees and postgraduate study. Unfortunately, studies show that classroom experience

society is willing to pay for and not get." **Ideas Matter!** It's time for our state to get what it pays for. A merit-pay program would base at least part of teachers' income on their students' achievement on standardized exams. The program could employ statistical models to ensure

being tried elsewhere, such as Chicago, Denver, Minnesota and Florida. Yet few Michigan school districts are experimenting with merit pay as a means to better compensate our great teachers. A major reason is politics. Instituting merit pay would require changing the pay schedules in local union contracts or

to explore such a merit-pay arrangement and act as a catalyst for change. We are inviting educators, parents, superintendents, school board members, labor leaders and business and community leaders to come to the forum with an open mind and a desire to enhance the quality of education of all

lic instruction, and **han** recently president and executive officer of **TI Associates**, a **global** and business con**firm**. He can be reached at **duathins@aol.com**. **J. Wright** is senior lobbyist at the **Machinac** for **Public Policy**, a **re** and education in **Mid** headquartered in **Mid**

Science Literacy Team learns it's anything but 'easy'

Four members of the Midland Section of the American Chemical Society were asked to participate in Science Week at the 2008 Pitcon Conference in New Orleans during the first five days of March. They were Gretchen Kohl, Gina Malpuechi, John Blizard and Angela Casar.

The Pitcon Conference is the "premier conference and exposition on laboratory sciences" that this year is celebrating 60 years of service to the scientific community, according to its Web page.

This is their experience. We were asked to teach a "Bringing Science to Life in the Classroom" teacher workshop on Saturday and then to teach an activity to about 1,000 young students — third- to eighth-graders, over a three-week period. Little did we know that as we prepared to go there to teach, we came away learning so much more! Sitting in our cozy homes in Michigan, it would be very difficult to imagine having our local elementary schools destroyed. It would be even more difficult to believe that all of the schools in our home city could be devastated.

And it would be unthinkable that every school in my state would be damaged and unusable. This is the extent of the devastation Katrina reared on the Louisiana school system (and other Gulf Coast states). While the devastation to the population and homes in these states were unprecedented, very little has been publicized about the extent of damage to the education system of Louisiana. In some parishes, specifically Saint Bernard's Parish, Katrina destroyed the entire school system, all 14 schools, leaving virtually nothing to which teachers could return. Even science equipment was found at what remained of a school, intact after the storm, FEMA workers often ordered it destroyed in an effort to contain post-storm biological hazards.

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Library to present 'Chemistry, Food and You' program

Publication: Midland Daily News

Category: Community

Pub. Date: 11/17/08

Pub. Page: 3 A

Citizens are invited to drop by the Grace A. Dow Memorial Library between 1 and 3 p.m. on Saturday to learn how chemistry plays a part in the food they eat. Various free demonstrations will take place in the Cup and Chaucer Coffee Bar area on the first floor of the library. Demonstration stations will include taking a look at density and viscosity of liquids, cereal content, testing your taste buds, benefits of breast milk for infants, and other food experiments. A "NOVA Science Now" video on laboratory-produced meat will be shown throughout the afternoon. Participants are invited to check out the special cookbook display and enjoy refreshments. This program is presented by the library, the Midland Section of the American Chemical Society, Girl Scout Troop 370 and Lactation Management Services. Call (989) 837-3449 for more information.

Family Fun October Calendar

Oct. 17-19, 23-26

Twelve Angry Men

Time/Place: 8 p.m. Thursday-Saturday; 3 p.m. Sunday, Bay City Players, 1214 Columbus, Bay City.

Details: A 19-year-old man has just stood trial for the fatal stabbing of his father. It looks like an open-and-shut case – or is it?

Admission: \$13-\$15

More information: (989) 893-5555; www.baycityplayers.com

Saturday, Oct. 18

Halloween Family Spooktacular

Time/Place: 5-7:30 p.m., Delta College Planetarium, 100 Center, Bay City.

Details: Halloween activities, special show and theme dinner. Costumes welcome!

Admission: \$10-\$15

More information: (989) 667-2260; www.delta.edu

SciFest 2008 'Having a Ball with Chemistry'

Time/Place: 10:30 a.m.-2:30 p.m., Delta College, University Center.

Details: Science activities relating to sports, importance of an active lifestyle, hydration and good nutrition, featuring area teams.

