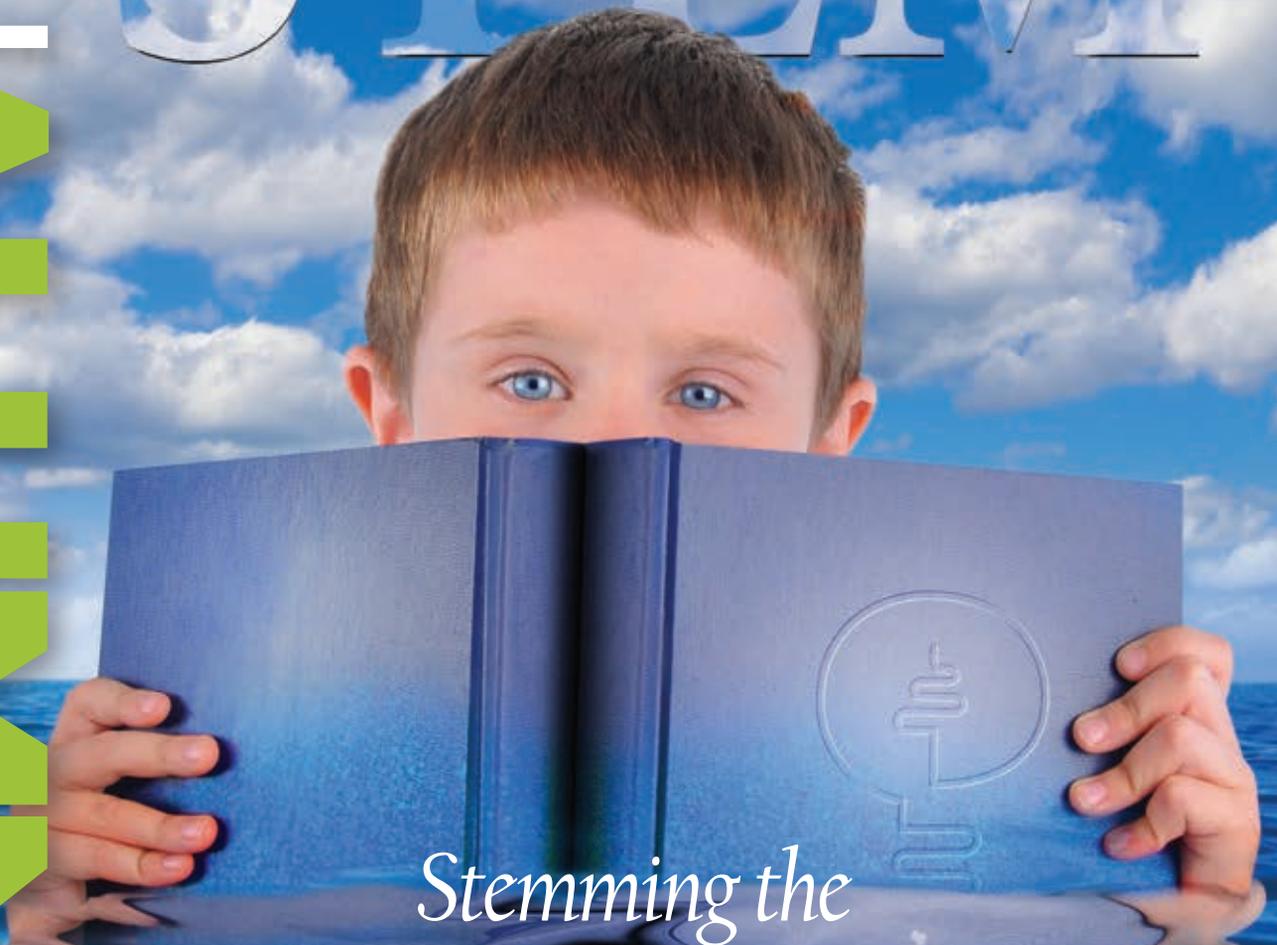


MSU ALUMNI MAGAZINE • WINTER 2014
FOR ALUMNI AND FRIENDS OF MICHIGAN STATE UNIVERSITY

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Stemming the

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20
MSU LEADERSHIP HELPED TO ADVANCE CIVIL RIGHTS

As MSU celebrates two major civil rights milestones in 2014, an award-winning cultural historian recounts how President John Hannah helped position MSU at the forefront of the nation's post-war crusade for civil rights, both as university president and as the first president of the U.S. Commission on Civil Rights.



28
STEMMING THE TIDE: MSU'S SOLUTION TO THE STEM EDUCATION CRISIS

MSU researchers have taken some effective steps to improve education in the STEM disciplines, thus beginning to solve one of America's most vexing problems in recent years.



40
NEIGHBORHOOD ENGAGEMENT CENTERS: A NEW MODEL FOR STUDENT SUCCESS

MSU pioneers a new living concept that can help students enjoy more success in all phases of college life right away. Early results look promising.

DEPARTMENTS

President's Message 3

In Basket 5

Around Circle Drive 6

Spartan Sagas 12

Spartan Profiles 14

Sports 46

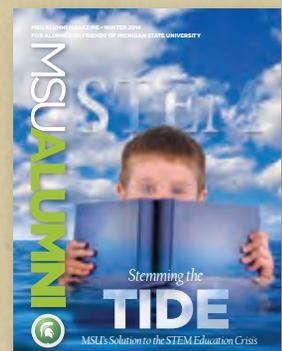
Alma Matters 52

State's Stars 62

Obituaries 66

Lasting Impressions 76

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Photo by Derrick Turner / Communications and Brand Strategy



PRESIDENT'S MESSAGE



In October, President Simon spoke at the DOCTRID in Dublin, Ireland.

Autism and other intellectual and neurodevelopmental disabilities are persistent problems representing a multidisciplinary and organizational challenge for those seeking to confront them. But meeting such challenges is one of MSU's strengths, one that enables the university to play an essential role in tackling some of the world's toughest problems.

Three years ago, Michigan State signed a memorandum of understanding with a handful of partners in Ireland to build on a collaboration between the MSU Office of Rehabilitation and Disability Studies and the Dublin-based Daughters of Charity of St. Vincent de Paul. Today, that program harnesses the knowledge assets of MSU; the Daughters of Charity Service and its fundraising arm, RESPECT; eight Irish universities; the Royal College of Surgeons in Ireland; and the University of Massachusetts Medical School.

Called the Daughters of Charity Technology and Research for Intellectual Disability (DOCTRID), the program seeks to bring a wide variety of researchers together into a center of excellence that will inform policy and practice in service to those with autism and other intellectual and neurodevelopmental disabilities. Last spring, the program won \$11.3 million in European Union

funding for 40 postdoctoral researchers to be distributed among partner universities.

