

MSU ALUMNI MAGAZINE • SUMMER 2012

FOR ALUMNI AND FRIENDS OF MICHIGAN STATE UNIVERSITY

# MSU ALUMNI



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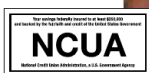
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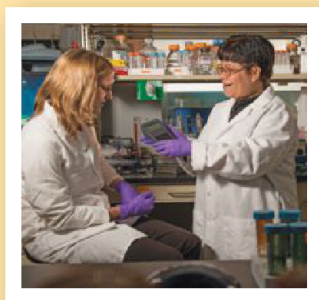
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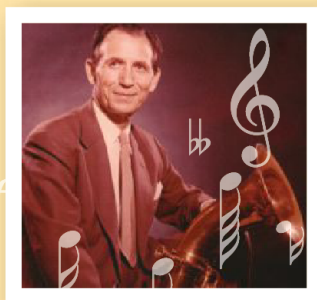
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Graduate students at MSU are not just earning their degrees, they are contributing mightily to the economic development of the state and the country.



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**Cover:** Doctoral student Andrew Temme works on advanced radar research in the lab of professor Edward Rothwell. Photography by Kurt Stepnitz, Communications & Brand Strategy.

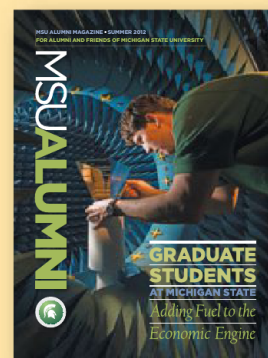
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# MSU ALUMNI



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## PRESIDENT'S MESSAGE



Your university has initiated several energy activities recently that will benefit our students, their families and our stakeholders across Michigan, dovetailing into our program for making MSU a leader in recycling and environmental sustainability.

The cornerstone of our energy activities is the MSU Energy Transition Plan, approved by the Board of Trustees on April 13. A year in the making, the plan calls for energy technology research and development investment, continued progress on energy conservation, and a transition over time to renewable sources of energy.

If you think about energy sustainability and security, you realize that they aren't just our challenge as a university, but world challenges. These are issues—together with food and water security—that will drive events in the 21st century. These are our opportunities to be part of the solution in a way that reflects our land-grant mission, something to ponder as we look toward the 150th anniversary of the signing of the Morrill Act July 2.

We've already made significant strides in sustainability and conservation, managing our resources in ways that help keep costs down, thereby keeping higher education more affordable for students and their families.

In addition, MSU's energy-saving efforts are fostering a positive economic impact by creating private-sector jobs. We use many engineering and consulting firms, most of which are located in Michigan. This proves to be a win-win situation—jobs are created by this need and MSU benefits by getting valuable work done at reasonable rates.

In addition, MSU has been able to create jobs on campus. For example, the team that is doing retro-commissioning work on some MSU facilities recently expanded, adding four new full-time positions, as well as 10 temporary positions.

We estimate that most energy-saving projects will see a payback in approximately seven years. That includes funding the commissioning team that is doing the work, hiring consultants and contractors. Retro-commissioning is underway in more than 100 campus buildings. Recent work on Erickson Hall, for example, has resulted in a 32 percent reduction in energy use.

Recently, MSU became one of seven universities to commit to the U.S. Dept. of Energy's Better Buildings Challenge. As part of the commitment, MSU will reduce energy consumption by 20 percent across 20 million square feet by 2020. Anthony Hall has been named MSU's showcase project, given its potential for energy savings.

Additional research in alternative energy is underway with a new study to determine whether wind is a viable power source for campus. The university also is investigating the increased use of solar power. Solar panels on the roof of the MSU Surplus Store and Recycling Center produce about 10 percent of the facility's electricity. In addition, the MSU Pavilion generates electricity using a solar photovoltaic system.

The new addition to the Life Sciences Building will use geothermal energy sources. Our Power Plant burns biomass as a step toward fewer emissions and cleaner air.

We have a rare opportunity not just to develop new technologies and techniques to promote a sustainable energy posture, but to implement them, test them and measure the human and behavioral elements necessary to build a sustainable society. With the challenges and elements of the municipality we have here—a power plant, distribution infrastructure, a built environment with heavy energy demand—we can be a true living-learning laboratory. We have the capacity to adapt, pilot and validate the solutions we conceive.

This is also an entrepreneurial challenge, as we work to connect great ideas with researchers on campus to develop new technologies and innovations.

Gilbert Sperling, a senior policy adviser for the U.S. Dept. of Energy, joined me and several others in April for a public conversation centered on the Energy Transition Plan. He says, "The transition to a clean energy economy is not just about economics and technology, it is about people. It is about culture."

Energy and environmental sustainability are interrelated challenges and require holistic, interdisciplinary solutions. These are the kinds of solutions, from the technical to the behavioral, that Team MSU can provide. I encourage you to learn more at [msu.edu/stories/renewable-future/](http://msu.edu/stories/renewable-future/).

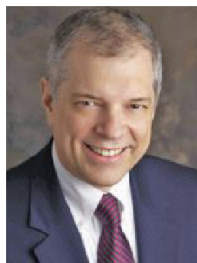
Sincerely,

Lou Anna K. Simon, Ph.D.  
President, Michigan State University





# DIRECTOR'S MESSAGE



## LEARNING FROM FALCONE'S EXAMPLE

One of my favorite MSU moments happened when I was still in high school in Ann Arbor. I was a percussionist in the Pioneer High School Symphony Band. Victor Bordo, our amazing director, regularly invited legendary conductors to work with us and the most memorable was MSU music legend,

Leonard Falcone. He taught me a great lesson about focus that still resonates with me today.

The best conductors set a clear pace for their organizations. When they take the baton they effectively guide the group through the changes in tempo and dynamics that turn notes on a page into moving works of art. When Dr. Falcone realized that I was playing the bass drum on the piece he was directing, he pulled me aside. "Good conductors can only set the pace," he told me. "It's the bass drummer who makes sure the rest of the band keeps up."

I've never forgotten those words. We have our share of Spartan visionaries out there who lead our greatest companies. But there are many more of us who play the bass drum, turning the mission and vision of our organizations into concepts and processes that move the team forward. Both on and off campus, Spartan graduate students are doing precisely this. For many undergrads, graduate assistants mold their first impressions of an MSU education. These gifted teachers translate complex ideas into a language that fires young imaginations, challenging us

to engage in the two way process that is effective learning. Across our state, and around the world, graduate students directly interact with this global laboratory to test new ideas and validate the theory that is only useful if it can be put into practice.

There's a natural tendency to slow down and stay with the crowd. And it's often the Spartans who grab the bass drum, setting a beat that challenges us to think outside the box, take risks and blaze new trails that lead to great discoveries.

"Keep your eye on me," Dr. Falcone said. "No matter what you may hear around you, we will lead this band together. My baton and your bass drum will determine how well our musicians interpret this great music."

There are many Spartans who write and conduct the songs that are the articulation of our life's work. But just like the MSU graduate students who impact the velocity of change in East Lansing and beyond, all of us

can be the bass drummers who keep our eyes on the baton and set the pace that the world will follow.



*Scott Westerman*

**Scott Westerman, III, '78**  
**Executive Director,**  
**MSU Alumni Association**

It's often the Spartans who grab the bass drum, setting a beat that challenges us to think outside the box, take risks and blaze new trails that lead to great discoveries.

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*As of June 1, 2012*





## IN BASKET

### MSU GETS WET

Your cover story seems to ignore that water usually comes from rain that comes from the condensation of water vapor that comes from the evaporation of the ocean, sea, river, lake, and pond supplies of liquid water, exhalations of animal and human life, and burning of hydrocarbons. Hydrocarbons are all plant life and fossil fuels.

The statement, "Water is not the new oil, it is far more important. It sustains life," is incomplete. It should have included carbon dioxide. Water in the vapor form and carbon dioxide in the gaseous mode are the two most prevalent greenhouse gases. Carbon dioxide gives us oxygen from photosynthesis for creating vegetation. Carbon dioxide is relatively constant at 392 parts per million or .00392% of our atmosphere. The earth's vegetation has a voracious appetite for this gas. To get more fresh water, humans need to burn more fossil fuels and vegetation to get more water vapor and carbon dioxide in the atmosphere.

Joe Schramek, '61  
Dearborn Heights

You well describe how MSU is effectively connecting and empowering the students, faculty & alumni in a global initiative that serves the basic need of a thirsty world. However, you still have a "branding" task in hand—continuing to organize this effort, which could emerge as the story of the next decade. MSU needs to continue to be in front of the wave. We need to mobilize the awareness and political will to act ahead of the problems. This would add another brick in the foundation of the MSU brand.

Mickey E. Fouts, '54  
Castle Rock, CO

### BRICKS & MORTAR

I was surprised that the School of Packaging Building was not identified in your story about "Bricks & Mortar." It was built in the mid-60s with funds from alumni and industry. In 1982 a campaign was initiated to raise \$3.5 million to double its size. This campaign was a test run for "MSU 2000," which raised about \$260 million. The "new" packaging building was completed in 1987. Today there are over 7,000 graduates of the School of Packaging—the nation's premier packaging school.

Paul L. Peoples, '59  
MSU Director of Corporate and Foundation Relations (1983-92)  
Haslett

Great universities offer more than education and research, and "Brick and Mortar Gifts" illustrated this so well. How exciting to see that dedication to MSU has been expressed by those philanthropic individuals who generously support the beautiful campus! I've traveled back to MSU many times over the years, and I'm convinced that it is indeed as thriving, lively, and memorable as ever.

Mary Ann (Sikkema) Potter, '67  
Oxford, NC

### HELMET ICON

Your column about the football helmet logo brought back memories of the 1970s when I was a graduate student in the College

of Education and spent time with athletic medicine in the football program. The Spartan helmet design has changed over time, but I like the current Spartan profile. It's a timeless icon of clean dimension . . . light years better than any scruffy image and vastly more identifiable than an "S."

I wish Mark Dantonio would get rid of the flared white stripe on the front of the helmet and stay with the national recognized classic Spartan icon.

Richard W. Redfearn, PhD '74  
Chapel Hill, NC

### SILENT SPRING

Re your stories in the Winter 2012 issue regarding Rachel Carson's Silent Spring. According to *Forbes* and *National Geographic* magazines, an estimated 20 to 60 million people have died since DDT was essentially banned. When I fly into Chicago at night and see lights sprawl forever, I realize more people have been killed by malaria than live within those lights—some 12 times more, mostly children!

It's ironic that MSU is singing Rachel Carson's accolades when

Congress blocked a resolution honoring her 100th anniversary. She was blamed for using junk science to turn the public against chemicals.

Barry Winkel, '71  
South Haven

### FAME AT LAST

Your spring issue is a handsome magazine, embellished, of course, by the excellent reporting on the Sparty helmet logo story ("Revisiting An Old, Forlorn Crime Against Spartanhood"). My fame is a little late in coming but I will try to bear it with appropriate humility. By the way, thanks for subtracting two years from my age. I could use them.

Bob Perrin  
MSU Vice President  
for University and Federal Relations (1970-79)  
Naples, FL

### GABLES HISTORY

I worked at the Coral Gables four years, waiting tables and checking IDs. We were paid \$1 an hour (with \$.03 withheld for social security). In the cartoon, owner Tom Johnson has the cigar. Standing next to him is Tom King, dean of students. Next, seated, is President Hannah. The others are assorted BMOCs. The MSU coed with the roses was named "Miss Big Ten" for the Rose Bowl.

The Veteran's Club met there. No beer was served until the meeting was over, so the meetings were usually short. The giant black duck was the Club's mascot, nicknamed "The Ruptured Duck." We held dinners to honor vets and one speaker was Gov. John B. Swainson, a vet who had lost both legs during WWII.

Bob Rorich, '62, MA '64  
Manistee





## AROUND CIRCLE DRIVE

### NEW FACILITY BUILDS CONNECTIONS

MSU's new Molecular Plant Sciences Building, which opened in April, will house some of the world's premier plant-science research.

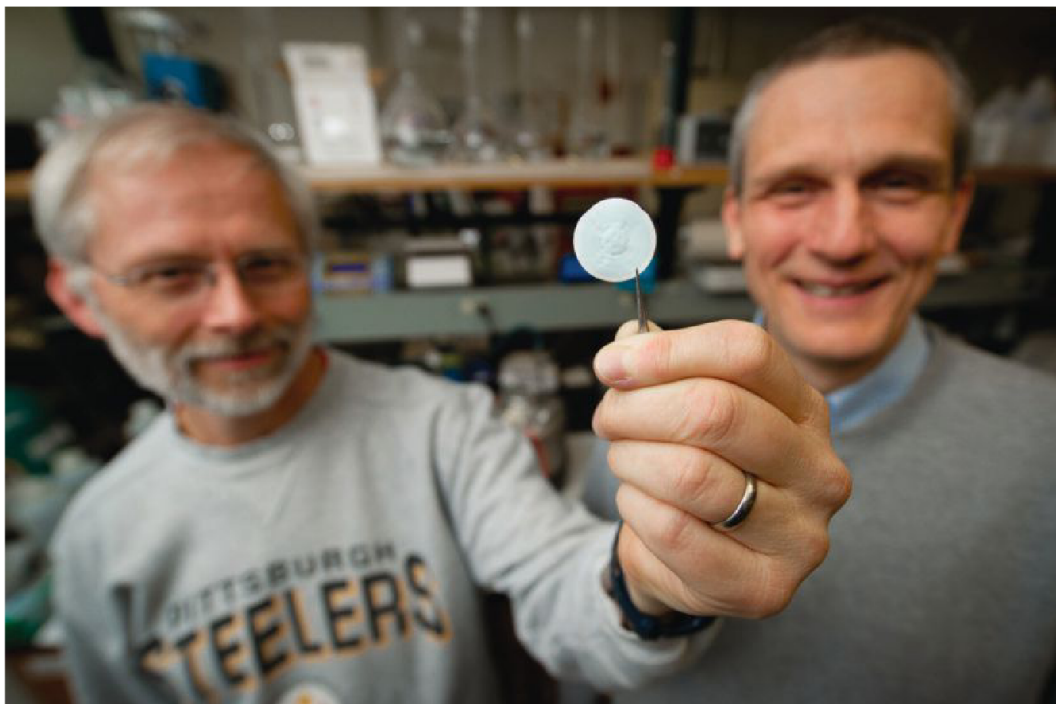
The building on Wilson Road, just west of Bogue Street, joins MSU's two plant-research buildings and brings together world-class plant researchers from across a variety of disciplines.

"This building bridges, both physically and intellectually, disciplines, departments and colleges," says MSU President Lou Anna K. Simon. "What it will do is promote the cross-pollination of ideas and expertise, and initiate a new era of collaborative interdisciplinary research at Michigan State."

The four-story, 90,000-square-foot building connects the Plant Science and Plant and Soil Sciences buildings. It will bring together basic research departments—plant biology and the Department of Energy-sponsored Plant Research Lab, with applied research departments, crop and soil science, horticulture and plant pathology.

The new building supports 18 research groups, including nearly 150 graduate students, postdoctoral students, undergraduate students and technicians. The lower level will feature increased space for state-of-the-art growth chambers, which will allow year-round plant growing in clean environments.

For more information on MSU's plant research initiatives, visit [www.plantscience.msu.edu](http://www.plantscience.msu.edu).



### PROTEIN PURIFIER SAVES TIME, MONEY

Two MSU researchers have invented a protein purifier that could help pharmaceutical companies save time and money.

MSU chemists Merlin Bruening (right) and Greg Baker explain in a recent issue of *Langmuir* that high-performance membranes are suitable for protein purification, a crucial step in the development of some drugs.

Purifying proteins, the process of isolating a single, desired protein, is expensive and time-consuming, but a necessary step to increasing the effectiveness and safety of new drugs. Streamlining the process could help manufacturers reduce costs, speed new drugs to consumers and reduce pharmaceutical costs, Bruening says.

"The membrane devices that we've manufactured can simplify protein purification by rapidly capturing the desired protein as it flows through membrane pores," says Bruening, who has patented the process. "Our membranes have two to three times more capacity than existing commercial devices, and they should reduce the purification process time substantially. Typically, our procedures are complete in 30 minutes or less."

### PREBIOTICS LOWER COLON CANCER RISK

MSU researchers have shown a prebiotic can help the body's own natural killer cells fight bacterial infection and reduce inflammation, greatly decreasing the risk of colon cancer.

Prebiotics are fiber supplements that serve as food for the trillions of tiny bacteria living in the gut. They can stimulate the growth of the "good" bacteria. MSU's Jennifer Fenton reports in the *Journal of Nutrition* (April 11, 2012) that mice given the prebiotic galactooligosaccharide, or GOS, saw the severity of their colitis significant-

ly reduced. In fact, the mice fed GOS saw a 50 percent reduction in colitis.

"There is something unique about certain types of fibers, such as GOS, and how they alter cells and influence the immune system to change disease risk, either for the good or bad," she says. "Our overall goal is to identify either dietary patterns or diet components to reduce inflammation and cancer risk."

The next step is to verify how that mechanism works; finding that link could help researchers apply the lessons learned to other intestinal ailments.



### MORRILL ACT ANNIVERSARY

MSU, the nation's pioneer land-grant university, celebrated the 150th anniversary of the Land-Grant act on April 26 with some outdoor theater, ice cream





and T-shirts for students readying for final exams.

The Morrill Act of 1862 created America's system of land-grant colleges and universities. Observations of this sesquicentennial have been planned across the country throughout the year. MSU's light-hearted commemoration featured actors portraying Land-Grant Act sponsor U.S.

Rep. Justin Morrill and President Abraham Lincoln, chatting up visitors to another cherished MSU landmark, The Rock on Farm Lane. The MSU Dairy Store created a new ice cream flavor for the occasion, Morrill Mint Madness.

For more information about upcoming events, visit [msu.edu/morrill-celebration](http://msu.edu/morrill-celebration).



### RELIEF FOR VICTIMS OF CEREBRAL MALARIA

A clinical trial in Africa by MSU researchers could provide relief for children who survive cerebral malaria but suffer from epilepsy or other neurologic disorders.

Gretchen Birbeck, professor of neurology and ophthalmology in the College of Osteopathic Medicine, is leading the trial in Malawi that will use levetiracetam, or LVT, an anti-seizure medication. However, the drug has never been tested to target cerebral malaria seizures.

"Seizure management in malaria endemic regions such as sub-Saharan Africa is challenging because the available antiepileptic drugs can suppress respiration, and assisted ventilation is unavailable," Birbeck says. "LVT does not have that effect, and if we can optimize a seizure control treatment that is both affordable and accessible in resource-limited settings, we may be able to improve neurologic outcomes in cerebral malaria survivors."

The research, part of MSU's Blantyre Malaria Project at Queen Elizabeth Central Hospital, is being funded with a nearly \$2 million grant from the National Institutes of Health's National Institute of Neurological Disorders and Stroke.



## MSU MOMENTS

*This capsule of MSU history was written by Megan J. Badgley, assistant archivist at MSU Archives & Historical Collections.*

Each May, dozens of students are mysteriously kidnapped by their loved ones and deposited at the foot of Beaumont Tower. Dressed in pajamas and blankets, some blindfolded and bound, they discover they have been "tapped" to become Tower Guards. "Tapping of the Guard at the May Morning Sing" dates back many decades.

In spring 1933, the Q Girls emerged on MSC's campus. A sophomore honorary society, the organization held Christmas parties for local children, acted as dorm hostesses during Freshmen Week and assisted with an annual rummage sale. Sponsored by MSU First Lady Sarah Shaw, the Q Girls officially became the Tower Guard in 1934. It's the only student organization holding keys to the Tower.

The Tower Guard is known for its community service. In 1938 Marian Patch suggested the Tower Guard read to blind students as a service project. That program later expanded to include assisting deaf and hearing-impaired students. The Tower Guard raises money for Tower upkeep at activities such as its annual Open House held following the Homecoming football game, when the public may tour Beaumont Tower.

Pledges' names are kept secret until the May Morning Sing. In the early days, pledges' parents hid and surprised them when their name was called. As membership increased, the Tower Guard refined its tactics. Parents, family, and references were secretly contacted to help devise plans to lure unsuspecting pledges to the Tower. Some plans were simple, like offers of breakfast or a peaceful morning jog. Other plans were cleverer; one pledge partook in a scavenger hunt that led to waiting parents at Beaumont Tower. However, kidnapping is the most popular method. Initiates are snatched from their dorm rooms at dawn, blindfolded and bound, and dragged to Beaumont Tower.

Today the Tower Guard remains committed to serving students with disabilities by converting textbooks into electronic formats and holding a St. Patrick's Day Shamrock 5K Run/Walk/Roll to raise money for the Resource Center for Persons with Disabilities' endowment fund.



Photo courtesy of MSU Archives & Historical Collections





Photos courtesy of the Wharton Center

## WHARTON SEASON FOR 2012-2013

You can say that “Anything Goes” in the 30th Anniversary Season at MSU’s Wharton Center for Performing Arts, as patrons will have a huge array of choices along with five Signature events to commemorate the anniversary.

“The five Signature events represent the broad spectrum of Wharton’s diverse presenting history,” says Bob Hoffman, Wharton Center publicist.

*War Horse* (Dec. 5-9), which is captivating audiences with its puppetry, is a Signature event in the Broadway series. Also coming is *Anything Goes* (Oct. 16-21), winner of three 2011 Tony Awards including Best Musical Revival and Choreography. The musical stars Rachel York and is currently undergoing smooth sailing on Broadway. Three other musicals are based on motion pictures—the 2009 Tony Award-winning Best Musical *Billy Elliot* (Jan. 15-20), the comedy smash *Sister Act* (Feb. 12-17), and the incredible true story of *Catch Me If You Can* (Apr. 16-21).