Admission: Free

More information: (989) 496-3273; (989) 686-9250; (989) 631-7128

Oct. 18-19

Fall Days

Time/Place: 9 a.m.-5 p.m.

Saturday, 11 a.m.-5 p.m.

Sunday, Warmbier Farms, 5300 Garfield, Auburn.

Details: Clown, balloon animals, juggling and fun magic! Also Farmer Bill's Pumpkin Patch, petting zoo, kids play area, corn maze, more!

Admission: \$6

More information: (989) 662-7002; www.warmbierfarms.com

Monday, Oct. 20

Classroom Critters

Time/Place: 4-5 p.m., Wickes Memorial Library, 1713 Hess, Saginaw.

Details: Take a walk on the wild side with a live animal presentation. Ages 5-12 and family.

Admission: Free

More information: (989) 752-3821; www.saginawlibrary.org

Tuesday, Oct. 21

Iron Jawed Angels

Time/Place: 7 p.m., State Theatre, 913 Washington, Bay City.

Details: An account of the struggle of suffragists who fought for the passage of the 19th Amendment, giving women the right to vote, whose presentation ensures you will never take your voting right for granted again.

Admission: Free

More information: (989) 684-4593; www.statetheatrebaycity.com

Wednesday, Oct. 22

Tunes for Tots Halloween Bone Boogie

Time/Place: 10 a.m., Midland Center for the Arts, Auditorium Lobby, 1801 W. St. Andrews, Midland.

Details: What's a skeleton's favorite instrument? A trombone! Trombonist Robert Lindahl introduces this member of the low brass family. Costumes encouraged.

Admission: Free

More information: (800) 523-7649, (989) 631-8250; www.mcfja.org

Friday, Oct. 24

Playhouse Disney Live!

Time/Place: 6:30 p.m., TheDow Event Center, 303 Johnson, Saginaw.

Details: See Playhouse Disney Live!

Admission: \$17.50-\$43.50

More information: (989) 759-1320; www.doweventcenter.com

Family Owl Hike

Time/Place: 7 p.m., Green Point Environmental Learning Center, 3010 Maple, Saginaw.

Details: Call owls and more on a night hike.

Admission: Free

More information: (989) 759-1660

Oct. 24-26

Halloween Harvest Zoo Boo!

Time/Place: 4-8 p.m. Friday-Sunday, Children's Zoo at Celebration Square, 1730 S. Washington, Saginaw.

Details: Dress up and trick-or-treat your way through the merry-not-scary Zoo, gathering treats along the way.

Admission: \$8

More information: (989) 759-1408; www.saginawzoo.com

Saturday, Oct. 25

Halloween Spooktacular The Composer is Dead

Time/Place: 1 p.m., Midland Center for the Arts, 1801 W. St. Andrews, Midland.

Details: The composer is dead ... and the perpetrator is lurking somewhere in the orchestra! Includes costume contest, and cider and donuts for all!

Admission: \$8-\$16

More information: (800) 523-7649, (989) 631-8250; www.mcfja.org

2nd Annual

Pumpkin Patch Festival

Time/Place: 1:30-4:30 p.m., Saginaw Bay Church, corner of Fashion Square and McCarty, Saginaw.

Details: Games, hay rides, inflatables, paint a pumpkin, cake walk, Touch a truck, SVSU mascot, live music. Food and door prizes.

Admission: Free

More information: (989) 799-3890

Monday, Oct. 27

Creepy Creature Comedy

Hilarious Halloween Show

Time/Place: 3:45 p.m., Butman-Fish Library, 1716 Hancock, Saginaw.

Details: Nonstop Halloween theme jokes and visual surprises highlight this fun, interactive performance by Joel Tacey. Great for the whole family.

Admission: Free

More information: (989) 799-9160

Tuesday, Oct. 28

Kicking Leaves Hike

Time/Place: 4:50-5:30 p.m., Chippewa Nature Center, 400 S. Badour, Midland.

Details: Enjoy the fall colors and smells as we kick through the leaves on the trail.

Admission: Free

More information: (989) 631-0830; www.chippewanaturecenter.com

'Scary' Movie

Time/Place: 4:30-5:30 p.m., Claytor Library, 1410 N. 12th, Saginaw.

Details: Watch a movie and eat a popcorn ball! Ages 5-12.