Michigan State funds three interdisciplinary postdoctoral research associates in DOCTRID's Hegarty Fellows Program, named in honor of Sister Martha Hegarty, '87, a standout doctoral student who worked with MSU Professor Michael Leahy in the 1980s. Before her death in 2012, Sister Hegarty maintained a professional relationship with Leahy through the Daughters of Charity, and the programs and networks they developed led to DOCTRID. Hegarty is remembered as someone who regarded the intellectually disabled population she served in Ireland from the perspective of the assets they possessed, not the disabilities they were dealt, and she saw the potential for research to greatly benefit those individuals.

In October, I joined my colleagues to solidify our relationships at DOCTRID's third annual conference in Dublin. It's an exciting initiative that perfectly models the MSU co-creation approach to knowledge discovery and application. Our willingness to engage far and wide through the years has taught us that solving problems in one place gives us a foundation to apply it in other locations, including in our own backyard.

The partnership prompted us to look more closely at our own assets. We've identified nearly 40 MSU faculty members with research expertise that can be applied to intellectual disabilities, from pediatrics and genetics to software and computer engineering. This group populates our new Research in Autism, Intellectual and Neurodevelopmental Disabilities (RAINND) initiative, which focuses on the entire age continuum and the entire functional spectrum.

Professor Leahy, director of the MSU Office of Rehabilitation and Disability Studies and principal investigator for the DOCTRID International Research Institute at MSU, is codirector of RAINND with Nigel Paneth, University Distinguished Professor of epidemiology and biostatistics, and pediatrics.

Such faculty members bring powerful knowledge and experience together in a common cause, but pivotal leadership comes from many places. Sister Martha Hegarty chose Michigan State to develop her talent in rehabilitation counseling, and after she returned to Ireland, she continued to tap MSU's global networks. She became an international force for good, demonstrating how important our alumni are to Michigan State and to the world—and how Spartans Will.

Lou Anna K. Simon, PhD
President, Michigan State University



DIRECTOR'S MESSAGE

Go Green



THE SKYWRITING MIRACLE

It began when I was in a taxi cab in Washington, DC, on my way to the DC Spartans' Green & White Scholarship Gala. Checking my Facebook feed on my smartphone, I saw many posts with pictures of the "Go Blue" skywriting.

Why were Spartans posting this?

It turned out the "Go Blue" was written in smoke over Spartan Stadium before the game

against Youngstown State.

As I started to read the comments, I worried that the conversation might deteriorate, as these things often do, into something that would negatively reflect on our Spartan Nation. Then I glanced at my wrist. I have worn a teal bracelet there for over four years as a celebration of my wife Colleen and her battle with ovarian cancer. It began just as I was starting my service with the MSU Alumni Association. She was saved by extraordinary doctors at the University of Michigan Comprehensive Cancer Center, who beat back the monster with Cisplatin, the miracle chemotherapy drug invented here at Michigan State (see the cover story, Spring 2011).

Why not use this sky writing incident as an opportunity to show how our two schools could continue this collaboration?

I tapped out a message challenging Spartans to respond by donating to the Michigan Ovarian Cancer Alliance, MIOCA, which is located in Ann Arbor. I copied the message into the comment section of every "Go Blue" picture I could find.

The DC gala raised thousands for the club's scholarship fund and it felt great being surrounded by the magic of Spartans helping Spartans. Returning to my hotel, I was astounded by an email from Pam Dahlmann, the executive director of MIOCA, who reported that donations had been so numerous it crashed their PayPal site. "We'll fix it," wrote this UM alumna. "Keep it up!"

Thus began what has been dubbed "The Sky Writing Miracle." By Sunday evening, Spartans were contributing \$1,000 per hour to MIOCA. They were passing the message on to other Spartans. By Monday afternoon, this phenomenon had spread across both Twitter

and Facebook and vaulted over to the mainstream media. I spoke with MLive.com, the *Detroit Free Press*, the *Detroit News*, our own *State News* and the *Lansing State Journal*. All three local TV stations covered the story, including WKAR's Current State, and it generated plenty of conversation in sports talk programs.

The high road that our Spartan Family had embraced was snowballing. The Associated Press got the story out, spreading to dozens of news sites across the country. ESPN, CBS and ABC all cheered this new approach to rivalry.

By halftime of the Notre Dame game, we had raised over \$37,000. Beyond the money, awareness about this silent killer had grown. Tens of thousands learned about the test that women can take to see if they have a BRCA gene mutation that might be a future cancer predictor and the hope that ovarian cancer research, happening right here at MSU, can provide. I received letters and emails from survivors, care givers and people who had lost family members. One young woman wrote, "I was always afraid to get tested for the gene mutation. Seeing the strength of our MSU family has given me the courage to do it."

We learned a lot about the power of social media and about more productive alternatives to I'm-better-than-you chest pounding. We showed that we can be the best we can be without degrading our rivals. We demonstrated that with a powerful, positive message, we can get the world's attention. We can even rally people who aren't always our fans to take positive action.

In the end, led by Spartans, hundreds around the world helped raise over \$42,000 for MIOCA, a small group of courageous women who are tackling a huge challenge.

I congratulate Spartan Nation for making possible the Skywriting Miracle. It perfectly fits a theme in this issue of the *MSU Alumni Magazine* about what it means to be a Spartan.

W. Scott Westerman III, '78
Executive Director, MSU Alumni Association

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IN BASKET

LEGACY OF MORRILL HALL

Congratulations on the splendid Fall 2013 issue of the *MSU Alumni Magazine*! Bill Castanier's cover story, "Preserving The Legacy of Morrill Hall," generated all kinds of wonderful memories about this iconic building. In grammar school at nearby Liberty Hyde Bailey School, I used to visit my professor father in the language department in Morrill Hall. Years later I attended undergraduate and graduate seminars there before joining the faculty at the University of Connecticut. Many members of my immediate family attended classes in Morrill Hall. Russ Nye, properly featured throughout this article, was a family friend and professor. How appropriate, too, to give final words to a distinguished author and classmate, Jim Harrison. All in all an outstanding article in an outstanding issue.

John Abbott, '59, PhD '63
New York, NY

The Morrill Act gave my grandmother a job. To her descendants, it gave them professions. My grandmother, Lida Cushman, was one of the early housekeepers at the "Coop." She was born in 1868 and hoped to become a school teacher, but was unable to achieve her dream. Several descendants graduated from MSU. I was the first. So did two great grandchildren—William Baird, '76, captain of the MSU swimming team in 1974-75, and Janice Baird, '65. Both had classes in Morrill Hall. My daughter and Lida's great granddaughter, Kathryn Reed, works for the MSU College of Agriculture and Natural Resources. Her office is in the newly named Justin S. Morrill Hall of Agriculture.

Our family is a good example of the legacy of Sen. Morrill's vision

of the land-grant university.

