"If I have seen further, it is only by standing on the shoulders of giants."

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22
MSU’S LAND-GRANT LEGACY: A “MORRILL” IMPERATIVE THEN AND NOW
In recognizing the anniversary of an act that propelled MSU forward, it is appropriate to celebrate the incredible triumphs of the past along with the ongoing efforts and initiatives taking place today.

36
MSU PREPARES TEACHERS TO REACH THE HEART OF THE CITY
Long known for being tops in elementary and secondary education, MSU’s College of Education is now emerging as a model for excellence in urban education programs.

44
ENDOWMENTS—A MEASURE OF UNIVERSITY EXCELLENCE
One measure of a world-class university is its endowments. At MSU, the endowments take many different forms and achieve a variety of dreams.


The MSU Alumni Magazine is available online for alumni and friends of Michigan State University - alumni.msu.edu
As someone who applies the same diligence to collecting as he does to running a business or engaging in philanthropy, Eli Broad understands that good art doesn’t have to match your furniture. We can apply that wisdom to architecture as well.

We are looking forward to dedicating the Eli and Edythe Broad Art Museum November 9 in an outdoor public event and hosting a public open house November 10 for those wishing to tour the museum. As the building has risen along Grand River Avenue, many have commented on the bold design by London-based architect Dame Zaha Hadid—which clearly doesn’t match anything on that corner of the campus. Rather, the building makes a striking architectural statement, and with the assets held within its angular steel and glass structure, I believe the Broad Art Museum at MSU will enhance the region’s cultural base with a rich mixture of art and programming.

Like art itself, the Broad Art Museum could prove transformational on many levels, and we’re working with the community to identify ways to use the museum to best advantage. Great communities, after all, need great cultural assets.

Mr. Broad, an alumnus and the museum’s lead benefactor, achieved his success in the building and insurance industries and has since turned his attention not only toward collecting art and supporting cultural assets around the country but also to the far more daunting task of reforming public education. He calls that his most unreasonable challenge, taking a cue from his recently published autobiography, The Art of Being Unreasonable: Lessons in Unconventional Thinking.

He attributes his own bootstrapped success to his willingness to defy convention and take the outwardly simple approach of asking “why not” rather than “why.” In that, he directly channels the inspirational rhetoric of the late Senator Robert F. Kennedy and, before him, the writings of George Bernard Shaw, who also wrote: “The reasonable man adapts himself to the world; the unreasonable one persists in trying to adapt the world to himself. Therefore, all progress depends on the unreasonable man.”

You can see that philosophy at work in Dame Hadid’s unconventional architectural designs as well. Even building the Broad Art Museum created new challenges. But the innovative result is what I’m sure will prove to be an iconic design as the years pass.

We talk a lot about innovation today as if it’s a sort of pixie dust you can sprinkle on convention and reap the rewards of the novel. But it’s not easy, and in many ways, it flies in the face of the conventional. It’s a manifestation of the pursuit of the unreasonable, of asking why not instead of why.

We know we need to do that here at Michigan State, too. For the past year, I’ve been talking to our leaders, faculty, and others in the organization about what it will take to build the kind of university we need to be today and in the future—serving the world we live in today and the one we and future generations will inhabit tomorrow—with the resources we have at hand today. I look at it as an updating of the Boldness by Design strategic framework I launched in our sesquicentennial year in 2005.

We, too, need to set unreasonable goals at Michigan State, unfettered by what convention and our own inner voices might tell us can’t be done. We need to see past the barriers before us to the destination: the land-grant mission for a new day. We will formalize these conversations this year into a more explicit road map.

Updating Boldness by Design isn’t just about our campus community talking about innovation or reform. In few other spheres of life do you find alumni constituting such a critical stakeholder group. Our next initiative is meant to help us move forward in spite of the barriers we face, and we need to be clear that there are daunting challenges. Perhaps the biggest is the drop in state support. Whereas the state might have paid 75 percent of the cost of your college attendance, it is our students and their families who are paying something close to that proportion today. That is a huge shift in the burden of the cost of higher education in the space of one generation, a policy decision that has been imposed steadily by lawmakers over time.

That’s where you come in. I urge you to consider how you might help maintain the quality of Michigan State’s world-class education and access to that education for students of limited means today. There are many ways to contribute—let your Alumni Association help you find ways that fit your style and your means.

As if he isn’t busy enough, Eli Broad this year is occupying a perch on the social networking site Twitter. Earlier this year, he tweeted that before he concludes a business negotiation, he asks: “Is this the best you can do?” We’re asking ourselves that on campus, and today I’m asking that of you as a Spartan.

Is that unreasonable?

Sincerely,

Lou Anna K. Simon, Ph.D.
President, Michigan State University
The Six Degrees of Spartan Nation

Craig Pearson is one of the many MSU students who got a first-hand feel for the power of the Spartan Nation this summer.

Each year Michigan State sends more kids on study abroad experiences than any other institution. Writing in a column for the State News, Craig, a molecular biology major in Lyman Briggs College and a member of the Honors College, says, “Spartans appear to be taking over the world. In my two months abroad so far, I have not only been inundated with countless Facebook photo albums and blog posts connecting me with friends everywhere from Spain to Azerbaijan, but I have also crossed paths with many MSU students and alumni.”

I bet you’re not surprised. In the last week alone, I’ve received emails from students who met Spartans at the London Olympics, alumni who discovered a shrine to MSU Basketball in a small restaurant in Greece and a new faculty member who was stunned by the reception he gets whenever he wears our logo merchandise.

If there’s one thing I have learned in nearly three years as your MSUAA head servant it’s that Spartans are everywhere. But that’s only part of the story. MSU alumni are enriching one another’s lives in every corner of the globe.

One of MSU’s Goldwater Scholars studying in England, Craig recounts his experience: “Around the time of the Queen’s Diamond Jubilee, I went to London and had coffee with a group of MSU friends who were on a German language program in Mayen, Germany. For my research project in a materials science lab at the University of Cambridge, I worked alongside two doctoral students who were both recent graduates of MSU. Last weekend, I went to Paris and wrote fiction in cafes with a fellow MSU English student, and later had crepes and visited the Eiffel Tower with two fellow MSU biochemistry majors.

While I was hanging around outside the Notre Dame Cathedral, an American couple asked me to take a photograph for them, and despite the fact that none of us were wearing Spartan garb, I discovered not only that I was in the presence of an active MSU alumnus, but also that he had grown up a block away from the high school I attended in Detroit.”

I believe the essence of the Spartan life is, as Craig Pearson contends, that, “You’re instantly the closest of friends, connected by something that needs no explanation.” This is what being a Spartan is all about.

When you read this, the MSUAA will have launched a new initiative we call “The Spartan Pipeline.” It’s a system that allows alumni to let us know where their careers are taking them and will instantly sync them up with a Spartan in that town who can help them get settled and connected to the MSU family there.

We will have significantly improved the system we use to help you update your personal information in our most popular application: the MSUAA online directory. The enhanced functionality will also give alumni the opportunity to selectively share that information to make finding your favorite Spartans a quick and easy exercise.

The MSU Alumni Association is a family in every sense of the word. Like most families, there are times when we may disagree about something. But like the best families, we share a common ethic. We model that ethic for others to emulate. And we celebrate and support the institution that brought us together in the first place.

“I know now,” Craig concludes, “that I—or any of us, regardless of age, major, background or profession—can travel to just about anywhere on the planet and have an instant connection or two. Or a few hundred thousand. And that, my fellow Spartans, is as good a reason as any to plant that big green S flag in the ground and say, ‘This is Sparta.’”

Scott Westerman, III, ’78
Executive Director, MSU Alumni Association
Standing tall with playing a key role in making accomplishments, he can be credited. Besides all his other achievements, he was tapped for Mortar Board. The symmetry meant no kidnapping and lots of cooperation even though we were both fooled. The biggest surprise was that my parents were hiding in the bushes at dawn after driving from Maryland. I was hobbling on crutches from home. My mother almost fainted. I reassured them that it wasn't about their daughter far from home. My mother almost fainted. I reassured them that it was nothing serious and we had a lovely day.

Donna H. Kinksz, '87, PhD '03
Catonsville, MD

HIDING IN THE BUSHES
Imagine my surprise when I looked at MSU Moments and saw myself in the photo! Yes, I was in Tower Guard and then also in Mortar Board, tapped at May Morning Sing. My parents couldn’t make it for Tower Guard but Mortar Board two years later was a different story. I was an RA and asked to get one of my girls to Beaumont Tower for Tower Guard. Unbeknownst to me, she was asked to get me there to be tapped for Mortar Board. The symmetry meant no kidnapping and lots of cooperation even though we were both fooled. The biggest surprise was that my parents were hiding in the bushes at dawn after driving from Maryland. I was hobbling on crutches for an injury that I had failed to mention to them so they wouldn’t worry about their daughter far from home. My mother almost fainted. I reassured them that it was nothing serious and we had a lovely day.

Donna H. Kinksz, '87
Catonsville, MD

ICING ON THE CAKE
You really outdid yourself with this latest edition of the alumni magazine. The story of Leonard Falcone was fantastic—I’ve often wondered about the history of Dr. Falcone’s time at MSU since the band holds a special place in my MSU memories. I enjoyed reading John T. Madden’s personal perspective as well. Your column about MSU’s membership in the Big Ten was the push I needed to finally purchase David Young’s book (Arrogance and Scheming in the Big Ten). I’m sure it will be just like this issue of the alumni magazine—something I just can’t put down! The icing on the cake was the Lasting Impressions photo of Carson Noll. Keep up the great work!

Molly C. Ziske, ’87, PhD ‘03
St. Clair Shores

CORAL GABLES
Thanks for the great look back at Coral Gables (Winter 2012). I was a server on Wednesday nights, when we’d go through 400 cases of beer. Owner Tom Johnson ran a tight ship and made sure we hustled every beer to every table. Later I helped start the (then) East Lansing-Meridian Area Chamber of Commerce. We changed the East Lansing City Charter in 1968 from a dry to wet town.

Back then the two largest volume party stores in Michigan outside of Detroit were Oades on the west edge and Tom’s Party Store next to the Gables on the east edge of town. We won by two-thirds vote and that is why you can get a drink in East Lansing today.

I can still feel the throng of the bands at the Coral Gables and the hustle that Tom demanded. The Gables will always be an MSU legacy memory. Thanks for freshening it up.

Leland K. Bassett
Detroit

Great story about Dr. Falcone. When we introduced the Sparty mascot in 1955, we (me wearing the costume and a fraternity brother who helped me strap it on) were allowed to travel to away football games with the marching band. The trips were usually by train. Dr. Falcone always fit us into the band travel plans and so, besides all his other accomplishments, he can be credited with playing a key role in making Sparty known throughout Big Ten country.

William Clithero, ’58
Albuquerque, NM

Your story about Leonard Falcone brings to mind one of my best memories of MSU—the 1953 Rose Bowl game which State won! We went to California by train, taking the southern route through Santa Fe and returning via Union Pacific on the northern route.

E. Alyne Metzer, ’56
New York, NY

The article on Leonard Falcone not only brought back a lot of memories, but also taught me a few things I didn’t know. Thanks for recognizing a man I have idolized for years.

Jim VanDevelde, ’62, MA ’67
Frankenmuth

Great story about Dr. Falcone. When we introduced the Sparty mascot in 1955, we (me wearing the costume and a fraternity brother who helped me strap it on) were allowed to travel to away football games with the marching band. The trips were usually by train. Dr. Falcone always fit us into the band travel plans and so, besides all his other accomplishments, he can be credited with playing a key role in making Sparty known throughout Big Ten country.

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AROUND CIRCLE DRIVE

AMTRAK STATION RENOVATION

Some MSU alumni wishing to visit the campus can look forward to a renovated East Lansing Amtrak Station, as a result of a $6.28 million grant to MSU, the Capital Area Transportation Authority and the city of East Lansing.

The funding is part of the Capital Area Multi-modal Gateway Project, which serves as the transportation gateway to Michigan’s capital city region.

“This station provides a vital link for thousands of students and local commuters who pass through here every day to board a bus, hop a bike or take a train,” says Robert Rivkin, general counsel of the U.S. Dept. of Transportation.

The project, approved by the Federal Transit Administration, provides excellent connectivity to the interstate, the regional transportation network, and bike and pedestrian pathways and will help transition the regionally significant Trowbridge Road Commercial Corridor to one of the nation’s leading research universities.

“Student use of mass transit is at an all-time high, as evidenced by the fact that this station and this line is the fastest growing in Michigan,” says Fred Poston, MSU vice president for finance and operations. “In addition, it’s particularly important that the MSU community have good connections to both Detroit and Chicago.”

MSU TO HELP GLOBAL FOOD SECURITY

MSU will use a $7.3 million federal grant to cultivate the next generation of agricultural scientists in Africa and Asia, in hopes of improving food security and nutrition there.

The new Borlaug Higher Education Agricultural Research and Development program, named after Nobel Peace Prize Laureate Norman Borlaug, is funded by the U.S. Agency for International Development’s Bureau for Food Security. Part of Feed the Future, the government’s global hunger and food security initiative, the program will strengthen agricultural research institutions and support long-term training of agricultural researchers at the master’s- and doctoral-degree levels.

“MSU has 50-plus years of engagement in Africa, and we’re currently managing several M.S. and
Ph.D. training programs whose objectives and program design are similar to those of this initiative,” says Eric Crawford, professor of agricultural, food and resource economics. “MSU faculty are well versed in planning, designing and managing training and human capacity-building programs, especially in plant breeding, food science and food security, which are key areas of Feed the Future.”

Crawford, who also serves as co-director of MSU’s Food Security Group, and Frederik Derksen, chairperson of MSU’s Dept. of Food Science and Human Nutrition, will lead the effort.

**FIRST EVER CENSUS FOR MICROBES**

MSU scientists were among those who, through genome sequencing, have created the first census for microbes living with healthy adults, according to coordinated scientific papers in *Nature and the Public Library of Science* journals.

The research from the Human Microbiome Project Consortium revealed that part of each person’s collection of microbes includes 100 trillion good bacteria living in or on the human body, creating their own unique microbiome. Moreover, researchers calculate that they have identified between 81 to 99 percent of all microbial species in the human body.

Bacteria inhabit nearly every part of the body, including on the skin, in the gut and up the nose. Sometimes they cause sickness, but most of the time, these microbes live in harmony with their human hosts, providing vital functions essential for human survival, says Tom Schmidt, MSU professor of microbiology and molecular genetics.

“We have evolved in a sea of microbes, and so perhaps it is not surprising that there are so many intimate and beneficial associations between microbes and humans,” he says. “Understanding the microbes associated with the human body is crucial to understanding human health and disease.”

**JEKYLL & HYDE BACTERIA**

Living in the guts of worms are seemingly innocuous bacteria that contribute to their survival. With a flip of a switch, however, these same bacteria transform from harmless microbes into deadly insecticides.

MSU researchers report in *Science* a study that revealed how a bacteria flips a DNA switch to go from an upstanding community member in the gut microbiome to deadly killer in insect blood.

Todd Ciche, assistant professor of microbiology and molecular genetics, has seen variants like this emerge sometimes by chance resulting in drastically different properties, such as being lethal to the host or existing in a state of mutual harmony. Even though human guts are more complex and these interactions are harder to detect, the revelation certainly offers new insight that could lead to medical breakthroughs, he says. “Animal guts are similar to ours, in that they are both teeming with microbes,” says Ciche, who worked with researchers from Harvard Medical School. “These bacteria and other microorganisms are different inside their hosts than isolated in a lab, and we’re only beginning to learn how these alliances with microbes are established, how they function and how they evolve.”

The Agricultural Experiment Station first started on the MSU campus to carry out experiments in a variety of agricultural topics. Later Experiment Sub-stations expanded to other parts of the state. Some university personnel were both faculty and Experiment Station agents. They performed teaching duties as well as research on crops, livestock, and pest management to help farmers and improve agricultural science.

In 1892 the Agricultural Experiment Station converted a tool storage room into a seed room in one of the farm buildings on campus. The seed room contained 580 cubby holes for packages of seeds, containers for storing larger quantities of seeds, drying racks, tables and equipment. Grass, millet wheat, corn, beans, and barley seeds, among others were stored in the room. These seeds were studied and used in planting experiments. In one experiment vitality of four year old sugar beet seed was tested.

The room was also used to demonstrate the proper way to store seeds. The seed room existed until 1917, after which it did not appear on the Experiment Station’s inventory of assets in their annual report.

In 1893, MSU created an exhibit for the World’s Columbian Exposition in Chicago, IL. The exhibition included images of the campus and its facilities, and objects, such as samples of plants grown for study. Among the images on exhibit was a photograph of the Experiment Station’s “model seed room.” After the exhibition, the photos and exhibits were brought back to campus and placed on display. The original photo used in the exhibition is housed in the MSU Archives.

The Agricultural Experiment Station has been an important part of MSU’s history. Though the seed room no longer exists, the research done by the Experiment Station continues to benefit many.
BREAKTHROUGH FOR MSU’S FRIB

MSU’s Facility for Rare Isotope Beams project has achieved yet another major milestone.

The U.S. Dept. of Energy Office of Science, or DOE-SC, issued the final report from the agency’s Office of Project Assessment review that was conducted in April. The report confirms FRIB has met all milestones and expectations to date and is ready to begin the next phase of the project.

According to the report, the project is “being properly managed,” the design is “technically sound” and the “cost estimate and project schedule are complete and reasonable.”

In addition, the report said the “level of detail presented meets or, in some cases, exceeds that of a typical accelerator project” at this stage.

The report further stated: “The committee was impressed with the project team, the level of organization, and progress made by the FRIB project since the September 2011 DOE/Office of Science review.”

MORE VARIETY AT WHARTON CENTER

Broadway lovers will enjoy several choices this fall, including Cole Porter’s historic Anything Goes (Oct. 16-21), which won three 2011 Tony Awards including Best Musical Revival. War Horse (Dec. 5-9) and its inventive puppetry won five 2011 Tony Awards, while Billy Elliot (Jan. 15-20) won 10 2009 Tony Awards, including Best Musical.

Dance fans will want to see Parsons Dance (Nov. 11), an athletic ensemble that features the music of the Dave Matthews Band and one of the hottest tickets in contemporary dance. Live at Birdland (Oct. 25) brings to East Lansing the ambience and music of a venerable club where jazz greats such as Charlie Parker, Miles Davis, John Coltrane, Stan Getz and Dizzy Gillespie played regularly. The Stratford Shakespeare Festival brings Shakespeare’s Will (Nov. 29-Dec. 1), which reveals the story of the bard’s widow Anne Hathaway.

For more information, visit whartoncenter.com or call the box office at 800-WHARTON.
“We are very pleased the committee recognized the great work being done by our FRIB team,” says MSU President Lou Anna K. Simon. “We are excited about moving forward on the project. We will continue working with the Department of Energy, as well as the Congress and administration, to ensure that FRIB becomes a reality.”

The project is on track toward early completion in 2019.

Meanwhile, the National Research Council issued a report June 27 reaffirming that MSU’s FRIB project remains a major priority—calling it “a major new strategic investment in nuclear science. It will have unique capabilities and offers opportunities to answer fundamental questions about the inner workings of the atomic nucleus, the formation of the elements in our universe and the evolution of the cosmos.”

MSU DECODES E COLI VIRUS

The secret to the deadly 2011 E. coli outbreak in Germany has been decoded, thanks to research conducted at MSU.

The deadliest E. coli outbreak ever, which caused 54 deaths and struck more than 3,800 people, was traced to a virulent new strain. In PLoS ONE, researchers led by Shannon Manning, MSU molecular biologist and epidemiologist, suggest a way to potentially tame the killer bacteria.

The strain, E. coli O104:H4, shares some characteristics as other deadly E. coli bacteria, but its combination is novel. Researchers haven’t determined the mechanism it uses to cause disease, although Manning and her team were able to find the strain’s Achilles heel—its biofilm.

By focusing on the bacteria’s biofilm, the grouping of many E. coli bacteria that stick to a cell’s surface and grow encased in a self-produced protective coat, Manning and colleagues were able to determine why it was so deadly.