Admission: Free

More information: (989) 753-5591

Friday, Oct. 31

Trick or Treat at the Outlets

Time/Place: Prime Outlets at Birch Run, 12240 S. Beyer, Birch Run.

Details: A two-hour trick or treat event for your little ones. Look in store windows for the orange pumpkins to find out what Prime Outlet stores are also handing out candy.

Admission: Free

More information: (989) 624-6226



SAGINAW VALLEY CLASSIFIED Family MAGAZINE

Photography Portraits

STAPLES Photography specializing in Wedding and Senior Portraits and Restoration, developing film and making prints from old negatives. (989) 783-2502.

Bubitz Photography, www.bubitzphoto.com (989) 792-1606.

Public Notices

Farmer Bill's Pumpkin Patch open weekends thru Oct. 26 admission. Corn maze, petting zoo, corn box, entertainment, horse drawn horse rides & more. Warmbier Farms, 5300 Garfield, Auburn. 662-7002.

Private Instruction

MUSIC LESSONS in your home: Piano, Flute, Saxophone, Clarinet or Oboe. All ages & levels. I have Music degree from CMU & 18 yrs. of teaching experience. Call Art Griffin, 939-292-1896.

Business Opportunities

Shop Avon Online. Go to www.avon.com/willareal Become an Avon Representative. Apply online.

Miscellaneous Items

Webbing at The Stadium. Best Selection in the Tri-Cities. Buy 1, get select 1 for \$5. 2940 E. Wilder Rd. (989) 667-0450.

Campers, Trailers, Sale

Backhoe, Wheel Loader, Off-Highway Tractor, Backhoe, Wheel Loader, Off-Highway Tractor, Backhoe, Wheel Loader, Off-Highway Tractor. Call 800-888-8888.

SELL THAT COUCH with a little help from classified! Saginaw 754-9181 Bay City 894-2871

Wanted To Buy

I buy houses! Call Al at (989) 671-7451

Wanted To Buy

IT'S THE LOW COST THAT KEEPS PEOPLE COMING BACK TO THE CLASSIFIED

Apartment Unfurnished

Senior Citizen Apartment Community

- Newly Renovated • 1 and 2 Bedrooms
- 24 Hr. Maintenance • On-site Laundry
- Some Subsidies Available
- Theatre & Community Rooms
- Air Conditioning • Seniors 62 and older
- Resident Services Coordination

Pineview Apartments

Some income or other restrictions may apply. For an application or site visit call: (989) 894-0491 or TDD 1-800-437-1220 854 Pine Road, Essexville

Public Notice • Public Notice

STATE OF MICHIGAN
PROBATE COURT
COUNTY OF SAGINAW

NOTICE TO CREDITORS
Decedent's Estate
File No. 08-123441-DE

Estate of Jamie Lee
Pruitt, Deceased
Date of Birth: 5/6/1927

TO ALL CREDITORS: NOTICE TO CREDITORS: The decedent Jamie Lee Pruitt, Deceased, who lived at 222 S. 11th St., Saginaw, Michigan died August 14, 2008.

Creditors of the decedent are notified that all claims against the estate will be for-

ever barred unless presented to Earlene Pruitt, named personal representative, or proposed personal representative, or to both the probate court at 111 S. Michigan Ave., Saginaw and the named/proposed personal representative within 4 months after the date of publication of this notice.

Dated: September 22, 2008
Earlene Pruitt
222 S. 11th St.
Saginaw, MI 48601
989-753-8740
Timothy G. Day (P36154)
Morley Building, One Tuscola St.
Saginaw, MI 48607
(2008-66)
10/15

STATE OF MICHIGAN
PROBATE COURT
COUNTY OF SAGINAW

NOTICE TO CREDITORS
Decedent's Estate
File No. 08-123509-DE

Estate of Willie D. Smith,
Deceased
Date of Birth: 3/11/1932

TO ALL CREDITORS: NOTICE TO CREDITORS: The decedent, Willie D. Smith, Deceased, who lived at 2325 Kipling St., City of Saginaw, Michigan died August 24, 2008.

Creditors of the decedent are notified that all claims against

the estate will be forever barred unless presented to Della V. Smith, named personal representative, or proposed personal representative, or to both the probate court at 111 S. Michigan Ave., Saginaw and the named/proposed personal representative within 4 months after the date of publication of this notice.