Johanna Balzer, '71
Bath

Re your cover article on the history of Morrill Hall. As both an alumna who had many classes in Morrill and a retired faculty member, the absence of the building is bittersweet. I was dismayed, however, by your omission that MSU's School of Nursing was housed in the basement of Morrill Hall from 1961-67. The school had formerly been in Giltner Hall, but with enrollment rapidly growing, Morrill Hall provided more space for offices and a teaching laboratory. Nursing, as a primarily female occupation, certainly felt at home in the former Women's Building.

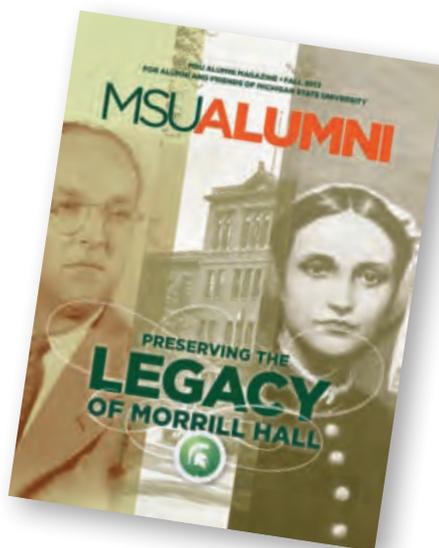
Louise C. Selanders, '69
Professor Emerita,
College of Nursing
East Lansing

That was a wonderful cover article by Bill Castanier. I would like to correct some minor errors. It's Dean Maude Gilchrist. The honor society is Omicron Nu (which in a consolidation became Kappa Omicron Nu). In August 2012 the centennial of Omicron Nu was celebrated at MSU's Kellogg Center.

Dorothy I. Mitstifer
Executive Director,
Kappa Omicron Nu
Association of College
Honor Societies
East Lansing

THE MASTERPIECE OF 1913

Recently I did some research on how the 1913 team, band and fans made the trip to Madison, WI. Getting to Madison was quite an adventure. Back then there was no I-94 or anything close.



Students took an electric street car from the corner of MAC and Grand River to Cedar Street in Lansing. There, they took an electric interurban line to St. Johns, which was a Grand Trunk railroad connection between Port Huron and Grand Haven. In Grand Haven they took the Grand Trunk Crosby Railroad Ferry Service to Milwaukee. From there they took another train to Madison.

When the train arrived, the MAC contingent marched from the station to the university campus. Wisconsin was the defending Western Athletic Conference (now Big Ten) champion, so our win was monumental. The captain of the ferry later wrote to President Snyder extolling the fine behavior of the MAC travelers.

Robert Cantrell, '62
DeWitt

Loved your column about the 1913 season, especially since my great uncle played on that team. Your photo caption on page 70 has a couple of errors. The player you identify as Blake Miller (front row, left) is actually Oscar "Dutch" Miller. He was my great uncle and two years later was the team's quarterback. Blake is in the middle row, third from the left. Also, George Julian is in the middle row, third (not second) from the right.

By the way, in 1913 my great uncle played under the name

Dutch Schultz; his dad didn't want him to play football.

Ed Busch
Electronic Records Archivist
University Archives &
Historical Collections

After MSU, I became the Dean of Men at Ohio Wesleyan and got to know George Gauthier, who was a legend there. In fact, we ended up living in the Gauthier family home in Delaware, OH. Even in his last years, he was full of energy and a "can do" spirit. Your characterization of George and the 1913 team was on the mark.

Ronald Stead, '55, PhD '71
Vienna, VA

☛ *Stead was an infielder on MSU's 1954 Big Ten championship baseball team—a cohesive group that has met every five years since.* —Editor.

FUTURE ALUMNI

Along with a core group of fellow Spartans, I was there in the "beginning." In 1986 we collectively and strategically merged the Student Alumni Association with the Student Foundation to create SAF, the Student Alumni Foundation. I'm very pleased to see its current transformation into the Association of Future Alumni. (Summer 2013). Strengthening the alignment between today's student leaders and difference makers with the MSU Alumni Association and the overall strategic objectives of our university makes perfect sense. The AFA is the ideal "farm system" for the global network of alumni answering the call to making a difference around the world.

Glenn R. Stevens, Jr., '87,
EMBA '97
Detroit

☛ *Stevens was president of the Student Alumni Foundation in 1986-87.* —Editor.



AROUND CIRCLE DRIVE

G. L. Kohuth/Communications & Brand Strategy



Bruno Basso shows off MSU's first unmanned aerial vehicle.

MSU BOASTS HD DRONE

A new MSU drone is helping farmers maximize yields. MSU researchers are using its first unmanned aerial vehicle (UAV) to help farmers improve nitrogen and water management and reduce nitrate leaching or nitrous oxide emissions.

MSU's UAV measures how crops react to stress, such as drought, nutrients deficiency or pests. The drone flies over the field documenting the field's status, down to centimeters. The portrait gives farmers details on the current health of their crops.

Armed with this knowledge, farmers can quickly pinpoint problem areas and address them with a precise rifle, as opposed to a shotgun approach, says Bruno Basso, MSU ecosystem scientist.

"When you have a cut and need disinfectant, you don't dive into a pool of medicine; you apply it only where you need it and in the quantity that is strictly necessary," says Bruno, a professor at MSU's Kellogg Biological Station. "Rather than covering the entire field with fertilizer, it can be applied exactly where it's needed. We basically try to do the right thing, at the right place, at the right time."

The UAV has three sensors: a high-resolution camera; a thermal camera, used to monitor plant temperature and hydration; and a laser scanner, which measures individual plant height in centimeters. The drone can fly at low altitudes and in most nonwindy conditions. It covers a pre-programmed pattern on autopilot and provides data in a cost-effective manner.

MSU RANKED IN TOP 20

MSU is one of the top 20 public universities in the nation, according to an annual ranking of higher education institutions by *Washington Monthly* magazine.

The 2013 rankings place MSU 20th on the list of public universities and 30th among national universities, which includes both public and private schools. MSU moved up four places on the national list from 2012.

In the Big Ten, four schools ranked higher than MSU (Michigan, Wisconsin, Illinois and Ohio State).

The University of California-San Diego was the top-ranked school, followed by the University of California-Riverside and Texas A&M University.

Washington Monthly rates schools based on their contribution to the public good in three broad categories: social mobility (recruiting and graduating low-income students); research (producing cutting-edge scholarship and doctorate degrees); and service (encouraging students to give something back to their country).

JAZZ ARTISTS IN RESIDENCE



The MSU College of Music is launching its new jazz studies artist in residence program this month thanks to a \$1 million gift from the MSU Federal Credit Union, the largest-ever investment in the college's curriculum.