This year’s special events include the popular Blue Man Group (Feb. 22-24) and Green Day’s *American Idiot* (Apr. 9-11). World-renowned artists include nine-time Grammy Award winner Sheryl Crow (Signature event, Sep. 9), comedian Lily Tomlin (Sep. 16), influential jazz artist Sonny Rollins (Signature event, Oct. 7), diva Renée Fleming (Signature event, Feb. 27) and Conductor Keith Lockhart and Cellist Sophie Shao with the BBC Concert Orchestra (Jan. 31). The final Signature event is the Stratford Shakespeare Festival’s *Shakespeare’s Will* (Nov. 29-Dec. 1).

The Wharton Center is offering subscribers discounts up to 30 percent. For more information, visit [whartoncenter.com](http://whartoncenter.com) or call 1-800-WHARTON.

## NEW DIGESTER TO CREATE ENERGY

MSU is working on a new \$5 million anaerobic digester, a system that re-uses waste while creating energy for campus buildings.

Estimated to be completed in 2013, the system will provide a source of renewable energy to produce electricity for some south campus buildings and keep organic waste produced at the university from going to landfills.

“Once complete, this system will be the largest on a college campus in the United States,” says Dana Kirk, a specialist from MSU’s Dept. of Biosystems and

Agricultural Engineering who is overseeing the project. “It will be the largest in volume and in energy output.”

Manure, food waste and other organic matter are placed in an airtight tank, which is maintained at roughly 100 degrees Fahrenheit. The organic material is decomposed by a group of naturally occurring microorganisms found in livestock manure. The result is biogas and a slurry of partially decomposed organic matter, water and nutrients. MSU generates about 21,000 tons of manure and 1,500 tons of food waste every year.

## TIME SPAN OF THE GREAT RIFT

The Great Rift Valley of East Africa—the birthplace of the human species—may have taken much longer to develop than previously believed, according to research published in *Nature Geoscience*.

“We now believe that the western portion of the rift formed about 25 million years ago and is approximately as old as the eastern part, instead of much younger as other studies have maintained,” says Michael Gottfried, MSU associate professor of geological sciences. “Our study has major implications for the environmental and landscape changes that form the backdrop for that evolutionary story.”

Gottfried worked with an international team led by Eric Roberts at Australia’s James Cook University who added that the findings have important implications for understanding climate change models, animal evolution and the development of Africa’s unique landscape.

Traditionally, the eastern branch is considered much older, having developed 15 to 25 million years earlier than the western branch. This study provides new evidence that the two rift segments developed at about the same time, nearly doubling the initiation age of the western branch and the timing of uplift in this region of East Africa.





**UDDER DELIGHTS**—The next time you're on campus, try Udder Delights, an ice cream cookie sandwich developed by MSU students. Available at various campus locations, including the two dairy stores, the treat combines chocolate chip cookies baked by the MSU Bakers and ice cream from the MSU Dairy Store. Students in Bonnie Knutson's marketing class in The School of Hospitality Business developed a business plan and a student in Residential and Hospitality Services designed the packaging. "Udder Delights had the right combination of ingredients, name and potential for growth," vouches Joel Heberlein, director of the Spartan Hospitality Group.



## AG ADDS \$90 BILLION TO STATE ECONOMY

Michigan's food and agriculture business sector has emerged from the recession with flying colors, contributing an estimated \$91.4 billion to Michigan's economy, according to an MSU study presented at the Michigan Agriculture and Rural Development Commission meeting.

"The impact of Michigan's farms and the commodities they produce is 12 percent of the overall total, and their economic contribution has nearly doubled from less than \$7 billion to more than \$13 billion," says Chris Peterson, director of the MSU Product Center. "You'd be hard-pressed to find another business sector that has pulled through the recession with those kinds of numbers in just six years."

Michigan's food and agriculture industry remains core to the state's economic recovery and reinvention. The industry would rank 47th if it were on the list of Fortune 500 companies, notes Keith Creagh, director of the Michigan Dept. of Agriculture and Rural Development.

According to the report, Michigan has more than 73,000

full-time farmers and farm workers. That's 12 percent of 618,000 direct jobs in Michigan's food and agriculture business sector.



Every semester, MSU faculty, staff and students garner kudos too numerous to name exhaustively here. Some examples:

► **David Closs**, chairperson of MSU's Dept. of Supply Chain Management—ranked No. 1 for undergraduates and No. 2 for graduates by *U.S. News & World Report*—participated in a White House panel to discuss how to make the nation's supply chains more sustainable.

► **Timothy J. Collier**, a professor of translational science and molecular medicine at the College of Human Medicine and director of the Udall Center of Excellence in Parkinson's Disease Research,

has received the 2011 Bernard Sanberg Memorial Award for Brain Repair from the American Society of Neural Therapy and Repair. The award was presented in recognition of his work on the role of dopamine in neuron biology as applied to aging, Parkinson's disease and experimental therapeutics.

► Professor **Norbert E. Kaminski** in MSU's colleges of Veterinary Medicine and Human Medicine has been named vice president of the Society of Toxicology, a national organization of about 7,500 scientists. Kaminski is the director of MSU's Center for Integrative Toxicology.

## NEW FACES ON CAMPUS

► **Alan L. Smith**, director of graduate studies in the Dept. of Health and Kinesiology at Purdue University and co-director of Purdue's Sport and Exercise Psychology Laboratory, has been named chairperson of the MSU Dept. of Kinesiology. He replaces Deborah Feltz, who returns to the faculty after 23 years in the position.

► **Heather C. Swain**, interim vice president of University Relations since 2010, has been named vice president for Communications and Brand Strategy. She succeeds Terry Denbow, who retired.

► **Sheila Teahan**, associate professor of English, has been recommended to serve as MSU's faculty grievance official. Teahan joined the MSU faculty as an assistant professor in 1989 and was promoted to associate professor in 1995.

► **Christopher Steffes**, '12, MSU senior in accounting, won the Capsim Capstone Challenge that requires competitors to run a \$100 million business. More than 1,600 students around the world competed in the business simulation to identify the best potential future business CEO.

► MSU has been named to the 2012 President's Higher Education Community Service Honor Roll, and is the only institution in Michigan to make the honor roll "with distinction." Last academic year, 17,892 students registered at MSU's Center for Service-Learning and Civic Engagement.

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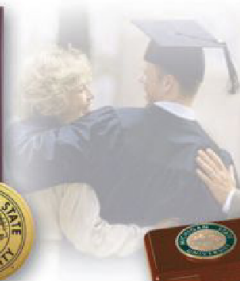
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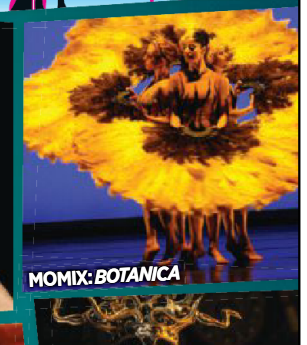
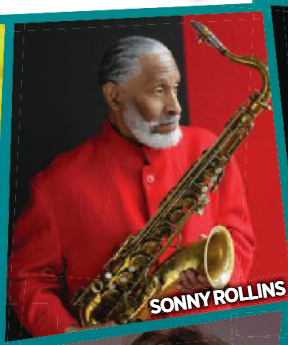
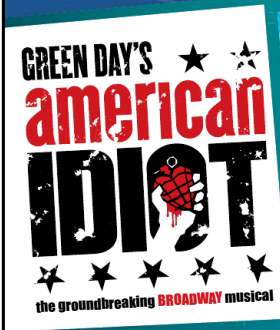
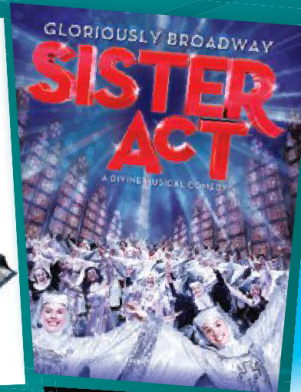
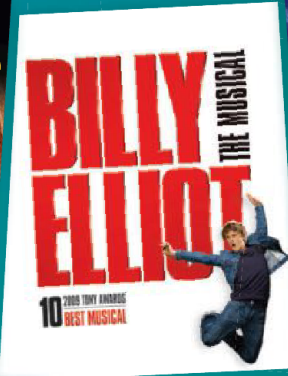
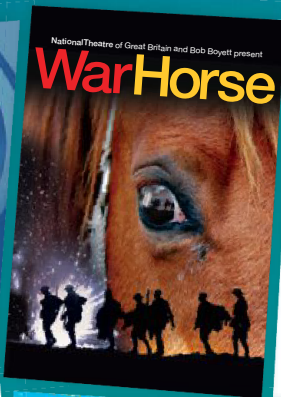


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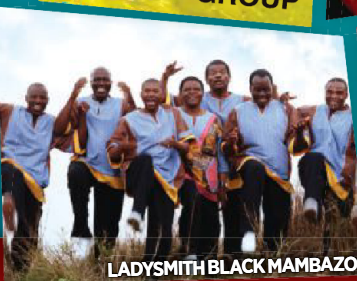
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*Professor Edward Rothwell (left), the inventor of self-structuring antenna technology, works with doctoral student Andrew Temme on advanced radars that can be more effective in search and rescue operations.*

Kurt Stepnitz/Communications & Brand Strategy

# GRADUATE STUDENTS AT MSU: HELPING FUEL THE ECONOMIC ENGINE THAT WILL





*By Laura Luptowski Seeley, '80*

## Graduate students at MSU are not just earning their degrees, they are contributing mightily to the economic development of the state and the country.

When Emma Setterington arrived at MSU in 2004 to begin her undergraduate work in biosystems engineering, her goal was not to improve the economy. Like most students, she sought a great education that would lead to a satisfying career.

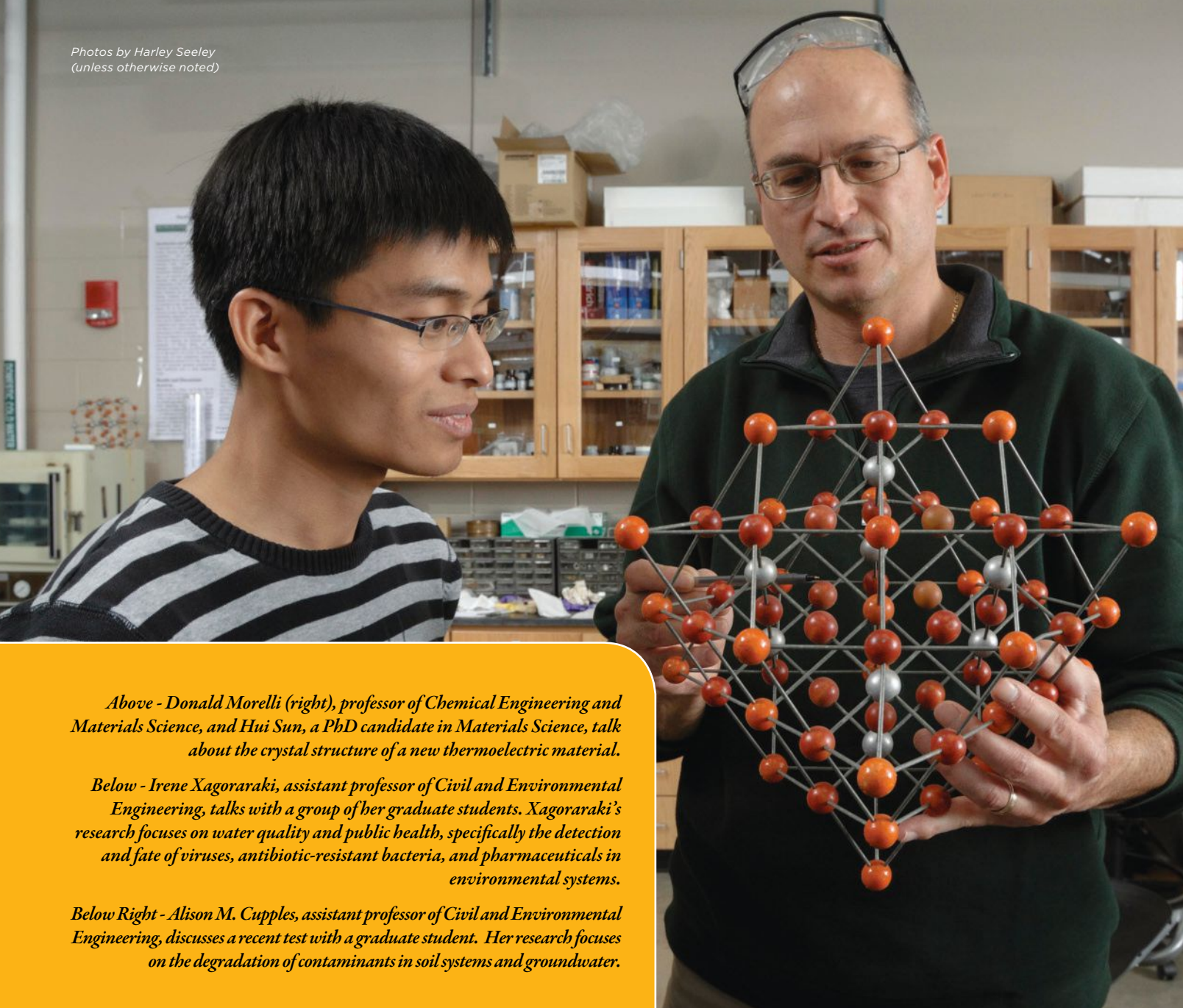
Today, Setterington is a research scientist in biochemistry at Neogen Corporation, a company founded in 1982 to manufacture and market viable biotechnology developed at America's land-grant universities. She works in Neogen's food safety division in Lansing, MI, in an R&D lab developing rapid test kits for food safety applications.

"My biggest project currently is a portable, handheld detection system for sanitation monitoring in food production and processing facilities," Setterington says.

She attributes her career success, in part, to her early research experience at MSU. In her second year as an undergraduate student, she began doing research under the supervision and guidance of Evangelyn C. Alocilja, professor of biosystems and agricultural engineering and an MSU AgBioResearch scientist. Setterington worked on developing the magnetic nanoparticles that were later used in her master's research in the development of a biosensor for rapid detection of *E. coli*.

"It was great preparation for my later graduate research since I gained familiarity with scientific literature, laboratory methods and practices, and the requirements of a graduate program," Setterington says. She again worked in Alocilja's Biosensors Lab as a graduate student, receiving her master's degree in 2010.

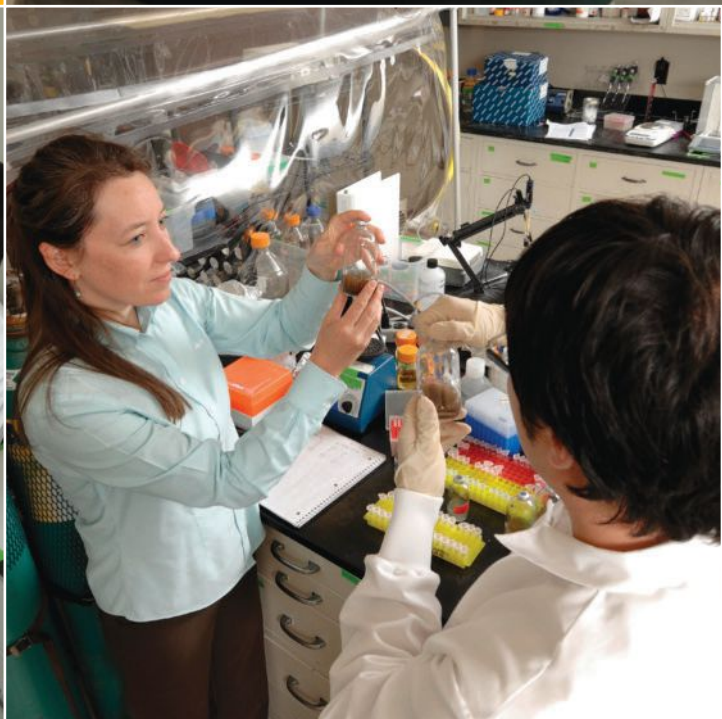




*Above - Donald Morelli (right), professor of Chemical Engineering and Materials Science, and Hui Sun, a PhD candidate in Materials Science, talk about the crystal structure of a new thermoelectric material.*

*Below - Irene Xagorarakis, assistant professor of Civil and Environmental Engineering, talks with a group of her graduate students. Xagorarakis's research focuses on water quality and public health, specifically the detection and fate of viruses, antibiotic-resistant bacteria, and pharmaceuticals in environmental systems.*

*Below Right - Alison M. Cupples, assistant professor of Civil and Environmental Engineering, discusses a recent test with a graduate student. Her research focuses on the degradation of contaminants in soil systems and groundwater.*





Increasingly, students who earn graduate degrees at MSU are viewed as “economic engines,” major contributors to this country’s economic development—some even before they enter the workplace. Perhaps no one realizes the importance of this more than Satish Udpa, dean of MSU’s College of Engineering.

“If we want to maintain our market advantage, we have to push for graduate education and research, because that’s vital,” says Udpa. “Economic development in this country depends very much on our ability to be innovative and creative, and to translate creative ideas into the marketplace.”

Yet, at a time when the growth of U.S. research activities and graduate education is most critical, federal and state resources continue to diminish. It’s leading to some troubling statistics.

### Trouble on the High-Tech Horizon

Michigan-based companies are struggling to find skilled workers to fill high-tech jobs due to the shortage of domestic students earning degrees in engineering and technology fields.

In countries like Singapore, China, Taiwan and South Korea, the number of researchers has grown at a much faster pace than in the United States. Likewise, the number of U.S. patents issued this past year have been on a downward trend. During the past several years, high-technology exports in the U.S. have steadily dropped, while countries in the Far East, the “tiger economies,” have seen their high-tech export figures continue to ramp up, according to data in *Science and Engineering Indicators 2012*, a report published by the National Science Foundation’s National Science Board.

To turn these statistics around, the U.S. must find ways to increase the number of domestic students who earn graduate degrees here in the U.S., as well as create jobs that will keep overseas students here in this country after they earn their degrees.

The number of students who earn advanced degrees from MSU has been on the rise since 2008. Approximately 2,500 students earned advanced degrees from MSU in the fiscal year 2010-2011. The College of Engineering awards about 150 MS and PhD degrees each year.

“Basic and applied research are both vital to keeping the economy

While serving as the head of the Manhattan Project’s National Defense Research Committee (the Manhattan Project was a research and development program undertaken during World War II to develop the first atomic bomb), Bush discovered something. The most creative phase in the lives of most scientists spanned the 20-30 years of age period. Bush realized that educational institutions would be the best place to capture the intellectual “hot spot” of these young people.

“Bush suggested that perhaps the most effective way to keep the basic research enterprise at

**“Graduate fellowships are a cornerstone of strong research programs and . . . allows us to recruit the most capable.”**

humming,” says Udpa. “And we have a vested interest in keeping this economy going, because we want to maintain the kind of lifestyle we’ve enjoyed for the past 60 years.”

In contrast to applied research, which generally takes place in an industry setting, basic research takes place primarily in university labs. That’s credited mainly to an engineer named Vannevar Bush (1890-1974), who earned his PhD at MIT, became a faculty member there, and ultimately became MIT’s vice president and dean of engineering. He was known for his work on analog computing and started the company that eventually became Raytheon, one of the top 50 companies in the world today.

its best was to fund universities to carry out basic research,” says Udpa. Bush also helped create the National Science Foundation in 1950 and authored a book titled *Science—The Endless Frontier*.

“Bush is the father of numerous things, and we don’t give him enough credit,” says Udpa. “Because of him, around the world, U.S. universities are now held in great regard; we are powerhouses when it comes to research and technology development.”

But the basic research carried out at universities across the country may not be of evident use right away; its value may not be realized for several years—or several decades.

When electricity was discovered in the 17th century, nobody

thought “it’s going to provide electricity to power all our homes,” or “it will power industry.” Likewise, when quantum mechanics was discovered, people didn’t realize the impact it would have on semiconductor design, LEDs and an entire range of technologies. “Those concepts, those investments that we made a long time ago, are now paying off,” Udpa points out.

### Investing in a Collaborative Environment

A collaborative environment is perhaps a university’s biggest advantage when it comes to new ideas and discoveries. Where else would you find a concentration of biologists, physicists, chemists, engineers and business people, for example, all in one location? Furthermore, who would ever think that studying flies and crickets could lead to the development of a high-tech device to help the hearing impaired? But that’s exactly what happened in one instance.

University biologists were studying the *Ormia ochracea*, a small, yellow nocturnal fly found in the southwest that uses crickets as a way to raise its young. The fly deposits its larvae on a male cricket, which it locates by listening for the cricket’s chirp.

Research was carried out to determine how the fly is capable of locating the crickets, even though its ears are spaced a miniscule distance apart. Despite this limitation, the fly can determine the direction of sound source with amazing precision.

“The tympanic membranes of opposite ears are connected mechanically, allowing localizing acoustic sources with resolution of less than two degrees (a 50-nano-second delay), using eardrums separated by 0.5 mm,” Udpa explains. Hearing about the biologists’ work, an engineer asked



*Above - Wen Li (left), assistant professor of Electrical and Computer Engineering, with master's degree student Brian Crum, performing an experimental measurement of a wireless microsensor, which has potential applications in intraocular pressure detection.*

*Right - AgBioResearch Scientist Evangelyn C. Alocilja (right), professor of Biosystems and Agricultural Engineering, discusses a biosensor developed by graduate student Emma Setterington, who is now a biochemist at Neogen Corporation, Lansing.*







Kurt Stepnitz/Communications & Brand Strategy





*Karim Oweiss (left), associate professor of Electrical and Computer Engineering, works in the lab with graduate students Ali Mohebi and John Daly to develop new tools and techniques to advance the understanding of the nervous system.*

himself: “Could we replicate this in a circuit?” The result is a microphone-array hearing aid.