Dated: October 6, 2008
Della V. Smith
2325 Kipling St.
Saginaw, MI 48602
989-799-0342
Kristi L. Kozubal (P69955)
4058 State St.
Saginaw, MI 48603
989-799-6640
10/15

NOTICE OF PUBLIC SALE

NOTICE: Carmen Hamilton's household items will be sold at public auction by Pikeville Storage on Saturday, Oct. 25,

2008 at 11:00 a.m. at 3124 Kochville Road, Saginaw, MI 48604.
10/8, 10/15

NOTICE OF
ORDINANCE
ADOPTED
THOMAS
TOWNSHIP
SAGINAW COUNTY,
MICHIGAN

PLEASE TAKE NOTICE that at its regular meeting on October 6, 2008, the Thomas Township Board of Trustees adopted the following ordinance:

08-Z-03 - Amendment to Ordinance No. 98-G-05, "Code of Thomas Township"

An Ordinance to amend Ordinance No. 98-G-05, "Code of Thomas Township" by adding Section 10-2-12 - Access/Parallel Road Overlay Zone to provide notification and initial direction to land

NOTICE OF PUBLIC SALE

PLEASE TAKE NOTICE that the miscellaneous household items in the following mini storage buildings will be sold at Public Auction:

Patrice Ford
923 Green St.
Saginaw, MI 48602
Unit #118 Bay
Amount Owing: \$151.00

Kimberly Green
2446 Hennemeter
Saginaw, MI 48603
Unit #4 Bay
Amount Owing: \$129.00

owners, prospective purchasers, prospective developers and adjacent landowners regarding the intended development and requirements of parallel roads on the north and south side of Gratiot Road, M-46.

This ordinance is effective 30 days after this newspaper notice.

A true copy of Ordinance 08-Z-03 can be inspected or obtained at the office of the Thomas Township Clerk, 249 N. Miller Road, Saginaw, Michigan 48609 during regular business hours.

Robert Weise, Supervisor
Edward Brosowski, Clerk
10/15

STATE OF MICHIGAN
PROBATE COURT
COUNTY OF SAGINAW

NOTICE TO CREDITORS
Decedent's Estate
File No. 08-123494-DE

Estate of Lloyd J. Yeo,
Deceased
Date of Birth: 9/14/1932

TO ALL CREDITORS: NOTICE TO CREDITORS: The decedent Lloyd J. Yeo, who lived at 1169 Glendale Ave., Saginaw, Michigan died May 25, 2008.

Creditors of the decedent are notified that all claims against the estate will be forever barred unless presented to Ju-

dith N. Yeo, named personal representative, or proposed personal representative, or to both the probate court at 111 S. Michigan Ave., Saginaw and the named/proposed personal representative within 4 months after the date of publication of this notice.

Dated: October 6, 2008
Judith N. Yeo
1169 Glendale Ave.
Saginaw, MI 48638
989-792-7151
B.J. Humphreys (P15268)
5090 State St., Building A, Suite One
Saginaw, MI 48603
989-792-2552
10/15

STATE OF MICHIGAN
PROBATE COURT
COUNTY OF SAGINAW

NOTICE TO CREDITORS
Decedent's Estate
File No. 08-123508-DE

Estate of J.D. Simmons,
Deceased
Date of Birth: 10/7/1928

TO ALL CREDITORS: NOTICE TO CREDITORS: The decedent J.D. Simmons, Deceased, who lived at 3145 Westbrook St., Saginaw, Michigan died May 5, 2007.

Creditors of the decedent are notified that all claims against the estate will be forever barred unless presented to Catherine

Simmons, named personal representative, or proposed personal representative, or to both the probate court at 111 S. Michigan Ave., Saginaw and the named/proposed personal representative within 4 months after the date of publication of this notice.

Dated: October 6, 2008
Catherine Simmons
3145 Westbrook St.
Saginaw, MI 48601
989-753-5524
Kimberly R. Holihan
(P33242)
Morley Building, One Tuscola St.
Saginaw, MI 48607
(2008-67)
10/15

SHOP THE TIMES CLASSIFIEDS!

Sci-Fest 2008, Oct. 18

In celebration of the part chemistry plays in our lives, the Midland Section of the American Chemical Society, Delta College, and the MidMichigan Technicians Group are hosting this year's celebration of National Chemistry Week through Sci-Fest 2008: "Having a Ball with Chemistry."