October 14-19, saxophonist Antonio Hart, the first jazz artist of three scheduled for residencies this academic year, will take his place in the classroom and on the stage. Hart is an internationally acclaimed performer, composer and educator.

Hart will be teaching College of Music students and performing for the public while he is in residence. He will also work with high school and middle school jazz students in Lansing and in two West Michigan schools. Jazz Orchestra I, the college's premier student jazz ensemble, will tour with Hart around the state.

Trumpeter Jon Faddis and drummer Jeff Hamilton are the other international jazz artists slated to hold residencies at MSU in December and April, respectively. Says Rodney Whitaker, director of jazz studies, "It is so exciting and satisfying to get this program started."

Founded in 2001, the Jazz Studies Program leads the college's outreach efforts, teaching and mentoring youth at Community Music School-Detroit.

BOMB-DETECTING LASER TECHNOLOGY

MSU research has put the possibility of bomb-detecting lasers at security checkpoints within reach.

Marcos Dantus, MSU chemistry professor and founder of BioPhotonic Solutions, has developed a laser that can detect micro traces of explosive chemicals on clothing and luggage, as reported by *Applied Physics Letters*.

“Since this method uses a single beam and requires no bulky spectrometers, it is quite practical and could scan many people and their belongings quickly,” Dantus says. “Not only does it detect the explosive material, but it also provides an image of the chemical’s exact location, even if it’s merely a minute trace on a zipper.”

The low-energy laser is safe to use on luggage as well as passengers, he adds. It would likely be in a conveyor belt, like the X-ray scanners already used for airport security.

For decades, scientists have been working to develop lasers that are powerful enough for detection, but safe enough to use on people. Dantus’ initial spark for this breakthrough came from collaboration with Harvard University that developed a laser that could be used to detect cancer, but has the beam output of a simple presentation pointer.

Funding for this research was provided by the Department of Homeland Security, Science and Technology Directorate. BioPhotonic Solutions is a high-tech company Dantus launched in 2003 to commercialize technology invented by his research group at MSU.



NEW FACES ON CAMPUS

► **Alec Hathaway**, an architect with projects in New York and California, has been named associate curator of architecture and design of the Eli and Edythe Broad Art Museum at Michigan State University. Hathaway was a project manager with EHDD Architecture in San Francisco, CA.

► **David Wheeler**, a cutting-edge creative director in the digital media entertainment industry, has been named Media Sandbox Director of MSU’s College of Communication Arts & Sciences. Wheeler served as content director in the video game industry and founded four companies, including Here and Now Transmedia in Los Angeles.

MSU MOMENTS

This capsule of MSU history was written by Portia Vescio, assistant director of MSU’s University Archives and Historical Collections.

What’s in a name? In the early 1950s when Michigan State College of Agriculture and Applied Science sought “university” status, significant discussion ensued. MSC argued that considering all its diverse schools and programs it was really a university and should be named appropriately. The University of Michigan opposed this, arguing that it “viewed with deep concern any action that would give MSC a name similar to that of the University of Michigan.”

That battle lasted several years. At first there was public indifference toward MSU’s efforts. By early 1955, however, most people around Michigan State were firmly behind the campaign. It was the college’s centennial year and they thought the name change would help celebrate the anniversary. In February 1955 the student government voted to spend \$500 to support a letter-writing campaign supporting the name change proposed in the state legislature.

The state house was to vote in April 1955. A week before the vote, the University of Michigan filed a 26-page brief demanding a state-wide vote on the name change. It did not work. As Gwen Andrew, former dean of MSU’s College of Social Science, noted in MSU’s Oral History Project, “. . . every time they started to move something up at Michigan State, they’d look up a hill and it’s like a sand dune, and (the University of) Michigan’s up there throwing a bucket of sand down.”

On April 13, 1955 the Michigan Senate voted 23-2 to change the name to Michigan State University of Agriculture and Applied Science effective July 1.

If that name seems a little long, it is. The last appendage was dropped on January 1, 1964. Happy 50th anniversary to the name Michigan State University!

President John Hannah (left) observes as Michigan Lt. Governor Philip A. Hart signs the 1955 Michigan State University Bill, sponsored by Rep. John J. McCune (right).



Photo courtesy of University Archives & Historical Collections

Photos courtesy of the Wharton Center

WINTER SHOWS AT WHARTON CENTER

This winter season, patrons of MSU's Wharton Center for Performing Arts will find the usual diversity of choices. Disney's *Beauty and the Beast* (Feb. 18-23), a smash hit Broadway musical that has won the hearts of over 35 million fans worldwide, returns to East Lansing with its classic characters, lavish sets and dazzling production numbers. Then Gershwin's *Porgy and Bess* (Mar. 18-23), winner of the 2012 Tony Award for Best Revival, brings such iconic songs as "Summertime."

Fans of classical music will want to see the St. Petersburg Philharmonic Orchestra's debut at Wharton Center (Feb. 24). Led for two decades by the legendary Yuri Temirkanov, the performance will include Rachmaninoff's Symphony No. 2 and Prokofiev's Violin Concerto featuring star violinist Vilde Frang. Lovers of dance will have the Eisenhower Dance: Red, Hot and Blue! (Feb. 12) while jazz lovers can look forward to the grandfather of all jazz festivals, the Newport Jazz Festival: Now 60! (Mar. 27).



Beauty and the Beast

Eisenhower Dance



Newport Jazz Festival

G. L. Kohuth/Communications & Brand Strategy



Lalita Udpa

\$4 MILLION GRANT FOR PLANE SENSORS

MSU and the Boeing Company have been awarded a contract worth about \$4 million from the

U.S. Air Force to develop sensors that can better detect cracks in airframes.

Lalita Udpa, professor of electrical and computer engineering in

MSU's College of Engineering, leads the effort to create sensors that will identify frame structures weakened by subsurface cracks and corrosion.

"Cracks can develop at the fastener sites in areas of high stress," says Udpa, whose goal is to design a sensor that can "reliably detect cracks that are deep into the third layers in the presence of other complex edges and magnetic materials."

Udpa said MSU was the Air Force Research Laboratory's first choice as a research partner to work with Boeing. Electro-magnetic sensor systems that incorporate magnetoresistive, or MR, detectors have been shown

to have better capabilities than conventional current sensors for detecting cracks in thick and/or complex metallic airframes.

BREAKTHROUGH IN GYNECOLOGICAL RESEARCH

MSU researchers have created a model that can help understand adenomyosis, a common gynecological disease that contributes to women having to undergo hysterectomies.

In a two-step process, a team led by MSU's Jae-Wook Jeong identified a protein known as beta-catenin that may play a key role in the disease. When activated, beta-catenin causes cel-

lular changes in a woman's uterus, leading to adenomyosis.