“Our research demonstrates that biofilm formation is critical for toxin production and kidney damage,” she said. “If we can block the bacteria from forming a stable biofilm, then it is likely that we can prevent future E. coli O104:H4 infections.”

Manning’s research was funded by the National Institutes of Health, the U.S. Dept. of Agriculture and MSU AgBioResearch.

PILOT TEST AT MSU FOR STADIUM SAFETY

MSU is one of five universities nationwide participating in a pilot program to test innovative security measures at sports facilities and entertainment venues in areas such as parking, concessions, merchandising and ticketing.

The U.S. Dept. of Homeland Security ranks stadium attacks as one of the 12 most devastating possible acts of terrorism. The pilot program will create a risk management standard for major collegiate and professional venues to improve security measures and increase safety for the thousands of sports and entertainment fans who attend events each year.

It is a collaboration of the National Center for Spectator Sports Safety and Security, or NCS4, at the University of Southern Mississippi and eVerifi le, which helps organizations improve safety and security and meet government compliance requirements. The pilot also includes Ohio State University, Penn State University, Texas A&M and Southern Mississippi.

“With millions of people attending sporting events around the world each year, we can’t afford to take stadium security lightly,” says Lou Marciani, NCS4 director.

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

► Larry Hembroff, director of MSU’s Office for Survey Research in the Institute for Public Policy and Social Research, College of Social Science, has been named president of the Association of Academic Survey Research Organizations.

► James Pritchett, professor of anthropology and director of MSU’s African Studies Center, has been elected vice president of the African Studies Association—the largest global organization enhancing the exchange of information about Africa.

► Sandi Smith, professor of communication and director of the Health and Risk Communication Center in the College of Communication Arts and Sciences, has been named a fellow by the International Communication Association. A member of the ICA Board of Directors, she has received the organization’s B. Aubrey Fisher Mentorship Award.
MSU, DETROIT HELP URBAN FOOD SYSTEM

Detroit and MSU have developed a broad program of food system innovation to promote local economic development, land recovery and food security. The aim is to position the city as a world center for urban food systems technology and development.

A memorandum of understanding signed by Mayor Dave Bing and MSU President Lou Anna K. Simon calls for a program dubbed the MetroFoodPlus Innovation Cluster @ Detroit, laying groundwork for more detailed conversations with community stakeholders and prospective partners.

“Detroit, with the assistance of MSU and many others, has the opportunity to redefine metropolitan food and agriculture for the 21st century,” Bing says. “We want to demonstrate that innovation based on metropolitan food production can create new businesses and jobs, return idle land to productivity and grow a more environmentally sustainable and economically vital city.”

“By 2050, food production will need to double – using less water and energy than today,” says Simon. “We see great opportunity to do good locally and connect globally.”

The partnership builds on MSU’s historical presence in Detroit, including educational partnerships, business and government consulting and Extension support for farmers’ markets and urban gardens.

A BETTER PROCESS TO MAKE BIOFUELS

A new biofuel production process created by MSU researchers produces 20 times more energy than existing methods.

The results, published in Environmental Science and Technology, showcase a novel way to use microbes to produce biofuel and hydrogen, all while consuming agricultural wastes.

“By 2050, food production will need to double – using less water and energy than today,” says Simon. “We see great opportunity to do good locally and connect globally.”

NEW PROTEIN AGAINST THE FLU

An international research team has manufactured a new protein that can combat deadly flu epidemics.

The research, featured in Nature Biotechnology, shows the use of manufactured genes as antivirals that disable key functions of the flu virus, says Tim Whitehead, assistant professor of chemical engineering and materials science.

“Our most potent design has proven effective . . . on many pandemic influenza viruses, including several H1N1 (Spanish flu, Swine flu) and H5N1 (Avian flu) subtypes,” says Whitehead, the paper’s co-lead author. “We were especially pleased to see that it neutralizes H1N1 viruses with potency.”

The team used computer-aided design to engineer proteins that targeted the highly adaptable virus. Researchers then optimized their designer proteins by mapping the mutations that gave the proteins a strong advantage when attacking.

This research lays the groundwork for future treatments of all flu viruses as well as diseases such as smallpox, Whitehead adds. The research was funded by Defense Research Projects Agency, the Defense Threat Reduction Agency, the National Institutes of Health, the National Institute of Allergy and Infectious Diseases and the National Institute of General Medical Sciences.

NEW FACES ON CAMPUS

Peter J. Lasher, a 17-year veteran of development at universities— including the University of Southern California and Georgetown University— has been named MSU’s new associate vice president for university development. He has planned and led development teams in four different billion-dollar plus campaigns.

Stephen Hsu, director of the Institute for Theoretical Science and professor of physics at the University of Oregon, has been named MSU vice president for research and graduate studies. Hsu founded SafeWeb and Robot Genius, web-based security companies. He is scientific adviser to BGI (Beijing Genomics Institute). Hsu succeeds Ian Gray, who held the position since 2004.

Peter Whorf, program director and vice president of content at WFMT in Chicago, has been named station manager and vice president of content at WFMT in Chicago, has been named station manager of WKAR radio. Whorf also worked at WNYC in New York and KBIA in Columbia, MO. WKAR radio is part of MSU’s College of Communication Arts and Sciences.
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For Andrea Amalfitano, hope is critical.

“Hope plays an important role, and, in fact, it is one that consumes me. I am a physician and I’m a scientist, so I combine the two,” Amalfitano says. “I teach medical students, graduate students and undergraduate students. I diagnose all kinds of genetic disorders.”

Amalfitano sees the rarest of diseases and disorders. He sees a lot that he knows is excruciatingly hard on families.

“Many times being diagnosed with something rare is not good news. Many times it means very bad outcomes, unfortunately,” he says. “So I spend a lot of time trying to explain that to families, understand what they are dealing with, and, to the best of my ability, give them prognosis information…many things we can do may not be a direct cure, but many times we can support and make things easier.

“Pompe disease is a genetic disorder of, it turns out, not only the heart muscle but also limb muscles—the muscles of your arms and legs—as well as the muscles that control your breathing. The typical life span, up until a few years ago, you wouldn’t live past the age of two.”

Amalfitano’s research has indeed lit formerly dark corridors of despair with the light of hope.

“I had the opportunity to participate in a clinical trial in which we first attempted a treatment for this disorder in the United States,” he says. “And subsequent to that, based upon a number of studies both in the United States and internationally, a drug was derived exactly from the drug we had initially studied and that is now available to all Pompe patients worldwide.

“Now I can prescribe something for which a few years ago there was nothing. Within a year or two, we find dramatic, not only stalling of the disease process but actually reversal. And now these children are coming in and seeing me, and they are able to hop about the room, hop up on the bed to see me, and they are actually happy to see the doctor. And that is very fulfilling for me to see that, in fact, we can have that kind of a dramatic impact on these cases.”

Amalfitano says he’s always learning. And a lot of that knowledge comes from his patients.

“The day you think you know everything is the day you should probably not be a doctor, because there is just too much out there that we still don’t know,” he says. “And patients teach me a lot. Every time I finally get in and talk with a patient or a patient’s family one on one, it just reaffirms for me why I am there and why I have chosen this field. And I would recommend that to any medical student.”
A charitable bequest to Michigan State University is a thoughtful expression of your commitment to MSU and its future students. The MSU Office of Gift Planning is a valuable resource for alumni and friends to explore how they may, through their estate plans, efficiently remember and support the college, department and/or Spartan athletic, cultural or academic program of their choice.

Remember Michigan State University in your will or personal trust.

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One memorable Super Bowl ad features a tot dressed as Darth Vader applying “the force” to a Volkswagen Passat (which his dad starts by remote control). First run in 2011, the ad earned the top ranking from an MSU faculty panel led by advertising Professor Bruce Vanden Bergh. The ad was created by the Deutsch LA advertising agency in Marina del Rey. Agency founder and CEO Mike Sheldon, ’82, notes that the ad has surpassed 53 million views on YouTube. “It’s actually the most watched commercial in TV history,” says Sheldon. “We showed it worldwide. The return on investment was off the charts—something like a $130 million value for an investment of $3.5 million. We got way more free media (than paid media).” The reason it worked, says Sheldon, is because “it tells a story and you want to root for this kid to make something happen.” Mike himself may have “the force,” as his agency, founded 15 years ago with four people, now boasts 460 employees and more than $1.5 billion in annual billings. His client list includes Volkswagen, Target, Playstation, Dr. Pepper, Snapple and HTC. A native of Bloomfield Hills, Mike chose to attend MSU for a simple reason. “The advertising department is second to none,” he says. “People will hire someone with an advertising degree from MSU sight unseen.” At MSU he became the sales manager of the State News, an experience that proved very helpful, as did professors such as Martin Stock and Vanden Bergh. After graduation, Mike moved to California to pursue both advertising and his favorite sport, motocross. He opened his agency after getting out of his comfort zone and meeting advertising maverick Donnie Deutsch. “After 15 minutes we both knew we’d have a world class agency,” he says. “I tell people to get out of their comfort zones. Take risks, do something out of the ordinary. You never know when you might be inspired.”

SUE SELLENBARGER: WORK AND FAMILY

When Working Woman magazine decided to honor the 25 people who have done the most to help women in the workplace, it selected Sue Shellenbarger, ’72, the creator and writer of the Wall Street Journal’s “Work & Family” column—which she launched in 1991 and is still going strong, many awards later. “I basically invented the beat,” says Shellenbarger, who has lived in Oregon for two decades now. As the chief of the Journal’s Chicago news bureau, she felt the conflict between her work and being a mother of several children. “I felt a sense of life becoming an endless compromise, so I decided to leave the paper (in 1992),” she says. She then began freelancing a series of columns about work and family, and they became so popular that in 1994 she was rehired as a columnist, working from home. “It was what Malcolm Gladwell calls a confluence of events,” says Sue. “There were a lot of baby boomers...”
in the same spot and at the time, it was not OK to say you had a conflict. So my column raised a lot of awareness.” Sue grew up on a farm in Leonidas and attended MSU because “that was our family school.” She studied to be a writing teacher, but was so inspired by some of her professors—notably the late Nathan Hensley—that she eventually switched to journalism. After completing a graduate degree at the Medill School of Journalism at Northwestern University, she worked for the Chicago Tribune and in 1980 was hired by the Journal. Sue loves being a columnist. “It’s very hard work, but being able to work from home allows me to work in between the kids’ track meets and school conferences,” she notes. Today her writing has evolved to include the science of raising children, the psychology of success, and stories that involve the sociology of family and work. Besides writing, she does radio shows, podcasts and videos. For one recent column, she re-took the SAT test for the second time, 40 years later. “The score I got would not have qualified me for MSU today,” she says with a chuckle. “Times are tough for kids.”

MATT MALONEY: HUNGRY FOR GROWTH

In 2004, frustrated by the lack of takeout food choices on the Internet, Matt Maloney, ’98, and Mike Evans, Chicago-based software engineers, decided to change things. They founded GrubHub.com—a site where you can type in your address, locate delivery restaurants along with menus and coupons, and order takeout with a simple click. The idea caught on in a big way. “We’re the number one food ordering business in the country,” says Maloney. “We help local restaurants be found by diners and we offer a full service experience. We’re the easiest way to bring restaurants to you.” GrubHub currently is associated with more than 15,000 restaurants and covers more than 300 cities, “including the major metro markets and the top university communities,” says Matt, the company’s CEO. “We account for more than $250 million in sales. On average, over 25 percent of a restaurant’s gross sales is through us. We want to put the pedal to the metal and define this industry.” With new headquarters in the Loop—its rooftop overlooks Millennium Park—and more than 300 employees, Matt has his sights set high in a business that was not in his thinking when he enrolled at MSU. A native of Spring Lake, he was a high achiever who had his choice of colleges, but picked MSU because “during a campus visit I really, really liked the feel of the campus and the people.” He majored in natural science, worked in a chemistry lab, and met his wife Holly. “MSU gave me a deep, multidisciplinary education that provided me with a foundation for everything I’ve done,” says Matt, who gives special credit to his experience working for MSU Radiology. “The radiology director, Jim Potchen, was an amazing guy,” he recalls. “He was on the super-cutting edge and we had some really fantastic conversations.” Potchen helped connect Matt with a medical imaging group at the University of Chicago, but ironically, Matt’s savvy with computers surfaced and is now his passion. The fastest growing part of his business is mobile, says Matt, who’d like nothing better than to attend a football game in East Lansing—and perhaps put in a food order at the Peanut Barrel.
As a mother of two young boys at home, she knows the desirability of noise reduction. As General Motors’ head acoustic engineer for the Chevrolet Malibu, she makes it her business to minimize internal car noise. Kara Gordon, ’94, M.S. ’97, admits that it’s impossible to eliminate all noise, but notes with pride that the 2013 Malibu is the quietest ever. "We think it’s important because with all the new technology involving voice recognition, none of that will work if the car can’t hear you," she reasons. "We deal with various types of noise—engine noise, road noise," she says. "We test over all kinds of different surfaces, including the cross-groove concrete that is prevalent in Asia." Gordon says that aerodynamics engineers help contribute to car quietness by working on the outside. "They help the car slip through the air, which not only makes it quieter but also reduces drag so you can get better mileage." A native of Grand Blanc, Kara says she picked MSU partly because many of her friends were bound for East Lansing, and also because of the wide variety of options that MSU offered. "I had very little knowledge about careers then," she recalls. "I was an artist but I was also good in math and science. So I wanted to try out as many things as I could." She actually tried engineering because someone told her she’d never make it. "But I found out that I could be really creative, so I could combine my two loves (math and art)." Kara touts her MSU education and lauds Clark Radcliffe, her mentor in mechanical engineering. "I worked a lot in his vibration lab—and acoustics is a part of vibration engineering," she notes. "You learned to do measurements and a lot of hands-on things that really prepared me well for my current job. My MSU experience was fantastic."

R. Barri Flowers: Master of True Crime

The true crime genre may be relatively new, but it has been popular for centuries. Few literary criminologists today have been more prolific than R. Barri Flowers, ’77, M.S. ’80, who has published more than 60 books and three dozen short stories and accounted for several crime show episodes on television. His most recent book, Masters of True Crime (Prometheus Books, 2012), is an anthology of 17 riveting murder cases. Flowers, a 2006 inductee into the MSU Criminal Justice Wall of Fame, wrote one of the stories—the case of serial killer Donald Miller, a fellow criminal justice major at MSU. "It was eerily ironic to have a serial killer in our midst," says Flowers, who was a freshman at MSU when Miller committed some of his crimes. Barri notes that people have been fascinated with true crime stories for centuries. "People were captivated and fascinated by true crime stories because they can get close to living their worst nightmares from a safe distance," he says. "People are still writing about Jack the Ripper a century later." A native of Detroit, Barri credits MSU with instilling his current passion. He cites Zolton Ferency and Ralph Turner as mentors—both were thesis advisors. "They gave me a lot of support and steered me in the right direction," he says. He started writing about true crime with The Sex Slave Murders (1995) about Gerald and
Charlene Gallego in Sacramento, CA, where he used to reside. This year, from his base in Oregon, he will publish six books—including a couple of mysteries set in Hawaii, a romance novel (Forever Sweethearts, about two MSU sweethearts who reunite 25 years later on a reality show), and a textbook (The Dynamics of Murder). Flowers also has a presence in social media via such outlets as Facebook and Twitter (his handle is @rbarriflowers).

JULIE HORVATH: MAKING SCIENCE FUN
In recent months, comparative evolutionary genomics

Julie Horvath, ’96, has been working on a project that explores how odors associated with microbes living in armpits determine people’s choice of mate. “Yes, it’s sort of gross . . . but also intriguing,” chuckles Horvath, who works at the Nature Research Center—the new $56 million wing of the North Carolina Museum of Natural Sciences in Raleigh. “Everyone loves it (the project), and we’re actually involving visitors in data collection,” she adds, noting that the research is part of (N. C. State’s) Rob Dunn’s “Your Wild Life” project, which started with studying microbes found in belly buttons. A big part of the museum’s mission is to engage the public and make science more interesting and understandable to the public. That may also be why Julie keeps primate skulls in her glass-enclosed lab. “They always get kids’s attention,” she notes. A native of Okemos and daughter of an MSU professor in criminal justice, Julie touts her experience in undergraduate research at MSU with helping shape her career passion. “My favorite mentor was molecular pathologist Karen Frederici,” recalls Julie. “I did research related to diseases of goats and cows. It was a great experience and I got to present at some conferences. Working with goats was dirty and stinky—that’s why I don’t like goat cheese—but it was a lot of fun.” Julie obtained her doctoral degree from Case Western and went to work at Duke University, where she is still an adjunct professor, to do genomics research of lemurs. Julie recently was able to renew a grant for a collaborative study of rhesus macaques. “I love my work,” says Julie, who also serves on the biology faculty of North Carolina Central University in Durham. “Every day is a new day. I meet interesting people every day. Just as I loved undergraduate research at MSU, I am now a part of a great lab group and we’re in a public setting that is bringing in tons of interested people to science and research.”

HO LLY SONDERS: RISING GOLF PERSONALITY
Golfers who watch the Golf Channel have noticed an on-air personality who seems ubiquitous, appearing on the daily Morning Drive, providing tournament and news updates and helping out host Martin Hall perform his weekly Golf School. MSU alumni might have seen Holly (Niederkohr) Sonders, ’09, either as a member of the 2007 Big Ten women’s golf championship team or as a sideline reporter for the Big Ten Network in 2009. “I’m having a lot of fun, even if I have to get up at 3 a.m. every day,” says Sonders (her stage name). In June, she interviewed her former MSU teammate Sara Brown after Brown won on the Symetra Tour. “That was really cool,” recalls Holly. “We talked about MSU a lot.” She has also played in a number of pro-ams. “I played with Webb Simpson and Rickie Fowler, and right afterwards they went on to win a tournament,” she notes. “So now everyone jokes that they want me as a pro-am partner.” Viewers want more of Holly, which is why she will host her own show this fall—Playing With the Pros, playing lessons from the top professionals. “I really like the instructional part of it,” says Holly, who is enroute to becoming a certified golf instructor. A native of Columbus, OH, Holly was recruited by many southern schools but decided on East Lansing after a four-hour meeting with MSU coach Stacy Slobodnik. “That was it,” says Holly. “Stacy made quite an impression. She’s an incredible lady. She’s turned MSU into a force in college golf.” Holly says she now understands the value of her golf experience. “Golf has meant everything,” she says. “It has taught me so much about life. I now realize everything Stacy did with me was for a reason.” After graduation, Holly worked briefly at WBNS-10 TV in Columbus, and reported news for KATV in Little Rock, AR. But she has found a great home at the Golf Channel.
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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.”

“The ring signifies a Spartan’s official entry into the Spartan Nation.”

– Scott Westerman, MSUAA Executive Director

“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 or by phone at 866.225.3687.

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Everyone has the power to save.
In 1857, the Agricultural College of the State of Michigan (later MSU) became the first institution of higher learning in the United States to teach scientific agriculture.

MSU botany Professor (from 1870–1910) William J. Beal pioneered the development of hybrid corn, which doubled the yield of corn plantings. Beal was the first person to cross-fertilize corn to increase yield through hybrid vigor in 1879.

MSU scientist Robert Kedzie imported sugar beet seeds from Germany in 1890 and distributed them to farmers, resulting in the birth of an entirely new industry for the state. Today, Michigan is the country’s No. 4 sugar beet producer, with revenues of $444 million in 2010.
In 1915, MSU plant breeder F.A. Speagg released the first navy bean variety—Robust. A total of 40 varieties of beans in eight commercial classes were developed and released at MSU during the 20th century.

In 1926, Ward Giltner, then dean of the MSU Veterinary School, began the first B.S. program in medical biology (later to become medical technology) in the nation.

In 1902, MSU built the first free-standing building devoted to teaching and research in bacteriology in the nation. In 1914, it was said to have “probably the best equipped laboratory in the United States.”

Howard R. Smith, an 1895 graduate of Michigan Agricultural College, pioneered the program of bovine tuberculosis (a chronic bacterial disease of cattle that can be spread to humans) eradication in the United States.