### Investing in Creativity and Innovation

There has never been a more compelling need to invest more heavily in creative and innovative efforts.

“Many of our manufacturing industries—televisions, audio equipment, semiconductor memory, the photographic and film industry—have gone overseas,” says Udpa. “Your children won’t know what a ‘Kodak moment’ is. It’s gone.

“On the other hand, industries that did not exist just 10 years ago are now booming—like Google, Microsoft and Intel. Some companies die, but they are replaced by new types of industries.” That’s the concept of “creative destruction,” a term popularized by Austrian-American economist Joseph Schumpeter.

“Looking at innovation and creativity, we may be ahead of the game,” Udpa says. “Roughly 40 percent of the top 100 companies today—like Google and Intel—are in the United States. If you ask experts what contributes to innovation and creativity, and this concept of creative destruction, they will respond: a good business climate, an ecosystem that promotes innovation and creativity, and something called incremental engineering.”

For instance, Udpa points out, “Telephones were in business long before the iPhone came along. The iPad came out when others already had laptops. Steve Jobs took old concepts and put new ideas, new life back into them. That’s incremental engineering.”

### Investing Early in the Research Enterprise

Even more important than a good business climate and

innovative ideas is a well-trained workforce.

To ensure a workforce of well-trained Spartan engineers, MSU’s College of Engineering is making investments in its research enterprise earlier in a student’s college career than most would expect. Along with the more than 800 graduate students you’d expect to find working in the labs each year, more than 200 of the college’s 3,400 undergraduate students work alongside faculty researchers. Some participate as early as freshman year through the MSU Honors College Professorial Assistantship Program. Next year, the College of Engineering expects to pair more than 300 undergraduates with research faculty members.

Like Settrington, Andrew Temme, currently an MSU electrical engineering doctoral student, was introduced to research in fall 2006, his freshman

year at MSU. Temme, from Casper, Wyoming, came to MSU as a STARR Scholar—the recipient of the STARR Charitable Foundation Scholarship. The scholarship fund was established by an MSU graduate to benefit high character students from Wyoming. At MSU, Temme was an undergraduate research assistant in the Smart Microsystems Laboratory, where he was involved in the study of electroactive polymer sensors. In 2008, he joined the electromagnetic research group in MSU’s College of Engineering.

“I had been interested in electronics my whole life, but I really became interested in radios and electromagnetics during my junior year of high school as I was writing a History Days report on the use of amateur radio (also called ham radio) during emergencies,” recalls Temme. “I ended up getting my amateur radio





*Philip McKinley, professor of Computer Science and Engineering, and PhD student Anthony Clark design robotic fish as part of a collaborative research project funded by the National Science Foundation.*

license and have been interested ever since.

“My research experience as an undergraduate has served to shape me as a researcher,” he notes. “I have experience that many other graduate students do not have until a few years into their graduate studies.”

Temme, who earned his bachelor’s degree in electrical engineering in 2010 and received a National Science Foundation Graduate Research Fellowship that same year, explains his success as a researcher. “The most significant contributions have been the mentoring by older students which has taught me how to persevere, design my experiments, fix my experiments and also publish my experiments,” he notes. “These basics have set me up so that I am confident in starting my PhD project as an individual researcher and not as an assistant.”

He completed his master’s degree in 2011, working in the lab

of Professor Edward Rothwell, the inventor of self-structuring antenna (SSA) technology. A patent for the antenna was granted to MSU in 2001, and Monarch Antennas (a joint venture between MSU and Delphi Technologies) was started to develop and market the technology. SSA improves the reliability of wireless devices such as cell phones and laptops, and has the potential to provide fewer dropped calls, smaller dead zones, faster downloads and longer battery life. Rothwell serves as the senior technical consultant to Monarch.

Temme has just begun work on his PhD, again in Rothwell’s lab, studying the effect that fire has on through-wall radars. “These types of radars can be used for search and rescue during emergencies,” Temme says. “There is existing research in through-wall radar, and on the interactions between forest fires and weather radar; however, I have not been able to

find research that studies house fires and search and rescue radars together. Advances in this area could lead to companies producing search and rescue radars for the fire service.”

He expects to complete his PhD in 2014 and may then continue his work at a research and development laboratory or company, or at a small startup. “I took an entrepreneurship class while an undergrad and I’m open to pursuing a startup if the opportunity is available,” he says.

### **Research Investments Contribute to Economic Development**

Meanwhile, back in Alocilja’s lab, new and continued research has recently led to the formation of a startup company—nanoRETE—which will develop and commercialize an inexpensive test for handheld biosensors to detect a broad range of threats such

as E. coli, Salmonella, anthrax and tuberculosis. The mobile technology comes at only a fraction of the cost of the closest currently available competing technology, company officials say.

A significant leap forward in detection and diagnostic technology, the device utilizes novel nanoparticles with magnetic, polymeric and electrical properties developed by Alocilja.

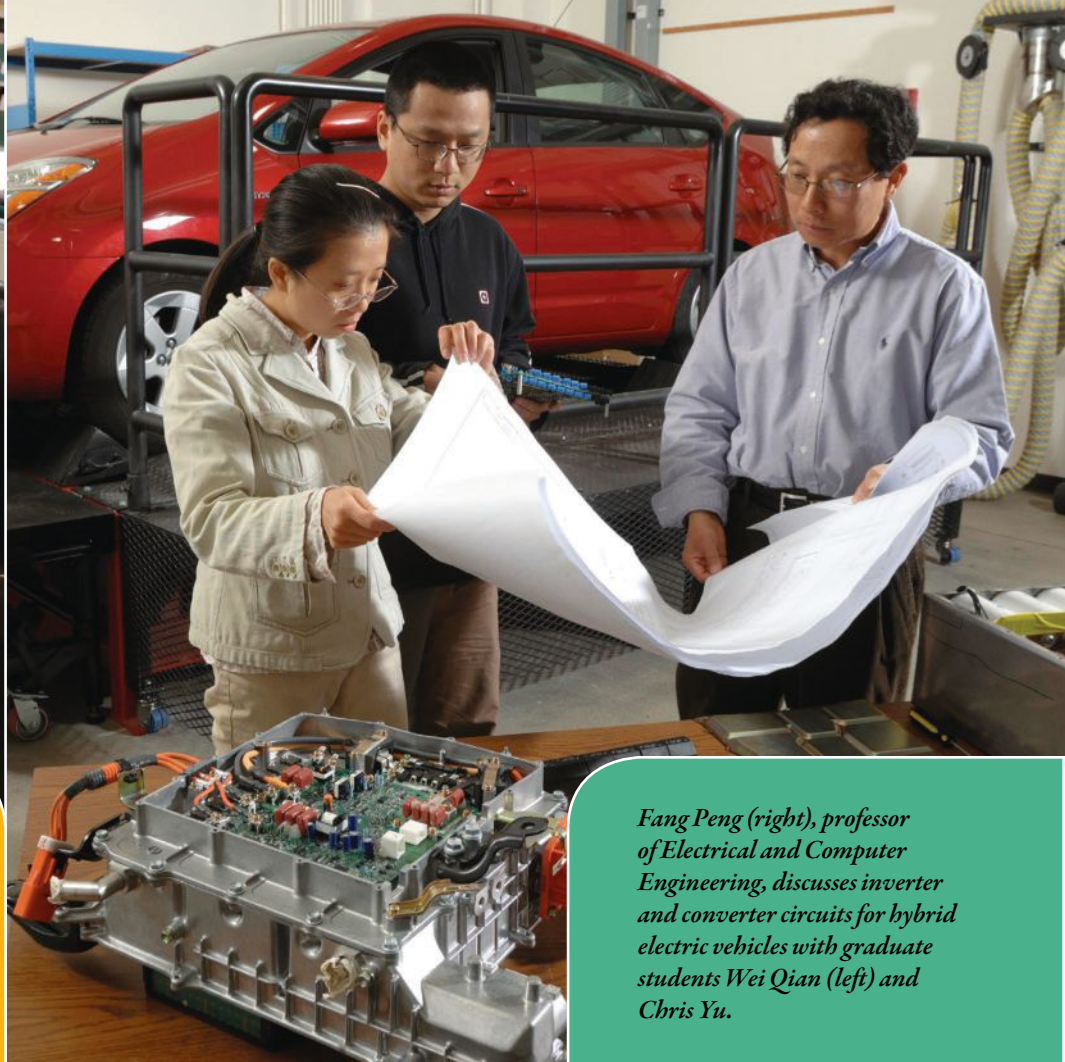
“Our unique preparation, extraction and detection protocol enables the entire process to be conducted in the field, without significant training,” says Alocilja. “Results are generated in about an hour from receipt of sample to final readout, quickly identifying contaminants so that proper and prompt actions can be taken.”

nanoRETE is backed by Michigan Accelerator Fund I, a Grand Rapids, MI, investment partnership focused on Michigan-based early stage life science and





*PhD student Soweon Yoon (right) discusses her work on detecting altered fingerprints with Anil K. Jain, University Distinguished Professor of Computer Science and Engineering and internationally recognized leader in the area of biometrics and pattern recognition research.*



*Fang Peng (right), professor of Electrical and Computer Engineering, discusses inverter and converter circuits for hybrid electric vehicles with graduate students Wei Qian (left) and Chris Yu.*

technology companies.

"I would encourage graduate students, and even undergraduates, to network with industry professionals in their field as much as possible while still in school," Setterington advises. "Graduate students—and MSU's research program—can benefit from including industry representatives on their committees, so that research projects can be designed as much as possible to meet real-world needs, increasing the rate of technology transfer from MSU to the market."

Research and other grants at MSU totaled \$495 million in 2009-10, while research expenditures in the College of Engineering currently stand at more than \$50 million.

The cause has also been greatly helped by philanthropy, such as the recent transformational \$7 million gift that will help expand MSU's Dept. of Geo-

logical Sciences in the College of Natural Sciences, home to 4,900 undergraduate student majors and nearly 1,000 graduate students in physical, mathematical and biological sciences.

As President Lou Anna K. Simon says, "Endowed professorships and endowed graduate fellowships are critical building blocks for excellence in every academic area."

**Increasingly, MSU graduate students are viewed as major contributors to this country's economic development—some even before they enter the workplace.**

The gift, earmarked toward new professorships and graduate research fellowships, comes from an MSU graduate who wishes to remain anonymous but who clearly understands the value of graduate students and research.

"Graduate fellowships are a cornerstone of strong research programs and this funding allows us to recruit the most capable," says R. James Kirkpatrick, dean of the College of Natural Science. "The fellowships will provide

funding for students to earn their degrees while undertaking advanced research alongside leading faculty."

Meanwhile, Dean Udpa is increasing efforts to grow his college's research enterprise. "Over the past six years, we have more than doubled the amount of research that we do in the College of Engineering," he says. "We need to double that once again in the next three or four years in order to keep pace with what's going on around the world. And that's going to happen even though federal and state resources are constrained. We must continue to invest in these kinds of things. They represent the seed corn for maintaining our competitive edge." 🍀

► **Laura Luptowski Seeley**, '80, is director of publications and media relations for MSU's College of Engineering. She has worked on campus for more than 25 years.





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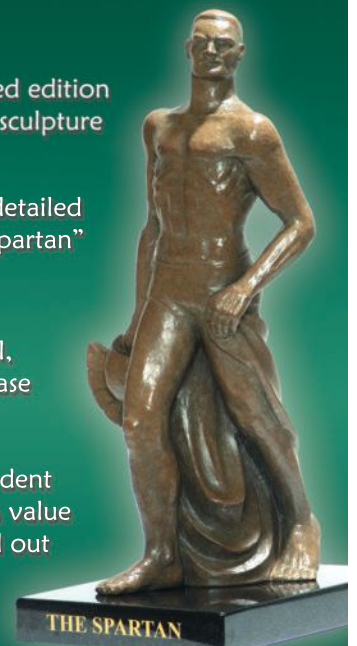
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*A former MSU band member recollects the life, times and many contributions of an iconic figure of MSU history and of American culture.*





MSU's Music Man

THE INCOMPARABLE

LEONARD

FALCONE

By Rita Griffin Comstock, '68

There is no statue outside the music building on the MSU campus, no exhibit inside its brick walls honoring the genius of the man who taught thousands of students for 57 years, producing through them some of the best, if not the best, college concert and marching bands in the nation. But pass through the heavy oak doors of its West Circle entrance and head down the corridor on your right to 116 MB, the Director of Bands' office. If the door is open—and it often is—you will see a portrait of him hanging on the west wall. There is no name indicating who he is—no little bronze tag affixed to the bottom of the frame, no card in a plastic sleeve underneath. But if you are old enough, you might recognize him anyway. It is Leonard Falcone, once the “Dean of the Big 10 Band Directors” and forever “The Father of the MSU Bands.”

Those of us who attended MSU before the 1970s have indelible memories of Leonard and his band on the gridiron. Remember those crisp football Saturdays when the sight of the green and white marching machine kick-stepping onto the field ingrained in us a pride that even after all these years buoys the spirit? Many of us can still hear the echoes of its majestic, soul stirring sound at pre-games as the “MSU Fight Song” and “The Star Spangled Banner” swelled and filled the stadium, and picture Leonard mounting his wooden perch with an aura of high purpose during the half time shows, and from there summoning massive waves of musical drama with grand sweeps of his baton.





*Falcone arrived in 1927 to take charge of the MSU military band.*

M.S.U. 1927.

PHOTO BY PRATT

Current students may not know who he was, but Leonard Falcone left a permanent mark on the MSU they are familiar with today. The magnificent band they and nearly 20 million other spectators saw in the 2012 Outback Bowl had its roots in the Falcone marching bands of the 1950s and '60s. Bands such as the high-stepping one that stunned spectators on September 2, 1952, when at the Michigan-MSU game it ripped onto the field in flashy new green and white uniforms—the first non-military uniforms donned by the band—in a fast tempo, 220 beat-per-minute kick-blast that was to become its signature entrance routine. Or the one at MSU's January 1st, 1954, Rose Bowl game, when thousands of fans refused to leave the stadium after the game was over until it took the field and for nearly an hour played and went through snappy drills as the crowd demanded "More! More!" Or the innumerable '60s bands that performed the kaleidoscopic "Patterns in Motion," an innova-

tive choreography that became the model for all modern marching bands and provided a performance lexicon that led to many more changes in marching band style. "Patterns in Motion" can be

ing. His immense talent, and the fact that he served as MSU's Director of Bands from 1927 until 1967 made him one of only a very few conductors in history to preside over and develop a band

**Falcone's bands performed for four U.S. presidents, at the 1964 New York World's Fair and in three Rose Bowls (1954, 1956 and 1966).**

seen today in our band's pregame "Spinning the S" routine, when marchers form the "Block S" in a manner that leaves the audience wondering how they did it.

That Falcone is considered by those in the know to have been at the forefront in establishing the college band as a dominant force not only at MSU, but in American culture as well, is not surpris-

ing. His immense talent, and the fact that he served as MSU's Director of Bands from 1927 until 1967 made him one of only a very few conductors in history to preside over and develop a band

concerts there with thousands of concert-goers showing up weekly to hear his band play. Though he led the MSU bands, both concert and marching, to astonishing heights, the truth of the matter is that getting them there wasn't always easy. It took a combination of an extraordinary work ethic, solid character and sheer talent for him and the bands he built to succeed.

Like most of us, Leonard Falcone probably established his character and work ethic in his early years. As a young child in Roseto Valfortore, Italy, among other responsibilities he lathered men's beards in his father's barber shop and was already earning his own living as an alto horn player in the village band by age nine, a feat that also allowed him to pay for his music lessons. When he came to this country at 16, a small, naïve boy traveling alone from Ellis Island to Michigan without the benefit of knowing the English language or the country's customs. His brother Nicholas (who had immigrated





*Falcone made a national splash on television with the 1953 band, which made a stunning appearance at the 1954 Rose Bowl. (Inset) The bandshell used to attract thousands of concert-goers every week.*



two years before him and was the director of a pit orchestra in one of the fine silent film theaters in the Ann Arbor/Ypsilanti area of the day) helped him land a job as an assistant tailor and to find gigs as a theater musician.

It was in Ann Arbor that Leonard, while still in his teens, became an orchestra director at the important Wuerth Theater on Main Street, made a reputation for himself as an artist, learned the language, became an American citizen and got an education at the University School of Music, a private school with close ties to the University of Michigan. There, in the school's outstanding orchestra, he rose to the position of concertmaster,

playing on a violin he had won at an Ann Arbor street fair. It was an instrument that earned him a spot (which he declined) in the Detroit Symphony. Most of his future students were unaware of his violin prowess because of his overriding reputation as the world's leading euphonium horn soloist. In 1927, just as sound was beginning to come to the movies, he was offered an appointment at Michigan State College as director of bands. He took it—just weeks after his brother Nicholas took the same position at the University of Michigan. They were to become a titanic duet of conductors who for years exchanged services in a spirit of cooperation and love of music, encouraging one another and their respective

**bands to reach greater and greater heights of musical expression.**

The association between the universities and the brothers was so close that in 1934

**Leonard Falcone** became the **conductor** of both the Michigan **State College** and University of Michigan Bands when Nicholas, trapped in a devastating situation, was no longer able to conduct. It was probably the only time in the history of major university bands that a single director was in charge of two competing groups; little wonder that the local press, struck by Leonard's ability, devotion and stamina, dubbed him "Iron Man."

Toward the end of his life, as homage to his enormous influence on the music world, Leonard was awarded an honorary PhD from MSU. "As a little immigrant boy, shall we say, I have come to the top by being granted this doctorate," he commented in an August, 1980, edition of the *Grand Rapids Press*. In

1984, he was inducted into the National Band Association's Hall of Fame, joining the ranks of John Phillip Sousa, Carl King and Henry Fillmore. A year after his death, several of his former students founded the renowned Leonard Falcone International Euphonium and Tuba Festival and Competition at the Blue Lake Fine Arts Camp in Twin Lake, MI, to provide "a continuing testimony to the profound influence of Dr. Leonard Falcone upon the lives of his students and the extraordinary level of artistry he achieved throughout his career on the instrument he loved."

I don't know who has spent the most years devoted to MSU and its students, but Falcone is at least a final contender for the title. After his arrival on campus in 1927 at age 28 to take over as director of bands, he held the position for 40 years and then he followed it by another 17 teaching low brass students in his Music Practice Building retirement office, conducting the marching band in the "MSU Shadows" at



home football games and continuing to put his stamp not just on the school he loved, but on college bands everywhere. During Leonard's years as director of bands at State, the school had grown more than 15 times over, from 2,568 students to 38,758 in 1967. He had taken its little known band from a small military unit with discipline problems and questionable playing skills to a nationally recognized 144 member marching sensation with a reputation for musical excellence that performed for four U.S. presidents (Hoover, Roosevelt, Truman, and Johnson), at the 1964/1965 New York World's Fair, and at three Rose Bowl games (1954, 1956, and 1966)—not to mention for millions of fans across the nation both live and on television.

Fittingly, "MSU Shadows," the alma mater that will forever be associated with him, was the

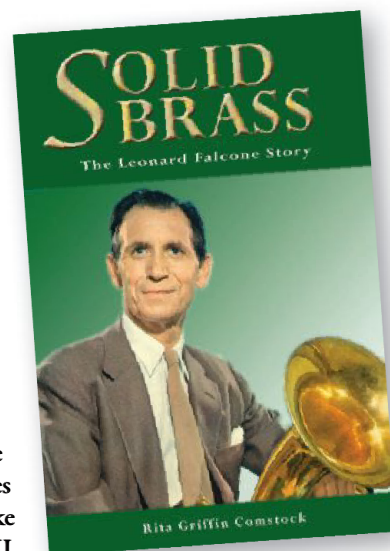
last music Leonard Falcone heard performed in his life, and the last tune played at his memorial service. It was there, at a "Mass of the Resurrection" at St. Thomas Aquinas Church in East Lansing on May 9, 1985, that the hundreds of former and current MSU band members, people who already knew Leonard as a devoted and generous man, discovered the depth of his dedication to MSU when they learned that he had willed his body to the Department of Anatomy. He had given the university his talent, his loyalty, his intellect, his heart, and finally, his very self. Can a man bequeath more to Michigan State University than that? 🟩

*Rita Griffin Comstock, '68, played clarinet in the MSU Concert Band from 1964-65 under Leonard Falcone, and continued to play in various*

*community bands including The Bay Winds (MD), the Fairfax (VA) City Band and the Maynard (MA) Community Band. In the 1970s, she worked as a writer for Prentice-Hall before becoming a mother to three children, Edward, Mary and James, and later taught*

*Solid Brass: The Leonard Falcone Story* (Blue Lake Press, 2011), by Rita Griffin Comstock, tells the inspirational saga of virtuoso band leader Leonard Falcone, whose life journey—including more than four decades at MSU where he worked tirelessly to establish musical excellence. Readers of this magazine can receive a 20 percent discount—visit [www.leonardfalcone.com/MSU](http://www.leonardfalcone.com/MSU). All proceeds from book sales support the Leonard Falcone Endowment Fund, which provides music scholarships at the Blue Lake Fine Arts Camp in Twin Lake, MI.

*English at Stonewall Jackson High School in Manassas, VA. She now works for the Prince William County Public Schools, VA, and lives in Sudbury, MA with her husband, Ed.*



## LEONARD FALCONE: A PERSONAL PERSPECTIVE



*By John Madden, '85*

In the spring of 1984, I had the privilege of performing as principal trumpet player in the MSU Symphony Band. Although he retired in 1967, Professor Falcone was often in the music building, when healthy. He taught, attended concerts and football games, and often had band members whispering, "Isn't that Leonard Falcone?"