Jeong, an associate professor in the College of Human Medicine's Dept. of Obstetrics, Gynecology and Reproductive Biology, created a mouse model that may reveal useful targets for new treatments.

"These findings provide great insights into our understanding of the beta-catenin protein and will lead to the translation of animal models for the development of new therapeutic approaches," says Jeong of a disease that is associated with 66 percent of hysterectomies.

The research was recently published in the *Journal of Pathology*. The work was supported by grants from the National Institutes of Health, the American Cancer Society and the World Class University Program at Seoul National University in South Korea.

HOW TO IMPROVE ABYSMAL INSTRUCTION

Writing instruction in U.S. classrooms is "abysmal" and the Common Core State Standards don't go far enough to address gaps for students and teachers, says an MSU education scholar.

In a new study, Gary Troia calls for a fresh approach to professional development for teachers who help students meet the new writing standards. His research, funded by the U.S. Dept of Education's Institute of Education Sciences, appears in *School Psychology Review*. Natalie Olinghouse, of the University of Connecticut, is co-author.

"We need to re-orient the way we think about teacher professional development," said Troia, associate professor in MSU's College of Education. "We need to be smarter about professional



G. L. Kohuth/Communications & Brand Strategy

development and make sure it's comprehensive, sustained and focused on the needs in the classroom."

The Common Core standards, already adopted by 45 states, aim to improve U.S. student performance in mathematics and English language arts, which include writing.

The standards are weak in some areas of writing instruction, Troia notes. For example, spelling and handwriting are not addressed comprehensively in early grades.

The stakes are high, Troia says, as only about a quarter of U.S. students are performing at a proficient level in writing.



BIRDS RELY ON SCENT FOR MATING

Scientists have believed that birds eschew scent-based communications.

An MSU researcher has shown, however, that birds do communicate via scents and that odor reliably predicts their reproductive success. The study appears in *Animal Behaviour*.

Danielle Whittaker, managing director of MSU's BEACON Center for the Study of Evolution in Action, and her research team, have shown that smell plays a key

role in signaling reproductive health.

"This study shows a strong connection between the way birds smell near the beginning of the breeding season—when birds are choosing mates—and their reproductive success for the entire season," she says. "Simply put, males that smell more 'male-like' and females that smell more 'female-like' have higher genetic reproductive success."

The long-held assumption was that birds' preferred methods of

communication and mate selection were visual and acoustic cues. Studying dark-eyed juncos, Whittaker's team found that chemical signals correlated more with reproduction success than plumage size and attractiveness. The study also revealed that females were making multiple decisions based on how their potential mates smelled.

SMART SENSORS ARE SELF-POWERED

As Michigan looks to improve its infrastructure—roads and bridges—MSU researchers think they may have a "smart" alternative.

Nizar Lajnef, an assistant professor of civil and environment engineering, and Shantanu Chakrabarty, an associate professor of electrical and computer

engineering, are creating smart sensors powered by the very pavement and bridges they monitor.

"We are working on sensors that extract their power from the vibration and strain of their environment," Lajnef says. "There is no external source of power—no batteries. They are completely self-powered."

Lajnef's doctoral research in 2008 at MSU, dealing with sensors that can self-diagnose failures in pavement and bridges, has evolved into a national project with the U.S. Dept. of Transportation that has generated one patent, three patent applications and three USDOT grants totaling \$1.7 million. He notes that the prototype sensor uses less than 800 nanowatts of power, significantly less than the norm.



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

- **Bruno Basso**, associate professor in the Dept. of Geological Sciences, has been named a 2013 American Society of Agronomy Fellow. He was recognized for his research on crop modeling systems and land use sustainability.
- MSU HealthTeam physicians **Ved Gossain** and **Michael Zaroukian** have been named Masters of the American College of Physicians for 2014, a very selective honor bestowed on internal medicine specialists.
- **Dean Mary Mundt** and Professor **Gwen Wyatt** of MSU's College of Nursing have been inducted as Fellows by the American Academy of Nursing. They were recognized among 172 nurse leaders during the Academy's 40th annual meeting on October 19, 2013, in Washington, DC.
- **The MSU Debate Team** placed three two-person teams in the top 25 at the Harvard University tournament in October. There were 77 teams from 36 schools in the competition. Head Coach Will Repko says MSU's finish "was a strong statement to the rest of the competition."

SPARTAN HELMET LICENSE PLATES

Michigan motorists will be able to buy new Spartan helmet plates on Feb. 1, 2014. The Michigan Dept. of State is offering a new MSU fundraiser license plate that features the university's Spartan helmet logo. The new plate may be ordered online or at a Secretary

of State office. Revenue from the new plates supports MSU students and student activities. Those who want to continue displaying the MSU block S heritage logo on a license plate may do so. After Feb. 1, 2014 only the helmet logo plate will be sold, since an organization can only have one specialty plate. For complete details about replacing or purchasing an MSU fundraiser license plate, visit michigan.gov/sos and click on the "Owning a Vehicle" link.

MSU JOYSTICK HELPS VOTERS

A voting joystick created at MSU could eventually enable people with dexterity impairments, senior citizens and others to cast ballots independently.

Some voters may skip voting because of the nature of casting ballots on the current accessible voting machines, which require users with dexterity challenges to press small buttons or switches repeatedly, often requiring the help of a volunteer.

The "Smart Voting Joystick," similar to the joystick used to con-

trol motorized wheelchairs, represents a vast improvement, says Sarah Swierenga, director of MSU Usability/Accessibility Research and Consulting in University Outreach and Engagement. The joystick development was funded by a grant from the U.S. Election Assistance Commission.

"The expectation among the next generation is that they're not going to put up with this the way prior generations might have," says Swierenga. "The pendulum is swinging toward inclusion on many issues, voting being one of them."

"MSU, since the 1930s, has demonstrated to the world the reward, for all of us, of including people with disabilities in all activities," says Stephen Blosser, an engineer with MSU's Resource Center for Persons with Disabilities.

ASTRONOMER FINDS ANOTHER BLACK HOLE

Last year an MSU-led astronomy team discovered two black holes in a globular cluster. Now, after finding another black hole, the team is thinking it may be a more

common occurrence than thought.

As published in a recent *Astrophysical Journal*, the team has found a new black hole in a globular cluster known as M62.

"This implies that the discovery of the other black hole, in the globular cluster called M22, was not just a fluke," says Laura Chomiuk, team member and MSU assistant professor of physics and astronomy.

Black holes are stars that have died, collapsed into themselves and now have such a strong gravitational field that not even light can escape from them. The M62 is located in the constellation Ophiuchus, about 22,000 light years from Earth. Until recently, astronomers had assumed that the black holes did not occur in globular clusters.

"I think it's safe to say that we have discovered a whole new hunting ground for black holes," says Chomiuk.