MSU scientist and dairy industry pioneer G. Malcolm Trout developed a commercially viable process in the early 1930s for the homogenization of milk that the industry still relies upon today.
In recognizing the anniversary of an act that propelled MSU forward, we celebrate the incredible triumphs of the past along with the ongoing efforts and initiatives taking place today.

William J. Beal, the father of hybrid corn. Stanley Johnson, the first “dean” of peach breeders. Robert C. Kedzie, the father of the beet sugar industry in Michigan. G. Malcolm Trout, the father of homogenized milk.

These early scientists at MSU were pioneering giants, and their contributions to society herald what continues to take place today—and that is MSU continuing to spawn advances in research and education to the benefit of all humankind.

This year, as we trumpet our current work, it is worthwhile to celebrate a crucial anniversary and to revisit our historic successes since that fateful event—the work of those individuals who drove MSU’s land-grant beginnings and established what was known as “the great experiment”—the formal establishment of the U.S. land-grant college system.

On February 15, 1855, just 18 years after Michigan became a state, Gov. Kinsley S. Bingham signed legislation establishing the Agricultural College of the State of Michigan—the forerunner of MSU. Michigan’s fledgling agricultural college served as a prototype for land-grant institutions across the country.

“In Michigan, as elsewhere around the North, agricultural advocates had been calling for dedicated agricultural colleges for years,” says MSU President Lou Anna K. Simon. “Much of this ferment was occurring in the Midwest and Northeast as proponents set up a steady drumbeat for the establishment of federally backed colleges. People were concerned about issues of productivity and market competitiveness in what was by then a world economy.”

With eyes on Michigan, President Abraham Lincoln signed legislation in 1862 that came to be known for its dogged sponsor, Rep. Justin Morrill of Vermont. The Morrill Act provided funding to higher education institutions by granting federally controlled land to states for development or sale to raise monies to establish and endow land-grant colleges. MSU was subsequently designated as the federal land-grant college for Michigan in 1863.

The Morrill Act was later strengthened by the passage of the Hatch Act in 1887, which created a national network of agricultural experiment stations to provide research support to the U.S. agriculture industry; and the Smith-Lever Act in 1914, which established the Extension Service to offer university-based educational resources to the public. The rest, as they say, is history.

Although MSU can point to many milestones in its early history, the university’s recent history is no less impressive. MSU is home to a plethora of nationally and internationally renowned scientists and has had 10 faculty members elected to the National Academy of Sciences (see p. 31). Election to membership in the academy is considered one of the highest professional honors that can be accorded a U.S. scientist or engineer. The academy acts as an official advisor to the federal government, upon request, in any matter of science or technology.
In the early 1970s, MSU researcher Barnett Rosenberg and colleagues discovered the cancer-fighting properties of platinum, which led to the development in 1978 of what is still one of the world’s most widely used cancer drugs—cisplatin.

In 1972, MSU scientists helped U.S. Dept. of Agriculture poultry researchers develop the first effective vaccine against Marek’s disease—a highly contagious viral poultry disease that causes tumors.

In 1979, MSU wheat researchers increased wheat yields by 50 percent with the introduction of two winter wheat varieties: Frankenmuth and Augusta.

In 1982, MSU plant pathologist Dennis Fullbright used biotechnology to isolate a virus that helped save the American chestnut from chestnut blight, a fungal disease that nearly wiped out the species in North America.

The Center for Microbial Ecology at MSU was founded in 1989 by the National Science Foundation as one of the first 11 Science and Technology Centers in the nation (only two of which were biology-based).

Evangelyn Alocilja
In 1990, MSU produced the world’s first medical cyclotron, capable of treating cancers that resist conventional radiation therapy.

In 2005, MSU scientist James Hancock introduced the Aurora, Draper and Liberty blueberries, which have become the most widely planted blueberries in the world. Michigan is the leading blueberry producer in the United States.

Widespread national recalls of lettuce caused by E. coli outbreaks prompted Elliot Ryser, MSU professor of food science and human nutrition, to construct a small-scale food processing line similar to industrial ones (the only such replica at a university) to pinpoint how contamination occurs.

In 2009, the U.S. Dept. of Energy selected MSU to establish the Facility for Rare Isotope Beams (FRIB), slated to be the world’s most powerful rare isotope beam facility.
As MSU and the nation observe the 150th anniversary of the signing of the Morrill Act, it’s a fitting time to celebrate some of the life-changing, lifesaving discoveries made by MSU researchers that are bringing science and innovation to everyday life in the 21st century.

**Conquering detection problems in water- and food-borne pathogens**

MSU scientists are exploring new frontiers in the detection of water-related diseases by developing sensors that can detect harmful pathogens in food and water before they cause widespread disease.

“From farm to table, there are numerous opportunities for food and water to become contaminated with pathogenic bacteria,” says Evangeline Alocilja, professor of biosystems and agricultural engineering.

To help address this issue, Alocilja has developed a nanostructured biosensor that promises speedy detection of deadly pathogens and toxins, especially in water. This hand-held device can be used in a farmer’s field to test, for example, for Escherichia coli (E. coli), a bacterium that is commonly found in the intestines of warm-blooded organisms. Most strains are harmless, but some, such as E. coli O157:H7, can cause serious food poisoning in humans and can be responsible for product recalls. The biosensor also can be used for the rapid detection of a broad range of other threats such as Salmonella, anthrax and tuberculosis.

Alocilja’s idea for the biosensor originated more than 10 years ago when she attended a conference on biodefense where the concept of a biosensor was presented. She believed that she had the expertise to develop a sensor and was driven by a desire to save lives.

The cycle of E. coli contamination begins when an animal with E. coli leaves excrement on the soil. Rain sends the contaminated soil into surface water, including irrigation water and recreational lakes and rivers, or it is leached into groundwater. When crops come in contact with that water—especially fruits and vegetables that are grown close to the ground—they become contaminated. As crops move through processing and/or packaging, further contamination may occur.

“If a farmer can find out that the water being used on his crops contains, for example, E. coli, he can take action and stop the contamination,” Alocilja says.

Alocilja’s biosensor is now in the hands of a commercial company, nanoRETE, which is funded, in part, by MSU Technologies. Alocilja realized that putting the product in the commercial marketplace will validate its usefulness and identify its weaknesses so that improvements can be made.

“In the lab, everything is in a controlled environment,” she says. “If we send it out as a commercial product, we can see exactly what is needed in the field and we can revise the design if necessary. Our goal is better performance, faster results and a less expensive device.”

**Welcome to Fermentation Station**

What do a salt substitute, distilled spirits and the chemical intermediate succinic acid have in common? They are all natural products created from fermentation processes developed over the past 20 years by MSU food science and human nutrition and chemical engineering and materials science researcher Kris Berglund.

“The basis of all this work has to do with some sort of fermentation process,” says Berglund, a University Distinguished Professor. “We start out with a basic idea that can be applied to a variety of renewable resources—for example, starch from grains and corn, cellulose (residues extracted from stems and stalks that aren’t food products) and hemicellulose from forest products. We have a number of raw materials we can choose from and five or six fermentations we are studying.”

One of the most notable products in Berglund’s research portfolio is a salt substitute commercially known as AlsoSalt. The notion for this product came from Berglund’s knowledge of the five tastes identified in Japanese science—bitter, salty, sour, sweet and Umami (which means “savory” or “deliciousness”).

“Umami is the sense of flavor enhancement,” Berglund explains. “MSG is the classic Umami flavor—it intensifies the taste of food. As it turns out, lysine—an amino acid that is one of the major products

In 2009, MSU chemical engineering and materials scientist Bruce Dale developed a method to turn agriculture waste and nonfood plants into materials easily processed into biofuel and chemicals. The process, Ammonia Fiber Expansion (dubbed AFEX), makes the breakdown of cellulose and hemicellulose more efficient—more than 90 percent of the material is broken down into fermentable sugars.

In 2010, MSU was awarded a National Science Foundation (NSF) grant to establish the Bio/computational Evolution in Action CONsortium (BEACON), bringing together scientists from across the nation to study evolution in action in both natural and virtual settings. BEACON is a highly coveted NSF Science and Technology Center.

In 2010, MSU crop and soil scientist Dechun Wang developed an aphid-resistant soybean germplasm—called Sparta—to breed into varieties suited to Michigan’s shorter growing season.
fermented from corn starch—is mildly salty and also possesses this Umami flavor. We were already studying lysine, so we asked what the basic problem was with salt substitutes. The answer is that they have a bitter taste that needs to be masked.”

Their interest piqued, Berglund and his colleagues started testing lysine and a number of amino acids.

“It wasn’t some great hypothesis—we just tasted things and figured out what tasted salty and what didn’t, what masked the bitterness and what didn’t,” Berglund says. “Through trial and error, we came up with a particular formulation of potassium chloride and lysine that gives the salty flavor without having any salt in it. That’s AlsoSalt.”

Patented in 1999, AlsoSalt was introduced to the U.S. market five years ago. In 2009, Heinz announced that it was using AlsoSalt in an improved version of its no-salt ketchup.

“When we started this work, most people were interested in artificial sweeteners—they didn’t care about salt,” Berglund says. “Now there’s a much stronger appreciation of the health effects of sodium in people’s diets.

“AlsoSalt production is another example of biorefining that can produce a full complement of biobased chemicals, fuels and other products,” he adds. “We’re taking renewable resources and turning them into high-value, high-quality products that serve to further Michigan’s bioeconomy.”

Evolution in action

Evolution takes on a whole new look and feel in the work of MSU evolutionary biologist Richard Lenski. Most evolutionary biologists study evolution by examining fossils or by comparing different species. Lenski studies evolution by doing experiments with fast-reproducing organisms where he can watch evolution in action.

“Evolution is like a game that combines luck and skill, and I thought that perhaps bacteria could teach me some interesting new games,” says Lenski, who is also an MSU Hannah Distinguished Professor and a member of the National Academy of Sciences.

In 1988, Lenski started an experiment with 12 populations of E. coli bacteria—all starting with the same ancestral strain and all living in identical environments—to see just how similarly or differently they would evolve. He wanted to keep the experiment going for at least a year and culture about 2,000 bacterial generations. Twenty-four years and more than 55,000 generations later, the experiment is still growing strong.

Lenski’s laboratory received quite a bit of attention in 2008 when one of the 12 populations of E. coli being studied evolved the ability to eat a chemical called citrate—a compound that, until now, E. coli could not grow on.

“This development was particularly exciting because it showed that, in a relatively short period of time—a couple of decades—a brand new function could evolve,” he says.

Although Lenski does basic research, his work has led others to think about various applications, including microbial forensics, strain improvement and computational evolution.

“After the anthrax attacks that shortly followed the 9/11 terrorist attacks, it became imperative to understand how to track the source of bacterial populations that might be used in bio-terrorism,” Lenski says. “Because of this long-term experiment, we now have the best data on how quickly strains change at the genomic level and how much genetic variation exists within a sample. This study has become a reference point for understanding the evolution of other bacteria.”

Further, Lenski adds, it’s increasingly recognized that evolution can be used alone or, better, in combination with genetic engineering to produce bacterial strains that have desirable features such as the ability to produce alternative fuels or remediate pollution.

“Darwin would be amazed to see where his ideas have led,” he muses.

Microbial technology to create energy

“Best wishes and make discoveries.” This was the note left for incoming MSU microbiologist Gemma Reguera by her office predecessor, microbiology and molecular genetics professor emeritus John Breznak, when she arrived on campus in 2006. Thanks to synchronicity, an
increased societal interest in renewable energy and some innovative science, Reguera’s time at MSU has been full of discoveries.

In addition to sharing office space and research interests, Reguera and Breznak share the same alma mater (University of Massachusetts) and Ph.D. mentor, Ercole Canale-Parola, a research pioneer in plant biomass degradation and ethanol production using fermentation processes with microorganisms.

“His work really fascinated me—the fact that you could actually take a natural process that was occurring in the environment, bring it into the lab to study and then find an application for biofuel production,” says Reguera, an MMG associate professor. “At the time, we could barely get funding for this type of research, so it’s been very gratifying to come to MSU and have the resources and support that I need to continue this important work.”

For the past six years, Reguera has been building on Canale-Parola and Breznak’s work, developing a process that uses microbes to produce clean, cheap fuel and electricity from plant biomass. Most recently, she and members of her lab created a new biofuel production process that produces 20 times more energy than existing methods.

Reguera has developed bioelectrochemical systems known as microbial electrolysis cells (MEC) that use natural bacteria to break down and ferment agricultural residue into ethanol. Her platform is unique because it also employs a second bacterium—Geobacter sulfurreducens—which removes all of the waste fermentation byproducts while producing electricity. With a little energy input, this electricity is converted into hydrogen, which can also be used as fuel.

Reguera’s electrochemical systems use corn stover treated by the ammonia fiber expansion process (AFEX), an advanced pretreatment technology pioneered at MSU by Bruce Dale, professor of chemical engineering and materials science.

Similar electrochemical systems have been investigated before, but maximum energy recoveries as power from corn stover hover around 3.5 percent. Reguera’s platform averaged 35 to 40 percent energy recovery just from the production of ethanol in the fermentation process. When the MEC generated hydrogen, the energy recovery increased to 73 percent.

“The potential is definitely there to make this platform attractive for processing agricultural wastes,” she says. “I think that we can scale up with commercial bioreactors and standard fermenters and take it from there.”
Good Egg, Bad Egg

For MSU animal scientist George Smith, the first step to understanding the root cause of infertility in dairy cows—and in humans—is to figure out the factors and mechanisms that make it difficult for them to conceive. His work is focused on studying the egg at the cellular level. Understanding the root of the problem, Smith believes, paves the way for developing approaches to addressing infertility problems.

“A growing body of evidence in literature supports the idea that problems with egg quality contribute to poor reproductive performance in dairy cattle,” he explains. “What we’re interested in learning is what makes a good egg a good egg and a bad egg a bad egg, how to tell the difference, and what factors have to be optimal to produce healthy, viable offspring at term and beyond.”

In the quest to understand the role that egg quality plays in infertility, Smith led a team of researchers in the discovery of an egg-specific gene, JY-1, that is necessary for embryonic development in cows. Besides offering the dairy industry more solutions for the infertility problem that costs it more than $1 billion per year, the new gene provides clues into the egg’s role in embryo development and may ultimately provide new options for the more than 9.3 million women treated annually for fertility problems.

“This is where the application to human health comes into play,” Smith adds. “A major cause of infertility in women, especially those of advanced age, is poor quality oocytes. If there were ways that we could select for the best quality eggs before fertilization takes place, it may result in greater pregnancy success and alleviate some of the moral and ethical challenges associated with having to store extra fertilized embryos indefinitely.”

Tremendous opportunities exist for the practical application of enhanced reproductive technologies in humans, as well as in the dairy and beef cattle industries, Smith notes.

“This is the power of basic research: to understand and solve complex problems,” he explains. “It also validates the need for using farm animals to conduct this basic research that can, in turn, be translated long-term into new technologies and practices to achieve reproductive efficiency and productivity in agriculture and a better understanding of infertility problems in humans.”

Beating the Heat, Conquering the Cold

After being raised and living most of his young adult life in southern California, moving to Pullman, Wash., for his first job in the early 1980s was a shock to MSU microbiology and molecular genetics University Distinguished Professor Mike Thomashow’s system. It was also a turning point in his research career.

“Winter was very cold in Pullman,” recalls Thomashow, director of the MSU-DOE Plant Research Laboratory and member of the National Academy of Sciences. “I remember looking out my laboratory window at plants surviving in minus 20 degree weather and asking myself, ‘How are these plants dealing with this incredible cold? How do they overwinter in such a harsh environment?’ This got me interested in understanding the genetic mechanisms that plants have evolved to withstand freezing and other environmental stresses.”

When Thomashow came to MSU in 1986, there was a lot of skepticism in the scientific community about whether his chosen line of investigation, the study of cold-regulated gene expression, could offer enough information and knowledge to provide significant new insight into the genetic basis of freezing tolerance.
Twenty-six years later, Thomashow is internationally recognized for his work on the molecular mechanisms of cold acclimation and drought tolerance in plants.

One of Thomashow’s biggest breakthroughs was the discovery of the CBF cold-response pathway in Arabidopsis—a small, flowering plant related to cabbage and mustard that is considered a model organism in the study of basic plant processes.

“This is the genetic pathway that controls freezing tolerance,” Thomashow says. “It also works to increase the plant’s tolerance to drought and high salt concentrations. Now that we know what the pathway is, we want to see if we can influence various plant species and improve varieties.”

Plant breeders at universities and private companies are now using this pathway as a type of master control switch to regulate a suite of genes responsible for dehydration stress, which can be caused by drought, freezing and/or high salinity.

“Ultimately, the goal is to increase drought and freezing tolerance so that there is a longer growing season and an expanded growing region for as many crops as possible,” Thomashow says.

**Land-grant roots, world-grant reach**

Today, 150 years after President Lincoln signed the Morrill Act, MSU applies its land-grant mission to a global stage as one of the top research universities in the world. From researching and treating life-threatening diseases to working side-by-side with farmers to address hunger and malnutrition to advancing alternative energy technologies—MSU scientists develop sustainable solutions on a global scale that create prosperity and make life better for all.

“When we talk about the need to promote innovation, remember that it was Justin Morrill who framed land-grant in terms of national competitiveness,” President Simon says. “On the floor of the House of Representatives, he argued in 1858: ‘We owe it to ourselves not to become a weak competitor in the most important field where we are to meet the world as rivals.’

“Importantly,” Simon adds, “by the time the Agricultural College of the State of Michigan was created, the concept went beyond a farming trade school. It was a time of emerging knowledge in natural sciences such as agricultural chemistry, which created a thirst for the transmission of such knowledge to common people.”

Although much at MSU is different, Simon contends that much remains the same.

“We are still deeply engaged in our Michigan communities and in communities around the world. Still pursuing the practical and the theoretical. Still negotiating the tensions inherent in our multifaceted mission. And, above all, still advancing the common good in uncommon ways.”

*Val Osowski, ’81, ’86, is a communications manager for MSU AgBioResearch.*

**Editor’s Note:** All of the researchers featured in this article (Alocilja, Berglund, Lenski, Reguera and Thomashow) are also MSU AgBioResearch scientists. AgBioResearch supports the work of more than 300 scientists in six colleges—Agriculture and Natural Resources, Communication Arts and Sciences, Engineering, Natural Science, Social Science and Veterinary Medicine. AgBioResearch engages in innovative, leading-edge research that combines scientific expertise with practical experience to generate economic prosperity, sustain natural resources, and enhance the quality of life in Michigan, the nation and the world.

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- Michael Thomashow, University Distinguished Professor of crop and soil sciences and of microbiology and molecular genetics.
- James Tiedje, University Distinguished Professor of crop and soil sciences and microbiology and molecular genetics.
- Edward Tolbert, Professor of biochemistry and molecular biology.
- Jan Zeevaart, University Distinguished Professor Emeritus in the DOE Plant Research Laboratory.
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MSU Prepares Teachers to Reach the Heart of
Long known for being tops in elementary and secondary education, MSU’s College of Education is now emerging as a model for excellence in urban education programs.

When James Patterson—yes, the mega-selling author James Patterson—decided to invest in the future’s best teachers, Michigan State University rose to the top of his list.

With a reputation for preparing leaders in education, the university’s programs in elementary and secondary education have been ranked No. 1 in the nation by *U.S. News & World Report* for 18 consecutive years.

But Patterson, who has been ramping up his efforts to boost literacy in the U.S., was especially impressed by a lesser-known fact about the College of Education at MSU—its commitment to improving urban schools.

The number of graduates who are ready, and committed, to serve in high-need areas like Detroit and Chicago has been growing steadily over the past 10 years as the faculty continues to develop specialized courses and programs.

Patterson announced in June 2012 he would be creating scholarships for future teachers enrolled in a key part of the pipeline, the Urban Educators Cohort Program (UECP). His $60,000 gift will cover $7,500 in tuition each year for eight students starting this fall, and the funding could grow in future years.
Candidates for the scholarship must select English or Language Arts as their teaching major or minor.