I was thrilled when I learned that Dr. Falcone was healthy and able to guest conduct the Symphony Band. The repertoire he chose included a classic "Falcone transcription" of a march titled "Torino." I was assigned a tricky little solo line for the 1st cornet part.

On our first reading of the march, we were enthralled by Falcone's exuberance on the podium. When I played the solo (thinking I was performing well), he stopped the band. "Who's playing the cornet solo?" he queried, looking through thick tinted glasses. "I am, Dr. Falcone," I said. He replied, "No, no, no, no. Do it again, not so fast on the 16th notes." So I adjusted. After some more attempts, he said, "Please see me after rehearsal."

I arrived at his office in the Music Practice Building the next day, expecting to tweak the solo to his liking and to quickly move on. I played for him. After my first try, he said, "Much better!"

The magical part of this story is that the lesson turned into an intimate chat about music and music making. We visited for several hours (I skipped 2 classes). He asked me questions about what I wanted to do with my career. He played his baritone for me, after not playing it for years. I had to oil the valves for him. It sounded as if he never put it down. His embouchure was perfect. He was 86 years old at the time.

We then played reel-to-reel tapes of his MSU Concert Bands, including a recording of Torino. I asked him a ton of questions. We had the kind of visit I imagine he had with hundreds of students over his 40-year career at MSU. Perhaps he heard me as a trumpet player who needed help or perhaps he heard some potential in my ability to be artistic. I'll never know. Those three hours in his office changed my life.

So many of us have only heard the legend, heard the recordings and learned of his legacy second-hand. On that day, I became one of the privileged few "Falcone students." It was a blessing, as he passed away the next year. What we talked about that day is always present in my current teaching.

*John Madden has been director of the Spartan Marching Band since 1989.*





# INAUGURAL RING MARCH

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*"The ring signifies a Spartan's official entry into the Spartan Nation."*

– Scott Westerman, MSUAA Executive Director

Michigan State University's first-ever official class ring and a new Spartan tradition was inaugurated at 4 p.m. on April 22, 2012 during the MSU Alumni Association's **Inaugural Ring March** from Sparty to Beaumont Tower. MSU President Lou Anna K. Simon congratulated all the ring recipients and their "Honorary Presenters" on behalf of the university before giving Sparty his ring. In conclusion, Beaumont's bells rang for ring recipients in honor of their academic success and formal entry into the "Spartan Nation."



Scan with your smartphone for more info about the Inaugural Ring March

*"Excellent event! It will grow in stature as years progress. Very meaningful to have the ring ceremony at Sparty and Beaumont Tower."*

*"Classy event. Very motivational!"      "Honored to be a part of it."*

*"What a memorable way to present Spartan Rings! Those presenting and receiving will never forget the Ring March. Thank you MSU for making it so meaningful for us!"*

*"My wife and I enjoyed presenting my daughter's ring alongside the others. It instilled pride and was very inspiring. The Ring March will get bigger and better every year."*

To learn more about the upcoming Spartan Ring March, contact MSUAA at 517.884.1000. MSU alumni may order their SPARTAN RING at [balfour.com](http://balfour.com) or by phone at 866.225.3687.



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# MSU

## SUSTAINABILITY

### SAVING ENERGY AND CREATING JOBS

By Tom Oswald

*MSU's new energy transition plan will guide the university toward a greener future with 100 percent renewable energy as the ultimate goal.*

On April 13, 2012, MSU took a giant step toward the future, a future in which the university powers itself with 100 percent renewable energy.

It was on that day that the MSU Board of Trustees officially adopted the university's Energy Transition Plan, a document that will not only set energy-use standards for the future, but will guide all of MSU's future energy decisions.

By design, the plan sets high-level goals and recommends strategies that will meet the energy needs of the campus, reduce carbon emissions, and implement renewable energy infrastructure. This will be a university-wide effort with far-reaching benefits to improve the world for many generations.

The plan utilizes research from MSU faculty, students and staff, as well as outside experts, and addresses critical variables—reliability, cost, health, environment and capacity—that impact MSU's many stakeholders in the local community, across the state, and throughout the world.

More than a year in the making, the plan was created by the Energy Transition Steering Committee, a 24-member group of students, faculty and staff whose charge was to develop a plan to help MSU reliably meet its future energy needs while keeping a close eye on costs and environmental impacts.

Among the committee's members were those who have made it no secret that they are opposed to MSU's burning of coal in the power plant. Fred Poston, vice president for finance and operation, said the goal all along was to collect a variety of opinions.

"Given the strong views held by many of the committee members, I would have been surprised to receive unanimous support of the resulting compromise plan," Poston says. "There was, however, strong overall support to move the plan forward."

#### The plan has three specific goals:



- ▶ Improve the physical environment of the campus. That means the pursuit of aggressive, sustainable energy conservation to reduce greenhouse gas emissions and the re-investment of energy savings for future renewable technologies.
- ▶ Invest in sustainable energy research and development. The university will strive to promote sustainable energy research by using the campus as a living, learning laboratory for developing, evaluating and demonstrating new technologies.
- ▶ Become an educational leader in sustainable energy. MSU will apply its knowledge to improve the quality of life for local, regional and national communities. The university will share what it learns through its energy-transition process.





*Energy use on campus is monitored in the control room of MSU's power plant. MSU has taken a leadership role in higher education with its energy transition plan.*





**This plan will set standards and govern future energy decisions, similar to how the Campus Master Plan guides the university's growth.**

"This is an important step toward a renewable future at MSU," says MSU President Lou Anna K. Simon. "This plan will set standards and govern future energy decisions, similar to how the Campus Master Plan guides the university's growth."

You can learn more about the plan at [energytransition.msu.edu](http://energytransition.msu.edu).

### **Energy and Economic Impact**

Poston says that "energy conservation is at the core of the transition plan." Not only will MSU's conservation efforts reduce the university's environmental footprint, it will reduce costs, with a long-term effect of making an MSU education more affordable and accessible to Michigan students and their families.

In addition, a number of local, state and regional companies are working with MSU, creating jobs where before there were few.

For example, Black and Veatch, an accomplished engineering firm, was contracted to inventory and describe MSU's current power system and to recommend some of the current power energy technologies applicable to the MSU power plant.

Energy Strategies, a nationally recognized firm, helped MSU develop an integrated energy forecasting model that enables users to gain better insights into the economic, operational and environmental tradeoffs for power generation and use at MSU.

MSU also has teamed with Peter Basso Associates, a Michigan firm that has provided invaluable work in what's known as "retro-commissioning"—the assessment of a building's energy use and system performance as it pertains, in this case, to energy efficiency.

The firm has worked with MSU on a number of projects—the

Broad Art Museum, Shaw Hall dining facility and Marshall-Adams Hall, to name a few. It's this partnership with MSU that has allowed the company to thrive.

"Although we had provided retro-commissioning services to clients in the past, our continued track record of satisfaction with MSU's retro-commissioning program has opened up new opportunities for higher-education clients," says Randy Wisniewski, the company's director of contract administration/commissioning. "We are proud of our success at MSU and grateful for the opportunity to be a part of their storied program."

One MSU building that has reaped the benefits of the retro-commissioning program is Erickson Hall, a classroom building and home to MSU's internationally acclaimed College of Education.

Constructed in 1957, Erickson suffered from a variety of energy inefficiencies that needed to be addressed, including duct-work sealing, outdoor air damper adjustments, inefficient doors and a number of other problems.

After five years of work, the building is humming along like new.

"We're very pleased with the results we've seen on Erickson," says Lynda Boomer, energy and environmental engineer with MSU Physical Plant. "This work has resulted in a 32 percent reduction in energy use."

Meanwhile, commissioning work has begun on a number of other aging MSU buildings.

"We'll be doing this work on perhaps another 100 buildings," Boomer notes. "We're projecting that across all of the 20 million square feet of campus that we can save, on average, about 20 percent."

"We are measuring building performance at all levels—device,



system, total building, and making minor adjustments as needed,” says Jason Vallance, a commissioning engineer with Physical Plant. “The intention is to ensure that each building we evaluate is operating as close as possible to the current facility requirement with what is currently installed.

“It is through these slight changes and optimizations that energy consumption is lowered.”

And while MSU is investing millions of dollars into this work, it won’t take long to see a return on investment.

“The average payback is about seven years, and that includes funding the commissioning team that is doing the work, the consultants, hiring the contractors and so on,” says Boomer.

In addition to Peter Basso and Black and Veatch, a number of other engineering and consulting firms have been hired by MSU to do much of the initial work on the buildings.

“This has proven to be a win-win situation,” Boomer says.

“Jobs are created by this need and MSU benefits by getting valuable work done at reasonable rates.”

Despite recent upticks in the nation’s economy, Michigan continues to feel the brunt of it. “We work with a lot of Michigan firms that otherwise wouldn’t be able to hire or even keep many of their employees,” Boomer says.

### **Saving energy campus wide**

Retro-commissioning is just one of many examples of how MSU is performing as an environmental steward. The following are a number of other ongoing projects that demonstrate how MSU is truly green.

### **Anaerobic Digester**

Later this year MSU will debut its second on-campus anaerobic

digester, a contraption that takes organic waste from the university’s farms and dining halls and turns it into a renewable source of energy.

Anaerobic digesters take waste from livestock and store it in a tank that is deprived of oxygen. This allows the waste materials to decompose quickly and produces methane that can be captured and used as fuel. Otherwise, methane released by waste decomposition in the open represents an extremely potent greenhouse gas.

Agricultural Engineering who is overseeing the project. “It will be the largest in volume and in energy output.”

### **Alternative energies**

When it was constructed in 2009, MSU’s Recycling Center and Surplus Store became the first on-campus building to use rooftop solar panels to generate power. The panels produce about 10 percent of the facility’s electricity. Other green features of the building include the use

For more information on how the geothermal field will work in the Bott Building, check out this video: [construction.msu.edu/index.cfm/projects/bott-building](http://construction.msu.edu/index.cfm/projects/bott-building).

### **Biofuels**

The T.B. Simon Power Plant burns biomass as a step toward fewer emissions and cleaner air. Of the plant’s five boilers, one is a fluidized-bed boiler specifically for renewable fuels. Earlier this year, power plant engineers increased the amount of biofuel



Not only will this process help keep waste materials from heading to the landfill, it also will produce enough electricity to power several south campus buildings.

In comparison, a smaller anaerobic digester already in use at MSU for research purposes (the Anaerobic Digester Research and Education Center), uses pretty much all of the biogas that is produced to run the system.

“Once complete, this system will be the largest on a college campus in the United States,” says Dana Kirk, a specialist from MSU’s Dept. of Biosystems and

of recycled glass in the concrete around the building, and rain-water collection which is used for toilets, urinals and power washers.

The MSU Pavilion also generates electricity using a solar photovoltaic system.

The new addition to the Life Sciences Building will use geothermal energy sources. Geothermal energy is generated from heat out of the earth’s core. The addition—the Bott Building for Nursing Education and Research—is scheduled to open in November.

burned each day from 20 tons to 30 tons.

The biofuel comes from collaboration with other university departments. Plant waste collected by Landscape Services throughout the year is ground down into wood chips that feed the burners. The Kellogg Biological Station and the Dept. of Crop and Soil Sciences research switch grass as a renewable source to determine its yield per acre and its energy output. Once a year, the power plant receives a crop. In January, 10 tons out of the 30 tons daily of renewable energy used was switch grass.



MSU's sustainability efforts include recycling, hybrid vehicles and the use of glass in concrete.

### Metering

Metering energy use on campus is another key piece for reducing use. The installation of more meters across campus helps energy engineers pinpoint trouble spots and provides more data to determine trends. During the design of new construction and renovation projects, areas are identified where steam meters can go and then real-time smart meters are installed.

### Better Buildings Challenge

Last year MSU became a partner in the Better Buildings Challenge (BBC), an initiative of the U.S. Dept. of Energy designed to promote the construction and retro-commissioning of more energy-efficient buildings in the United States. The BBC calls on chief executive officers, university presidents and state and local leaders to make a substantial commitment to energy efficiency, and recognizes the organizations they lead for achieving results.

Last December, President Simon was among a host of dignitaries who traveled to Washington, DC, to take part in the formal launching of the program. President Barack Obama, Former President Bill Clinton and U.S. Energy Secretary Steven Chu also took part in the festivities.

In April, MSU selected Anthony Hall as its showcase project in the BBC. A unique building profiling system identified Anthony as one of the top candidates where energy savings could be realized.

The plan to make the building more energy efficient is expected to be the blueprint that will be carried out on other campus buildings to increase energy efficiency.

For more about the BBC, visit <http://www4.eere.energy.gov/challenge/>.

### Hybrid vehicles

MSU currently has 69 hybrid vehicles in its fleet that cut fuel consumption by nearly 9,000


gallons annually. The motor pool fleet cut greenhouse gas emissions by 33 percent from 2008 to 2010 and average fuel economy rose 6 miles per gallon since 2006.

In addition, MSU has several electric car-charging stations on campus, including one in the parking ramp of the Kellogg Center.

### Concrete and glass

MSU researchers have found that by mixing ground waste

glass into the cement that is used to make concrete, the concrete is stronger, more durable and more resistant to water. Two on-campus sites—near the Surplus Store and Recycling Center and the Breslin Student Event Center—currently use the glass-cement mix.

The use of glass helps reduce the amount of glass that ends up in landfills and carbon dioxide emissions which are common due to the high temperatures needed to create cement. 

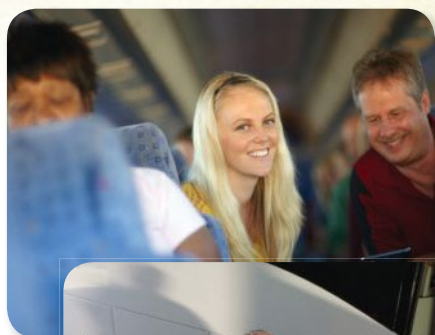
*Tom Oswald is a communications manager in MSU Communications and Brand Strategy, who works closely with the MSU Office of Campus Sustainability.*

### More information



To learn more about sustainability at MSU, visit:  
[energytransition.msu.edu](http://energytransition.msu.edu)  
[msu.edu/stories/renewable-future](http://msu.edu/stories/renewable-future)  
[bespartangreen.msu.edu](http://bespartangreen.msu.edu)  
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## CAN MSU FOOTBALL SUSTAIN SUCCESS IN 2012?

By Robert Bao

Mark Dantonio believes a strong foundation has been laid, but now wants to build on that success and continue reaching higher goals.

Last year MSU won 11 games for the second straight year, the Legends division championship and a memorable New Year's Day bowl game.

But Head Coach Mark Dantonio is not ready to rest on his laurels. He is intent on continuing to build and improve on that foundation.

"We have to guard against complacency," Dantonio says. "We want to build for a championship and continue to develop confidence. All of us, we need to earn our jerseys. Whether you are a coach here or some part of our staff, whether you are a trainer, a manager, a quarterback or a tailback, every day that you go out there you have to earn what you get, earn that jersey that you get

and make a big deal about it."

The Spartans are in good shape to do so in 2012, as they return eight starters on a defense that ranked high in most statistical categories. On offense, MSU needs to fill a few more holes and find new players at quarterback, wide receiver, fullback and tight end. In special teams, MSU needs to find a holder to replace Brad Sonntag, who proved invaluable in the bowl win.

Perhaps the most notable hole to fill on defense is the departure of All-America Junior Tackle Jerel Worthy, who left early for the NFL draft. Senior Defensive End Tyler Hoover, injured for most of last season, is slotted to plug the hole with his massive 6-7, 295 frame. Anthony Rashad



*Running back Le'Veon Bell (left) and defensive end Will Gholston (top, next page) had standout performances in MSU's win against Georgia in the Outback Bowl.*

White, at 6-2, 320, did an outstanding job at nose tackle in the Outback Bowl replacing an injured Kevin Pickelman. Other defensive linemen include Brandon Clemons, Damon Knox, Micajah Reynolds and Vanderbilt transfer James Kittredge.

Dantonio believes that moving Hoover to the three technique is not a stretch.

"He's big," says Dantonio. "He has great ability. He has experience. Of course he can always go

outside and play d-end, but I think he is one of our best 11, no question. This (moving him to DT) gives him an opportunity, it puts more speed on the field. He knows the defense. So he should be very, very capable."

Will Gholston and Marcus Rush will bookend the defensive line, along with several up-and-comers adding depth. Redshirt-freshmen Shilique Calhoun is said to be as quick off the edge as veteran pro Julian Peterson, while Joel Heath reminds Dantonio of a younger Gholston.

"We have a good defensive front," says Dantonio. "I think Damon Knox is going to be a tremendous player. I look at guys



Photos courtesy of MSU Athletic Communications



*MSU will unveil three new high definition video scoreboards and a video wall, including a 135 x 65 "monster video board" in the south endzone that is bigger than a basketball court.*

like Heath, tremendous upside. James Kittredge is a guy that will be very exciting for some people to watch, as is Brandon Clemons. We go four-deep at defensive tackle right now and I think they can be quality players for us."

MSU also needs to replace Safety Trenton Robinson, who became the third straight MSU defensive back to be drafted by an NFL team in the past three years. Several underclass players like R.J. Williamson and Kurtis Drummond will vie for that role to join Johnny Adams, Darqueze Dennard and Isaiah Lewis in the backfield. A true freshman could also step up and earn playing time, given the high regard for MSU's incoming quartet of Demetrious Cox, Jermaine Edmondson, Mark Meyers and Ezra Robinson.

MSU linebackers return with more numbers, as many newcomers will reinforce MSU's lineup with starters Max Bullough, Denicos Allen and Chris Norman. Redshirt freshman

Lawrence "L.T." Thomas, a high school All American, has recovered from an upper body injury. A number of other prospects, including Taiwan Jones, who played last year, and Darien Harris, will be in the mix.

"Taiwan will be an outstanding player here for us and I think he will compete for playing time," says Dantonio. "He has as much snap and explosiveness as any linebacker out there but he has to learn to play fast out there and not second-guess himself."

On offense Junior Quarterback Andrew Maxwell was slightly injured in the spring, and so Connor Cook, a redshirt freshman, was able to get plenty of work. "Maxwell is a seasoned guy and he should be very good," says Dantonio. MSU coaches also look forward to the arrival of Freshman Quarterback Tyler O'Connor, whose performance in an all-star game received accolades.

Le'Veon Bell returns as the running back, having rushed for

1,553 yards and 21 touchdowns in 27 career games. Also returning are Larry Caper and Nick Hill, both experienced backs.

Niko Palazeti has big shoes to fill at fullback after the departure of Todd Anderson, a fierce blocker.

Upfront, MSU will be led by returning starters Fou Fonoti, Dan France, Travis Jackson and Chris McDonald. Skylar Burkland will be back from an injury. Others in the mix include Jack Allen, Donovan Clark, Henry Conway, Mike Dennis, John Deyo, Ethan Ruhland and Blake Treadwell. Dion Sims returns at tight end, along with Paul Lang, walk-on Andrew Gleichert and Denzel Drone, who was a defensive end last season. A freshman tight end might find himself in the mix as well.

MSU's biggest question mark on offense might be at wide receiver, with the departures of Team MVP B.J. Cunningham, MSU's all-time leader in receptions (218) and receiving yards (3,086), Keshawn Martin and Keith Nichol. The good news is that many talented receivers are competing to play, including Andre Sims, James Kittredge, Jeremy Langford, Tony Lippett and Keith Mumphery. Bennie Fowler, who played in some games, will return from injury this fall. MSU coaches hope that Tennessee transfer DeAnthony Arnett gains immediate eligibility.

MSU returns its special team specialists, including kickers Dan

Conroy and Kevin Muma, Punter Mike Sadler and Long-Snapper Matt Gianpapa. Hill comes back as a kickoff returner.

"One of the reasons we've been successful the last two seasons is continuity," says Dantonio, who notes that in the past six years only two assistant coaches have left—both for head coaching jobs. "Our defensive coaches have been together for nine years. We are always critiquing, tweaking, and trying to learn—and that's from the head coach on down."

MSU assistants include coordinators Dan Roushar and Pat Narduzzi, and assistants Harlon Barnett, Ted Gill, Brad Salem, Terrence Samuels, Mark Staten, Mike Tressel and Dave Warner.

The 2012 football season will feature new high definition video scoreboards and a very exciting schedule that includes two prime-time television appearances—Boise State (Aug. 31) and Notre Dame (Sept. 15). "You would be hard-pressed to find a more challenging home schedule than the one we'll face this fall," says Dantonio. "Six of the seven home games will be played against bowl teams from last season." MSU's seven-game home schedule includes Big Ten games against Ohio State (Sept. 29), Iowa (Oct. 13/Homecoming), Nebraska (Nov. 3) and Northwestern (Nov. 17).





**MAGIC'S DODGERS**—Hall of Fame Basketball Star Earvin “Magic” Johnson is part of a group that bought the Los Angeles Dodgers for a reported \$2 billion. The group is headed by Mark Walter, CEO of Guggenheim Partners. “I am thrilled to be part of the historic Dodger franchise and intend to build on the fantastic foundation laid by (former owner) Frank McCourt as we drive the Dodgers back to the front page of the sports section in our wonderful community of Los Angeles,” says Johnson. Magic led MSU to the 1979 NCAA championship, then won five NBA championships and three MVP awards in 13 seasons with the Los Angeles Lakers. He retired in 1991 after being diagnosed with the HIV virus and has become an activist in the fight against HIV. He has built a business empire, with investments in movie theaters, a cable television channel, a production company and restaurants. A major philanthropist, Johnson recently donated \$1 million to MSU.