This latest discovery was made by using the National Science Foundation's Karl G. Jansky Very Large Array telescope in New Mexico.



Matthew Gerhardt tests a voting joystick developed at MSU and funded by a federal grant.

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Photo by Derrick Turner/Michigan State University



Name:
Ron Flinn
Affiliation:
Alumnus, 1960; Administration
Current Residence:
Holt, Michigan

Keeping Campus Running

Ron Flinn and his team in Strategic Infrastructure Planning and Facilities keep things running smoothly on MSU's campus. How do they do it?

"I have, I think, the best physical plant team in this country," says Flinn, who makes it a priority to recognize those who work so hard and often do so invisibly. "The folks are extremely talented and skilled. I can take you in any one of our units and show you people who are actually not appreciated as fully as they should be because a lot of the things they do are after hours and out of sight."

After decades of service, Flinn, who has spent his entire professional career at MSU, is reluctant to talk about retirement.

"I am blessed, I believe, when I have people below me and above me asking me not to leave," he says. "I started here in late September of 1957. It's a little bit better place than when I arrived, and it's a much stronger team than when I arrived. I've told people when it stops being fun I will leave. I've told other people that I will retire, and that's sometime after the next Rose Bowl victory. No pressure on the coach here."

Flinn has been instrumental in the design and construction of nearly 75 percent of the campus buildings and infrastructure completed during his tenure and knows that MSU is built to last. "MSU has an unlimited life and we need to put in quality stuff for the next generation and the generations to come," he says.

Keeping Michigan State's 5,200-acre campus running around the clock isn't easy. But Ron Flinn and his team make it look that way.

"I work for everybody on this campus," says Flinn, vice president for Strategic Infrastructure Planning and Facilities. "I like to think that our team provides the environment for the magic that takes place in the research labs and the classrooms."

Flinn has been at MSU for more than 50 years. After graduating with his bachelor's degree in civil engineering in 1960, he was hired as a full-time employee and has served in a variety of professional roles since then.



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SPARTAN PROFILES

Photo by Steve Loveless



ANN LOVELESS: 2013 ARTPRIZE WINNER

More than 1,500 pieces of art by more than 1,800 artists representing 45 states and 47 countries were entered in this year's ArtPrize in Grand Rapids, the nation's largest art competition. After nearly half a million votes were cast, 17,670 in the final round, the winner was *Ann Loveless*, '82, a quilter from Frankfort. Her winning entry is a stunning 20-by-5 foot landscape quilt titled "Sleeping Bear Dune Lakeshore." The week after winning the grand prize of \$200,000, Loveless and her husband Steve were coping with unexpectedly high traffic in their State of the Art Framing & Gallery in Beulah. "We're being overrun, but that's OK," says Ann. "A group of ladies drove four hours to come here. We can't get stuff on the walls fast enough." This was Ann's third time as a contest participant. "Last year I

got into the Top 25," she explains. "This year my goal was the Top Ten." Accordingly, she made her textile art a bit bigger and chose a popular scene—Michigan's Sleeping Bear Dunes. "I sell a lot of lakeshore scenes," says Ann. "People love it. And Sleeping Bear Dunes was recently voted Good Morning America's 'Most Beautiful Place in America.'" So she found a photo taken by her husband Steve, a photographer, and based her four-panel polytrich on the photo. A native of Frankfort, Ann wanted to be a dress designer and chose to attend MSU for its apparel and textiles program. While at MSU, she took a number of art classes as electives. "Looking back, those were very valuable," recalls Ann, who learned to quilt about a decade ago. Ann believes her success at ArtPrize also strikes a

blow for other quilters and textile artists. "Textiles are generally not considered fine art as are oil paintings, pottery and blown glass," she explains. "When you think of quilts you think of something

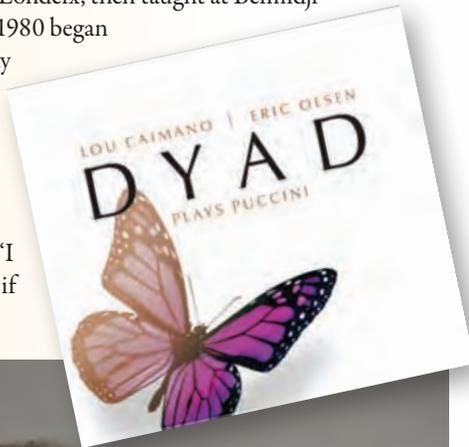
functional that grandma made for the bed. I think this has paved the way for quilters in the future." Ann's entry is currently on display at the Gerald R. Ford Presidential Museum in Grand Rapids.

LOU CAIMANO: ALGEBRA IN C FLAT MINOR?

Jazz and opera may seem like very different genres, but a new CD challenges that outlook. In *Dyad Plays Puccini*, alto saxophonist *Lou Caimano*, '74, '75 (performance saxophone), MM '76 (woodwind specialist), and pianist *Eric Olsen*, an adjunct professor at Montclair State University, perform 10 classic operatic melodies in their jazz style. The result has elicited rave reviews. One jazz critic calls it "the perfect equation, algebra in C flat minor," while another calls it "perhaps the most amazing transformation of cultural enlightenment in the last quarter century." Caimano, a longtime Broadway musician and founder of the Ridgewood Conservatory of Music, Paramus, NJ, calls it "my greatest musical achievement so far." The idea was first suggested by Olsen's wife Pam, an opera soprano, who observed that Lou's playing reminded her of a soprano singer. With that, the music duo Dyad decided to fuse classical and jazz music. A native of Garwood, NJ, Lou's route to East Lansing was a happy accident. "When

I was 13 or 14, I received very bad advice,” he recalls. “My guidance counselor didn’t think I was very good in music and advised me look to math and chemistry, which I was good at. There was an engineering institute at MSU, so I went.” Later, Lou chose MSU over Rutgers and Penn State because, he says, “MSU was the only place that treated me nicely.” Once at MSU, he tried out for the concert bands and made the Wind Ensemble. “Those were some serious musicians,” says Lou. “Most of them were graduate students.” Although he received his degree in chemical engineering, his heart was in music and he received a second bachelor’s degree in music performance, as well as a master’s in woodwind specialist. After MSU, he studied in France under saxophonist Jean-Marie Londeix, then taught at Beimidji State University, and in 1980 began

a long stint as a Broadway “doubler” (woodwinds and saxophone). In 1998, he founded the Ridgewood Academy, which he calls “Juilliard in the burbs.” Says Lou, “I would never be in music if it were not for MSU.”