“When I read about the excellent teaching programs at MSU’s College of Education and its Urban Educators Cohort, I hoped there would be an opportunity for me to help,” says Patterson, the writer of detective novels such as the well-known Alex Cross series as well as several children’s books.

In a letter to MSU President Lou Anna K. Simon, Patterson notes, “…my passion is to get more and more kids excited about reading, and training the next generation of great teachers is essential to that mission.”

The MSU model

“As a land-grant university, it’s critical for Michigan State University to be engaged in helping to improve education in urban areas, both here in the state as well as elsewhere,” says Donald E. Heller, who became dean of the college in January. “The commitment is manifested in many ways, through our research projects such as the College Ambition Program, our outreach efforts supporting educators in Michigan’s lowest-performing schools, many of which are in urban areas of the state, and our teaching, in programs like UECP.”

Students in the Urban Educators Cohort Program start training during freshman year, two years before formally entering the teacher preparation program. By observing real classrooms and taking tailored courses together, they begin to understand early on how issues such as power, privilege and poverty affect urban schools.

Christopher Watson, ‘11, a graduate of the MSU teacher preparation program from Detroit, was named 2012 Michigan Student Teacher/Intern of the Year while a teaching intern in Detroit Public Schools.

Most importantly, says Assistant Dean Sonya Gunnings-Moton, MA ’83, PhD ’89, they learn how they can help transform communities as educators. More than 280 students have enrolled in the program since 2006, including two groups of graduates now working full-time in big cities.

Why should MSU focus on urban education? Consider the statistics. According to the National Center for Education Statistics (NCES), 56 percent of students in those 100 districts—mostly in urban settings—come from low-income families.

On average, only about two-thirds of ninth graders in those districts graduate from high school on time.

“Urban education is a front and center college-wide priority,” Gunnings-Moton says. “It is about providing high-quality professional preparation, keeping our college relevant within the landscape of what’s happening in public education and ultimately creating equitable opportunities for the children who are students in urban K-12 school districts.”

Many argue that the academic and social challenges at play in urban districts require a unique set of policies, administrators and teachers.

Leaders in MSU’s College of Education believe urban students deserve teachers who will pledge to stick around no matter how budgets and reforms fumble—teachers who know how to cultivate resources and potential others fail to notice. Teachers like UECP graduate Christopher Watson, ’11, who was named Michigan Student Teacher/Intern of the Year in 2012. He won the annual competition, beating hundreds of aspiring teachers statewide, based on a lesson plan about active verbs for third-graders at Bates Academy in Detroit.

His ability to incorporate rap, technology and local culture into the lesson, then critically reflect on what worked, helped him stand out during his fifth-year internship (a requirement of the teacher preparation program). His experiences with the MSU College of Education—start-
ing before college—helped him build the confidence and skills to take
the lead in any urban classroom.
A graduate of Detroit Public Schools himself, Watson says he real-
ized his potential to become an “agent of change” while participating in
the Summer High School Scholars Program. The four-week retreat on
MSU’s campus focuses on preparing 10th, 11th and 12th graders from ur-
ban areas for success in college with an emphasis on careers in education.
Offered every summer for up to 70 teens, the retreat has become the
gateway for a growing number of Spartan teachers. The number of
Detroit residents pursuing teacher certification at MSU has more than
doubled since fall 2003, with about 50 students now in the process.
“The Summer Scholars program was the first time I was able to look
critically at education as a whole, or see the faults,” says Watson, who is
now one of the instructors. “I was fortunate enough to attend a (high)
school in which 95 percent of the students went on to college, but I was
also frustrated how these experiences weren’t being translated to every-
one, especially in urban areas. I knew I needed to do something.”
He decided to apply to MSU and the close-knit Urban Educators Co-
hort Program, which admits a geographically and racially diverse group
of 75 students each year. Members get a jumpstart on their preparation
through special courses and field experiences as freshmen and sopho-
nores, then complete their remaining field requirements—including
the internship—in urban locations.

The Detroit connection
Many education students at MSU also experience urban teaching
during an optional summer program in Detroit. Open to all teacher
candidates and not just those in UECP, the Urban Immersion Fel-
lowship places about 50 students in summer school classrooms and
community-based youth programs over six weeks.

Ashley Keine (below), ’09, and Megan Merony (right), ’08, MA’11, completed
their teaching internships in Chicago and now teach at Chicago’s Shoesmith
Elementary School.

They teach, tour the city, interact with local leaders
and attend weekly seminars on topics such as youth
development and classroom management. Survey data show the fellow-
ship, which started in 2004, builds students’ interest in urban education
careers and challenges preconceived notions.
One student commented, “This experience changed my perspectives
in a positive way, 180 degrees. I was once a suburban girl who only came
to Detroit for sporting events; I now boast and brag about my students,
my city, my community that I called home this summer . . .”
The College of Education has a long history of working with Detroit
Public Schools (DPS). The existing pipeline for producing urban
teachers grew out of a partnership between MSU, DPS and the Broad
Foundation, which agreed to provide up to $6 million, in 2003.
Today those initiatives—the Urban Immersion Fellowship, the Sum-
mer High School Scholars Program and a set of scholarships specifically
for urban teacher candidates—receive funding from the MSU Provost’s
Office and the college itself.
And the commitment to improving education in Detroit took on
even more solid footing when the university opened the MSU Detroit
Center on Woodward Avenue three years ago. The College of Educa-
tion has made its Southeast Michigan headquarters there, using the
space to hold regular classes for interns teaching in local schools as well
as for various meetings and events.
“Many people are reluctant to engage in partnerships with urban
schools but MSU has certainly shown a commitment to Detroit Public
Schools,” says Robynn Diamond, executive director of recruitment
and employment services at DPS. She says the internship program and
particularly the summer fellowship, which is unique to MSU, has paid
dividends for the district.
“It gives me an avenue to recruit highly skilled professionals who are
willing to embrace what our schools and our students have to offer,” she
adds. “Without giving them opportunities to gain awareness of what
urban education is truly like, I don’t know that we would be able to
recruit such talent.”
Growing to Chicago, graduate students and more

All teacher candidates at MSU learn about the concept of social justice in education through TE 250, a required course. They begin thinking about how they will, within the unique historical, political or economic contexts of their schools, work to make academic success a reality for all children in their care.

Not every student gets an opportunity to spend time in urban classrooms (or wants to necessarily), but the number of future teachers completing the program’s signature fifth-year internship in urban schools is growing. Interns teach in Michigan cities like Lansing, Pontiac, Flint and Grand Rapids, and now, Chicago, IL.

MSU started partnering with Chicago Public Schools—whose leaders were seeking relationships with the country’s highest-quality teacher preparation programs—to provide intern placements four years ago. Nearly 40 students are there this fall.

As the faculty’s focus on urban education grows, so have the opportunities for graduate students to study issues of urban education in depth. The new Urban Education Graduate Certificate program involves an interdisciplinary sequence of courses for Ph.D. students and a related speaker series that has brought national experts such as Pedro Noguera and Ronald Ferguson to packed audiences on campus.

Christopher Dunbar, MSU professor of educational administration, directs the certificate program and was one of the coordinators of Michigan’s first-ever State Symposium on African-American Male Youth in May 2012. Held in Erickson Hall on the MSU campus, the event brought together male high school students and key leaders from across Michigan to explore issues related to health, employment, juvenile justice and education. Several faculty members and graduate students from the College of Education facilitated discussions.

“We want school districts and the general public to know that MSU is a place where educators can gain the knowledge and insight to successfully teach, lead and conduct research in urban school environments,” Dunbar says.

UECP member LaShawn Hanes, ’12, who started her teaching internship in Chicago, is one student who has raised her aspirations by making connections between teaching and research.

She was part of a small group of undergraduate students selected in 2012 to receive a research training fellowship from the American Education Research Association (AERA). The program gives fellows rare access to workshops and networking events that help them learn how research is conducted.

Hanes was nominated by MSU Assistant Professor of Teacher Education Rebecca Jacobsen, who assisted her in designing research about urban youth and their perceptions of college.

“That really ignited her passion for the potential to get involved in education beyond teaching,” Jacobsen says. “She still wants to teach but it’s important, especially for a first-generation college student like LaShawn, to learn about the potential she can have to really influence the field.”

The College of Education has developed a system for preparing urban educators from the ground up, reaching out to youth with a spark for teaching while they are still in high school and exposing teacher candidates to prospects in research and administration before they even land their first jobs.

James Patterson and his wife Susan have funded various scholarship programs at the institutions from which they graduated, Manhattan College, Vanderbilt University and the University of Wisconsin. He decided to explore an investment at MSU because of its strong reputation for teacher education.

And alumni like Alexandria Sullens, ’11, said she definitely picked the right place. The Detroit native was going to be an engineer until she attended the Summer High School Scholars program at MSU and began to see the impact she could have in students’ lives. Her experiences as a UECP member, summer fellow and intern confirmed that teaching is absolutely what she wants to do.

“A lot of the kids in Detroit are extremely bright and talented and they have so many circumstances they go through,” says Sullens, who began her job as a 9th grade math teacher at Detroit’s King High School this fall. “I was one of those kids. It’s phenomenal that people are now starting to see that we need more and better trained teachers in urban areas. I don’t see myself anywhere else.”

►Nicole Geary is communications director in the College of Education at Michigan State University. She graduated from the MSU School of Journalism in 2003. Alumna Lauren Mehringer, ’12, contributed to this report.

Urban education at MSU: A pipeline of programs

Pre-college
► Summer High School Scholars Program

Undergraduate
► Urban Educators Cohort Program (freshman & sophomore years)
► Urban Educators Fellowship (summer before junior or senior year)
► Internship (fifth-year of teacher preparation program)

Graduate
► W.K. Kellogg Foundation Woodrow Wilson Michigan Teaching Fellowship (post-BA teacher certification in math & science)
► Doctoral Urban Specialization
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January 16-27
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MARCH 2013
March 9-16
Hawaiian Cruise
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APRIL 2013
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April 21-30
Spain – Barcelona and San Sebastian
Spartan Pathways Tour
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April 25-May 3
Village Life in Dordogne
Spartan Pathways Tour
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One measure of a world-class university is its endowments. At MSU, the endowments take many different forms and achieve a variety of dreams.
What sounds like a punchline is actually a diverse sampling of MSU success stories that have resulted from endowments. Not widely known to the public, but much appreciated by the university, endowments can be described as the enduring, multi-strand, green-and-white cords that enable MSU to package big dreams.

Endowments are investments in MSU’s future, designed to last forever as perpetual sources of support for a variety of purposes. They add prestige to the university. They range from scholarships, fellowships and professorships to centers, research labs, gardens and even manorial estates.

“Strong institutions have strong endowments,” says Bob Groves, vice president for University Advancement. “When alumni and friends establish endowments they simultaneously accomplish three important things. One, they provide a permanent source of funding focused on a university program they feel strongly about. Secondly, they make a difference, in perpetuity, in the lives of people who benefit from the university’s education, research and service missions. Finally, they are able to honor a favorite faculty member, colleague or loved one by establishing a permanent memorial in their name.”

Endowed chairs and professorships recognize excellence in research and scholarship and form the backbone of world-class universities. These positions serve the department, the college and the university in many ways, including its standing in various academic rankings. Such distinctions can elevate MSU’s standing in a particular discipline and can even be the tipping point for success among a field of qualified applicants for research grants and for publication in academic journals. An endowed position offers flexibility for the faculty member, particularly the ability to attract and provide research funds for outstanding graduate students plus the freedom to pursue new areas of research, laying the groundwork for significant research grants in the future.
Dr. Andrea Amalfitano, ’84, PhD ’89, DO ’90, professor of pediatrics, microbiology and molecular genetics, exemplifies how endowments support faculty positions. Amalfitano is the first person to hold the Osteopathic Heritage Foundation Endowed Chair in MSU’s College of Osteopathic Medicine.

One of the nation’s leading genetic scientists, Amalfitano returned to MSU after working at Duke University Medical Center, the Mayo Clinic, and the C.S. Mott Children’s Hospital at the University of Michigan.

Amalfitano brings an all-inclusive approach to his work at MSU. He is a practicing physician and diagnostician, a professor teaching both undergraduates and medical students, and the leader of a research team whose efforts seek new approaches and methods for treating diseases. Amalfitano’s lab focuses on the feasibility of gene transfer to treat both genetic and non-genetic diseases. His team developed a uniquely improved gene transfer vector and has published multiple papers highlighting their progress in safely and efficiently delivering genetic information into living organs. The Amalfitano team is investigating the use of its gene transfer vectors in vaccine applications to target such diseases as HIV, malaria, C. difficile, plus cancers of the colon, breast, head and neck.

In January, the Big Ten Network’s Impact the World series featured Amalfitano’s successful diagnosis and treatment of Pompe disease, a form of muscular dystrophy, in a two-year-old patient. If not caught early, this genetic disorder can be fatal. Fortunately for the young patient, Amalfitano not only was able to correctly diagnose the rare condition, but also is one of the foremost experts on how to help the child. Amalfitano and a team at Duke University conducted the first successful clinical trials of a treatment for Pompe.

Amalfitano says that his clinical work is invaluable to his research. “I learn from my patients,” he says. “My work as a physician helps me to understand the complexity and intricacies of the kinds of conditions we are attempting to find answers for in our lab.”

Because of the endowed chair established through a $1.5 million grant from the Osteopathic Heritage Foundation, MSU undergraduates and medical students have the chance to learn from one of the nation’s leading experts in the diagnosis and treatment of genetic diseases, children in Amalfitano’s pediatrics practice in Michigan receive excellent medical care, and upcoming young scientists in his lab are participating in exciting research to address some of the world’s pressing health problems.
MSU programs also benefit from endowment. While most such programs fall within MSU’s traditional education mission, there are exceptions. In late 2011, $5 million in endowment gifts from members of the Demmer family established the John and Marnie Demmer Center for Business Transformation at MSU. The Demmers wished to help Michigan businesses get started, grow and thrive.

After leaving college in the early 1980s, Scott Schafer began milling wood in a barn on his family’s farm in Tecumseh. Schafer developed a local customer base that soon expanded as recognition of the quality of his work grew. Today, Schafer Hardwood Flooring Co. (schaferhardwoodflooring.com) has 45 full-time employees and a showroom and warehouse in Troy as well as in Tecumseh, where the products are made. They have also established distribution throughout the U.S. and Canada.

At about the same time the Demmer Center was opening at MSU, Scott Schafer recognized that his business had reached a turning point—the business might outgrow his management model. Schafer had already taken a class in lean manufacturing from Jim Manley, managing director of the Demmer Center. He was encouraged by Manley to come to the Demmer Center to gain assistance in moving his company to the next level. “Scott’s business is poised to grow and is a perfect candidate for training in lean production, total quality management and strategic business mapping, which are the core of what we are offering to Michigan businesses,” says Manley. Schafer, his leadership team, production team, sales team and other staff have been involved in the training.

“Up to now, everything was in Scott’s head,” says Manley. “The entire operation from production to quality control to material ordering. We helped them to identify ways that they can standardize processes in a lean manufacturing system and expand the business.”

“A few months working with Jim Manley and his graduate student, Rahul Seelam, we’ve made excellent progress,” says Schafer. “My entire team is significantly more conscious about avoiding waste in motion and waste of raw material. They are conscious about avoiding reworking, and production is much more efficient.” Schafer said that in one visit to the plant, Seelam was about to point out changes in layout to improve productivity.

“The timing for us was perfect,” says Schafer. “We were planning to put in a whole new line of equipment. Now we also have the knowledge to change the plant layout for a more efficient and lean operation.”

“I can envision the business growing by nearly 50 percent over the next 10 years,” says Manley. “That is Scott’s ambition, and I believe they can accomplish it.”

The endowment fund established by the Demmer family gives Michigan entrepreneurs and small businesses a place to turn for the training and expertise to help them transform and learn how to grow and improve their ability to compete.
W.K. Kellogg and his wife, Dr. Carrie Staines Kellogg, built a home on the highest point overlooking Gull Lake in Hickory Corners in 1925-26. The 32-acre estate was their summer home from 1926 to 1942. The property was lent to the U.S. military during World War II to serve wounded veterans. In 1952 the W.K. Kellogg Foundation deeded this estate to MSU, and together with other properties previously deeded to MSU, created the Kellogg Biological Station and Kellogg Research Forest. The home, now called the Manor House, served as offices for education and outreach activities at the newly formed research station.

In 1999 the Kellogg Foundation awarded $3.5 million to MSU to restore the Manor House and estate so that it could have a broader community use. Roof tiles were replaced, Rookwood tiles restored, leaded glass windows repaired, and it was furnished to reflect the style and grandeur of the home when the Kelloggs lived there. The Tudor revival structure now serves as a stately venue for a variety of public and private events, welcoming over 8,000 visitors annually for tours, teas, dinners, celebrations and business and professional meetings.

In 2012, the W.K. Kellogg Foundation established a $1 million endowment for maintaining and sustaining the Manor House and Estate (carriage house, caretaker’s house, boathouse, greenhouse, conservatory, windmill, grounds and gardens). MSU will leverage the foundation’s funding to raise another $500,000 to bring the endowment to $1.5 million. In addition to providing for care and maintenance of the property, the endowment funds student internships. Interns will work on projects related to the history and legacy of the estate, enhance the grounds and property, and assist with the development of programs that showcase the history of the estate and its founder, W.K. Kellogg.

Endowments for bricks-and-mortar are rarer than for other purposes. The Kellogg Foundation endowment in this instance is an example of one of the best uses of endowment for facilities—to provide for the care and maintenance of historic or architecturally significant sites and to involve students in projects that will enhance the property and develop the students’ appreciation of the estate’s history. This endowment will ensure that the Kellogg Manor House and Estate will continue to welcome people from diverse backgrounds to experience the elegance of the Kellogg family summer estate and learn of W.K. Kellogg’s legacy.
Scholarships

The most popular of all endowment gifts is for student scholarship. MSU was surprised just a few years ago with an anonymous gift of $10 million, primarily to be used for student support. The university leadership leveraged $7 million of that gift as matching funds and challenged alumni, faculty and friends to endow scholarships and fellowships. The response was overwhelming—152 undergraduate scholarship funds and 11 graduate fellowships were created with endowment funds totaling some $15 million. As long as there is a Michigan State University, there will be students gratefully receiving scholarships because of the strong response to the Spartan Scholarship Challenge and the Spartan Cornerstone Challenge of the early 21st century.

Endowment at MSU

The way an endowment works is that the principal gift is invested in the university Common Investment Fund. A portion of the interest earned is expended to achieve the goals of the endowment. The endowment fund retains the principal plus any additional interest above the university’s spending rate (currently 5 percent of principal). Thus, the following year will see growth in the expendable amount because of the growth in the investment.

MSU does not have a long history of raising endowment funds. Early gifts were rare, donor-inspired occasions. For most of our history, MSU relied on its standing as a public land-grant university and on funding from state and federal sources as well as from tuition and fees. Today, however, MSU is making a strong effort to build our endowment in order to secure student scholarships and graduate fellowships to ease the financial burden on future generations of Spartans. MSU is also creating the endowed faculty positions that a world-class research university needs to be competitive in attracting the best and brightest faculty and students who want to work with others at the very top of their field.

Spartan alumni and friends have many options to help build MSU’s endowment. An individual or organization can create a new named fund (e.g. The John and Mary Spartan Endowed Scholarship) for a gift of $30,000 or more. Some groups—regional alumni clubs or groups of friends—raise money or pool their resources to create an endowment to support students from their area or to honor a favorite professor. The university, as well as most of the colleges and non-college units (like WKAR broadcasting), have discretionary endowment funds that can be used to support ongoing or urgent needs. There is no minimum for contributing to these or other existing endowment funds.

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Help Secure a Stronger Future for MSU

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CAN LAST YEAR’S SUCCESS CARRY OVER TO 2012-13?

By Robert Bao

Tom Izzo believes all the positive results from last year—including two championship banners—will carry over to this season.

MSU could well be in the thick of another championship race, after a surprising run last year that saw the Spartans win the Big Ten title, win the Big Ten tournament title and earn a No. 1 seed in the NCAA tournament.

“Last year was a wonderful year, and I think you can build off that,” says Tom Izzo, entering his 16th season as head coach. “We learned how to play together again and I think we learned that to win championships you’ve got to have chemistry and camaraderie.”