Lucy Nicholson/Reuters

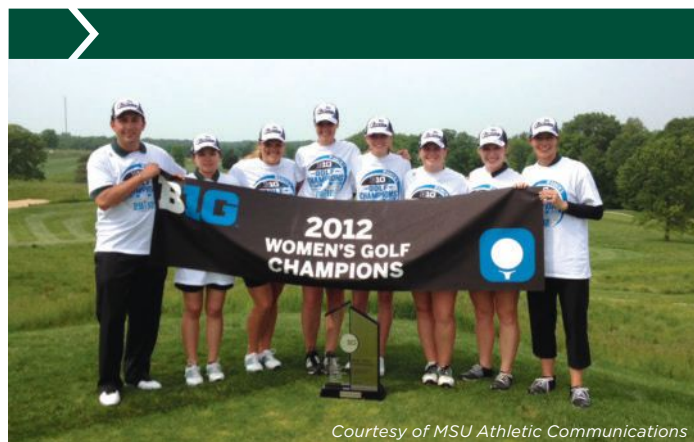
*New Los Angeles Dodgers owner Earvin “Magic” Johnson and his wife Cookie posed for photos after a news conference announcing the new ownership of the baseball team at Dodger Stadium on May 2.*

**BIG TEN TOURNAMENT CHAMPS**—MSU won the 2012 Big Ten Tournament Championship in Indianapolis, IN, beating No. 7 Ohio State 68-64 for its first tourney title since 2000. Senior Draymond Green (middle), National (National Association of Basketball Coaches) and Big Ten Player of the Year, said the title helped him establish a footprint in history. “Coach always talked to us about leaving a footprint



in the sand,” says Green. “He always said Mateen Cleaves, he left a footprint, Magic Johnson—they left a footprint. And me and Austin (Thornton) always say, when we leave here, we want him to talk about the Green-Thornton era.” MSU received a No. 1 seed in the NCAA tournament in the West Regional and made it to the Sweet Sixteen before losing to Louisville 57-44. Tom

Izzo (right) was named National (NABC) and Big Ten Coach of the Year.



Courtesy of MSU Athletic Communications

**W-GOLFERS REPEAT AS CHAMPS**—The No. 23 MSU women’s golf team won its second straight Big Ten Championship—10th in program history—with a 10-stroke margin in April at the Donald Ross Course, French Lick Resort, IN. Overall, MSU shot a 21-over 885 (298-292-295) in claiming back-to-back Big Ten titles for the first time since winning five in a row from 1974-78. “I’m just so proud of our team to repeat as Big Ten Champions,” says MSU Head Coach Stacy Slobodnik-Stoll, who won her fourth Big Ten title (2001, 2007, 2011, 2012). Slobodnik-Stoll was named Big Ten Coach of the Year. Senior Lindsey Solberg and junior Carolyn Powers each finished tied for third at 218. They both earned Big Ten All-Championship honors. Sophomore Allyssa Ferrell tied for 14th while sophomore Liz Nagel tied for 18th. Sophomore Christine Meier tied for 36th overall with a 235.



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# MSU ALUMNI ASSOCIAT



## JULY 2012

### July 8-14

Best of the Canadian  
Rockies Spartan  
Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### July 11-22

Baltic Treasures  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### July 20-28: Iceland

The Land of Fire and Ice  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)



## AUGUST 2012

### August 8-20

The Blue Danube  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### August 9-16

Cruising Alaska's  
Glaciers and Inside  
Passage  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### August 22-30

Scotland - Alumni  
Campus Abroad  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### August 25 -

### September 8

Odyssey to Oxford  
[alumni.msu.edu/  
eveningCollege/  
odysseyToOxford.cfm](http://alumni.msu.edu/eveningCollege/odysseyToOxford.cfm)

### August 29 -

### September 7

Normandy and Paris -  
Alumni Campus Abroad  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### August 31

Boise State at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)



## SEPTEMBER 2012

### September 1-7

Tuscany Culinary  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### September 8

MSU at Central  
Michigan  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### September 10-21

The Best of Tanzania  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### September 15

Notre Dame at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### September 22

Eastern Michigan  
at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### September 29

Ohio State at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)



# ION EVENT CALENDAR

## OCTOBER 2012

### October 8-13

Homecoming Week –  
Remember to  
Glow Green  
[homecoming.msu.edu](http://homecoming.msu.edu)

### October 12

Homecoming Parade,  
6 p.m.  
[alumni.msu.edu/  
programs/homecoming/](http://alumni.msu.edu/programs/homecoming/)

### October 13

Homecoming Green &  
White Brunch  
[alumni.msu.edu/  
programs/homecoming/](http://alumni.msu.edu/programs/homecoming/)

Iowa at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### October 20

MSU at Michigan  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### October 22 - November 1

Treasures of Peru  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### October 27

MSU at Wisconsin  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

## WINTER 2012 - 2013

### November 3

Nebraska at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### November 17

Northwestern at MSU  
Football Tailgate  
[alumni.msu.edu](http://alumni.msu.edu)

### December 4-11

Holidays in Bavaria  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### January 16-28, 2013

Tahitian Jewels Cruise  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### February 3-25, 2013

Around the World by  
Private Jet  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)

### February 22- March 4, 2013

Mayan Mystique Cruise  
Spartan Pathways Tour  
[alumni.msu.edu/travel](http://alumni.msu.edu/travel)







# ALMA MATTERS

## REGIONAL CLUBS

### BLUEGRASS SPARTANS

—Mar. 4: About 20 area Spartans and Ohio State Buckeyes gathered at the Friends Bar & Grill, Lexington, KY, to watch the MSU-OSU basketball game.



**CENTRAL INDIANA**—Jan. 20: About 30 area Spartans traveled to Hamilton South Eastern High School, Fishers, to watch incoming MSU basketball recruit Gary Harris (No. 40) play. ▲

**CENTRAL OHIO**—Jan. 21: More than 50 area Spartans and Purdue Boilermakers gathered for a game watch and collected 147 pounds of food for a local food bank. Jan. 5: About two dozen area Spartans attended a concert by the Spartan Dischords at the McConnell Arts Center, Worthington. Jan. 2: Area Spartans gathered at Gallo's Tap Room, Columbus, to watch the Outback Bowl.

**CHICAGO, IL**—Apr. 14: About 50 area Spartans attended the Detroit Tigers vs. Chicago White Sox game at U.S. Cellular Field.

**DETROIT SPARTANS**—Jan. 19: About 30 area Spartans

attended a private wine tasting at the Commune Lounge, Royal Oak. ▼

*Courtesy of David Brown*



**FORT FT. WAYNE, IN**—Feb. 18: Area Spartans attended a Komets hockey game at the Fort Wayne Coliseum. ▼



**HOUSTON, TX**—Mar. 3: ▲ More than 50 area Spartans gathered at the Sam Houston Race Park. The event, organized by club board member Mike Steindler, raised about \$300 for the club scholarship fund.



fund. Special guests included Suzy Merchant, women's basketball head coach, and Scott Westerman, MSUAA executive director.



**LIVINGSTON COUNTY** ▲ —Sep. 23: More than 100 area Spartans gathered at Oak Pointe Country Club, Brighton, to raise money for the club's scholarship

**MAINE**—Feb. 12: A dozen area Spartans attended a post-game gathering with former MSU hoopster Drew Neitzel (middle of photo). A member of the NBA D-League Texas Legends, Neitzel played against the Portland Red Claws at the Portland Exposition Building. ▲



**KANSAS CITY**—Feb. 20 & 29: Area Spartans cooked for kids at the Ronald McDonald House. Jan. 14: About 28 area Spartans saw the play "Beer for Breakfast" at the American Heartland Theatre at Crown Center. ▲



**METRO CHICAGO**—Feb. 25: More than 300 area Spartans attended SpartyBall at the River East Arts Center. The event raised funds for the club's endowed scholarship fund. Special guests included MSUAA Executive Director Scott Westerman, former MSU athletes Mateen Cleaves and Robaire Smith, MSUAA Distinguished Young Alumni Aaron Scheides and Sparty. The club honored Roger and Mary Anne Herring. ▼



were among those attending a send-off party at the Field House for Paula Wheeler, who is moving to Florida. ▼



**MID-MICHIGAN**—Mar. 3: James Potchen, MD (seated), ▲ was awarded the club's "Spartan Hero" award at the Crystal Ball, held at the Lansing Country Club. More than 75 area Spartans attended the event, which raised approximately \$15,000 for the club's endowed scholarship fund. A special video message was provided by Scott Westerman, MSUAA executive director.

**PHILADELPHIA, PA**—Apr. 14: (l to r) Club President Lisa Christensen, Secretary Paula Hancock, Legal Counsel Lindsay Willett and Philanthropy & Social Chair Teresa Pokladowski



**ROCKY MOUNTAIN, CO**—Feb. 2: About 200 area Spartans attended "A Green and White Evening in Denver" at the Brown Palace. The event featured Jinhua Zhao, director of MSU's Environmental Science and Policy Program and MSU President Lou Anna K. Simon—seen in photo with club board members Steve Haynes and Jodie Thomas.

**SEATTLE, WA**—Jan. 5: Nearly 40 area Spartans attended a reception featuring Karen Wurst, MSU dean of the College

of Arts and Letters, and Angelika Kraemer, outreach and co-curricular coordinator in MSU's Center for Language Teaching Advancement, at the Seattle Art Museum.

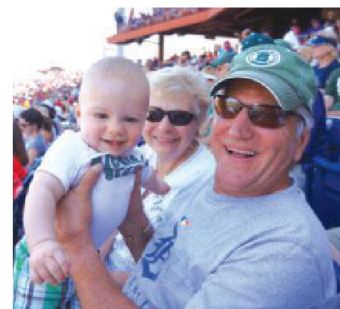


**SOUTH DAKOTA**—Jan. 2: About a dozen area Spartans gathered at Tinner's Bar and Grill, Sioux Falls, to watch the Outback Bowl. ▲

**SW FLORIDA**—Mar. 17: Area alumni participated in the Naples St. Patrick's Day Parade. Sparty joined the fun and drew loud cheers from the crowd of 50,000 watching the two mile parade. Mar. 9: More than 75 area Spartans attended a tailgate ▼



in Port Charlotte, FL, with MSU Baseball Coach Jake Boss, Jr. (No. 23), prior to watching the MSU baseball team play in the Snowbird Classic at the North Charlotte Regional Park. Feb. 13: About 120 area Spartans participated in the Spartan Pride Golf Outing at the Grey Oaks Country Club, Naples. Special guests included MSU President Lou Anna K. Simon, Athletics Director Mark Hollis and Football Coach Mark Dantonio. ▼



**TAMPA BAY, FL**—Mar. 11: About 30 area Spartans attended a tailgate and Tigers spring training game (vs. Phillies) in Clearwater, FL. Feb. 11: Chris and Gina Logan were among the area Spartans attending an event hosted by MSU President Lou Anna K. Simon and University Advancement Vice





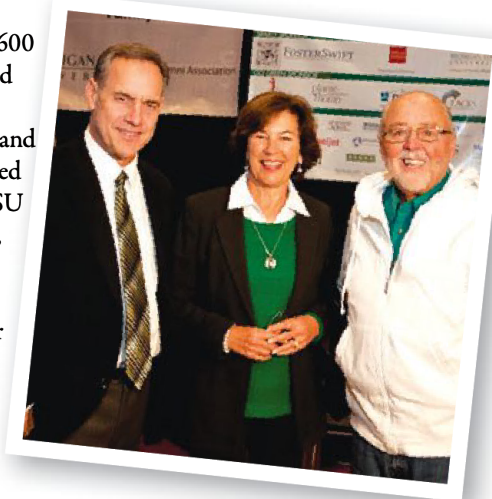


Courtesy of Jim Nelson



President Bob Groves at the Salvador Dali Museum in St. Petersburg, FL. ▲

**WEST MICHIGAN**—Feb. 2: Football Coach Mark Dantonio (left) and Amb. Peter and Joan Secchia were among the featured guests at the club's Winter Tailgate. More than 600 area Spartans attended the event at the J. W. Marriott Hotel in Grand Rapids. Other featured speakers included MSU Trustee Mitch Lyons, Athletics Director Mark Hollis and former football player T.J. Duckett. ►



## CONSTITUENT ASSOCIATIONS

**ENGINEERING**—Mar. 12: Dean Satish Udpa (left) and Rick and Nancy Brown gathered at the Bonita Bay Club, Bonita Springs, FL. Udpa met with alumni and donors at other Florida events in Maitland and Sarasota. ►



**MUSIC**—Jan. 20: About 40 MSU students, alumni and faculty were among the presenters at the Michigan Music Conference in the Amway Grand Plaza Hotel, Grand Rapids. Among the speakers at the alumni gathering was David Rayl, associate dean of the College of Music.

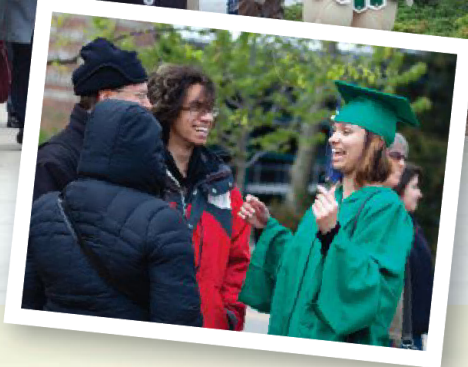
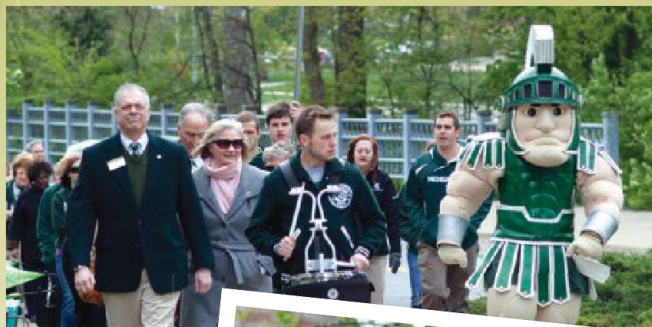
## INTERNATIONAL CLUBS

**BEIJING, CHINA**—Apr. 13: MSU alumni were well represented among some 170 who attended the first Big Ten Alumni Mixer at the Brussels Bar and Grill in Beijing, China. The event was spearheaded by a team led by Dan Redford, '10 (right), seen here with (from left) Lawrence Yu, Bill Winzer, Regea Long, Dave Gross, Piotr Pasik and Kate Bellingar. ▼



## ALUMNI INTEREST GROUPS

**ALUMNI BAND**—Dec. 28: The MSU Alumni Pep Band ▲ provided musical entertainment at the 3rd Izzone Alumni Reunion, helping the Spartans beat Indiana in the Big Ten opener. During this season, the Alumni Band set a new participation level—playing in men's basketball wins over Bowling Green, UMKC and Lehigh; at the Great Lakes Invitational tournament for ice hockey; and in the women's basketball win over Michigan.



**MSU RING MARCH & CEREMONY**—Apr. 22: Sponsored by the MSU Alumni Association, the Ring March and Ceremony made its debut on campus as class rings were presented. Students and their families picked up the rings and marched from The Spartan statue to Beaumont Tower in a procession led by Spartan Marching Band members, President Lou Anna K. Simon, MSUAA Executive Director Scott Westerman and Professor Carl Liedholm. In this new tradition, students received their rings from an "honorary guest" of their choosing. Beaumont Tower sounded one time for each recipient and then played the MSU Fight Song and MSU Shadows.





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**KALEIDOSCOPE 2012**—Apr. 13: Some 750 guests attended this year's Kaleidoscope which featured keynote speaker Carter Oosterhouse (middle), TV personality and model, and opening speaker Elliot Engel, author and professor. The day was hosted by WLNS TV 6 News Anchorwoman Sheri Jones. In the photo are (l to r) MSUAA Executive Director Scott Westerman, Cheryl Denison, Jennifer Decker, Regina Cross, Maria Giggy, Sue Petrisin, Oosterhouse, Theresa Sattazahn, Colleen Westerman, Shannon Marsh, Bonnie Knutson, Cynthia Schneider and Bob Ulrich.

**MPLP**—Feb. 23: Ari Fleischer (left), White House press secretary for President George W. Bush, and Eugene Robinson (right), Pulitzer Prize winning journalist for the Washington Post, were the featured speakers at the fundraiser for MSU's Michigan Political Leadership Program in Livonia (and at the J. W. Marriott in Grand Rapids on Feb. 24). In the middle is event moderator Carol Cain. ▼



Leavenworth Photographics Inc.

**FBI AWARD**—Mar. 16: Robert S. Mueller, III (left), director of the Federal Bureau of Investigation, presented the 2011 Community Leadership Award to Edward Deeb, '60, chairman and founder of the Michigan Food

& Beverage Assn. and the Michigan Business & Professional Assn. The award was presented at a special reception in Washington, DC, in recognition of Deeb's community leadership. A resident of Bloomfield Township, Deeb organized the annual Metro Detroit Youth Day event that draws 35,000 to Belle Isle.



**STUDENT EMPLOYEE OF THE YEAR**—Senior Ilcyia Shaw (middle), who works for MSU Greenline, was named Midwest Student Employee of the Year. In the photo she appears with her MSU supervisor Frank Tramble and with Judy Brown, president, MidWest Association of Student Employment Administrators (MASEA). Ilcyia won the award over candidates from more than 100 colleges from 14 states.



## SPARTY IN TRAVERSE CITY

—Apr. 21-22: During a visit to the Grand Traverse area, Sparty stopped at two elementary schools (Traverse City & Suttons Bay) to promote literacy; appeared at a scholarship fundraiser with Capital Green and the MSU Accafellas, and hung out in downtown Traverse City. ▼







## COOK RECITAL HALL WILL RESOUND WITH **MUSIC**

*Concert goes to the MSU College of Music will soon be able to experience top-of-the-line twenty-first-century amenities and acoustics.*

The college's decades old Music Auditorium will undergo a technological renewal to become Cook Recital Hall, bearing the name of lead donors Dee and Byron Cook. In addition, Fairchild Theatre in MSU's Auditorium Building will be upgraded to become a prime venue for music performances.

These are exciting plans for MSU's music program, which has seen a spurt of student growth since 1997. Elevated from a

school to a college five years ago, it has emerged as a national leader for graduate student placement in tenure track academic positions and can also point to alumni performing in major music venues the world over. The college now hosts more than 300 performances a year.

Upgrading the performance spaces helps maintain this momentum, notes Dean James Forger, who credits the generosity of donors in *The Campaign for MSU* who helped create the music facilities fund. Joining Dee and Byron Cook as significant contributors were President Lou Anna K. and Dr. Roy J. Simon, Catherine Her-

rick Cobb, Jack and Dottie Withrow, Selma and Stanley Hollander, Dr. Milton E. Muelder, Merritt and Candy Lutz, John and Audrey Leslie, Tom Cobb, and Glenn and Marlene Gardner.

"We are tremendously grateful for the vision of our donors and are thrilled that the recital hall will be named for Dee and Byron Cook," says Forger. "Their passion for music, MSU and excellence will enrich others' lives for generations."

On any given day, the current auditorium is booked solid from 7 a.m. to midnight, serving the myriad roles needed in a music school from classroom to practice

facility, audition area, recording studio and concert hall.

"I'm excited for the performance opportunities these renovations will make possible," says Ann Marie Theis, a junior majoring in vocal performance. "With the improved acoustics, Cook Recital Hall will also be a great place for students to make recordings for competitions and grad school auditions."

Although designed in the 1940s, the music auditorium does have its charms—including historic architectural detail and an intimate proximity between audience and performers. Both will be retained in the renovation. Gone will be the

*Renovated performance facilities will anchor the MSU College of Music's position in the cultural life of MSU. Cook Recital Hall, named for lead donors Dee and Byron Cook, and a revamped Fairchild Theatre will provide go-to spaces for thousands of individuals captivated by MSU's music performances each year.*



occasional vroom of an accelerating motorcycle on Circle Drive.

Under Dean Forger's leadership, a team of architects and acousticians were brought in to evaluate the Music Auditorium. Notably, the sound experts found that the size and contours of the auditorium were perfectly suited to an audience of 180, a far cry from the 360 it currently packs in. It was clear from the beginning that moving this project forward would require a concurrent improvement to Fairchild Theatre to make it the college's go-to venue for larger audiences.

By the next academic year, the Music Auditorium will have undergone a complete metamorphosis. Audiences will be enveloped by the acoustical treatments as well as warm wood finishes, new seating, state-of-the-art audio/visual capabilities, updated lighting, and greatly enhanced environmental controls that include air conditioning—all in all, a first rate listening experience.

By fall of 2013, a similar transformation will take place with the 600-seat Fairchild Theatre. Originally intended as a multi-purpose events facility, Fairchild will become uniquely suited for music performance—a welcome new home for the choral music program. A greatly improved pit orchestra area will allow for rehearsals and performances of opera and large-scale choral works.