As observed during the recent Olympics, materials, design, and safety improvements of sports and sporting equipment have been made possible through chemistry. An active lifestyle is important for the physical well-being of everyone, and this

hands on science and health and wellness activities relating to sports, nutrition, and physical well-being for families and groups of all ages.

Exhibitor titles include: St. Mary's of Michigan Neuroscience Think First - Use Your Mind to Protect Your Body; Dental Assisting; Healthy Teeth: Nutrition and Sugar; Chemistry: All Things Spherical and Ball Like; Dr. Slime; Physics/Astronomy: The Wonders of Celestial Spheres (astronomy lab presentation of the night sky); Microbiology; Clean Ball Players;

Institute of Chemical Engineers - Having a Ball with Bubbles; Biology: Nerves, Muscles and who's the Boss; Experiencing Chocolate, and Balancing your Nutritional Ball. Soccer players will have activities for the participants and Health and Wellness will have two sessions of Stability Ball Training. Sci-Fest 2008 takes place on Saturday, Oct. 18 from 10:30 a.m. to 2:30 p.m. at the Delta College Pioneer Gym and is free and open to the public.

For further information, call Joan Sabourin 989-686-9250; Dave Stickers 989-496-

'Volley for the Cure'



TO ALL CREDITORS: NOTICE TO CREDITORS: The decedent J.D. Simmons, Deceased, who lived at 3145 Westbrook St., Saginaw, Michigan died May 5, 2007.

Copies of fliers

Midland Local Section invites all ACS, MMTD, YCC, and TECH members to

PROFESSIONALS DAY
at the
MIDLAND COUNTY FAIR
Thursday, August 14, 2008
4:00-7:30 p.m.



Free Popcorn, Hot Dogs, Snowcones
Demos, Moonwalk, Discounted Rides

64th FALL SCIENTIFIC MEETING

October 24, 2008
11:00 a.m. - 5:00 p.m.
Midland Center for the Arts

Materials for the 21st Century
Keynote Speaker: Prof. Manoj Chaudhury



Midland Section
American Chemical Society



Call for Posters

2008 Fall Scientific Meeting

Friday afternoon Oct 24, '08, at the Midland Center for the
Arts, Midland MI

Abstracts are being accepted now through Sep 19,
2008 for the Fall Scientific Meeting. The theme for the
meeting will be "Materials for the 21st Century".
Posters covering all areas of chemistry and
chemistry-related topics are invited.

Dow Corning has sponsored a \$500 award for the
best undergraduate poster.

Abstract Submission Instructions

Each abstract should contain title, author(s), affiliations, and up
to 225 words of single spaced 12 point Times New Roman
format text. Please submit abstract as an e-mail attachment in
Microsoft Word (preferred) to Brad Fahlman
(fahlm1b@cmich.edu) with the presenting author's name
underlined (Note: The e-mail address of the submitter will be
the default contact person for all additional information).

For any queries, contact Mike Owen at michaelowen01@chartermi.net
or (989) 631-7339. More details available after July 2008 at
<http://membership.acs.org/m/midl/>.

Midland Section
American Chemical Society



Midland ACS Fall Scientific Meeting

Materials for the 21st Century

Keynote Address:

Surface Modification of Organic and Inorganic Materials

by Prof. Manoj K. Chaudhury,
Lehigh University

Friday, Oct 24 Midland Center for the Arts

11:00 a.m. Lunch (free if you pre-register at the web site)

11:30 a.m. Registration Begins

12:00–5:00 p.m. Awards and Meeting

5:15 p.m. Social at Oscars' in Midland

See the full program at <http://membership.acs.org/M/Midl/>
Registration is free and you can even get a free lunch

GUIDE TO STARTING A BUSINESS – SMALL BUSINESS START-UP SEMINAR

The Michigan Small Business & Technology Development Center (MI-SBTDC) and Grace A. Dow Memorial Library are offering assistance for those who would like to start a business or those in business who would like to be acquainted with community and business resources.

This seminar is for those who would like to learn:

- The basics about business ownership
- What it takes to be in business
- Where to go for information and assistance
- The Business Plan and why you need one
- Licenses and permits
- Funding and the myth of "Free Money"
- Resources available to help set up your business

Registration is preferred. Call the Midland Area Chamber of Commerce at (989) 839-9901 or MI-SBTDC at (989) 686-9597.

The next seminar takes place on **Thursday, November 13, 6-8:30 PM** in Conference Room B.