Much of last year’s success fed off the leadership from seniors Draymond Green and Austin Thornton. Green, the Big Ten Player of the Year, also earned the league’s Jesse Owens Athlete of the Year—the first Spartan to win this honor since Ryan Miller in 2001. Izzo hopes younger players can emerge and become leaders—including junior guard Keith Appling, senior center Derrick Nix, and junior center Adreian Payne.

“I think Appling will have to do a lot of it,” says Izzo. “I hope (Travis) Trice and (Russell) Byrd are there too. The most difficult part for this year’s team is who steps up, who becomes the leader, who becomes the voice. Leadership has unfortunately been a little bit more by committee, which I don’t like, but they’ve been through last year so they’ve all been part of that success.”

Izzo believes Nix could emerge as a leader despite his misdemeanor arrest last spring and a history of weight issues. “He had a great year,” says Izzo. “He did everything we asked of him, kept his weight off, had a pretty good year academically—and then one hiccup,” says Izzo.

“It was hard trying to figure out what to do with him, besides killing him. But he learned from it and will be a better person because of it.

“He’s paid some dues so far, he’s gonna be paying more, but I’m pleased and proud to say that he’s really taking steps in the right direction.”

Izzo wants Nix to plateau around 260 pounds so he can take advantage of his quick feet. “I want him to stay at that weight,” he says. “Then he can learn how to play at that weight. He’s making progress. If he grows up and wakes up, he could be a leader. He’s got all the qualities.”

Izzo is pleased that both Payne and sophomore Brandan Kearney have added significant muscle weight to their frames. “Payne runs like a deer and will be a real valuable asset,” he notes. “He was playing his best basketball at the end of last year. Adreian has grown, has become a better leader, and having lived with Draymond last year, I think he gets it.”

Also very positive for Izzo is the news that Branden Dawson is “well ahead of schedule” in recovering from a torn ACL injury. Had Dawson been healthy, Izzo muses, MSU could well have made the Final Four last season. He says Trice is recovered from an injury last year. “Trice can pass, shoot and defend,” says
Izzo. “He’s a coach’s son and just knows how to play.” He believes both Byrd and Alex Gauna have made progress over the summer. And he believes the incoming class of four freshmen will contribute right away, with the possible exception of forward Ken Kaminski, who is recovering from a separated shoulder.

“It’s a really good, solid class that in some ways is not even rated as high as it could be,” he says. Here are some thumbnail sketches:

► Gary Harris—A McDonald All-American, “he’s a pure athlete—can score, can get in the lane and finish, can pass and can defend. I think he’ll be one of the better defensive guards we’ve had in awhile. Comes from a great family, good student.”

► Denzel Valentine—“Maybe one of the best passers we’ve had since Mateen and Magic, and he’s got size at 6-6. Good rebounder, goes on both ends of the court, not lightening quick but real smart. A gym rat. I love him.”

► Matt Costello—Michigan’s Mr. Basketball, “he’s a 4.3 student, he’s an incredible worker, about as good a guy as you wanna have, tougher than nails. He’s Mike Peplowski-strong and defensively is like Drew Naymick. Can score from 16 feet and his shot is good-looking but will get better.”

► Kenny Kaminski—“A 6-7 knock-down shooter from NBA range. Suffered a separated shoulder but after he came back averaged about 20 points.”

As usual, Izzo wants the 2012-13 Spartans to fast break at every opportunity. He has also maintained his usually tough schedule, beginning with the college basketball season opener Nov. 9 against UConn at Ramstein Air Base, Germany, to be telecast by ESPN. It will be the first time ever that a regular, non-exhibition college game is played overseas, and MSU figures to receive plenty of exposure. The Spartans will also play Kansas in Atlanta, at Miami for the Big Ten-ACC challenge, and then host Texas.

“So we’ve got a hell of a schedule and the Big Ten is going to be really good,” says Izzo.

“We’ll be in the mix,” predicts Izzo, who says he enjoys being picked high in the preseason polls. “Indiana will be the favorite. They have everyone back and then some, and will probably be in the national top three. I think Minnesota, Michigan, and as always, Wisconsin and Ohio State, and us are going to be the teams (to beat).”

Returning as assistants are Associate Head Coach Dwayne Stephens, Dane Fife and Mike Garland.

Just as the men’s team needs to fill the void left by Draymond Green, the women’s basketball team needs to replace Lykendra Johnson’s rebounding prowess. Johnson, the 2011 Big Ten Defensive Player of the Year, was a force in the paint. Head Coach Suzy Merchant says several players will need to pick up the challenge.

“Her (Johnson) was really one of the best rebounders in the league, especially on offense,” says Merchant, who will look to several candidates—including sophomore forward Becca Mills and center Jasmine Hines—to pick up the slack. “The key for us is obviously to keep Madison Williams healthy.”

A 6-7 center, Williams was a McDonald’s All-American and the state’s Gatorade Player of the Year in 2010, but she sat out the last two seasons because of ACL injuries. “We’re going to take our time with her and make sure she gets into playing shape,” says Merchant. “We want to work on her lungs and her fitness level before asking her to do too much.”

Mills and Hines return with more experience and, hopefully, confidence. “We’re looking to move (forward) Annalise Pickrel to her natural position, which is a face-up four,” notes Merchant.
“We’ll be young this year but we have a team that’s very athletic,” notes Merchant. “We’ll be able to press a lot more on defense.”

Merchant sees Johnson bringing “athleticism, toughness and experience” to the team. Also on the backcourt are senior Jasmine Thomas and junior Klarissa Bell, who emerged last season as a defensive factor. “Klarissa had a breakthrough defensively last season,” says Merchant. “She’s letting herself go instead of playing not to make a mistake. She’s had a great summer and we expect her to pick up where she left off.”

On offense, MSU will miss the offensive production of Porsche Poole, last year’s team co-MVP with Lykendra Johnson. But some of MSU’s incoming freshmen might help make up the deficit. Freshmen Aerial Powers from Detroit Country Day and Branndais Agee from Cass Tech bring some athletic excitement to the mix. “Aerial can elevate, create her own shot,” says Merchant. “She’s a powerful player. Brandie has a great motor and is like Cetera (Washington, ’11), only with more offense.”

Rounding out the freshman class is Mariah Harris and Cara Miller. Assisting Merchant are new assistant Simons, Tempie Brown and NcKell Copeland.

THE ICEMEN COMETH

This season second-year Coach Tom Anastos will deploy one of the youngest ice hockey teams ever. MSU has 12 newcomers—including two transfers. “This will be one of our most inexperienced teams in recent memory,” says Anastos, who notes that the group boasts four NHL draftees. “We’ll be bigger, especially on defense, and we’ll be faster and more physical than last year,” he notes. MSU returns goalie Will Yanakeff, along with some stalwart players like Jake Chelios, Chris Forfar, Anthony Hayes and Greg Wolfe. “We need some leaders to emerge,” says Anastos. “But we’ve got to have some patience.” Assisting Anastos are Tom Newton and Kelly Miller. This will be MSU’s last season competing in the CCHA; next year the Spartans will skate in the new Big Ten Conference league.

A.D. OF THE YEAR

MSU’s Mark Hollis has been named the 2012 Athletic Director of the Year by Street & Smith’s SportsBusiness Journal/Daily. Hollis was honored on May 23 at a ceremony in New York City. “Individual awards are difficult to accept in higher education and athletics; however, they do recognize the innovation and teamwork necessary to achieve success,” says Hollis, who is credited with last fall’s Carrier Classic, the first basketball game on the flight deck of an aircraft carrier. Hollis also masterminded such world-record-setting events as the “BasketBowl” and the “Cold War.” In 2011-12, MSU won the Big Ten Legends Division in football, beat Georgia in the Outback Bowl, won the Big Ten Tournament Championship in men’s basketball and won three Big Ten Championships (women’s cross country, men’s basketball and women’s golf). Last spring MSU athletes posted the highest GPA in program history. Hollis is chair of the Division I Amateurism Cabinet, a member of the NCAA’s Men’s Basketball Issues Committee and a member of the Division I Men’s Basketball Committee.
HEART OF A SPARTAN—
MSU football’s back to back 11-win seasons in 2010 and 2011 under Mark Dantonio has inspired a new book, Heart of a Spartan: The Story of a Michigan State Football Renaissance (Sport Community Publishing, 2012). The 288-page book was written by Jack Ebling, ’73, ’75, a three-time Michigan Sportswriter of the Year and a 2006 inductee into the Greater Lansing Area Sports Hall of Fame. A former sportswriter for the Lansing State Journal and host of several radio shows, Ebling has written six previous books—including books covering MSU’s 1987 Rose Bowl season and Jud Heathcote and the Magic Johnson era’s at MSU. The winner of 21 journalism awards, he is currently editor of the Greater Lansing Sport magazine and columnist for 247Sports’ Spartan Tailgate website. For more information, visit heartofaspartanbook.com.

SPARTAN SPORTS NETWORK 24/7—
Beginning this fall, MSU sports fans will be able to access the Spartan Radio Network (SRN) on a 24/7 basis. No matter where one lives, one can listen to MSU radio broadcasts—as well as press conferences, coaches’ shows and other original programming—via the Internet. “Our format is all Spartans, all the time,” says Will Tieman, SRN president. “We want to celebrate the rich tradition of Spartan athletics and give MSU fans around the globe every opportunity to follow their teams.” Predicts Mark Hollis, MSU athletics director: “This will certainly become a destination for all Spartan fans.” In 2010 SRN launched a mobile app that has been downloaded more than 70,000 times. For more information, visit spartansportsnetwork.com.

BASEBALL MAKES NCAA TOURNAMENT—
For the first time in 33 years, the MSU baseball team made it to the NCAA Tournament. The Spartans (37-21) earned a No. 3 seed in the Palo Alto Regional in California—a sweet triumph for fourth-year Head Coach Jake Boss, Jr., and assistants Mark Van Ameyde, Graham Sikes and Jake Boss, Sr. MSU previously made postseason play in 1954, 1971, 1978 and 1979. The Spartans have now achieved 30-game winning seasons for three straight years. “I think this was the next step,” says Boss (left, with Boss, Sr.). “I think it validates all of the hard work our guys have put in and the priority that they put on every game this year, including the midweek games and the early-season games where it was our first chance to play outside.”
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SPARTANS WILL MAKE HISTORY 2012

HOMECOMING MICHIGAN STATE UNIVERSITY
CINCINNATI, OH—Jun. 8: About 44 area Spartans attended the Detroit Tigers vs. Cincinnati Reds baseball game at Great American Ballpark.

DC SPARTANS—Jun. 20: About 65 area Spartans gathered for a summer kickoff happy hour with UM and University Row at the Sign of the Whale, Washington, DC. The event helped raise $575 for the Rachel P. Kahn Memorial Scholarship. May 19: About a dozen area Spartans participated in the Hands-On-DC Workathon, spending the day at Maury Elementary School (see photo).

DETROIT SPARTANS—May 5: More than a dozen area Spartans participated in a “Clean the D” team-building experience by cleaning an area along 8 Mile Road. The team picked up litter, did some painting and repaired fences.

EASTERN WAYNE COUNTY—Apr. 27: About 185 area Spartans attended a Spring Football tailgate at the Grosse Pointe Yacht Club. Special guests included George Blaha, MSU football play-by-play announcer, seen in the photo with MSU cheerleaders and the club’s board members. About $1,000 was raised for MSU scholarships and book awards.

GREATER ATLANTA, GA— May 10: About 120 area Spartans attended a golf outing at Windemere Country Club, Atlanta. Special guests included MSU Athletics Director Mark Hollis, Head Football Coach Mark Dantonio (see photo), and NFL Hall of Fame Kicker Morten Anderson. Funds were raised for the club’s endowed scholarship fund.

JACKSON—Jun. 3: About 15 area Spartans marched with Sparty in the annual Rose Parade during the Jackson County Rose Festival.


SACRAMENTO, CA—June 3: About 15 area Spartans gathered for the Sacramento Area’s Big Ten Alumni Picnic, a day of food, games and getting to know fellow Spartans. Apr. 29: About 30 area Spartans attended the debut of RX, a romantic comedy at the B Street Theatre, as well as the cast party after the show.
SPACE COAST, FL—Jun. 9: About 24 area Spartans attended the annual membership meeting held at Lone Cabbage Fish camp and Airboat ride. Mar. 28: About 16 area Spartans attended the monthly Ladies Lunch at the Yellow Dog Café, Malabar.


SAN ANTONIO, TX—May 19: About 18 area Spartans attended a Putt-Putt tournament at Monster Mini-Golf. Winners were (l to r) Mike Fecher, Letitia Fecher, Jon Riley and Matthew Suarez.

SAN FRANCISCO BAY—Apr. 14: About 15 area Spartans volunteered to work as food sorters in the San Francisco food bank.

CONSTITUENT ASSOCIATIONS

EDUCATION—Apr. 14: About 500 area Spartans attended a reception in Vancouver, BC, hosted by the MSU College of Education at the American Education Research Association’s annual meeting. Special guests included Dean Donald Heller and the college band, Against School Violence.


NATURAL SCIENCE—Apr. 14: Almost 100 area Spartans attended Science University, an insider’s look at MSU’s science research and education. Special guests included College of Natural Science faculty members Brian Hampton, Jennifer Lau, Phil Duxbury, Chris Adami and Gregg Howe. Apr. 13: About 85 area Spartans gathered for the college alumni association’s annual awards program to recognize outstanding alumni, faculty and students. Special guests included Outstanding Alumni Award winner Bobby L. Wilson and Meritorious Faculty Award winner Dr. Gary Westfall (see photo). Apr. 12: About 70 area Spartans gathered for a reception and dinner at the Ronald H. and Mary E. Simon Actuarial Science Lecture. Special guests included Ronald and Mary Simon and keynote speaker Emiliano Valdez, professor of actuarial science at the University of Connecticut.

ALUMNI INTEREST GROUP

MSU ALUMNI BAND—Apr. 29: About 80 area Spartans gathered for the annual MSU Alumni Concert Band Spring Reunion. Special guests included current MSU Director of Bands Kevin Sedatole; current SMB Director John T. Madden; retired MSU Associate Director of Bands and Director of the SMB Dave Catron; Vice President of the MSU Alumni Band and current band director at Charlotte Junior High School Stacie Detgen; and Beryl Falcone, widow of renowned MSU Director of Bands Leonard Falcone.
GOLFING SPARTANS—
John Lozier (left) and Roger Tremblay, organizers of the MSU alumni golf outing in Dallas, TX, have acquired a new hobby—to play in every MSU golf outing around the country. The two met in McDonel Hall in 1966 while students at MSU. In the last three years, they have played just about every MSU outing, ranging from Atlanta, GA, to Huntington Beach, CA. “We played great golf courses and had a lot of fun,” says Lozier. “There were Spartans everywhere you looked!”

STUDY ABROAD—
Jul.: Max Olivero and Danni Klein hold the MSU flag at the Dutch national monument in Amsterdam. They were among 17 students in James Madison College’s gender studies Study Abroad class.

SPARTY WEDDING—Jun. 8: Sparty was a surprise guest at the wedding of Dustan June, ’00, and Lauren Jones at the Italian American Banquet and Conference Center, Livonia, MI. Last year MSU’s popular mascot attended 73 wedding receptions among some 516 events in 12 states. For more information, visit saf.msu.edu/sparty.

TOP OF THE WORLD—Aug. 14: MSU senior Clayton Meyers and freshman Janaan Meyers, siblings from Cedarville, displayed the “S” flag on top of the Mackinac Bridge, proving that Spartan spirit prevails over all Michigan—whether in the Upper or Lower peninsula, or whether down on the ground or up in the air.
When Kimberly Henderson, ’98, went to MSU, she struggled to find funding and had to work two or three jobs. She made a promise to herself that once she graduated she’d find a way to help future Spartans.

Through MSU Black Alumni (MSUBA), an alumni interest group affiliated with the MSU Alumni Association, she has found a way to keep her promise. During The Campaign for MSU, the group set and achieved their goal to grow their scholarship endowments to $1 million. Kimberly serves as the scholarship co-chairperson, a job that involves helping future Spartans in a big way.

This year was the group’s biggest year ever with 56 students receiving assistance from the MSUBA. “When I first started we gave out 10 or 12 scholarships, but now since we have a million-dollar-plus endowment, it’s an honor to be able to grant that type of money to students,” says Kimberly.

Amanda Peoples, a senior from Detroit, remembers well the strain of applying for scholarships and hoping for positive answers when she was in high school. Receiving assistance from the MSUBA has been life-changing, she says. “Just getting a scholarship made me feel more confident and happy that college

By Lois Furry

56 REASONS TO JOIN:
A SCHOLARSHIP MISSION

Some of the 56 MSUBA 2012 student scholarship recipients gathered around The Spartan statue just prior to meeting with scholarship committee co-chairs Kimberly Henderson (upper right) and Jennifer Wallace (center).
can somehow be taken care of and it would be less of a burden to my parents,” she says.

Every student who receives an MSUBA scholarship receives more than just financial assistance. The students meet once each semester with MSUBA leaders who offer support and advice.

They couldn’t have a more dynamic and committed set of coaches than Kimberly and Jennifer Wallace. ’86, Kimberly’s counterpart on the MSUBA scholarship committee.

“Our goal is not only to get them in, but to get them out with a couple of mortarboards,” says Jennifer. “They know they are not here alone, we are not going to let them fall between the cracks.”

Senior Jensine Leung says she is grateful for the financial assistance she received from MSUBA including some extra funding which made her dream of a Study Abroad experience possible. But the personal support has also been a big help to her. “It gave me a lot of confidence just to know that these people are backing me up and they’re there for me,” Jensine says.

Fellow scholarship recipient Antonio Evans, a junior from Farmington, agrees. “I think the MSUBA does a great job of supporting, I think that not only do they give out financial support, but they give out emotional support, they give out educational support, they make sure that your whole college experience is something to remember.”

The MSUBA also works to build the next generation of mentors and donors. Community service is required for all scholarship recipients.

“Through their giving I’ve realized how important it is to give back to the community,” says Jensine.

The connection with MSUBA doesn’t end with graduation. Graduates receive a complimentary membership in the MSUBA and are encouraged to be active in the group, and especially with ongoing fundraising efforts to provide more scholarships.

Byron Hester, a junior from Lansing, already sees the value of staying engaged with MSU and the MSUBA. “I realized this is a huge organization,” he says. “They actually stay around and help you throughout your higher education career, help you get jobs…it’s a networking thing too.”

He says he definitely plans on joining the MSUBA and donating to the scholarship funds in the future.

That’s exactly what Jennifer Wallace loves to hear. “We want them to come, because we’re building our future,” she says. “They’re our growth, they’re our future, so we have to teach them how to grow and teach them how to share.”

Amanda Peoples seems to have learned the lesson. She says, “It definitely will be important to me to give back because I feel that young people are the future and they all have potential. If you just help them out, they can get to wherever they want to go. More than likely I will be donating to MSU and MSUBA.”

Scott Westerman, executive director of the MSU Alumni Association, considers himself an evangelist. He preaches Spartanhood.

His latest coup goes a long way toward that goal. In the past year, he helped fund an alumni effort to get personalized MSU license plates . . . in the state of Texas.

The campaign succeeded and indeed, one can now get personalized MSU plates deep in the heart of the Longhorn state. Similar efforts to spread the Spartan gospel are ongoing elsewhere, including Pennsylvania and Georgia, although they have not yet reached stampede level.

“Spartan brand equity knows no borders,” says Westerman, who approved a grant for the alumni clubs in Dallas, Houston, Austin, San Antonio and El Paso to pursue this goal. “And our alumni are always looking for new ways to represent.”

In March, barely a year after the effort began, Texas officially approved the issuance of MSU plates by a private company, MyPlates.com. Since then, more than 150 MSU-related plates have been sold, raising nearly $3,000 in revenues for MSU, according to the company.

Chris Horner, president of the Dallas/Fort Worth alumni club and former chairperson of the national alumni board, spearheaded the drive.