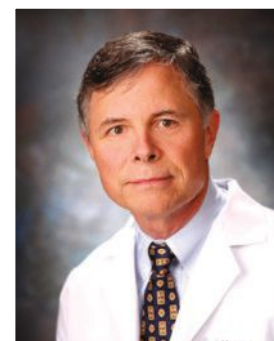
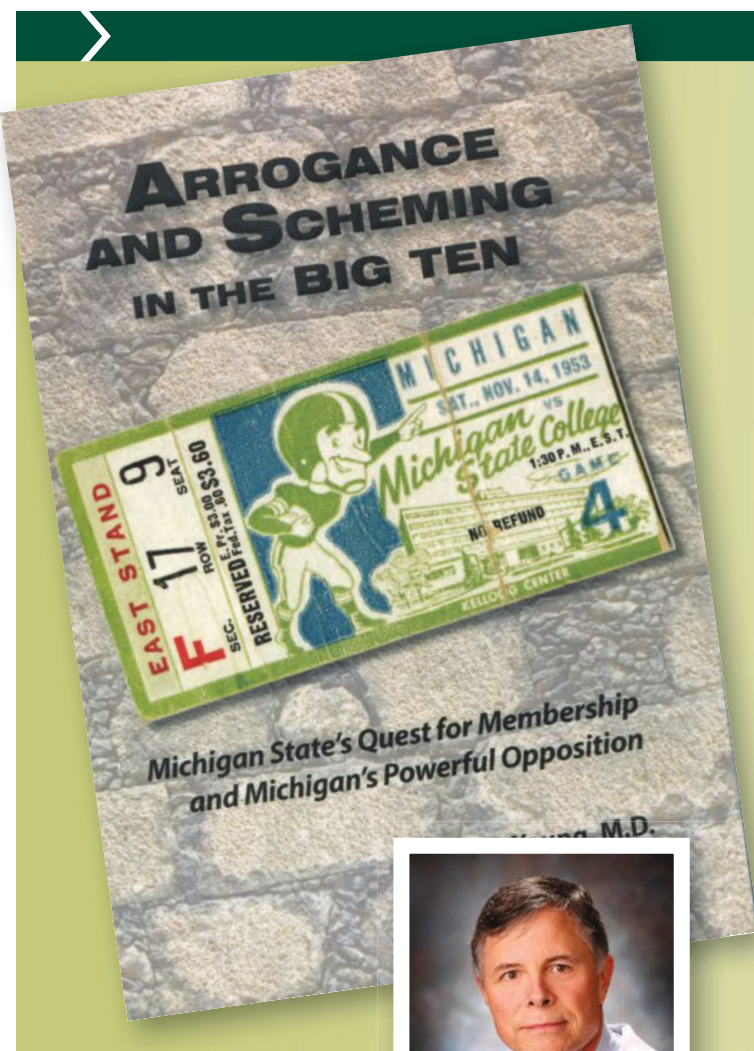
The Cooks well knew the needs of the Music Auditorium and the vocal music program. As an MSU student, Dee sang in Big Bands. Byron played trombone in the Spartan Marching Band. She went on to perform on radio and TV. He went on to law school at the University of Michigan before pursuing a career in the oil and gas exploration and production industry. Together they became longtime, loyal patrons of the College of Music—the kind that never miss certain annual concerts and have made continuous contributions through service, advocacy and sponsorships. Both are founding members of the college's National Leadership Council. Dee, who also served for 16 years on the MSU Board of Trustees, felt MSU's music facilities were the place where their shared love of music and MSU could make an impact. Byron agreed.

"We are overwhelmed and thrilled to be a part of the growth of this wonderful program," he says. Dee adds, "Through their extraordinary performances, the students and faculty of the College of Music provide a window to the quality of the whole university. Neither Byron nor I ever dreamed as students that we would have the opportunity to be as connected to MSU as this recital hall makes us." 🍷



### TAKE YOUR SEAT!

You can name a seat in the future Cook Recital Hall! Have your name engraved on a brass plate permanently affixed to the seat's armrest. All 180 seats may be named with a gift of \$1,000. For more information, contact Rebecca Surian at (517) 353-9872.



### REVISITING AN INTRIGUING CHAPTER OF MSU HISTORY

By Robert Bao, Editor

On May 20, 1949, MSU officially became a member of the Big Ten Conference—then popularly known as the Western Conference. It was clearly a transformative event for MSU, but few know the details of this history—until now.

A new book based on extensive research of more than a dozen archives sheds light on all the pitfalls MSU faced during the process—a long, treacherous journey that President John Hannah navigated with great adroitness in the face of opposition from key representatives of the University of Michigan.

The general story was summed up by David A. Thomas in *Michigan State College: John Hannah and the Creation of a World*





University,  
1926-1969  
(MSU  
Press, 2008).  
Thomas  
explains that  
Hannah ran  
an end-run  
around the  
athletic directors  
and faculty repre-  
sentatives who had  
run the conference

and appealed directly to Big Ten university presidents, who were just beginning to assert power over athletics. Most notably James Lewis Morrill, president of the University of Minnesota, emerged as MSU's key ally.

A very detailed account of the admission process, complete with all the stumbling blocks, schemes and counter-schemes, is documented in a new book, dramatically titled *Arrogance and Scheming in the Big Ten: Michigan State's Quest for Membership and Michigan's Powerful Opposition* (DJY Publishing, LLC, 2011). The book is written by David J. Young, MD, a doctor from Holland, Michigan, and is available at [Amazon.com](https://www.amazon.com) or [www.msu-umbig10.com](http://www.msu-umbig10.com).

Young grew up in East Lansing as a Spartan fan but is an alumnus of the University of Notre Dame, which coincidentally played a role favorable to MSU's quest. The Rev. John Cavanaugh, who became Notre Dame president in 1946, was a native of Owosso who developed a friendship with Hannah (as did Cavanaugh's successor, The Rev. Theodore Hesburgh). MSU's return to Notre Dame's schedule in 1948, after a lapse of 27 years, solidified its credibility as a football program. The two presidents reached a contract agreement during

a "spaghetti and meatballs" lunch in 1946 in the home of Michigan Gov. Harry Kelly, Hannah's friend and coincidentally an influential Notre Dame alumnus.

Today, of course, MSU and the University of Michigan cooperate along many fronts and have an amiable relationship outside of athletic competition. But in the postwar years, when Michigan played a leadership role in the conference and MSU was a university on the make, some leaders of each institution tended to view each other with suspicion. Michigan Athletics Director Fritz Crisler and Faculty Representative Ralph Aigler—who ironically once had John Hannah as a student—were among several Big Ten representatives who opposed MSU's entry (at least initially). But Hannah anticipated such opposition, parried each thrust with a counter-thrust, and doggedly stayed the course through five rejections until he succeeded in his ultimate quest.

By the way, Young does not limit his book to Michigan. As he puts it, "Notre Dame, Michigan, Pittsburgh, Ohio State, Minnesota, Chicago, Illinois, Purdue, Wisconsin, Northwestern and Iowa would all play some role in either aiding or hindering (Hannah's) dream."

I recommend this book to everyone with some interest in MSU history and also in the history of the Big Ten conference. Most alumni know the gist of this particular chapter, but Young details, for the first time, many of the Machiavellian maneuverings, lies and intrigue that went on at the time.

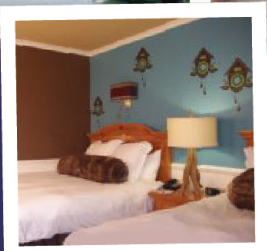
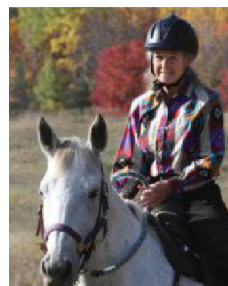
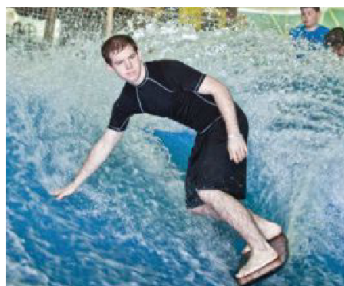
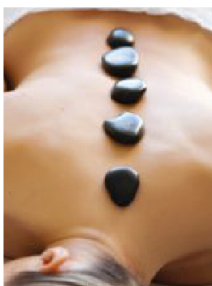
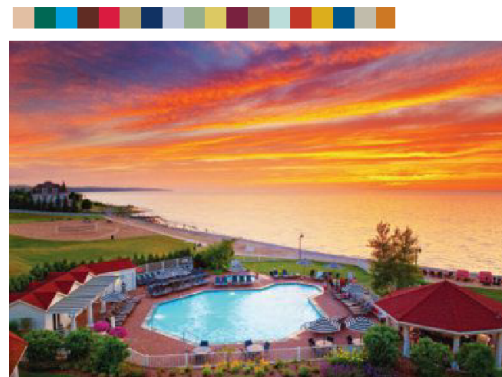
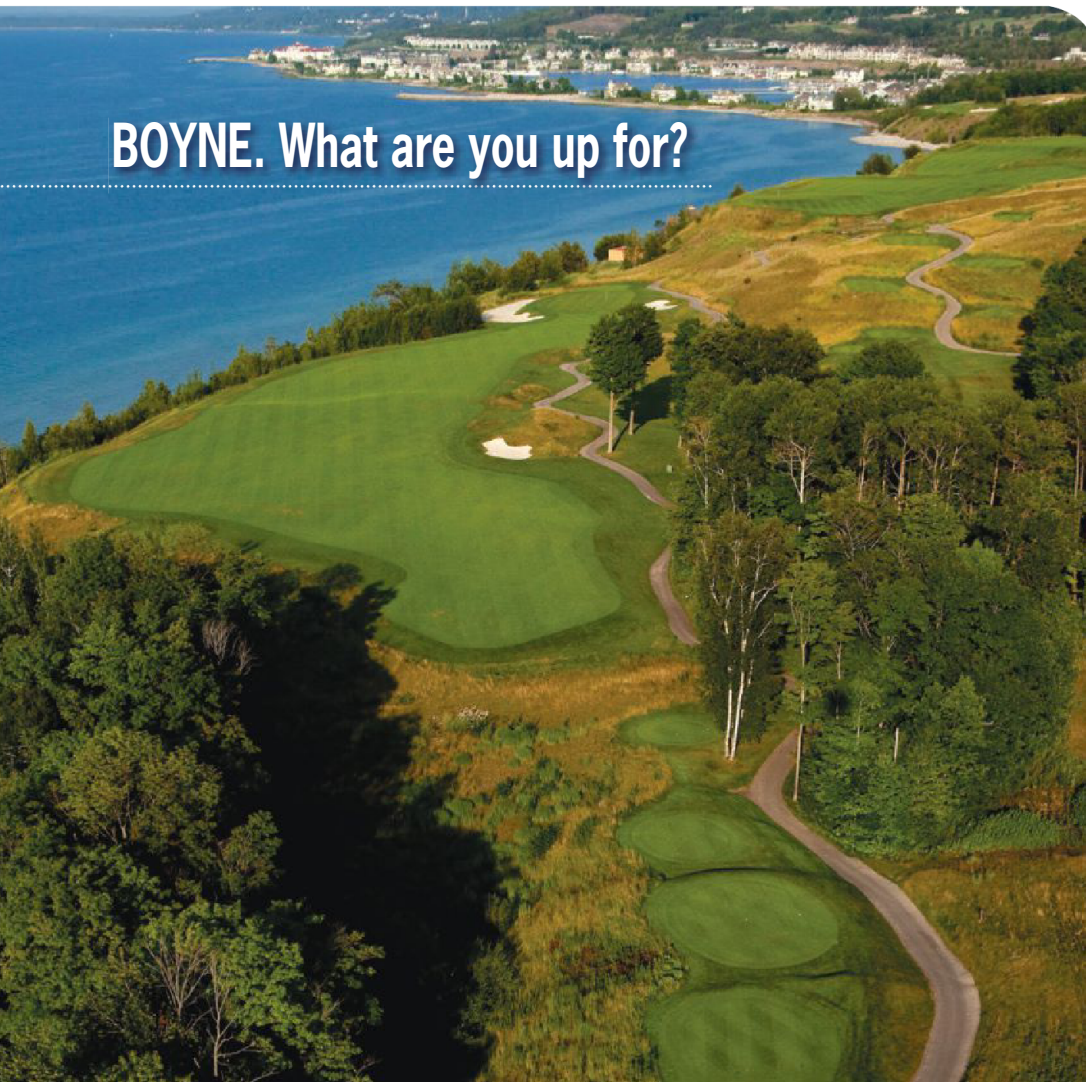
Early in the book, Young explains that he was motivated to write this story after a backyard encounter in the 1980s with his neighbor Jack Breslin, then MSU's executive vice president. Young, then a teenager, was utterly bored by Breslin's passionate accounts of this history.

Three decades later, the seeds planted by Breslin in Young's mind grew enough for him to spend countless hours in over a dozen archives, poring over shelved letters and documents, meticulously piecing together the story that he once did not want to hear. 📖

P.S. In February the University of Michigan named Anne Curzan, associate professor of English, linguistics and education, as the university's faculty athletics representative to the Big Ten Conference and the National Collegiate Athletic Association. That's the position once occupied by Aigler, John Hannah's nemesis during MSU's quest for admission. In another turn of irony, Curzan is John Hannah's granddaughter.



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## Tailgating on the Banks of the Red Cedar

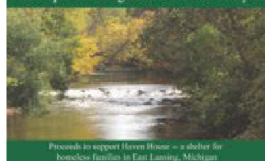
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If you have not already purchased it, **Volume One** is also available on our website and in local business establishments.

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## 2012/2013 SEASON (NEW) PLAYS IN NEW WAYS

Anton Chekhov's **Three Sisters** ...in rep with:

Jane Martin's **Anton in Show Business** SEPT. 18 - 30, 2012

Roald Dahl's **James and the Giant Peach** OCT. 12 - 21, 2012

4th Annual **Haunted Aud** OCT. 26 - 28, 2012

William Shakespeare's **Measure for Measure** NOV. 9 - 18, 2012

6th Annual **Freshman Showcase** NOV. 30 - DEC 2, 2012

Mark Colson's **U.P.** (World Premiere) FEB. 5 - 10, 2013

Ann Folino White's **The Lady Victory** (World Premiere) FEB. 21 - 27, 2013

TBD **Global Diversity Play** (World Premiere) MAR. 19 - 24, 2013

Lennart, Styne and Merrill's **Funny Girl** APR. 19 - 28, 2013



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## STATE'S STARS

**Karen Morris**, '84, senior vice president of Human Resources



for Meijer, Inc., Grand Rapids, has been named among the 25 influential black women

in business in 2012 by *The Network Journal*. Prior to Meijer, Karen was vice president of Human Resources for Tyco International, Boca Raton, FL; vice president of Human Resources for Starwood Hotel and Resorts, White Plains, NY; and spent 15 years with General Mills, Minneapolis, MN, in various HR positions. Morris was inducted into the Wall of Fame at MSU's School of Criminal Justice in 2011.

**Joseph Burke**, '78, has been appointed by Gov. Snyder



to the 15th District Court in Washtenaw County. Burke began his career as an assistant

prosecuting attorney for the county before going into private practice as a partner at Burke and Rennell, PC in 1986. Six years later, he returned to Washtenaw County where he served as chief assistant prosecuting attorney and remained in this position until his recent promotion.

**Jennifer Zybtowski**

**Belveal**, '92, partner in the



litigation department of Honigman Miller Schwartz and Cohn LLP, Detroit, has been

elected to the Board of Trustees for Detroit Public Television. She is a member of the Pro Bono Initiative of the Committee on Justice Initiatives for the State

Bar of Michigan and serves on the Executive Committee of the Oakland County Bar Association Inn of Court. She serves on the American Bar Association's Woman Advocate Committee, the Women Lawyers Alliance and Inforum. In addition, she serves on the boards of the Canton Community Foundation and the Giving Hope Women's Giving Circle.

**Joseph DeVito**, '92, has been named chairman of the



corporate practice group for Howard & Howard Attorneys PLCC, Detroit.

He began his career in the corporate securities department of Dinsmore, Cincinnati, OH. DeVito went on to become partner and member of the strategic planning committee at Butzel Long and was an assistant general counsel at ThyssenKrupp, both in Detroit. Prior to his current position at Howard and Howard, he also served as the firm's CFO and treasurer.

**Midori Yamanouchi**, '58, professor of sociology and



criminal justice at the University of Scranton, PA, has been selected as Professor of the Year by

Universal Who's Who. She is the past editor of *Sociological Viewpoints* and is the managing editor of the *Comparative Citizens Review*. She has been a delegate at the United Nations, representing the International Organization for Unification of Terminological Neologisms. She has been an advisor/interpreter at negotiation

sessions in New York, London and Tokyo for multinational corporations. She is an MSUAA life member.

**Brian O'Connor**, '91, director of public relations for Cunard



Line, Los Angeles, CA, has been named vice president of North American sales for Princess

Cruises and Cunard Line. He began his career in 1991 at Hilton Hotels Corporation, Beverly Hills, CA. He went on to serve as the public relations director for the Beverley Hilton. O'Connor joined the Cunard Line in 2006 as the director of public relations overseeing the line's public relations strategies, programs and policies and media management for special events. He is an MSUAA life member.

**Barbara Wells**, '95, professor of sociology at Maryville



College, TN, has been named vice president and dean of Maryville College. A

professor of sociology, Wells also served as the chair of Maryville's social sciences division. She has written and co-written many publications specializing in social sciences. Wells has conducted much research on Latino families, and has published a variety of academic articles on the subject and received numerous grants and fellowships for continued study.

**Marie Vanerian**, '76, senior vice president at Merrill Lynch, was recognized on the *Barron Magazine's* "America's Top 1,000 Advisors: State-by-

State" list. Throughout her career, Marie has worked with 401(k)/403(b) plans, public and private pension plans, foundations, endowments, religious organizations and private family offices to provide institutional consulting and advisory services. Marie has been an active member of the Michigan Association of Public Employee Retirement Systems for over 20 years.

**Michael Hekker**, '06, has been named product sales



manager for the Aerospace Aftermarket group at The Timken Company,

Canton, OH. Hekker most recently worked for Pratt & Whitney Component Solutions as the manager of aftermarket sales. He has over 15 years experience in aviation maintenance, sales and management, including five years as a crew chief in the U.S. Navy. His experience includes managing a sales team, driving continuous improvement and developing sales personnel.

**Nelson Blish**, '70, senior counsel at Eastman Kodak



Company in Rochester, NY, was recognized as a Kodak Distinguished Inventor for

reaching a milestone of 20 U.S. patents. Prior to Kodak, Blish was a patent counsel at Philip Morris Research Labs, Richmond, VA, and at Cooper Industries, Houston, TX. He authored two novels, *Ishmael's Son*, and *The Taking of the King*. Both publications are being adapted for screenplays. Blish is an MSUAA life member.



**J. Patrick Lennon**, '90, a partner in Honigman Miller Schwartz and Cohn LLP's Kalamazoo Real Estate Dept., has been elected chair of the Urban Land Institute-Michigan (ULI), Western Region. He was also appointed to the ULI-Michigan Executive Committee, which is comprised of leaders in the real estate profession throughout the state. Lennon has been recognized in *Best Lawyers in America* and in *Chambers USA: America's Leading Lawyers for Business* as an "Up and Coming" attorney.

**Sherrie Farrell**, '97, has been named managing member of Dykema Gossett PLLC, Detroit. Prior to joining Dykema, Farrell worked as a journalist and public relations practitioner. She served as a national coordinating counsel and as a national discovery counsel for a Fortune 25 manufacturer in asbestos and other toxic tort litigation, and as counsel for a national retailer in consumer collection and credit matters. In addition, Farrell serves as chair of Dykema's diversity committee. In 2011, she received the Robert Millender Visionary Award from the MSU College of Law's Black Law Students Association.

**Michael Heberling**, PhD '91, president of Baker College's Center for Graduate Studies, Flint, has been named vice president of the Council of College and Military Educators

(CCME). Previously he was a senior policy and business analyst at Ateon Corporation in Dayton, OH. He retired as a lieutenant colonel after 21 years of service in the U.S. Air Force, having logged 1,500 hours of flying time with the B-52H Strato Fortress Bomber. His last assignment was with the Air Force Institute of Technology at Wright Patterson Air Force Base where he served on the faculty as a program director and department head.

**Rachel Touroo**, '03, staff veterinarian for animal care at the Virginia Dept. of Agriculture and Consumer Services, Richmond, has been named the senior director of the Veterinary Forensics Dept. at the American Society for the Prevention of Cruelty to Animals, Gainesville, FL. In 2011, Touroo began her career in animal welfare as a research assistant at the animal behavior welfare group at MSU and also worked as an associate veterinarian in Bethesda, MD.

**John Thomas**, '78, retired senior vice president of Booz Allen Hamilton, Detroit, has been named president of the board of directors for the International Council on Systems Engineering. Prior to spending 20 years with Booz Allen, Thomas served as a technician and then officer with the U.S. Air Force, retiring from the U.S. Air Force Reserves in 1998. He was also an engineer at the National Reconnaissance Office and engineer/program manager at E-Systems Corporation. In

addition, Thomas is a sought-after spokesperson to both professional, lay groups and media for systems engineering.

**D.C. Coston**, '76, North Dakota State University's vice president for agriculture and university extension, has been named president of Dickinson State University, Dickinson, ND. He was previously associate director and chief operating officer of Oklahoma State University's Agricultural Experiment Station, Stillwater, and was the interim associate director of the Oklahoma Cooperative Extension Service. Coston also served as a faculty member and administrator at Clemson University, SC, and was a faculty member and extension specialist at Virginia Tech, Blacksburg.

**Megan Muter**, '00, has been hired as marketing manager at BauerLatoza Studio, Chicago. She serves on the board of directors for the Chicago Chapter of the Society of Marketing Professional Services. She is a judge for the National Marketing Communication Awards and a consultant on the Certified Professional Services Marketer accreditation exam. Muter also sits on the planning committee for Chicago CANstruction, a charity committed to ending hunger through the Greater Chicago Food Depository.

**Heather Lorenzo**, '93, interim vice president of medical affairs at Meritus Health,



Hagerstown, MD, has been promoted to chief medical officer. She has also

served as the company's chief medical information officer and physician advisor to Care Management. She completed her residency in internal medicine at the Wright-Patterson Air Force Base, OH, and became the associate program director for Internal Medicine Residency at the David Grant Medical Center at Travis AFB, CA. She has worked at numerous Maryland hospitals including Shady Grove Adventist, Inpatient Specialist and Montgomery General.