HANDS-ON COMPUTER CLASSES

Make reservations at the Reference Desk or call (989) 837-3449. Classes are held in Conference Room C.

THE LIBRARY CATALOG – Find what you want in the library catalog. Students should have some experience using a mouse and computer.

Wednesday, November 5, 2:30-3:30 PM

ADVANCED GOOGLE EMAIL – Learn how to open and send attachments, set up contacts, and organize your messages. Students should have a Google/ gmail account before the class and experience using the Internet.

Monday, November 10, 2:30-3:30 PM OR Tuesday, November 11, 7-8 PM

CLASSIC MOVIES

1 PM - AUDITORIUM - FREE

AMERICAN FILM INSTITUTE'S TOP MUSICALS



November 11 - *The Wizard of Oz* (1939)
 November 25 - *West Side Story* (1961)
 December 9 - *Singin' in the Rain* (1952)

CHEMISTRY, FOOD AND YOU

Learn how chemistry plays a part in your food supply! Topics include:

- *Nature's First Food for Humans: Breast Milk* by Sue Clark of Lactation Management Services
- Food-related chemistry demonstrations by the Girl Scouts
- NOVA Science Now video on lab-made meat



And more!

Saturday, November 22, 1-3 PM, in the Cup and Chaucer Coffee Bar area.

Presented by: The Midland section of the American Chemical Society, Girl Scout Troop 370, Lactation Management Services, and the Grace A. Dow Memorial Library.

SEE THE MOVIE ~ READ THE BOOK ~ ENJOY THE PLAY!

To Kill a Mockingbird by Harper Lee



MOVIE: Thursday, November 6, 7 PM, Library Auditorium.

BOOK DISCUSSION: Tuesday, November 11, 7 PM, Story Room. The Library has copies of the book available for check-out.

PLAY: November 7-9 & 13-15, Midland Center for the Arts Theatre Guild. Call the MCFTA ticket office at (989) 631-8250 for details.

WHAT FREE MEN WILL DO: THE VETERANS OF DOW HONOR FLIGHT 2007

In November 2007, The Dow Chemical Company sent 93 of its retired Michigan



employees and World War II Veterans to Washington, D.C. to see the World War II Memorial. Now, these men are being honored in a one-hour documentary tribute to their bravery, sacrifice and commitment to freedom.

Copies of this DVD are available for check-out, free of charge, through a generous donation from The Dow Chemical Company.

THANK YOU!

Many thanks to the **Evergreen Garden Club, The Little Garden Club, and Midland Garden Council** for their generous donations, which provided funds to replace a Japanese Maple tree in the Library's Japanese Garden. The garden can be viewed from the Quiet Room on the first floor of the Library.



New Members Welcome!

Conference Room A - 7 PM



NOVEMBER 20

THE LIGHT OF EVENING by EDNA O'BRIEN

DECEMBER 18

THE ARRIVAL by SHALIN TAN

E RESOURCES

www.midland-mi.org/gracedowlibrary

NEW, IMPROVED RSS FEED!

If you are interested in finding out what new, exciting material is on its way to the library, our Improved RSS FEED is for you.

Visit our webpage and select



- Click on **ON THEIR WAY: ITEMS JUST ORDERED.**
- Select the category of material in which you're interested.
- Click on **SUBSCRIBE TO THIS FEED.**

Each list is automatically updated daily so you won't miss a thing.

Once you subscribe to a list, simply access your RSS Feeds through your Internet browser and start reserving new books, CDs and DVDs today.

If you have questions, call (989) 837-3449.

TAKE A LOOK AT OUR E-BOOKS

E-Books are digital versions of books available online, 24 hours a day. The library has hundreds of E-Book titles to choose from. Using E-Books is simple and easy. From the library's webpage, click on **RESEARCH RESOURCES - E-BOOKS.** You will need your Grace A Dow Memorial Library Card to access this electronic resource.

The ACS Younger Chemist's Committee invite you to join us for a night with Saginaw's new arena football team.

Saginaw Sting
v. Milwaukee Bonecrushers



Wednesday, April 30, 2008
7:00 PM @ The Dow Event Center

Tickets are \$10 for ACS members and \$15 for non-members. You do not have to be a member to attend! (Tickets will be given on a first come first serve basis.)



Please RSVP to Joel Kern at jmkern@dow.com
by April 23, 2008.