“One advantage was that we have alumni and clubs throughout the state and everyone got together for this to get the necessary signatures,” he explains. “It was a long process. The plate design had to pass readability tests and so on. But it was worth it.”

A couple of other Big Ten schools also enjoy specialized plates there, but as Horner puts it, “The University of Michigan doesn’t have a plate in Texas, but I have a feeling they’re working on it.”

The Texas success story is music to the ears of Kim Kittleman, MSUAA director for major market engagement, who is based in Birmingham, AL. “It’s impressive how quickly they were able to
pull this off,” says Kittleman. “Personally I think the Texas plate has the coolest design.”

So does Meredith DeMaagd (SHDWS), a former member of the Spartan Marching Band, who says, “My friends who still live in Michigan have told me that they like Texas’ MSU plates better than Michigan’s.”

Bob Nelson, president of the Spartan Plates, a group of people who have personalized MSU plates and meet on campus every year, is delighted with the development. The Spartan Plates was founded in 1979 and now boasts more than 470 members—including Westerman (MSUAA) and Jim Foley (MSU ZEKE), who handles Zeke the Wonder Dog (see group photo).

“Most of us, but not all, are from Michigan,” says Nelson. “We meet once a year. It’s not enough to have the S plate—your plate needs to be a personalized message that is MSU related.”

Some examples—GO MSU, STATE, 4IZZO, SPAR10, I LOV MSU, MICHST, etc. Some have simply MSU and their graduation year.

As far as the university fundraising plates in Michigan—the MSU plate features the block S—it is clear that Michigan State is the university of Michigan, as a popular bumper sticker proclaims. Since the program started in 2000, MSU has led the way.

As of May 2012, there are 41,865 MSU plates on passenger cars, by far the top seller of the 15 university fundraising plates in the state. The University of Michigan is second with 28,221, according to statistics furnished by Paul Kelly, the expenditure section manager of the Secretary of State office.

Tom Roth, ’75, who lives in Houston, is very excited with his new MSU plates (TRR 75). “I can’t tell you how many people I’ve met, whether in a grocery store or at a restaurant,” he says. “Complete strangers have come up to me and said, ‘Wow, what a good looking plate.’

“Whoever made this possible should be applauded.”

The applause should go to all Spartans who believe in the cause and care enough to help shepherd the MSU plate availability into reality—including Horner, Kittleman and Westerman.

“Projects like these fit perfectly into our mission,” says Westerman. “We help Spartans do great things to enhance and amplify the institution.”

Yes, well said. Now it’s time to let the world know that ST8 IS GR8.
“Thank you to the newest members of MSU’s giving societies listed here for your extraordinary support of Michigan State University. Your gifts further our land-grant mission to advance higher education built on cutting-edge research and engagement for the public good. Your recognition in MSU’s giving societies acknowledges and affirms your commitment to the unique, critical role that MSU plays in the world today. You are joining over 6,000 other donor society members who recognize that Michigan State University must lead Michigan, our nation, and the world in achieving a redefinition—a revitalization—of the covenant we continue to share with society.”
The following individuals and organizations have made a significant financial commitment to Michigan State University, qualifying them for lifetime recognition in one of the university’s ten donor societies.

**Williams Society**

Joseph R. Williams, the first president of “The Agricultural College of the State of Michigan,” displayed a dedication to the college’s success that began building the strong foundation for what is today Michigan State University.

William and Linda Demmer
East Lansing, Michigan

**Wharton Society**

Clifton R. Wharton became MSU’s fourteenth president in 1970. His tenure was marked by successful efforts to maintain the quality of MSU’s academic programs, commitment to the education of the economically and educationally disadvantaged, and the integration of the School of Osteopathic Medicine with the other medical schools. The Wharton Center for Performing Arts, dedicated in 1982, was named in honor of Wharton and his wife Dolores, in recognition of their strong support for the project.

Dr. Bruce J. and Linda W. Cohen
Weston, Florida

Ron and Sharon Rogowski
Crystal Lake, Illinois

**Kedzie Society**

Frank S. Kedzie, the eighth president of MSU, is considered a pioneer for private support to the university. The Kedzie Society is one of the university’s most prestigious donor recognition groups.

EskoArtwork
Howard and Viv Ballein
East Lansing, Michigan

Charles and Kathleene Bonneau
East Lansing, Michigan

Edward and Laura Demmer
Lansing, Michigan

George and Maryanne Eyde
Okemos, Michigan

George E. Eyster, VMD and Janet T. Eyster, Ph.D.
Williamston, Michigan

Earvin and Cookie Johnson
Beverly Hills, California

Spencer and Julianne Johnson
Okemos, Michigan

Terry and Cindy Lanzen
Troy, Michigan

Barbara and Ben Maibach III
Farmington, Michigan

Randall G. Petersen
Ferndale, Michigan

Steve and Brenda Ramsby
East Lansing, Michigan

Jane Ranney, Ph.D.
Carolina Beach, North Carolina

Listing includes new society members from July 1, 2011 to June 30, 2012
Shaw Society

President Robert S. Shaw served as the eleventh president of MSU, introducing new courses including Hotel Administration, Public Administration, Geology, Geography and Physical Education for women.

Leslie and John Behm
Okemos, Michigan

Jeffrey Boromisa and Laura Alberts-Boromisa
Portage, Michigan

Dr. John Faust
Lansing, Michigan

Dr. John (Jake) Ferris and Dr. Maxine S. Ferris
East Lansing, Michigan

Robert and Carol Gerbel
Saint Joseph, Michigan

Dr. Gordon E. and Mary G. Guyer
East Lansing, Michigan

William and Julie Guzy
Hickory Corners, Michigan

Tom and Lupe Izzo
East Lansing, Michigan

Mr. and Mrs. William G. Janis
Traverse City, Michigan

Doug and Ginny Jewell
Tucson, Arizona

Diane Neal
San Francisco, California

The Honorable Carl H. Schwartzkopf
Conway, South Carolina

Mary Ellen Sheets and Tom Amiss
East Lansing, Michigan

Joseph W. Thomas and Jamie Ann MacKercher
Troy, Michigan

Jim and Sharon Turnas
Sterling Heights, Michigan

Lori Talsky and Alan Zekelman
Bloomfield Hills, Michigan

$250,000 or $1,000,000 Planned Gift

Abbot Society

The Abbot Society was established to honor one of the first presidents of MSU, Theophilus C. Abbot, who led the university from 1862 to 1885. Abbot promoted growth, secured critical government appropriations and furthered MSU's prestige as the nation's first agricultural college.

The Budres Foundation
Hunt for a Cure
Ternes
Dr. Ernie and Leanne Balcueva
Saginaw, Michigan

Bruce Bordine
Clarkston, Michigan

Jeffrey Boromisa and Laura Alberts-Boromisa
Portage, Michigan

Dr. Donald J. and Terry L. Bowersox
Lady Lake, Florida

Kirk and Patti Brannock
Bloomfield Hills, Michigan

Norm and Rosemary Byrne
Rockford, Michigan

Amien A. Carter
Saginaw, Michigan

Marjorie Coneybeare
Fernandina Beach, Florida

Roger and Shelia Conrad
Lansing, Michigan

Kevin Doyle
Norwalk, Ohio

Kris and Jennifer Elliott
East Lansing, Michigan

Irwin L. and Judith L. Elson
Bloomfield Hills, Michigan

Randy and Cheryl Fedewa
DeWitt, Michigan

Robert and Carol Gerbel
Saint Joseph, Michigan

Charles and Marjorie Gliozzo
East Lansing, Michigan

Howard J. Gourwitz
Bloomfield Hills, Michigan

Lauren Julius Harris
East Lansing, Michigan

Mike and Lanae Kettlewell
DeWitt, Michigan

John and Vivienne Kreer
East Lansing, Michigan

Blake and Mary Krueger
Grand Rapids, Michigan

F. Edward and Carol J. Lake
Phoenix, Arizona

Sean and Shannon Lapekas
Carmel, Indiana

Bruce R. Leech
Chicago, Illinois

David and Sheryl Livingston
Grand Rapids, Michigan

Merritt and Candy Lutz
New York, New York

Will and Sarah Maldonado
Okemos, Michigan

Richard A. and Jane C. Manoogian
Taylor, Michigan

Mike and Nancy McLelland
Berwyn, Pennsylvania

Gerry, Marti and Andre Myers
Flushing, Michigan

Mr. and Mrs. Terrell R. Oetzel
East Lansing, Michigan

David and Francine Zick
Bloomfield Hills, Michigan

Gail and Barbara Riegle
Okemos, Michigan

Mary Ellen Sheets and Tom Amiss
East Lansing, Michigan

Alan and Shirley Brocker Sliker
Okemos, Michigan

Mr. and Mrs. Raymond Spinola
New Canaan, Connecticut

Leo and Marie Stevenson
Grosse Ile, Michigan

Richard and Joan Witter
Okemos, Michigan

Mark A. Young
Ann Arbor, Michigan

Okemos, Michigan

Austin, Texas
Snyder Society

Jonathan L. Snyder served in the role of MSU president from 1896 to 1915, transforming the office of the president with an aggressive administrative style that focused on innovation in higher education.

Myron T. and Lorene M. Abel
Kewadin, Michigan

Margaret J. Adams
Okemos, Michigan

Lois E. Alexander
Appleton, Wisconsin

Julie A. Avery and Stephen L. Stier
East Lansing, Michigan

Richard P. Baks
Lake Angelus, Michigan

Edward Read Barton
East Lansing, Michigan

Art C. Baryames
Lansing, Michigan

Robert and Tami Bauer
Grand Ledge, Michigan

Brian and Hope Bayer
Northville, Michigan

Thomas and Vicki Bernitt
Coronado, California

Governor Jim Blanchard and
Janet Blanchard
Beaver Hills, Michigan

Donald A. and Lavonne C. Bomel
Grand Blanc, Michigan

Mr. and Mrs. Christopher Bone
Pleasantville, New Jersey

Mr. and Mrs. Dennis and
Alexis Brannon
East Lansing, Michigan

Jere E. and Arlene Pintozi Brophy
Okemos, Michigan

Paul Buben
Grand Rapids, Michigan

Michael J. and Jamie K. Burwell
Bloomfield Hills, Michigan

John and Irene Cantlon
East Lansing, Michigan

Carl G. and Helen M. Card
Spring Hill, Florida

Bill and Joanne Church
New York, New York

Glen Brough and April Clobes
Bath, Michigan

Mr. Jeffrey S. deGraaf
Croton on Hudson, New York

Samuel DeRose
East Lansing, Michigan

Robert and Paula Driessnack
Edmonds, Washington

John Dykema and
Michele Maly Dykema
Grand Rapids, Michigan

William and Mary Ebbert
Clarkston, Michigan

Dr. and Mrs. Jeffrey M. Feld
Las Vegas, Nevada

Richard J. and M. Jacquelyn Fineberg
Alamo, California

Ron and Lorene Flinn
Holt, Michigan

Dick and Jan Fullmer
Caro, Michigan

Rick and Robin Franks
Northville, Michigan

Michael Gantos and Family
Grand Rapids, Michigan

Clinton D. Gardner and
Pamela S. Sedwick
Phoenix, Arizona

James and Carol Goetz
Kewadin, Michigan

Shawn and Terri Grady
Okemos, Michigan

Dr. and Mrs. James M. Grannell
Niles, Michigan

Velmar and Margaret Green
Elise, Michigan

Mr. R. Wayne and Mary Lee Gwiazdala
Orchard Lake, Michigan

Susan F. and Clifford H. Haka
East Lansing, Michigan

David and Jan Hayhow
Okemos, Michigan

James and Stefanie Hensley
Okemos, Michigan

James and Susan Herman
East Lansing, Michigan

Mr. Hugh Hickok
Okemos, Michigan

Steven H. Holtzman
Sudbury, Massachusetts

Herb and Margaret Hoover
Milford, Michigan

Larry and Constance Hudas
Orchard Lake, Michigan

Mr. and Mrs. Herman D. Hughes
Fayetteville, Georgia

Shigeo and Isako Imamura
Japan

Mike and Donna Jones
Howell, Michigan

Dr. Margaret Z. Jones and
Dr. John W. Jones
East Lansing, Michigan

Saroj K. Kapur, M.D.
East Lansing, Michigan

Paul and Rebecca Kennedy
Lansing, Michigan

Jacqueline A. Killingsworth
Okemos, Michigan

Drs. Amy Jean and Philip Knorr
Tucson, Arizona

Kevin and Christine Kovanda
Hartland, Michigan

Mary Jane Lacks
Grand Rapids, Michigan

Gil and Marty LaFare
Cornelius, North Carolina

F. Edward and Carol J. Lake
Phoenix, Arizona

Thomas and Judith Laronge
Battle Ground, Washington

James M. Larson
Saint Paul, Minnesota

Fred and Susan Leitert
Ashtabula, Ohio

Robert and Victoria Liggett Family
Grosse Pointe, Michigan

Aileen and Mick Lutz
Jackson, Michigan

The Lynd Family
San Antonio, Texas

Harry W. Maxwell
Kalamazoo, Michigan

John A. McCandless
Midland, Michigan

Mr. and Mrs. Patrick and
Victoria McPharlin
Laingsburg, Michigan

Wendy and Gary Merkey
Muskegon, Michigan

George and Betsy Merva
East Lansing, Michigan

Charles J. and Kathleen T. Miller
West Bloomfield, Michigan

Gary J. Milnarich and
Christine Silkwood
Houston, Texas

Michael and Gloria Morison
Highland Park, Illinois

Michael and Linda Morris
Northville, Michigan

Beth E. Mueller
East Lansing, Michigan

Karen and David Noe
East Lansing, Michigan

Robert and Karen Olstein
Greenwich, Connecticut

Linda M. Orlans
Birmingham, Michigan

Jim and Nancy Wells Osborn
Sausalito, California
$50,000 or $100,000 Planned Gift

**Hannah Society**

The Hannah Society honors the memory of President John A. Hannah, who served the university for 46 years, 28 of them as MSU’s twelfth president. He is revered by many and guided the university through its period of greatest physical and philosophical growth.

Dr. Archie and Mrs. Patricia Attarian
Grand Blanc, Michigan

James and Lori Baker
St. Louis, Michigan

Ken and Mary Baldwin
Northville, Michigan

Kurt and Sandy Carter
Haslett, Michigan

Errikos and Manya Constant
Okemos, Michigan

Mr. and Mrs. Paul T. Cook
Bellevue, Washington

Linda Crawford
Columbus, Ohio

Mr. and Mrs. Michael J. Curley
Lansing, Michigan

Donald F. and Katherine K. Dahlstrom
Grand Haven, Michigan

Lana Dart
Lansing, Michigan

Gary and Sandy Evans
Mason, Michigan

William and Lydia Falk
Arlington Heights, Illinois

Katherine R. Fishburn and Thomas A. Vogel
East Lansing, Michigan

Mr. and Mrs. Mark and Barbara Gerson
Grand Rapids, Michigan

Albert and Sharie Gladner
Southfield, Michigan

John and Lisa Gross
Saline, Michigan

Judge Michael G. Harrison and Deborah L. Harrison
East Lansing, Michigan

Gregory and Kathleen Hayes
Yorba Linda, California

Joseph and Pamela Hildebrand
Birmingham, Michigan

Dr. Gregory A. Holzhei
DeWitt, Michigan

Al and Claire (Stenehjem) Hopkins
Naples, Florida

John and Anne Hudzik
Williamston, Michigan

Donald and Carol Isleib
East Lansing, Michigan

Robert and Sandra Jaskolski Summit, New Jersey

Hari Kern
East Lansing, Michigan

Ms. Sandy Kilbourn and Dr. Gary DiStefano
Bath, Michigan

Harry L. and Lynda Peterson King
Sanibel, Florida

Rosemary Kuhn and Bryce Plapp
Iowa City, Iowa

Michael and Laura Marcero
Grosse Pointe, Michigan

Drs. Barbara F. and Douglas K. Mercer
Byron, Michigan

Henry M. Nelson
East Lansing, Michigan

Jules and Barbara Olsman
Huntington Woods, Michigan

Patrick and Nancy Paige
Ann Arbor, Michigan

Joseph E. Palazeti, D.O. and Mrs. Linda R. Palazeti
Owosso, Michigan

Nancy S. Passanante
East Lansing, Michigan

- Joseph E. Palazeti, D.O. and Mrs. Linda R. Palazeti
  Owosso, Michigan
- Jim and Anne Parker
  Brighton, Michigan
- Mr. and Mrs. Stephen J. Parks
  Grand Rapids, Michigan
- Roy and Diane Parrott
  Clarkston, Michigan
- Mr. and Mrs. Richard D. Paterson
  Houston, Texas
- Dr. John and Marietta Peters
  Lakewood, Colorado
- Mark and Theresa Piggott
  Grand Ledge, Michigan
- F. DeWitt and Dixie C. Platt
  East Lansing, Michigan
- C. Donald Powers
  Las Vegas, Nevada
- Dr. James E. Rodman
  Silverdale, Washington
- Sydney and Elizabeth Ross
  Bloomfield Hills, Michigan
- Mary Beth Scheffel
  East Lansing, Michigan
- Tim and Barb Schowalter
  Ada, Michigan
- Eric Neer and Pamela Neer Schultz
  Winnetka, Illinois
- Julie and Joe Serra
  Fenton, Michigan
- Alan and Shirley Brocker Sliker
  Okemos, Michigan
- Eric Snow
  Alpharetta, Georgia
- George and Judith Spanse
  Prospect Heights, Illinois
- Linda J. Spence, Ph.D.
  East Lansing, Michigan
- Lyle L. Stephens
  Punta Gorda, Florida
- Mr. and Mrs. Charles Stoddard
  Hickory Corners, Michigan
- Ralph V. Stoner, Jr.
  Grand Rapids, Michigan
- Robin A. Storm
  East Lansing, Michigan
- Clarence and Lorettta Suelter
  East Lansing, Michigan
- Leonard and Sharon Tabaka
  Wheaton, Illinois
- Mr. and Mrs. Brian J. Van Elslander
  Darien, Connecticut
- Steven and Sunday Wagner
  Chicago, Illinois
- Howard and Kay Weyers
  Okemos, Michigan
- Jeff and Terry Wilner
  Bloomfield Hills, Michigan
- Dr. Donald A. Yates and Dr. Joanne M. Yates
  Saint Helena, California
- Hannah Society
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- Dr. Archie and Mrs. Patricia Attarian
  Grand Blanc, Michigan
- James and Lori Baker
  St. Louis, Michigan
- Ken and Mary Baldwin
  Northville, Michigan
- Kurt and Sandy Carter
  Haslett, Michigan
- Errikos and Manya Constant
  Okemos, Michigan
- Mr. and Mrs. Paul T. Cook
  Bellevue, Washington
- Linda Crawford
  Columbus, Ohio
- Mr. and Mrs. Michael J. Curley
  Lansing, Michigan
- Donald F. and Katherine K. Dahlstrom
  Grand Haven, Michigan
- Lana Dart
  Lansing, Michigan
- Gary and Sandy Evans
  Mason, Michigan
- William and Lydia Falk
  Arlington Heights, Illinois
- Katherine R. Fishburn and Thomas A. Vogel
  East Lansing, Michigan
- Mr. and Mrs. Mark and Barbara Gerson
  Grand Rapids, Michigan
- Albert and Sharie Gladner
  Southfield, Michigan
- John and Lisa Gross
  Saline, Michigan
- Judge Michael G. Harrison and Deborah L. Harrison
  East Lansing, Michigan
- Gregory and Kathleen Hayes
  Yorba Linda, California
- Joseph and Pamela Hildebrand
  Birmingham, Michigan
- Dr. Gregory A. Holzhei
  DeWitt, Michigan
- Al and Claire (Stenehjem) Hopkins
  Naples, Florida
- John and Anne Hudzik
  Williamston, Michigan
- Donald and Carol Isleib
  East Lansing, Michigan
- Robert and Sandra Jaskolski Summit, New Jersey
- Hari Kern
  East Lansing, Michigan
- Ms. Sandy Kilbourn and Dr. Gary DiStefano
  Bath, Michigan
- Harry L. and Lynda Peterson King
  Sanibel, Florida
- Rosemary Kuhn and Bryce Plapp
  Iowa City, Iowa
- Michael and Laura Marcero
  Grosse Pointe, Michigan
- Drs. Barbara F. and Douglas K. Mercer
  Byron, Michigan
- Henry M. Nelson
  East Lansing, Michigan
- Jules and Barbara Olsman
  Huntington Woods, Michigan
- Patrick and Nancy Paige
  Ann Arbor, Michigan
- Joseph E. Palazeti, D.O. and Mrs. Linda R. Palazeti
  Owosso, Michigan
- Nancy S. Passanante
  East Lansing, Michigan
$25,000

Beaumont Tower Society
Chartered during the university’s first capital campaign, Beaumont Tower Society is named after the one landmark that so thoroughly symbolizes Michigan State University, its history and traditions.