**Dorene Allen**, '81, Midland County probate and family court judge, has been named chairwoman of the Michigan Committee on Juvenile

Justice by Gov. Snyder. Allen has served on the Michigan Permanency Forum and was the treasurer and secretary for the Judicial Conference, State Bar of Michigan Committee. She has held numerous positions within the Michigan Probate Association. In 2011, she was awarded the Women In Law Award by *Lawyers Weekly*.



### State's Stars Submissions:

*MSU Alumni Magazine*  
Michigan State University  
Spartan Way  
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East Lansing, MI 48824  
or [baor@msu.edu](mailto:baor@msu.edu)

*All entries are subject to editorial review.*

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- ◆ Notre Dame – September 15 (night game)
- ◆ Eastern Michigan – September 22
- ◆ Ohio State – September 29
- ◆ Iowa – October 13 (Homecoming)
- ◆ At Michigan – October 20
- ◆ At Wisconsin – October 27
- ◆ Nebraska – November 3
- ◆ Northwestern – November 17



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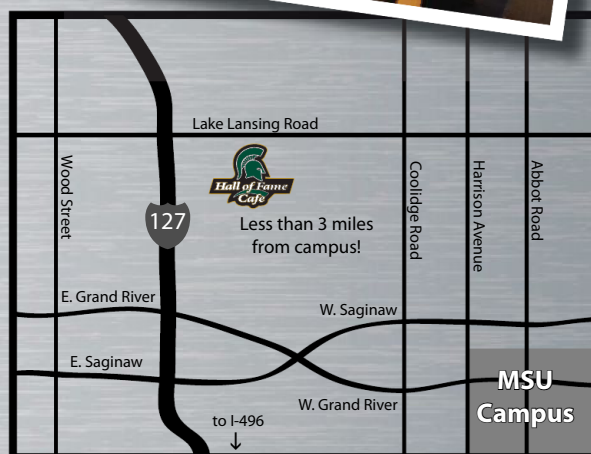
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## OBITUARIES

### '30s

**Huldah L. (Scott) Henderson**, '32, of Royal Oak, Aug. 15, age 100.  
**William B. Nivison**, '32, of Raleigh, NC, May 31, age 100.  
**Wendell A. Smith**, '33, of Wyoming, May 8, age 100.  
**Allan L. Ramsay**, '35, of Macomb, May 17, age 100.  
**Dorothy L. (Langdon) Yates**, '36, of Midland, Dec. 12, age 97.  
**Luther Dawson**, '37, of Fenton.  
**Donald C. O'Hara**, '37, of Kerrville, TX, Feb. 13, age 96.  
**Dorothy T. (Taylor) Graff**, '38, of Frankenmuth, Apr. 5, age 96.  
**Kenneth R. Hampel**, '38, of Whitehall, Mar. 26, age 97.  
**Doryce E. (Rominski) Hinman**, '39, of Okemos, Dec. 28, age 93.

### '40s

**George D. Bottoms**, '40, of Belmont, NY, Aug. 14, age 93.  
**Hylon J. Heaton**, '40, of Linwood, Apr. 5.  
**Eleanor J. Howard-Janssen**, '40, of Nunica.  
**Jack W. Leggat**, '40, of Warren, Jul. 18, age 93.  
**Warren N. Milks**, '40, of Miami, FL, Jun. 22, age 95.  
**Janet L. Tift**, '40, of Kalamazoo, Mar. 18, age 92.  
**Thor G. Bank**, '41, of Saint Paul, MN, Apr. 20, age 94.  
**Louis H. Bucci**, '41, of Schenectady, NY, Feb. 25.  
**Richard F. Crew**, '41, of Carlsbad, NM, Feb. 17, age 93.  
**Floyd E. Eads**, '41, of Scottsdale, AZ, Feb. 6, age 93.  
**Willard F. Lyons**, '41, of Grandville, Sep. 22.  
**Bruce V. Wilson**, '41, of Traverse City, Oct. 22, age 93.  
**Edwin P. Brown**, '42, of Traverse City, Mar. 9, age 98.  
**Ralph C. Driskell**, '42, of Wilmer, AL, Mar. 22, age 93.  
**Lois M. Franklin**, '42, of Jackson, Feb. 3, age 92.  
**William J. Garvey**, '42, of Charlotte, Jan. 25, age 90.  
**Roland V. Humerickhouse**, '42, of Au Gres, Oct. 31, age 93.  
**Marjorie J. Lesher Hunt**, '42, of Selah, WA, Mar. 30, age 90.  
**Ruth M. Meyer**, '42, of East China, Feb. 4, age 91.  
**John F. Reynolds**, '42, of Sun City, AZ, Mar. 8, age 90.  
**Jorma O. Sarto**, '42, of Mackinaw City, Feb. 5, age 95.  
**Catherine M. (Jackson) Stancel**, '42, of Naperville, IL, Feb. 27, age 92.  
**Shirley (Knowlton) Althen**, '43, of Stevensville, MT, Mar. 11, age 91.  
**Ervin V. Blume**, '43, of Fort Wayne, IN, Feb. 12, age 91.  
**Julia C. (Byrnes) Early**, '43, of Roslindale, MA, Feb. 8, age 91.  
**Donald W. Fleischmann**, '43, of Bloomfield Hills, Jan. 28, age 92.  
**Ida C. Klotz**, '43, of Indianapolis, IN, Feb. 16, age 90.  
**Patricia J. (Taylor) MacLake**, '43, of Albuquerque, NM, Mar. 29, age 91.  
**Eleanore (VanSickle) McGrain**, '43, of Rockledge, FL, Feb. 17, age 90.  
**F. Donald Mollhagen**, '43, of Kalamazoo, Oct. 20, age 90.  
**Robert J. Rowe**, '43, of Miami, FL, Sep. 22, age 90.  
**Roger L. Saur**, '43, of Los Lunas, NM, Apr. 10, age 89.  
**Helen D. (Morgan) Wheaton**, '43, of Lansing, Dec. 3, age 90.  
**Corinne B. (Burns) Zobel**, '43, of Denver, CO, Apr. 15, age 90.  
**Marjorie J. (Egge) Bagley**, '45, of New Baltimore, Feb. 28, age 89.  
**Howard E. DeWolf**, '45, of Seneca, SC, May 21, age 89.  
**Jack V. Dunham**, '45, of Ft. George G. Meade, MD, Mar. 20, age 88.  
**Anne L. (Eldridge-Strickland) Longman**, '45, of Santa Cruz, CA, Mar. 27.  
**Harry N. Barnes**, '46, of Davenport, IA, Feb. 19, age 90.

**Marilyn J. (Abrens) Schultz**, '46, of Traverse City, Oct. 19, age 87.  
**Robert L. Appel**, '47, of Rockville, MD, Mar. 19, age 86.  
**Doris A. (Rock) Edwards**, '47, of Suttons Bay, Feb. 1, age 86.  
**Mario S. Fortino**, '47, of Lansing, Jan. 13, age 87.  
**Reno J. Offringa**, '47, of Spring Lake, Nov. 7, age 88.  
**Ruth C. (VanEtten) Osgood**, '47, of Chicago, IL, Mar. 22, age 87.  
**Elizabeth Schmidt**, '47, of Naperville, IL.  
**Betty J. (Strattard) Sickelsteel**, '47, of Troy, Apr. 2, age 86.  
**Donald M. Walling**, '47, of Fort Wayne, IN, Mar. 29.  
**Martha M. (Christianity) Zuiderveld**, '47, of Grand Rapids, Mar. 4, age 86.  
**Arlene M. (Lindgren) Arends**, '48, of Simpsonville, SC, Apr. 18, age 86.  
**Donald J. Beckwith**, '48, of Midland, Jan. 30, age 90.  
**Lynette R. (Ralya) Brown**, '48, of Bloomfield, Apr. 22, age 85.  
**Patricia M. (Brady) Convery**, '48, of Naples, FL.  
**Richard D. Ernst**, '48, of Vero Beach, FL, Jan. 17, age 89.  
**Joan (Wood) Larzelere**, '48, of Flint, Apr. 6, age 86.  
**Robert B. Milam**, '48, of Rochester, MN.  
**Clark L. Reid**, '48, of Novi, Feb. 3, age 87.  
**Margaret E. (Schrot) Barnes**, '49, of Franklin, Apr. 23.  
**Minor A. Bower**, '49, of Detroit, Apr. 9, age 86.  
**James N. Carlisle**, '49, of Peoria, IL, Feb. 1.  
**William J. Chedister**, '49, of Lansing, Oct. 1.  
**Robert C. Chesbro**, '49, of East Lansing, Jan. 25, age 93.  
**Jack S. Dunlap**, '49, of Sparks, NV, Sep. 25, age 95.  
**James Dykstra**, '49, of Port Huron, Apr. 10, age 86.

**Harold M. Evans**, '49, of St. Petersburg, FL, Mar. 11.  
**Robert L. Gomon**, '49, of Detroit.  
**James M. Grost**, '49, of Traverse City, Dec. 18, age 84.  
**Allen D. Hellman**, '49, of San Marcos, TX, Dec. 27, age 90.  
**Beverly A. (Siggins) Kenney**, '49, of Stuart, FL, Apr. 19.  
**Delmer R. Smith**, '49, of Lansing.  
**Gordon L. Squires**, '49, of Marshall, Feb. 29, age 86.  
**Clarence J. Thede**, '49, of Howell.  
**Francis J. Vilminot**, '49, of Port Charlotte, FL.

### '50s

**Robert Babcock**, '50, of Port Huron, Jan. 23, age 86.  
**Francis E. Bowerman**, '50, of Traverse City, Apr. 6, age 87.  
**Robert J. Brown**, '50, of Petoskey, Dec. 12, age 88.  
**Richard R. Chmielewicz**, '50, of Lansing, Mar. 28, age 83.  
**Bert M. Deaner**, '50, of Benton Harbor, Mar. 8, age 84.  
**Gerald A. Derks**, '50, of N. Muskegon, Apr. 3, age 85.  
**Lyle F. Frank**, '50, of Port Huron, Mar. 7, age 89.  
**James W. Graeff**, '50, of San Bernardino, CA, Jan. 10, age 84.  
**Charles A. Hoag**, '50, of Jefferson, TX, Apr. 18, age 85.  
**Harold N. Kallis**, '50, of Grand Blanc, Apr. 9, age 84.  
**Francis D. Knipling**, '50, of Ingram, TX, Oct. 13, age 95.  
**Tunis J. Lyon**, '50, of Willis, TX, Apr. 17, age 88.  
**Charles S. Packard**, '50, of Waterford, Mar. 20, age 83.  
**Paul L. Peterson**, '50, of Muskegon, Jan. 26, age 84.  
**Pauline P. (Baughan) Reynolds**, '50, of Owosso, Jan. 26, age 87.  
**George L. Robbins**, '50, of Rogers City, Jan. 30, age 86.  
**Raymond J. Serier**, '50, of Saginaw, Sep. 13, age 90.



*Richard N. Smith*, '50, of Irving, TX, Apr. 10.  
*Ming Y. Wang*, '50, of Santa Paula, CA.  
*Fuad L. Abboud*, '51, of Wayland, MA, Feb. 4, age 91.  
*B. L. Allen*, '51, of Lubbock, TX, Mar. 24, age 89.  
*Eldon W. Armer*, '51, of Sun City, AZ, Mar. 18, age 84.  
*Edgar P. Burger*, '51, of Redford, Dec. 26, age 86.  
*Roger R. Carrington*, '51, of Roseville, Feb. 11, age 85.  
*Lee B. Crampton*, '51, of Pittsburg, CA, Dec. 14, age 84.  
*Charles P. Depp*, '51, of Milan, Feb. 22.  
*Arthur R. Goepf*, '51, of Gaylord, Feb. 28.  
*Edward T. Hacker*, '51, of Lansing.  
*Russell G. Hanson*, '51, of Jackson, Feb. 13, age 85.  
*Bert M. Hensick*, '51, of Howell, Mar. 4, age 86.  
*Shirley L. Knox*, '51, of St. Petersburg, FL, Feb. 12, age 86.  
*Donald L. Kramer*, '51, of Houghton Lake, Mar. 24.  
*Robert B. Munson*, '51, of Lansing, Feb. 7, age 82.  
*Jeanne D. (Booker) Pulos*, '51, of Spring Lake, Feb. 4, age 82.  
*David R. Pushaw*, '51, of Grand Haven, Oct. 12, age 85.  
*Frank L. Sudac*, '51, of DeWitt, Apr. 16, age 85.  
*Albert Tobin*, '51, of Westland.  
*Dan Trieff*, '51, of Indianapolis, IN, Apr. 14.  
*Frank E. Warden*, '51, of East Lansing, Feb. 6, age 82.  
*Jeanne G. (Nesbitt) Wise*, '51, of Leland, Nov. 14, age 81.  
*Rosa L. (Willis) Alford*, '52, of Winston-Salem, NC, Nov. 20, age 99.  
*Emerson R. Bunn*, '52, of Troy, Dec. 10, age 81.  
*Alan D. Childs*, '52, of Ocean Ridge, FL, Nov. 15, age 81.  
*Gary K. Cooper*, '52, of Cheboygan, Feb. 15, age 81.

*Catherine A. (Sargalski) Ferro*, '52, of San Gabriel, CA, Feb. 15, age 85.  
*Betty J. (Swindell) Lowry*, '52, of South Windsor, CT, Jun. 20, age 82.  
*William R. McNary*, '52, of Southfield, Feb. 21, age 84.  
*Alan F. Preuss*, '52, of Brookfield, WI, Feb. 23, age 82.  
*Junius A. Bowman*, '53, of Phoenix, AZ, Feb. 26, age 87.  
*Roberta K. Brickey*, '53, of Coldwater, Oct. 6, age 80.  
*Helen I. (Smith) Davis-Townsend*, '53, of Chelsea, Jan. 15, age 101.  
*Ray J. DeFrancesco*, '53, of Warren, Feb. 8, age 87.  
*Herbert B. Garner*, '53, of Many, LA.  
*Elaine F. (Schemanske) Harris*, '53, of Farmington, Feb. 6, age 81.  
*William Kaiser*, '53, of Oceanside, CA, Dec. 26, age 93.  
*Barbara P. (Post) Marentette*, '53, of Ft Lauderdale, FL, Nov. 12, age 80.  
*James S. Myers*, '53, of Crystal Lake, IL.  
*Roger C. Owen*, '53, of Bluffton, SC, Oct. 9, age 83.  
*Dolores G. (Anschuetz) Proven*, '53, of Grosse Pointe Woods, Dec. 13, age 80.  
*Larry L. Rice*, '53, of Six Lakes, Feb. 27, age 81.  
*Willard C. Richards*, '53, of Grand Rapids, Jan. 24, age 84.  
*Ruth E. Schmitter*, '53, of Naubinway, Feb. 11, age 93.  
*Walter W. Treichler*, '53, of Syracuse, NY, Feb. 17, age 88.  
*James L. Buchanan*, '54, of Grand Rapids, Feb. 11, age 79.  
*Eugene A. Dubs*, '54, of Libertyville, IL, Apr. 12, age 80.  
*Susan S. (Steil) Garske*, '54, of Sanibel, FL, Sep. 9, age 79.  
*Ann (Stanley) Leonard*, '54, of Lansing, Apr. 17, age 79.  
*Roger P. Martin*, '54, of New York, NY, Mar. 1, age 81.  
*Gerald R. Massa*, '54, of Okemos, Dec. 17, age 80.

*Richard D. Morrison*, '54, of Normal, AL, Jul. 30, age 103.  
*William L. Robinson*, '54, of Marquette, Mar. 8, age 78.  
*Robert T. Speight*, '54, of Ridgefield, CT, Mar. 4, age 80.  
*Ruth B. (Buckingham) Arbaugh*, '55, of Saint Clair Shores, Nov. 19, age 79.  
*Bruce E. BeVier*, '55, of Lansing, Feb. 11, age 83.  
*Barbara J. (Lang) Clark*, '55, of Jonesville, Mar. 27, age 78.  
*William H. Cromell*, '55, of Grand Rapids, MN, Apr. 14, age 88.  
*Carol P. Edwards*, '55, of San Antonio, TX, Mar. 8, age 78.  
*Jay E. Folkert*, '55, of Holland, Aug. 9, age 95.  
*Thomas L. Gochnaur*, '55, of Columbia, SC.  
*Mary M. (Quinn) Hardell*, '55, of Worcester, MA, Mar. 10, age 79.  
*James E. Neal*, '55, of Savannah, GA, Apr. 2, age 79.  
*Ralph B. Nelson*, '55, of Bowling Green, OH, Jan. 29.  
*David L. Pfaff*, '55, of West Long Branch, NJ, Aug. 15, age 82.  
*James R. Terpeney*, '55, of Savage, MN, Jan. 21.  
*James M. Thomson*, '55, of Barney, GA, Feb. 24, age 85.  
*Ralph E. White*, '55, of Knoxville, TN, Mar. 8, age 83.  
*Joseph H. Badaczewski*, '56, of Jerome, PA, Apr. 3, age 76.  
*John H. Bushnell*, '56, of Boulder, CO, Jan. 14, age 87.  
*Ruth M. (Pierce) Gruenberg*, '56, of Rotonda West, FL, Mar. 27, age 77.  
*Caroline E. (Kimber) Hamilton*, '56, of Bloomfield Hills.  
*Robert W. Johnson*, '56, of Grand Rapids, May 23, age 76.  
*John T. Knox*, '56, of Livonia.  
*Jacquelin A. Oldham*, '56, of Detroit, Mar. 7, age 77.  
*David H. Page*, '56, of Strongsville, OH, Jun. 1, age 77.  
*Donald J. Scott*, '56, of Charlotte, Jan. 17, age 85.

*Richard K. Shaw*, '56, of Cement City, Apr. 19.  
*Ronald R. Turner*, '56, of Lansing, Jan. 8, age 79.  
*Nathan A. Willits*, '56, of Smithville, MO, Sep. 21, age 88.  
*Mary V. (Nellis) Youmans*, '56, of Gahanna, OH, Mar. 18, age 77.  
*Louis E. Atkins*, '57, of Detroit, Nov. 16, age 83.  
*James A. Diamonduros*, '57, of Charlotte, NC, Apr. 17, age 87.  
*Marleigh A. (Brooks) Ells*, '57, of Fort Collins, CO, Jun. 20, age 76.  
*Herbert H. Escott*, '57, of Essexville, Jan. 19, age 81.  
*Vanis J. (Deeter) Irick*, '57, of Fort Monroe, VA, Mar. 18, age 86.  
*Lee E. Jerome*, '57, of Columbus, OH, Mar. 8, age 81.  
*Gary W. King*, '57, of Battle Creek, Feb. 25, age 82.  
*Carl F. Lund*, '57, of Muskegon, Apr. 15, age 85.  
*Robert J. Novotny*, '57, of Louisville, KY, Mar. 27, age 82.  
*George E. Snyder*, '57, of Bloomfield Hills, Apr. 1, age 78.  
*William N. Walling*, '57, of Tallahassee, FL.  
*David H. Bergman*, '58, of Saint Joseph, Feb. 16, age 78.  
*Harold H. Bush*, '58, of Estes Park, CO, Oct. 11, age 74.  
*Donald B. Circle*, '58, of Scottsdale, AZ, Feb. 5, age 77.  
*Lynwood J. Counseller*, '58, of Lansing, Mar. 20, age 75.  
*Yvonne M. (Simcox) Hosang*, '58, of Salinas, CA, Aug. 20, age 75.  
*Joseph A. Knebl*, '58, of Niceville, FL, Nov. 3.  
*Gordon R. Smale*, '58, of Rancho Mirage, CA, Feb. 2, age 80.  
*Dale B. Taulbee*, '58, of Buffalo, NY, Feb. 15, age 76.  
*Carroll J. Wolff*, '58, of Vermontville, Feb. 22, age 81.  
*Gerald J. Carnago*, '59, of Troy, Dec. 22, age 80.  
*Joan M. LaRou*, '59, of Southfield, Feb. 10, age 74.

*William F. McCallum*, '59, of Pine Bluff, AR, Feb. 2, age 74.  
*Howard A. Oldford*, '59, of Plymouth, Feb. 27, age 75.  
*Donald A. Shepard*, '59, of Danville, IL, Apr. 20, age 74.  
*Gilbert M. Thurston*, '59, of Beaverton, Jan. 7.  
*Charles W. Travis*, '59, of Minneapolis, MN.