BRANDY HATCHER: WORLD CHAMPION RUNNING BACK

In four years as an undergraduate at MSU, she never played any sports, other than a flag football game with some friends. But after moving to Chicago in 2009, *Brandy Hatcher*, '08, a telemetry and med/surg nurse at Rush University Medical Center in Oak Park, IL, has emerged as one of the nation’s top running backs in professional women’s tackle football. “I wanted to meet people and I saw there was a tryout for the Chicago Force,” Hatcher recalls. “Honestly I didn’t think I’d make the team.” But she did make the cut, and by her second year, “I got the hang of it.” Brandy credits good coaching with her ability to run and catch the football. “I’m not that fast, or that big so I can break tackles,” says Brandy, who is 5-5, 140 and boasts 5.1 speed in the 40-yard dash. “But I have good field vision. When you know where to go, it helps.” This past season she had 72 carries for 490 yards and five touchdowns. Her 51 receptions—for 627 yards and five touchdowns—were second-most in the Women’s Football Alliance league. “I really worked hard to improve my receiving skills,” she notes. “You have to really watch the ball and catch it with you hands and not your body.” A native of Holt, she threw the discus and bowled in high school. “The closest thing to football was wrestling with my brother, usually for the TV remote,” she says with a chuckle. Brandy chose MSU to stay closer to home. She is “a huge fan” of Spartan football. This past year, Brandy made the national U.S. team and went on to win the International Federation of American Football Women’s World Championship in Finland, beating Canada 64-0 in the finals. In August, the Chicago Force, which plays in Evanston, IL, won the national WFA championship in San Diego, CA. Brandy has succeeded in her quest to meet people. “My best friends are teammates,” she notes. “I have great friends all over the U.S., and also in Finland and Spain.” And the majority owner of the Chicago Force is a fellow Spartan, Linda Bache, who played softball at MSU and was a tackle football MVP for Chicago in 2005, 2006 and 2008.

Hatcher celebrates in Finland after winning the gold medal in the women’s world football championship.





Dick and Jane Held pose with their educational snacks, which have been a bit with school kids.

DICK & JANE HELD: EDUCATIONAL SNACKS

What are the odds a couple named Dick and Jane might be involved with helping little kids learn? Well, **Dick**, '85, and **Jane Held**, '85, who met on the MSU campus in 1982 because of a cookie, are in the business of producing educational baked goods for kids. Their Troy-based company, Dick & Jane Educational Snacks, produce whole grain, nut-free cookies that teach kids about state capitals and presidents, and words in both English and Spanish. "We've created something new and so unique that everywhere we go people are blown away by it," says Dick, who came up with the idea five years ago when he saw tots learning about animals when noshing on Animal Crackers. Dick and Jane initially distributed the cookies via schools. "We're in thousands of school districts in 31 states, including 50 of the 100 largest districts in the country," says Dick. "Right now we're going through the approval process for New York city, which serves 1.3 million students daily." In early 2013, the products have been made available at the retail level—via Whole Foods Markets—and also internationally in such places as Seoul, South Korea. "We're in 380 stores and hope to be in 5,000 by next summer," says Dick, who previously worked in the retail ski business and credits an MSU advertising class with inspiring his entrepreneurial vision. They have also founded the Dick and Jane Foundation, to help kids "eat right and do well in school," their motto. Dick and Jane met when they were sophomores living in McDonnell Hall. Dick's roommate Rob had some fresh cookies and Jane, passing by, asked if she could have one. Rob said "No." Dick jumped up, handed her a cookie and said, "Hi, I'm Dick." The rest has been a fairy tale story. They have four children—the oldest just graduated from MSU, the next is currently a student, and two others are hoping to join their siblings. "To answer a question everyone asks, no, we don't have a dog called Spot," says Dick with a chuckle. "Our dog is called Starbucks."

STEVE BOGDALEK: TACKLING CRIME IN DETROIT

Based on FBI statistics, Detroit may be the nation's second most dangerous city (after Flint). But beginning in January, the city's law enforcement will be bolstered by the arrival of a new Special Agent in Charge (SAC) of the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF)—**Steven J. Bogdalek**, '86, who heads the Justice Dept.'s ATF office in Los Angeles, CA. "In a way, I am back full circle," says Bogdalek, who began his ATF career in the Detroit office in 1987. Steve also had stints in Toledo, OH; Washington, DC; St. Paul, MN; and Los Angeles. "Detroit faces many challenges but it has a very competent new police chief who is very highly thought of," notes Steve. "We intend to partner with them and with the (Wayne County) sheriff's office and help in the current effort for Detroit to make a comeback." Although some may think ATF work involves action-packed shooting scenarios, as was depicted in the television series *The Untouchables* and various movies about Eliot Ness, Steve says his job does not entail so much firepower. "Shooting is what we try to avoid, unless it's a dire, last resort situation," he explains. "Our job is dangerous, but we rely on our training and on our planning to mitigate those risks." His task in Los Angeles included dealing with all the violent crimes, from shootings to extortion, that are committed to further organized drug trafficking. Steve notes the ATF works in close cooperation with local law enforcement agencies as well as federal agencies. "No one agency can do everything and solve every problem," he explains. "Partnerships are what make it work." A native of Chicago, Steve played football at MSU and was an All-Big Ten offensive tackle in 1986, helping Lorenzo White rush for 2,066 yards in 1985—the first Big Ten back to break 2,000 yards in a season. His son is currently a student at MSU and with his move to Detroit, he anticipates being able to attend some football games in Spartan Stadium again.



**KRISTI LAW:
HERO IN THE
CLASSROOM**

Two years in the making, Katrina Fried's *American Teacher: Heroes in the Classroom* (Welcome Books, 2013), published in October, portrays a selection of the "most passionate, innovative, and decorated teachers" in the nation. The collection of

50 "extraordinary educators" includes one exemplar from the state of Michigan—*Kristi (Darkowski) Law*, '98, MA '01, who teaches a gifted and talented magnet program at Roosevelt Elementary, Keego Harbor, a part of West Bloomfield Public Schools. "I was overwhelmed," says Law, who lives in Waterford, about her inclusion in the book. "I see so many great teachers every day, and I've mentored many great teachers, I also feel a little embarrassed. Every teacher is a hero." Nonetheless, the book touts the energy Kristi brings

to her classes. "I'll get up on the table and dance," says Kristi. "We dance every day. My classes are exciting, happy, unique. My goal is for learning to take place and for no one to be bored." A native of Plymouth-Canton, Kristi grew up in Northville and, after her older brother graduated from MSU, only applied to MSU. In her sophomore year, she did some self-assessment and decided to change her major from engineering to education. "The experience was unmatched," she says. "I have no doubt that it helped shaped who I've become. When I was a sophomore, they already had me

in a classroom—learning, observing, gaining a better understanding of the classroom experience." She says her favorite class was one on interpersonal communication. "The course was taught by a husband and wife team," she recalls. "On the first day of class, they jumped up on a desk and kissed passionately. I loved their level of enthusiasm and presentation and have tried to apply it to how I teach."