Stella and Dean Aldo
Troy, Michigan
William G. Anderson, D.O.
Bingham Farms, Michigan
Christine and Gary Armbrrecht
Grand Rapids, Michigan
Peggy Bailey, Ph.D.
Ennis, Texas
Richard Barron
Flushing, Michigan
Richard and Susan Bingham
Traverse City, Michigan
Cara J. Boeff and Douglas A. Moffat
Lansing, Michigan
Andrew and Deborah Colman
Bloomfield Hills, Michigan
Anthony J. Conniff
Northville, Michigan
Donald and Diane Cook
San Antonio, Texas
Doris H. Dahl and Norman Huver
Grand Ledge, Michigan
Drs. Pierre and Deborah DePorre
Bloomfield Hills, Michigan
Robert and Deborah Dery
Livonia, Michigan
Thomas D. and Beverly E. DeShetler
Livonia, Michigan
Ms. Arica J. Drummond
Hayward, California
Dr. Dave Durham and
Dr. Ed Farnham
Grand Rapids, Michigan
Kari and Chris Durham
Katy, Texas
Rick and Mindy Emerson
East Lansing, Michigan
Doug and Sue Estry
Okemos, Michigan
Dr. Ned M. Fawaz
West Bloomfield, Michigan
Bill and Lois Fitzpatrick
Spring, Texas
Jim and Colleen Flynn
Birmingham, Michigan
Patrick and Jennifer Gillespie
East Lansing, Michigan
George and Susan Graeber
Mason, Michigan
Kelvin G. Grant, Ph.D.
Alma, Michigan
Andrew Greenlee
Lake Angelus, Michigan
Owen Gregg
Clearwater Beach, Florida
Dr. David and Dr. Phyllis Grummon
East Lansing, Michigan
Mr. Kenneth I. Hernandez and
Ms. Carmen I. Canales
Winston Salem, North Carolina
Dr. and Mrs. C. Jeffrey and
Ginna Holmes
Alma, Michigan
Jim and Anne Holycross
Livonia, Michigan
Hurand Family
Flint, Michigan
Charley and Lea Anne Janssen
Lansing, Michigan
David Kampschulte and
Dayle L. Maples, M.D.
Muskegon, Michigan
Nancy and William Keish, D.V.M.
Glastonbury, Connecticut
David and Sari Kelly
Acton, Massachusetts
Robert and Annette Konupek
Port Sanilac, Michigan
Randal and Susan Leslie
Plymouth, Michigan

David A. and Kay A. Pedersen
Bloomfield Hills, Michigan
Dean Peyton, D.O. and Jane Peyton
Azle, Texas
Mr. and Mrs. Kenneth Polakowski, Sr.
Charlevoix, Michigan
Michael Pruente, Jr.
Houston, Texas
Dr. Jerry F. and Jeanette M. Quinlan
Olathe, Kansas
Susan and Tim Rafferty
Brighton, Michigan
Mr. and Mrs. Timothy F. Shank
Augusta, Michigan
Thomas D. and Paulette B. Sharkey
East Lansing, Michigan
Sarah L. Shaw
Lansing, Michigan
Sandra and Joe Slaughter
Indianapolis, Indiana
Margaret E. Smith
Battle Creek, Michigan
Scott and Cassie Smith
Midland, Michigan
Linda O. Stanford and
Richard M. Stanford
East Lansing, Michigan
Fritz and Gretchen Stansell
Eagle Harbor, Michigan
Lyle L. Stephens
Punta Gorda, Florida
Mr. Laurence B. Stone and
Linda C. Stone, M.D.
Columbus, Ohio
Dr. Martin R. Strytz
Philadelphia, Pennsylvania
Deborah J. Sudduth
Lansing, Michigan
Mr. and Mrs. Doug Thomas
Atlanta, Georgia
Ed and Jeanne Tiscornia
Hilton Head Island, South Carolina
Michael and Darcie Uckele
Blissfield, Michigan
John VanSchagen, M.D. and
Rose Ramirez, M.D.
Ada, Michigan
Bruce A. and Nancy W. Weber, D.O.
Clarkston, Michigan
Jeff Williams
East Lansing, Michigan
Professor Nick J. Wittner
Cynthia M. Wittner
Northville, Michigan
Joan E. Wright, MPH, Ph.D.
Williamston, Michigan
David and Marion Young
Sugar Land, Texas

Beaumont Tower Society
Chartered during the university’s first capital campaign, Beaumont Tower Society is named after the one landmark that so thoroughly symbolizes Michigan State University, its history and traditions.
Established in 1963, the Presidents Club was the first donor recognition group created at Michigan State University and remains the largest.

Dennis and Mary Lou Alexejun
Holland, Michigan
Dr. Janyne Althaus
Lutherville, Maryland
Mr. and Mrs. Laurence Appel
Buffalo Grove, Illinois
John and Patty Barnas
Lansing, Michigan
Timothy Bearden
Bingham Farms, Michigan
John R. Bebes
Northville, Michigan
Ralph and Sally Beebe
Mason, Michigan
Len and Sharon Berman
Novi, Michigan
John J. Bistolarides
Chicago, Illinois
Dr. Christine Blakeney and
Mr. David Breck
Laingsburg, Michigan
Charlie Bogart Family
Plano, Texas
James and Nikki Bonomo
Findlay, Ohio
Margaret A. Bossenbery
Lansing, Michigan
Ms. Mary E. Boudreau
Lansing, Michigan
Tom and Kim Boyd
Okemos, Michigan
Alan Burchi and Barbara Patek
Grosse Poine Farms, Michigan
Paul and Christine Caragher
Kirkland, Washington
Mr. Bradley S. Cassidy and
Ms. Linda K. Cassidy
East Lansing, Michigan

Patrick D. Clark and
Kevin A. Clark
Marietta, Georgia
Mary R. Clifton, M.D.
Traverse City, Michigan
David and Mary Crimmins
Troy, Michigan
Jack and Hille Dais
Lakewood, Colorado
Edward C. Dawda and Alice I. Buckley
Bloomfield Hills, Michigan
Mark and Elisa Dennis
Austin, Texas
Dr. and Mrs. J. Quen Dickey
Bloomfield Hills, Michigan
Kirk A. Domer
East Lansing, Michigan
J.B., Jr. and Jeannie Marie Drummond
Southfield, Michigan
Jeffrey W. and Nancy Dwyer
Wetmore, Michigan
Tim and Carol Dwyer
Caledonia, Michigan
Rae Ann Elliott
Rochester, Minnesota
Sam and Dianne Ewing
Adrian, Michigan
Robert B. Ferguson, M.D.
Bloomfield Hills, Michigan
Dr. Patrick M. Flaherty
Royal Oak, Michigan
Erin Frisch and Andrew Hagman
Okemos, Michigan
Elaine Fritz
Romulus, Michigan
Dr. Alice Gale and
Mr. Michael Spaniolo
Grand Ledge, Michigan
James A. Gall
Midland, Michigan
Brett M. Gasper
Keego Harbor, Michigan
Mr. and Mrs. Donald C. Gause
Owego, New York

James R. and Mary B. Michaud
Richfield, Ohio
Mary Lou and Jack Miller
Chicago, Illinois
Mr. and Mrs. D. Dean Moore
Fenton, Michigan
Dr. Norman R. Myckowiak
Saginaw, Michigan
Linda and Mark Newman
Shelby Township, Michigan
Mr. and Mrs. D. Dean Moore
Fenton, Michigan
Dr. Norman R. Myckowiak
Saginaw, Michigan
Linda and Mark Newman
The LM Newman Family Foundation
Incline Village, Nevada
Charles W. Painter III and
Patricia Scollard Painter
Troy, Michigan
Bob and Martha Palmer
Novi, Michigan
Nancy Passanante
East Lansing, Michigan
Mr. James A. and
Dr. Elizabeth S. Plemmons
Grosse Ile, Michigan
Wayne and Carol Pyke
Bloomfield Hills, Michigan
Erik and Ana Maria Qualman
Cambridge, Massachusetts
Nora J. Rifen
Okemos, Michigan
Ross E. Roeder
Saint Petersburg, Florida
Mr. and Mrs. Erik Schafer
Plano, Texas
Ron Skover and Lori Falk-Skover
Avoca, Michigan
Mrs. Roselyn Solo
Okemos, Michigan
Ms. Angela Datz Strawn
Sacramento, California
Drs. Henry and Costella Talley
Holt, Michigan
Michael A. and Lynn D. Tanner
Lansing, Michigan
Irving and Judith Taran
East Lansing, Michigan
Clarence and Noreese Underwood
East Lansing, Michigan

William and Betty Wadland
Okemos, Michigan
Kurt G. and Lynn M. Weyersberg
Sterling Heights, Michigan
Stephen P. Wilensky, M.D. and
Mark S. Ritzenhein
Okemos, Michigan
David H. Gial, Erika, David III,
Samantha and Nicholas Williams
Nashville, Tennessee
Jeff and Norma Jean Zaleski
Troy, Michigan
Michael Zaroukian and
Barbara Mitchell
Okemos, Michigan

Patrick D. Clark and
Kevin A. Clark
Marietta, Georgia
Mary R. Clifton, M.D.
Traverse City, Michigan
David and Mary Crimmins
Troy, Michigan
Jack and Hille Dais
Lakewood, Colorado
Edward C. Dawda and Alice I. Buckley
Bloomfield Hills, Michigan
Mark and Elisa Dennis
Austin, Texas
Dr. and Mrs. J. Quen Dickey
Bloomfield Hills, Michigan
Kirk A. Domer
East Lansing, Michigan
J.B., Jr. and Jeannie Marie Drummond
Southfield, Michigan
Jeffrey W. and Nancy Dwyer
Wetmore, Michigan
Tim and Carol Dwyer
Caledonia, Michigan
Rae Ann Elliott
Rochester, Minnesota
Sam and Dianne Ewing
Adrian, Michigan
Robert B. Ferguson, M.D.
Bloomfield Hills, Michigan
Dr. Patrick M. Flaherty
Royal Oak, Michigan
Erin Frisch and Andrew Hagman
Okemos, Michigan
Elaine Fritz
Romulus, Michigan
Dr. Alice Gale and
Mr. Michael Spaniolo
Grand Ledge, Michigan
James A. Gall
Midland, Michigan
Brett M. Gasper
Keego Harbor, Michigan
Mr. and Mrs. Donald C. Gause
Owego, New York
Robert and Jean Gaviglio
Wyckoff, New Jersey

Dawn M. Gee
Atlanta, Georgia

Dr. Chris and Mary Ann Giampapa
Jackson, Tennessee

Dr. Craig S. Glines and
Mrs. Lisa Blanzy-Glines
Riverview, Michigan

Susan E. Grettenberger, Ph.D.
Lansing, Michigan

Drs. Katherine Gross and
Gary Mittlebach
Richland, Michigan

Mark and June Haas
East Lansing, Michigan

Shawn and Nicole Hall
Kalamazoo, Michigan

Kevin and Cassie Hand
Royal Oak, Michigan

Patrick R. and Sharon L. Hart
Bonita Springs, Florida

Brian and Merri Horn
Arlington, Virginia

Jeffrey Paul Howard
San Diego, California

Mr. and Mrs. George Hubka
Dowling, Michigan

Dr. and Mrs. Greg and Kathy Huszczko
Ann Arbor, Michigan

Mr. and Mrs. Christopher J. Iamarino
Okemos, Michigan

Janet A. Johnson
Ann Arbor, Michigan

Ronald L. and Marvel C. Jones
Jackson, Michigan

Simone P. Joyaux and Tom Ahern
Foster, Rhode Island

Ms. Sharon M. Joyner
Redwood City, California

James and Gail Juday
Tucson, Arizona

Mr. and Mrs. James Kauffman
Ross, California

John F. Keller, M.D. and

Emily M. Keller
Grand Rapids, Michigan

Dr. and Mrs. Howard Kerwin
Waterford, Michigan

Mr. Roy E. Krug
Lansing, Michigan

Gail and Arthur Langer
Farrington Hills, Michigan

Dave and Shirley Lapinski
Jackson, Michigan

John and Mary Anne Larzelere
East Lansing, Michigan

Noble and Jane Lewallen
Niles, Michigan

Dr. Cathleen E. McGreal and
Dr. William K. Miller
Haslett, Michigan

Todd R. Maneval
East Lansing, Michigan

Michael and Stacey Marsh
Ann Arbor, Michigan

Edward J. Masters, Jr.
Royal Oak, Michigan

Jeremy L. Mattson, Ph.D. and
Dr. Joan C. Mattson
Bath, Michigan

Doug and Denise Melkonian
White Lake, Michigan

Andrew E. Mendians, D.O. and
Kerry Mendians
Manistee, Michigan

Dr. John Meulendyk and
Mr. Robert Montry
Bloomfield, Michigan

David J. Miller
Minneapolis, Minnesota

James R. Munroe
Manassas, Virginia

Brian and Barbara Musselman
Melrose, Massachusetts

Gunder A. Myran, Ph.D. and
Mrs. Marliss A. Myran
Stanwood, Michigan

David S. Nathan
Farmington, Michigan

Trustee James and Mary Nicholson
Grosse Pointe Woods, Michigan

Thomas C. and Sharin E. Noall
Richland, Michigan

Christian Orlic
East Lansing, Michigan

Mr. and Mrs. Vincent Pavlak
Dearborn, Michigan

Marvin Preston
Okemos, Michigan

Mr. and Mrs. Christopher Preuss
Northville, Michigan

Mr. and Mrs. Dave and Peggy Radelet
Glenview, Illinois

John S. Radtke
Pompano Beach, Florida

Martha A. Ream
Kalamazoo, Michigan

Jonathan Reed and Sandra Snow
Williamston, Michigan

Claude D. Renshaw
Mary E. (Lumianski) Renshaw
South Bend, Indiana

Dr. and Mrs. Peter H. Rheinstein
Severna Park, Maryland

Lisa Robinson and Mark Wilson
Okemos, Michigan

Margaret Ann Ross-Hudson
Sarasota, Florida

William and Johnnie Sacks
Manhattan Beach, California

A. Mahdi Saeed
East Lansing, Michigan

Dr. and Mrs. Patrick A. Sayles
Livonia, Michigan

Martha A. Scharchburg
Canton, Michigan

Gary and Faye Schluckbier
Barrle Creek, Michigan

R. Taylor Scott, D.O. and
Marci K. Scott, Ph.D.
Williamston, Michigan

Dr. and Mrs. Bill and Rita Short
Marquette, Michigan

Dr. Dana L. Shuey
Chadds Ford, Pennsylvania

Spencer A. Silk
West Bloomfield, Michigan

Tim and Cara Skowronski
McKinney, Texas

Jeffrey and Lisa Smith
Grosse Pointe Farms, Michigan

H. Robert Spicher
Pittsburgh, Pennsylvania

Louise A. Sternberg
East Lansing, Michigan

Mr. and Mrs. Bruce A. Stewart
Plano, Texas

Mike and Shelly Swartz
Brighton, Michigan

Mary and Craig Thiel
Haslett, Michigan

Richard C. and Jami M. Tibbals
Mason, Michigan

Wayne and Diane Titche
Ada, Michigan

Joseph P. Tocco
Southlake, Texas

Constance M. Tucker
Warren, Michigan

Laurence and Jayne Vallee
Grosse Pointe Farms, Michigan

Brian and Colleen Walker
Holland, Michigan

Steve and Karen Warren
Atlanta, Georgia

William and Barbara Webber
Linwood, Michigan

David and JoAnn Weitzner
Calabasas, California

Mr. and Mrs. Craig Wesley
Fremont, California

Matthew and Lisa Wigent
Clarkston, Michigan

Jeffrey S. and Lucinda S. Wright
Sand Lake, Michigan
Rob Covert, '71, who has served 35 years as CEO and president of Oaklawn Hospital, Marshall, has had a new facility named in his honor—the Rob Covert Surgery Center of Excellence at Oaklawn. The 45,000 square-foot complex boasts four new state-of-the-art operating rooms. Covert took an operation with 10 physicians and about 150 employees and expanded it to nearly 150 doctors on active status along with over 750 new jobs. The surgery complex is the 12th significant expansion during Covert’s tenure, along with 14 outpatient facilities in Albion, Homer, Olivet, Tekonsha, Beadle Lake, Bellevue and various other Marshall locations.

Linda Meeuwenberg, ’90, professor emeritus of Ferris State University, Big Rapids, has received the Hygienist of Distinction Award by Sunstar and RDH Magazine. She was nominated for her contribution as a volunteer in both Florida and Michigan to improve the oral health of uninsured people. A volunteer with the Retired Senior and Volunteer Program, she has delivered numerous presentations to high risk children, children of incarcerated parents and senior citizen groups. In addition, she is an active board member of the Hispanic Health Initiative.

Lane Glenn, PhD ’94, has assumed the presidency of Northern Essex Community College, a state college of more than 7,000 students in Massachusetts’ lower Merrimack Valley Region, with campuses in Haverhill and Lawrence, and extension sites in Methuen and Groveland, MA. Prior to becoming president of Northern Essex, he served as vice president of academic affairs for five years. He provided leadership for the college’s involvement in Achieving the Dream, a national effort to help more community college students succeed. Before that, Glenn served as dean of academic and student services at Oakland Community College, Detroit, and on the faculty at Lansing Community College.

Patrick Droze, ’05, a design and project engineer for Orchard, Hiltz & McCliment, Inc., Livonia, has won the 2012 American Society of Civil Engineering (ASCE) Young Civil Engineer Award. Droze has designed water, sewer and roadway improvement projects across Michigan and Ohio. He is an active member of the Southeast Michigan Branch of ASCE and previously served as secretary and web development committee chair to the Committee on Younger Members. As a student at MSU, he was president of ASCE Student Chapter and was the recipient of the Conrad Service Award in 2005.

Valerie Wright, ’89, interior design leader for Diekema Hammer Architecture + Engineering (DHAE), Kalamazoo, has been named a principal of the firm. Wright has taken part in hundreds of successful projects for DHAE and she has been a member of the American Association of University Women since 1997. She served on the board of the local branch for many years and was its president for five years. In addition, she has served since 2005 on the Kalamazoo Public Library Board of Trustees. Wright is an MSUAA Life Member.

Scott Piggott, ’98, MS ’10, manager of the Agricultural Ecology Dept. of the Michigan Farm Bureau, has been named MFB’s COO. A nationally recognized expert in the field, he previously was a construction engineer for the Michigan Dept. of Transportation and a resource specialist for the Michigan Dept. of Environmental Quality. He helped pioneer the Great Lakes Compact—with MSU, University of Michigan and University of Toronto. He served as agriculture’s voice on the Great Lakes Restoration Initiative, Great Lakes Regional Collaboration and other groups.

Roger Tremblay, ’70, ’71, senior partner at Allen Austin Global Executive Search, Houston, TX, has been named executive vice president of Throne Media in Dallas, TX. Tremblay was in media sales for more than 35 years, including stints at the Wall Street Journal, Southern Living, Reader’s Digest and Sports Illustrated. He helps Spartan graduates with their job searches and career development. Tremblay serves on the board of the MSUAA Dallas/ Ft. Worth chapter.

Brenda Geoghegan, ’91, a banker with 18 years of experience, has been named assistant vice president and personal banker by Fifth Third Bank in East Lansing. She will be responsible for Lansing, Jackson, Saginaw and Midland. In addition, Geoghegan serves as vice president of the Lansing Chapter of the National Association of Career Women. She is also actively involved with the United Way and Junior Achievement. She is an MSUAA Life Member.