## '60s

*Helen B. (Heminger) Burns*, '60, of Pleasant Lake, Apr. 16, age 93.  
*William M. Gurd*, '60, of Jenison, Aug. 1, age 77.  
*Philip A. Horning*, '60, of Tavares, FL, May 21, age 78.  
*Ben W. McComb*, '60, of DeWitt, Jan. 6, age 83.  
*Porter R. Steele*, '60, of Crown Point, IN.  
*Laurence Weisman*, '60, of San Rafael, CA, Feb. 13, age 80.  
*Margaret E. (Unterbrink) White*, '60, of Ovid.  
*Douglas J. Austin*, '61, of Gaines, Feb. 1, age 78.  
*Neil E. Beckwith*, '61, of South Bend, IN, Mar. 9, age 74.  
*William J. DiGiulio*, '61, of Waterford, Feb. 13, age 73.  
*Helmy H. El-Sherif*, '61, of Poughkeepsie, NY, Mar. 10, age 74.  
*Bethanne M. (Frey) Jomantas*, '61, of Holland, Apr. 5, age 73.  
*Joanne K. (Smith) Kelly*, '61, of Waterford, Mar. 23, age 82.  
*Patricia J. Kitka*, '61, of Warren, Nov. 13, age 72.  
*Edward A. Schmidt*, '61, of Downers Grove, IL, Mar. 18, age 79.  
*Kathryn A. (Allston) Smith*, '61, of Harbor Springs, Mar. 26, age 72.  
*Alberta M. Diller*, '62, of Vicksburg, Oct. 6.  
*Ernest F. Doty*, '62, of Morris Plains, NJ.  
*Janell M. (Jaynes) Healy*, '62, of Clemmons, NC, Apr. 3, age 71.  
*E. Lou C. Hoos*, '62, of Grand Rapids, Jan. 31, age 72.  
*Daniel K. Kelley*, '62, of Saint James City, FL, Apr. 13, age 75.  
*Curtis W. Maki*, '62, of Okemos, Dec. 9, age 74.  
*Richard H. McFarlin*, '62, of Saint Johnsbury Center, VT, Oct. 7, age 75.  
*Henry C. Pratt*, '62, of Lansing, Jan. 9, age 75.  
*Elmer R. Race*, '62, of Peshtigo, WI, Jan. 19, age 98.  
*Larry A. Schinzel*, '62, of Arlington, TN, Feb. 1, age 71.  
*Robert S. Schwartz*, '62, of Bloomfield Hills.  
*Michael Yerigian*, '62, of Lincoln Park.  
*Nelson Dykema*, '63, of Zeeland, Feb. 10, age 86.  
*Richard P. Karch*, '63, of Champaign, IL, Feb. 23, age 84.  
*Henry McShan*, '63, of Stone Mountain, GA, Feb. 23, age 88.  
*Thomas C. Pyzyk*, '63, of Nashotah, WI, Mar. 5, age 72.  
*Francis T. Shupek*, '63, of San Bernardino, CA, Mar. 24, age 86.  
*Ralph Wahrman*, '63, of Bowling Green, OH, Sep. 30, age 71.  
*Graden W. Walter*, '63, of Wabash, IN, Mar. 13, age 73.  
*Gregory E. Brown*, '64, of Williamston, Mar. 19, age 70.  
*Alan S. Getz*, '64, of Townsend, MA, Mar. 30, age 69.  
*James E. Ireton*, '64, of Grosse Pointe, Mar. 3, age 85.  
*Albert L. Massey*, '64, of Erie, PA, Apr. 19, age 74.  
*Paul R. Miller*, '64, of Arlington, TX, Feb. 15, age 70.  
*Clayton B. Millington*, '64, of Yukon, OK, Feb. 1, age 84.  
*Van D. Mueller*, '64, of Minneapolis, MN, Mar. 8, age 82.  
*Charles F. Schwartz*, '64, of Flint.  
*Laverna H. Vanpelt*, '64, of Owosso, Jan. 30, age 100.  
*Margaret E. (Wolsey) Westbrook*, '64, of Chicago, IL, Jul. 22, age 68.

*Raymond L. Archer*, '65, of Tahlequah, OK, Jan. 23, age 85.  
*Clarence J. Kimm*, '65, of Manhattan, MT.  
*Serle I. Mosoff*, '65, of New York, NY.  
*Helen M. Reinhardt*, '65, of Saint Joseph, Feb. 19.  
*Edyth M. Sherck*, '65, of Lansing, Feb. 22, age 87.  
*Fred B. Wiegman*, '65, of Chicago, IL.  
*Michael Berke*, '66, of Bloomfield Hills, November 3, age 66.  
*Sandra L. Buckland-Look*, '66, of Litchfield, CT, Oct. 21, age 66.  
*James W. Edwards*, '66, of Hattiesburg, MS, May 13, age 73.  
*Patricia E. (Potrude) Evans*, '66, of Perry, Sep. 30, age 66.  
*Sara E. (James) Jack*, '66, of Jackson.  
*Andrew M. Kramer*, '66, of Potomac, MD, Nov. 21, age 67.  
*John P. McCaffrey*, '66, of Dublin, OH, Mar. 4, age 73.  
*Harry M. Newlon*, '66, of Chuckey, TN, Sep. 30, age 67.  
*Robert A. Paddock*, '66, of Ripon, WI, Sep. 10, age 68.  
*Barbara J. (Lundy) Parkinson*, '66, of Reston, VA, Feb. 7, age 67.  
*Donald M. Platte*, '66, of Erie, PA, Mar. 30, age 69.  
*Dianna L. Barcy*, '67, of Ypsilanti, May 6, age 65.  
*Donald P. Grobbel*, '67, of Essexville, Mar. 28, age 78.  
*Francis R. Holland*, '67, of Nashua, NH, Apr. 7, age 70.  
*Keith A. Jones*, '67, of Detroit, Sep. 2, age 67.  
*Walter T. Jurek*, '67, of Detroit, Jul. 29, age 75.  
*John S. Shenk*, '67, of University Park, PA, Sep. 15, age 76.  
*Margaret G. (Hillier) Veldhuis*, '67, of Dallas, GA.  
*Judith A. (Ridley) Ziegler*, '67, of Taft, CA, Mar. 3, age 68.  
*Frederick N. Beckwith*, '68, of Wolcott, CT, Apr. 16, age 65.  
*David R. Benham*, '68, of

Berkley, Dec. 9, age 66.  
*Sally I. Benner*, '68, of Saint Joseph.  
*Gerald M. Frendt*, '68, of Port Huron, Feb. 17, age 65.  
*Stuart B. Hardtke*, '68, of McFarland, WI, Feb. 7, age 70.  
*George M. Heidt*, '68, of Warren, Jan. 16, age 66.  
*Edith V. Hilsenbeck*, '68, of Zephyrhills, FL, Dec. 24, age 102.  
*Geoffrey Z. Kucera*, '68, of Honolulu, HI, Apr. 7, age 85.  
*Robert R. Mandy*, '68, of Bingham Farms, Dec. 23, age 89.  
*James J. Meeker*, '68, of Sparta, Dec. 19, age 66.  
*Donald P. Meyer*, '68, of Muskegon.  
*Philip C. Rymers*, '68, of Marietta, GA, Jul. 14, age 81.  
*Donald E. Anderson*, '69, of Maumee, OH, Jan. 4, age 84.  
*Allen R. Brenner*, '69, of Burlington, Ontario, Canada, Feb. 12, age 64.  
*Martin L. Greenberg*, '69, of Lake Forest, IL, Feb. 17, age 64.  
*Janice L. (Przybylo) Heilala*, '69, of Brighton, Feb. 27, age 65.  
*Billy D. McDonald*, '69, of Evansville, IN, Mar. 18, age 64.  
*Norton G. Miller*, '69, of Troy, NY, Dec. 7, age 69.  
*Sherman W. Nelson*, '69, of San Rafael, CA, Nov. 30, age 64.  
*Mary J. Nicola*, '69, of Traverse City, Oct. 16, age 92.  
*Alan D. Slack*, '69, of Waterville, ME, Dec. 12, age 64.  
*Janice E. (Karoglan) Williams*, '69, of Philadelphia, PA, Dec. 19, age 66.

## '70s

*Thomas R. Blackford*, '70, of Kentwood, Jan. 19, age 71.  
*Ruth E. (Sheldon) Brewer*, '70, of Northville, Nov. 6, age 63.  
*Irwin I. Chaitin*, '70, of San Anselmo, CA, Jan. 27, age 91.  
*Kathryn M. Gage*, '70, of Dublin, OH, Jan. 31, age 65.



*Joseph A. Gaston*, '70, of Charlotte, NC, Sep. 7, age 83.  
*Frank T. Howland*, '70, of Lancaster, MA, Aug. 23, age 63.  
*Ethan B. Janove*, '70, of The Villages, FL, Nov. 11, age 79.  
*Peter J. Ligor*, '70, of Quincy, MA, Apr. 16, age 81.  
*Steven G. Mayhall*, '70, of Stowe, VT, May 22, age 62.  
*Ann E. Radelet Schneidewind*, '70, of Lansing, Mar. 27, age 63.  
*Richard R. Saul*, '70, of Newport Beach, CA.  
*Rhea E. Stripe*, '70, of Kettering, OH, Nov. 2, age 63.  
*George E. Whitesel*, '70, of Littleton, CO, Jun. 18, age 74.  
*Dale L. Zimmer*, '70, of Troy, Jan. 29, age 63.  
*Martha B. Binford*, '71, of Washington, DC, Nov. 1, age 72.  
*John W. Delonas*, '71, of Hackettstown, NJ, Feb. 5, age 78.  
*Raymond V. Gill*, '71, of Grand Rapids, Oct. 30, age 85.  
*Helen R. Godfrey*, '71, of Waupaca, WI, Sep. 19, age 77.  
*Myrna L. (Sult) Hagedorn*, '71, of Woodland Park, CO, Mar. 27, age 62.  
*Ishmael M. Holley*, '71, of Columbia, SC, Mar. 24, age 71.  
*Joanne L. Benn*, '72, of University Park, PA, Feb. 13, age 61.  
*Bruce S. Fisher*, '72, of Philadelphia, PA, Jul. 11, age 60.  
*Kirk A. Griffiths*, '72, of Charlevoix, Feb. 25, age 61.  
*Seena H. Grossman*, '72, of Okemos, Jan. 3, age 86.  
*Jerome E. Guibord*, '72, of Newport Beach, CA, Jan. 25, age 61.  
*Allen A. Jaskolski*, '72, of Reddick, FL, Dec. 19, age 64.  
*Earl J. Motz*, '72, of Cuyahoga Falls, OH, May 17, age 72.  
*Michael J. Bulger*, '73, of Leroy, Mar. 17, age 62.  
*Donald A. Busarow*, '73, of Springfield, OH, Oct. 24, age 77.  
*Richard G. Dutton*, '73, of Brandon, MS, Aug. 1, age 60.

*Robert W. Easterly*, '73, of Troy, Apr. 3, age 61.  
*Charles F. Hoitash*, '73, of Ypsilanti, Feb. 12, age 85.  
*Jeanne C. VanOyen*, '73, of Vienna, VA, Sep. 4, age 59.  
*Cynthia M. Wilcox*, '73, of Battle Creek, Mar. 8, age 60.  
*Douglas E. Amy*, '74, of Roseville, Mar. 11, age 58.  
*Jonne E. Behnke*, '74, of Dowagiac, Feb. 27, age 59.  
*Ronald D. Boone*, '74, of Hillsdale, Feb. 2, age 71.  
*William R. Clements*, '74, of Redford.  
*Joseph P. Gruner*, '74, of Sterling, VA, Mar. 2, age 59.  
*Bernard M. Hileman*, '74, of Jenison, Feb. 1, age 64.  
*Paul S. Knecht*, '74, of Louisville, KY, Apr. 11, age 82.  
*William G. Marx*, '74, of West Bloomfield, Jan. 29, age 59.  
*Kenneth J. McCaleb*, '74, of Hebron, IN, Mar. 31, age 79.  
*Carolyn J. Riggins*, '74, of Ocala, FL, May 10, age 59.  
*Barry A. Chambers*, '75, of Parma, Oct. 8, age 61.  
*Douglas D. Hershey*, '75, of Portage, Apr. 19, age 64.  
*Sally R. Miller*, '75, of Saint Clair Shores, Feb. 21, age 58.  
*Patricia A. (Bradshaw) Schaberg*, '75, of Lexington, SC, Apr. 22, age 65.  
*Margaret A. (Nixon) Schafer*, '75, of Essexville, Apr. 13, age 58.  
*Thomas H. Andrew*, '76, of Grosse Pointe, Feb. 15, age 58.  
*Ann (Dellamora) Bristol*, '76, of Romeo, Feb. 22, age 58.  
*Janet M. (Magnuson) Fliss*, '76, of Lansing, Jan. 17, age 72.  
*Coralynn M. Lootens*, '76, of Mansfield, OH, Feb. 6, age 58.  
*Suzanne Smith*, '76, of Saint Joseph, Jan. 28, age 75.  
*James B. Nofs*, '77, of Battle Creek, Feb. 28, age 86.  
*Mark E. Snider*, '77, of Midland, Mar. 15, age 58.

*John G. Vokits*, '77, of Ravenna.  
*Kathleen S. Joyner*, '78, of New York, NY, Dec. 4, age 71.  
*William B. Marklevits*, '78, of Sault Ste. Marie, Mar. 10, age 55.  
*Dolores M. Skeltis*, '78, of Lansing, Feb. 9, age 54.  
*Michael S. Wentz*, '78, of Scottsdale, AZ, Jan. 17, age 56.  
*Michael J. Melkonian*, '79, of Montpelier, VT, Mar. 6, age 54.  
*Thomas J. Paulos*, '79, of Brunswick, GA, Apr. 5, age 55.  
*Richard E. Ransburg*, '79, of Encinitas, CA, Feb. 8, age 52.  
*Angelo F. Sablan*, '79, of Pembroke Pines, FL, Jul. 5, age 82.  
*Ted J. Van Noord*, '79, of Jamestown, Oct. 9, age 54.

## '80s

*Paul F. Capucille*, '80, of St. Petersburg, FL, Feb. 24, age 54.  
*Clyde E. Chesney*, '80, of Whites Creek, TN, Apr. 18, age 63.  
*Dale F. Austin*, '81, of Mt. Pleasant, Apr. 10, age 56.  
*Marion E. (Horton) BeVier*, '81, of West Bloomfield.  
*Ann M. Bridgeland*, '81, of Lansing, Apr. 16, age 75.  
*Carol E. Bristow*, '81, of Washington, DC, Mar. 5, age 52.  
*Norma J. Hamm*, '81, of Norwalk, CT, Mar. 7, age 85.  
*Edward P. Kelbel*, '81, of Harbor Springs, Mar. 28, age 52.  
*Stephen P. Wolf*, '81, of Grand Rapids, Apr. 27, age 54.  
*Theresa A. Zeman*, '81, of Grand Rapids, Apr. 22, age 52.  
*Michael G. Kaiser*, '82, of Richland, Feb. 6, age 51.  
*Charles C. Stoyka*, '82, of Saint Petersburg, FL, May 31, age 50.  
*Laurie C. (Sherman) Wallace*, '82, of Rochester, Apr. 2, age 52.  
*Craig A. Norfleet*, '83, of Taylor, Oct. 20, age 51.  
*Janene K. Oettel*, '83, of Utica, Mar. 24, age 51.

*Nancy B. Atman*, '84, of Holland, Feb. 13, age 49.  
*Robin J. Stock*, '84, of Owosso, Mar. 29, age 58.  
*Daniel W. Klauka*, '85, of Lansing, Apr. 11, age 50.  
*Betty J. Galloway*, '86, of Flint, Apr. 2, age 81.  
*Thomas A. Persons*, '86, of Waynesboro, PA, Feb. 23, age 46.  
*William D. Wilson*, '86, of Canton.  
*Steven L. Beck*, '87, of Fond Du Lac, WI, Mar. 31, age 51.  
*John M. Bonino*, '87, of Oak Brook, IL, Jun. 18, age 57.  
*Darryl P. Mordell*, '87, of Utica, Feb. 20, age 47.  
*Kenneth V. Noren*, '87, of Troy, ID, Feb. 25, age 54.  
*Michelle J. Brandys*, '89, of Saint Charles, IL, Apr. 15, age 44.  
*Mary J. Carlson*, '89, of Lake Odessa, Mar. 3, age 76.  
*Mary C. Vanderwal*, '89, of Ravenna, Feb. 4, age 42.

## '90s

*Kimberly M. (Smith) Abraham*, '90, of North Andover, MA, Jan. 10, age 44.  
*Patricia Bresnahan*, '90, of Burton, Mar. 10, age 61.  
*John D. Kingsnorth*, '90, of Grand Rapids, Feb. 2, age 59.  
*James J. Fillwock*, '91, of Okemos, Feb. 1, age 58.  
*Daniel L. Swets*, '91, of Sioux Falls, SD, Dec. 9, age 47.  
*Brian P. Laethem*, '92, of Sterling Hts, Nov. 8, age 42.  
*Jennifer S. (Bramer) Correll*, '94, of Tampa, FL, Jan. 17, age 65.  
*Bernadine J. Hetler*, '96, of Charlevoix, Apr. 16, age 64.  
*Tracey J. Bradley-White*, '97, of Jackson, Feb. 18, age 37.

## '00s

*Michael T. Jackson*, '06, of Byron, Jun. 27, age 30.

## FACULTY & STAFF

*James R. Andrews*, of Winter Haven, FL, Jan. 4, age 76.

*Eldon A. Behr*, of Cordova, TN, Feb. 8, age 93.

*Robert Dow*, of East Lansing, Feb. 14.

*Roy S. Emery*, of Montague.

*George E. Fritz*, of Venice, FL, Apr. 8, age 79.

*Vincent J. Hoffman*, of East Lansing.

*Thomas W. Jenkins*, of Salem,

OR, Aug. 10, age 89.

*John B. Kreer*, of East Lansing, Mar. 17, age 84.

*Irene L. Lynch*, of West Palm Beach, FL, Mar. 18, age 84.

*Grace M. Masuda*, of East Lansing.

*Veva McGeorge*, of Laingsburg, Mar. 6, age 93.

*Howard L. Miller*, of East Lansing, Mar. 19, age 90.

*Carnell Moore*, of Lansing.

*Robert O. Nolan*, of Harbor Springs, Apr. 10, age 91.

*Gerald L. Park*, of Harbor Springs, Apr. 15, age 79.

*Basil Piper*, of East Lansing, Feb. 14, age 85.

*Simo Pynnonen*, of Port Huron, Jan. 24, age 93.

*Sue Rex*, of Keller, TX.

*Florence (Ridley) Rhines*, of Webberville, Mar. 21, age 81.

*Sharlene A. (Rhines) Rotman*, of Holland, Feb. 16, age 63.

*Warren J. Samuels*, of Gainesville, FL.

*Linda M. Werbish*, of Perrinton.

MSU was notified of these deaths between Feb. 1, 2012, and April 30, 2012.

*Send Obituaries to:*  
*MSU Alumni Magazine – Obits*  
*Spartan Way*  
*535 Chestnut Rd., Room 300*  
*East Lansing, MI 48824*  
*Or email [obits@msu.edu](mailto:obits@msu.edu).*

## ERRATA

► *John A. Penner, of East Lansing, and J. Mark Scriber, of Cheboygan, are not deceased as reported in the Spring 2012 issue.*



MSU  
HOMECOMING  
2012

## HOMECOMING WEEK IS OCTOBER 8-13, 2012

*Join Us in East Lansing for a Full Week of Events*

### HOMECOMING PARADE

The MSU Alumni Association invites student and community groups to enter the parade. The entry deadline is Friday, September 28, 2012. To submit a parade entry, visit [www.homecoming.msu.edu](http://www.homecoming.msu.edu). Featured entries include the MSU Spartan Marching Band, MSU Homecoming Court, Michigan high school bands and much more.

### GLOW GREEN

Show your Spartan Spirit all week by swapping your front porch, window or any other light that can "glow" with a green light bulb to celebrate MSU's Homecoming week. Go even GREENER by using an energy efficient one!

Whether you're on campus, in another state or around the world you can also "Glow Green!"

Homecoming week is October 8-13, 2012. Make sure to "Glow Green" during this time.

### Other Great Homecoming Activities:

*MSUAA Green & White pre-game pep rally, MSUAA Grand Awards Ceremony, MSU vs. Iowa Football Game, College Tailgate Events, Great Student Events and More!*



For more information on "Glow Green" tradition and Homecoming 2012 please visit [www.homecoming.msu.edu](http://www.homecoming.msu.edu)



City	Station	Dial Position
Alma	WQBX-FM	104.9
Alpena	WKJZ-FM	94.9
Ann Arbor	WLBY-AM	1290
Bad Axe	WLEW-AM	1340
Battle Creek	WBCK-FM	95.3
Benton Harbor	WCSY-FM	103.7
Detroit	WJR-AM	760
Escanaba	WUPF-FM	107.3
Flint	WWCK-AM	1570
Gaylord	WMJZ-FM	101.5
Grand Haven	WGHN-FM	92.1
Grand Rapids	WBBL-FM	107.3
Greenville	WGLM-FM	106.3
Hastings	WBCH-AM & WBCH-FM	1220 & 100.1
Holland	WPNW-AM	1260
Iron Mountain	WMIQ-AM	1450
Ishpeming & Marquette	WUPG-FM	96.7
Jackson	WIBM-AM	1450
Kalamazoo	WKZO-AM	590
Lansing	WJIM-AM & WMMQ-FM	1240 & 94.9
Ludington	WKLA-AM	1450
Midland	WLUN-FM	100.9
Newberry	WMJT-FM	96.7
Ontonagon	WUPY-FM	101.1
Petoskey	WJML-AM	1110
Port Huron	WPHM-AM	1380
Saginaw	WNEM-AM	1250
Tawas City	WQLB-FM	103.3
Traverse City	WLDR-FM	101.9

\*subject to change



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## Deal of the Month

### Block S Crystal Charm Bracelet

This beautiful rhodium bracelet is 7.75" long and features  
a round charm enameled with a green Block S and  
a heart charm with Swarovski crystals.

Available through August 31, 2012 at [shop.msu.edu](http://shop.msu.edu)

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**\$29<sup>99</sup>**

type **JulyMSUAA** in the coupon code box at checkout





## LASTING IMPRESSIONS

*Carson Noll, born Dec. 26 to Jon, '07, and Kendra Noll, '06, in Madison, WI, seems very comfortable in a Spartan football helmet. The Nolls report that Carson, scheduled to enroll at MSU in 2030, has not yet selected a major.*





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**You can still be a part of  
this vibrant MSU community!**

## Availability:

Penthouses.....	Sold Out!
Turrets.....	Sold Out!
Studios .....	Sold Out!
1 Bedroom .....	<b>Only 1 Available</b>
3 Bedrooms .....	Sold Out!
2 Bedrooms with Balcony .....	<b>Few Available</b>
2 Bedrooms with Bay Windows....	<b>Few Available</b>