Joel Altman, ’68, chairman and CEO of The Altman Companies in Boca Raton, FL, has been inducted into H. Wayne Huizenga Business School’s Entrepreneur Hall of Fame. For the last 44 years, Altman has worked in every aspect of the real estate business. Active in community affairs, he founded The Altman Foundation for Children in 1993 and created Kids@Home in 2000 to assist youths with their transitions from foster care. Altman has also been active with groups such as the World Presidents Organization, Young Presidents Organization and Chief Executives Organization. He is a member of the Shaw Society and an MSUAA Life Member.

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.
Prior to Baker College, Heberling was a senior policy and business analyst at Anteon Corporation, Dayton, OH. He retired as a lieutenant colonel after 21 years of service with the U.S Air Force, having logged 1,500 hours flying time in the B-52H Stratofortress Bomber. He served on the faculty of the Air Force Institute of Technology at Wright-Patterson AFB, Dayton, OH.

James Haveman, ’68, was named by Gov. Rick Snyder to the Blue Cross Blue Shield board of directors. Haveman retired from the state following a career in public and community health. He served in many positions, including as director of the Michigan departments of community health and mental health. He also served as executive director of Kent County Community Mental Health Services and Bethany Christian Services in Grand Rapids. Haveman is president of the Haveman Group LLC, a consulting firm based in Grand Haven.

Tony Atwater, PhD ’83, has been named president of Norfolk State University, Norfolk, VA. Atwater has served as president of Indiana University of Pennsylvania and as the dean of Professional Studies at Northern Kentucky University. He was chair of the Dept. of Journalism and Mass Media at Rutgers University, NJ, and was provost at Youngstown State University, OH. At MSU he served as assistant director of The Honors College from 1988-91 and as an assistant journalism professor from 1983-87. He currently serves as senior fellow at the American Association of State Colleges and Universities.

Brian Erickson, ’80, vice president of sales at Mattel, Inc., El Segundo, CA, has been named a board member of the Special Olympics Southern California. During his career at Mattel, Erickson was recognized as top sales executive six times and won seven vendor of the year awards for WalMart, Toys ‘R’ Us and Sears Holdings. He has been active in Special Olympics for more than 20 years. In addition, Erickson supports many other charitable children’s organizations. He is a founding member of the Robert E. Hoffman Scholarship Fund and a sponsor of the Children’s Hospital of Michigan.

Kenneth Elmassian, ’69, DO ’76, an East Lansing anesthesiologist, has been elected president of the Michigan State Medical Society. Elmassian has long been active with the MSMS Board of Directors. He is a member of the Michigan Doctors’ Political Action Committee and a director of the Ingham County Medical Society. He is past co-chief of staff and past director of Cardiac Anesthesiology at McLaren–Greater Lansing Hospital. He serves on the Board of Directors of the American Society of Anesthesiologists and is past president of the Ingham County Medical Society. Elmassian is a member of MSU’s Hannah Society.

Susan Gould, ’91, director of Instrumental Music at Greenville High School, and Rick Catherman, ’90, director of bands at Chelsea High School, have been recognized as 2012 Teachers of the Year by the Michigan School Band and Orchestra Association. Gould is an adjudicator for MSBOA district and state level solo and ensemble, band, orchestra and marching festivals. She has held multiple positions with the MSBOA. She is chair of the MSBOA State Conducting Symposium Committee. Gould has been active with many music education organizations and is an MSUAA Life Member. Catherman is an active member of the Michigan School Band and Orchestra Association, the American School Band Directors Association and the Network of Michigan Educators. He served in various capacities on the boards of both the MSBOA and the ASBDA. He also serves on the State of Michigan Teachers Advisory Council.

Michael P. Clark, ’71, editorial page editor since 2005 of the Florida Times-Union, Jacksonville, FL, has won the William S. Morris III Dedication Award. He and his staff have won multiple state and national journalism awards. Formerly, he served as the reader advocate for the paper for 15 years. He was president of the Organization of News Ombudsmen. A Lansing native, Clark has been a professional journalist since graduating from MSU in 1971. He joined the Jacksonville newspaper in 1973.

Curtis L. Lewis, PhD ’00, a public school administrator, has been named director of the Public School Academies of Detroit Henry Ford Academy Elementary School. Lewis previously was in Teach for America–Detroit, where he managed Teacher Leadership Development. He was also a visiting instructor at the University of Michigan and a contracted Student Services Specialist with the Lansing School District. During his time as a graduate student, Lewis taught classes at MSU and coordinated an intervention program for first-time youth offenders. He was also director of a mentoring program for young males of color.

Angela Emmerling Boufford, ’94, a senior attorney with Butzel Long, Bloomfield Hills, has been named to the Michigan Defense Trial Counsel Board of Directors in Bloomfield Hills. Boufford is a member of the State Bar of Michigan, the American Bar Association, the Oakland County Bar Association and the Federal Bar Association. She earned numerous honors during her academic career, including Jurisprudence Achievement Book Awards in Civil Procedure I, Civil Procedure II, Labor Law, and Research Writing and Advocacy. Boufford also was a recipient of an Eve August Moot Court Scholarship and the prestigious International Academy of Trial Lawyers Plaque.

Daniel M. Lichtstein, MD ’70, a member of the faculty of the University of Miami School of Medicine, was named regional
PhD Duran, ’89, legal director of OutFront Minnesota, Minneapolis, has been elected president of the Minnesota State Bar Association. Duran will become MSBA president in the 2013-14 bar year. An advocate of diversity issues, he will become the MSBA’s first GLBT (gay, lesbian, bisexual, transgender) president. Duran has extensive litigation experience on diversity issues, including the MSBA’s 2010 endorsement of a marriage-equality resolution. He is also a staff attorney for the Management Assistance Program (MAP) for Nonprofits.

Johanna Novak, ’97, a shareholder in the Marquette office of Foster Swift Collins and Smith, PC, has been named a 2012-13 Regional Chairperson for the Michigan Defense Trial Counsel. Novak is a member of Foster Swift’s Health Care Practice group and practices in the areas of health law, health insurance and employee benefits. Novak frequently speaks on the HIPAA Privacy and Security rules, and the Patient Protection and Affordable Care Act.

Robert Aydukovic, ’89, has been named president of the Maryland Center for Construction Education and Innovation, Baltimore. Aydukovic has over 20 years of construction, real estate and economic development experience. Aydukovic was principal and owner of Downtown Development Advisors, LLC, and previously held senior positions with economic development organizations where he helped negotiate public-private partnerships on major downtown Baltimore revitalization projects. He is an adjunct professor at the University of Baltimore and is a member of the MSU Construction Management Alumni Board.
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OBITUARIES

30s


50s

Patsye C. McFall, '57, of Scranton, PA, Jun. 16, age 85.
Joseph T. Langlais, '57, of Kewadin, Dec. 8, age 75.
Harald C. Nielsen, '57, of Peoria, IL, May 7, age 82.
John W. Porter, '57, of Ann Arbor, Jun. 27, age 80.
Francis P. Stout, '57, of Ionia, May 5, age 77.
Hermann O. Warth, '57, of Germany.
Athos M. Brown, '58, of Morristown, TN, Feb. 3, age 83.
Douglas R. Brown, '58, of Stuart, FL, May 10, age 83.
John S. Hayden, '58, of Livonia, May 21, age 80.
Robert E. Hughes, '58, of Detroit, Apr. 29, age 80.
Stephen R. Mandell, '58, of Southfield, Dec. 8, age 74.
Donald L. Allum, '59, of South Lyon, May 20, age 77.
Donna (Holden) Barratt, '59, of Punta Gorda, FL, Jun. 4, age 74.
Walter B. Erickson, '59, of Minneapolis, MN, Jun. 3, age 74.
James K. Perkins, '59, of Michigan City, IN, Jan. 22, age 76.
Eugene F. Reinke, '59, of Rockford, IL, May 4, age 86.
Allen J. Werner, '59, of Cheboygan, May 4, age 82.
John D. Wynn, '59, of Checotah, OK.

David R. Morrison, '60, of Troy, Apr. 8, age 75.
Beulah C. Noble, '60, of Southfield, Apr. 1, age 88.
John R. Peschke, '60, of Bull Valley, IL, Nov. 15, age 81.
Jacob Stein, '60, of Louisville, KY, Jun. 11, age 88.
Robert C. Wallace, '60, of Jackson, Aug. 3, age 80.
Consuelo (Villamor) Avis, '61, of the Philippines.
Gerald G. Burpee, '61, of Southfield.
Randy O. Ryan, '61, of Marquette.
Donald E. Firth, '62, of St. Louis, MO, May 25, age 84.
James E. Lowden, '62, Jun. 30, age 76.
Donald L. Miller, '62, of New York, NY.
Donald D. Olson, '62, of Lansing, Jun. 10, age 86.
Steve Pendley, '62, of Princeton, IN, Jul. 19, age 75.
Robert A. Penezie, '62, of San Francisco, CA, May 6, age 74.
Shirley J. (Brown) Stine, '62, of Del Mar, CA, Apr. 6, age 71.
Thomas A. Faulkner, '63, of Berrien Springs, Apr. 18, age 70.
F. Leo Hassett, '63, of Fort Myers, FL, Oct. 20, age 94.
Mary Jean Parton, '63, of Walnut Creek, CA, Nov. 25, age 78.
Marilyn E. Dwyer, '64, of Fort Gratiot, May 23, age 81.
Eric M. Filson, '64, of St. Petersburg, FL, May 5, age 71.
Richard J. Proebstle, '64, of Newtonwa, PA, May 17, age 69.
Arthur D. Stine, '64, of Lansing, May 8, age 71.
Dale E. Weaver, '64, of Chesterfield, MO, Aug. 9, age 69.
Sidney K. Bradley, '65, of Springfield, MO, Apr. 24, age 75.
John C. Persons, '65, of Sturgis, May 25, age 69.
Kenneth G. Pfaffenhofen, '65, of Royal Oak, May 9, age 69.
Paul R. Spagnoletto, '65, of Big Rapids, Jun. 6, age 82.
Michael L. Berke, '66, of Walled Lake, Nov. 3, age 66.
Larry L. Carlson, '66, of Spring Lake, Mar. 23, age 74.
Bradley J. Grenlund, '66, of Roscommon, Jul. 7, age 72.
Jack W. Gundrum, '66, of New Haven, CT, Jan. 17, age 74.
James L. LaParr, '66, of Portage, May 4, age 78.
Douglas R. Withee, '66, of Sarasota, FL, May 21, age 69.
Rebecca Z. Byrne, '67, of Anderson, SC, Apr. 13, age 67.
David L. Erlewein, '67, of Traverse City, Jul. 20, age 69.
Bessie M. (Baker) Williams, '67, of Okemos, May 29, age 89.
Keith Wilson, '67, of Canada, Mar. 28, age 82.
Paul G. Corder, '68, of Perry, Jun. 15, age 65.
Cheryl (Tanner) DeLam, '68, of Angola, NY, Apr. 28, age 68.
Ronald P. Diehl, '68, of Alexandria, VA, Jun. 12, age 70.
Larry L. French, '68, of Palmetto, FL, Mar. 12, age 73.
Walter A. Jakubowski, '68, of Warren, Nov. 18, age 73.
Charles T. Schmidt, '68, of Sauunderston, RI, Mar 31, age 77.
Vernon R. Vance, '68, of Traverse City, May 19, age 81.
Thomas J. Vaughan, '68, of Bonita Springs, FL.

David A. Anderson, '69, of Mason, Feb. 8, age 65.
Karen E. Clark, '69, of Gwynn Oak, MD.
Susan M. (Royce) Crandall, '69, of Cedarville, Mar. 10, age 66.
Randy W. Degrow, '69, of Gaylord, Sep. 18, age 64.
Charles S. Foster, '69, of Santa Monica, CA, May 23, age 70.
Richard A. Hindley, '69, of Trenton, Nov. 29, age 65.
Mary K. Nutter, '69, of Manton, Jul. 25, age 65.
Marcia J. (Brenner) Pernoll, '69, of Reno, NV, Apr. 10, age 63.
Gordon L. Puls, '69, of Lantana, FL, Aug. 30, age 64.
Madeline E. Roche, '69, of Chicago, IL, Apr. 5, age 84.
Ruth L. (Dobler) Sharp, '69, of San Clemente, CA, Nov. 17, age 89.
Kenneth S. Zawlocki, '69, of Ypsilanti, Oct. 9, age 64.

'70s

William T. Beltz, '70, of Colorado Springs, CO, May 12, age 64.
Robert L. Driscoll, '70, of Marietta, GA, Jun. 21, age 76.
Virginia Huntsoon, '70, of Jackson, May 1, age 89.
Dilmus James, '70, of El Paso, TX, May 29, age 79.
Alan B. Johnson, '70, of St Johns, Jan. 3, age 63.
Martha M. Schultz, '70, of Lake Orion, Mar. 12, age 81.
Larry E. Decker, '71, of Cincinnati, OH, Apr. 23, age 71.
Maynard D. Laves, '71, of Fort Leavenworth, KS, Jul. 4, age 76.
Michael D. McIntyre, '71, of Pontiac, May 13, age 64.
James P. Miller, '71, of Stanwood, Apr. 20, age 84.
Scott N. Suiember, '71, of Mundelein, IL.
Curt F. Donbecky, '72, of Grand Ledge, Jul. 14, age 64.

'60s

Richard H. Beagle, '60, of Boyne City, Jul. 1.
Margaret H. Brainard Clark, '60, of Scranton, PA, Jun. 16, age 85.
Joseph T. Langlais, '60, of St. Cloud, MN, Apr. 23, age 83.
Patsye C. McFall, '60, of Detroit, May 25, age 73.
Stephen M. Kadian, ’72, of Troy, Mar. 26, age 61.
Michele L. (Shalhoub) Manvel, ’72, of Highland Park, Jul. 27, age 61.
Mary C. Parker, ’72, of Kalamazoo, Nov. 17, age 78.
David L. Spencer, ’72, of Red Lion, PA, Apr. 15, age 75.
Gregory D. Siemen, ’72, of Tallahassee, FL, Jun. 11, age 63.
Richard R. Towley, ’72, of Omaha, NE, Sep. 18, age 67.
Bruce C. Augustyniak, ’73, of Fox Lake, IL, May 20, age 61.
Karen A. (Crittenden) Bedore, ’73, of Mount Pleasant, Apr. 8, age 62.
John S. Bilobran, ’73, of Wilmington, NC, Dec. 19, age 65.
Manola B. McShan, Mar. 18, age 75.
Janis L. (Diring) Diring-Khan, Wilmington, NC, Dec. 19, age 65.
Karen (Windau) Tyson, Mar. 26, age 61.
Michael G. McGuire, Jonesville, Jun. 18, age 77.
Thomas A. Fecs, ’73, of McCosta, Jan. 2, age 61.
Robert S. Graham, ’73, of Troy, Mar. 18, age 75.
Manola B. McShan, ’73, of Stone Mountain, GA.
John E. Shirley, ’73, of Tompkinsville, KY, Apr. 23, age 69.
Miriama C. Skurnick, ’73, of Oakton, VA, Jan. 10, age 69.
Phyllis M. Victoria, ’73, of North Palm Beach, FL, Jun. 30, age 83.
Joseph M. White, ’73, of West Bloomfield.
Robert L. Crampton, ’74, of Virginia Beach, VA, Jan. 23, age 63.
Audrey I. Jordan, ’74, of Jonesville, Jun. 18, age 77.
Harold W. Quigley, ’74, of Traverse City, Jun. 2, age 67.
Edna M. (Jannick) Tortoriciello, ’74, of Gladwin, May 2, age 74.
Robert E. Laskey, ’75, of Newport Beach, CA, Apr. 20, age 60.
Karen (Windau) Tyson, ’75, of Sandusky, OH, May 9, age 60.
Donald J. Andison, ’76, of Southfield, Apr. 24, age 57.
Holly S. Henkelmann, ’76, of Lemon Grove, CA, May 3, age 57.
Bruce D. Hillier, ’76, of Waunona, IL, Apr. 27, age 58.
Annie W. Williamson, ’76, of Lansing.
Fred E. Winch, ’76, of Newfield, NY.
Cheryl C. Bohlin, ’77, of Michigan City, IN, May 8, age 64.
Marian J. (Vanule) Gilbert, ’77, of Niles, Nov. 3, age 79.
Ronald A. McVey, ’77, of Florence, SC, Sep. 4, age 67.
Barbara J. (Willoughby) Matt, ’77, of Switzerland, Nov. 11, age 62.
Michael G. Altman, ’78, of Marquette, Sep. 29, age 60.
Jack D. Brabek, ’78, of Durr, Feb. 12, age 76.
Gregory J. Gelenius, ’78, of Davison, Nov. 23, age 57.
Joe E. Sylvester, ’78, of Pleasant Plains, IL, May 14, age 65.
Malcolm V. Floyd, ’79, of Port Huron, Apr. 14, age 54.
Linda A. Ward, ’79, of Columbus, OH, Oct. 1, age 57.
Mary G. (Cahill) Hardy, ’87, of Westland, Feb. 19, age 47.
Leon F. Vasey, ’87, of Portland, OR, Sep. 9, age 66.
Scott C. Rodgers, ’88, of Canton, Dec. 21, age 47.

‘80s
Rex M. Carter, ’80, of Lansing, Apr. 1, age 61.
Leo W. Hindsley, ’80, of Rochester, TX, Nov. 29, age 82.
Dennis E. Murphy, ’80, of Gaylord, Jun. 8.
Anthony H. Stack, ’80, of Troy, May 5, age 79.
Lucy L. (Marker) Esmay, ’82, of Lansing, May 1, age 52.
Jill A. (Mihelic) Oliverius, ’82, of Hendersonville, TN, Apr. 11, age 52.
Daniel C. Knott, ’83, of Clarkson.

‘90s
David A. Dickerson, ’90, of Olena, Apr. 21, age 44.
Jennifer L. Turecki-Kaiser, ’91, of Plymouth, Mar. 10, age 44.
Carla R. Moncrief, ’92, of Canton, Sep. 25, age 43.
Anthony J. Tunney, ’94, of Western Springs, IL, Apr. 18, age 39.

‘00s
Jamie L. Byrne, ’00, of Granger, IN, Jun. 20, age 34.
Heather A. Bullen, ’02, of Newport, KY.
David S. Dee, ’05, of Grand Rapids, Jun. 20, age 46.
Shaila E. Kirkpatrick, ’06, of Bay City, Dec. 26, age 40.
Courtney M. Willard, ’09, of Allen, TX, Apr. 18, age 24.

‘05s
Myles S. Delano, of Scarborough, ME, Oct. 2, age 90.
Joan H. Eadie, of Santa Fe, NM, May 29, age 75.
Raymond G. Fairman, of Pleasant Lake, Jun. 8, age 86.
Taylor W. Groves, of Eaton Rapids, Mar. 4, age 85.
Edna Hickman, of Lansing, Jun. 23.
Nina L. (Gannon) Miller, of Okemos, Apr. 21, age 87.
John L. O’Donnell, of East Lansing, May 16, age 86.
Robert L. Siefert, of East Lansing, May 8, age 90.
Lawrence D. Stelzer, of Owosso, Jul. 4, age 70.
Ti Yen, of Hamden, CT, Apr. 1, age 90.

MSU was notified of these deaths between May 1, 2012 and July 31, 2012.

Send Obituaries to:
MSU Alumni Magazine – Obits
535 Chestnut Rd., Room 300
East Lansing, MI 48824
Or email obits@msu.edu.

Faculty & Staff
Keith M. Honey, ’49, of Williamson, ME, Jan. 8, age 90.
Paul R. Hartman, ’51, of Kalamazoo, Apr. 30, age 82.
George M. Kessler, ’53, of East Lansing, Jun. 21, age 94.
Frank M. D’Itri, ’55, of Okemos, Jun. 28, age 79.
Herbert M. Burks, of Haslett, May 17, age 84.
Bruce B. Campbell, of Okemos, Dec. 29, age 63.
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