From American Teacher: Heroes in the Classroom. Text © 2013 Katrina Fried. Photograph © 2013 Brian Widdis. www.welcomebooks.com/americanteacher

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Ernest Green (front, middle), one of Arkansas' "Little Rock Nine," received a scholarship to MSU. He found out later it had been paid for personally by John Hannah.



In 1965, Martin Luther King, Jr. spoke at the MSU Auditorium to help raise funds for a student outreach program to Rust College in Holly Springs, Mississippi. In his speech, King made specific reference to President Hannah's leadership role in the U.S. Civil Rights Commission.

This is a group photograph of the U.S. Civil Rights Commission with President Eisenhower, which was taken at the National Conference of State Advisory Committee Delegates in June 1959. Stamped on the back is "GSA Printing and Publication Branch PHOTOGRAPHIC LAB."





LET FREEDOM RING

MSU'S JOHN HANNAH
HELPED TO ADVANCE
CIVIL RIGHTS

By David Bailey

As MSU celebrates two major civil rights milestones in 2014, an award-winning cultural historian recounts how President John Hannah helped position MSU at the forefront of the nation's post-war crusade for civil rights, both as university president and as the first president of the U.S. Commission on Civil Rights.



On a wintery morning in 1979, I made my way to lunch at Kellogg Center. I had never seen East Lansing, but my Canadian indifference to temperatures above absolute zero meant that I walked across the beautiful campus and admired the way it glistened. My wife and I were being considered as potential faculty members, and the lunch gathered together economists

After assuming the presidency in 1941, (Hannah directed that) black students, who had been forced to live in segregated halls, would henceforth be housed throughout the general student population.

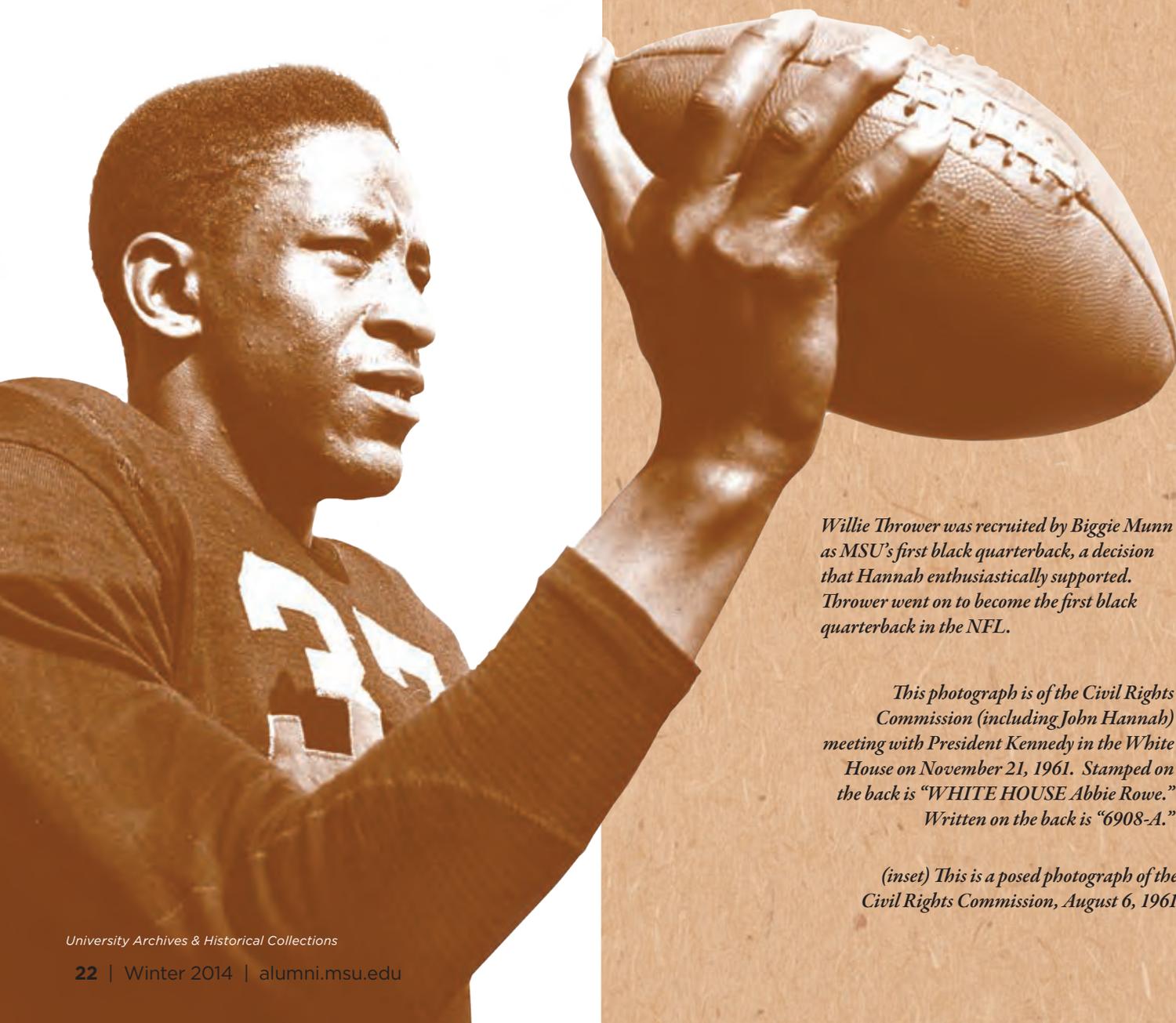
for her and historians for me. I sat next to a man in a Hawaiian shirt, convinced that he could not possibly be an economist. I was wrong. My companion was the labor economist Charles Patrick Larowe, known more commonly as “Lash.”

He asked me what I knew about John Hannah. Larowe then began to explain what Hannah meant to the university. I only later came to understand that Larowe had spent

much of his time at Michigan State as a self-defined thorn in Hannah’s side.

What I learned at that lunch, though, was that however much he disagreed with Hannah, Chuck (as he let his close friends call him) understood how important Hannah had been to the university they both loved.

My great good fortune continued when, just before Mary and I were taken to see Magic Johnson and friends play against Ohio



Willie Thrower was recruited by Biggie Munn as MSU’s first black quarterback, a decision that Hannah enthusiastically supported. Thrower went on to become the first black quarterback in the NFL.

This photograph is of the Civil Rights Commission (including John Hannah) meeting with President Kennedy in the White House on November 21, 1961. Stamped on the back is “WHITE HOUSE Abbie Rowe.” Written on the back is “6908-A.”

(inset) This is a posed photograph of the Civil Rights Commission, August 6, 1961

State in a crucial game on the path to the national championship, we were hosted for dinner by (former MSU president and economics professor) Walter Adams. While Chuck had been warm and funny, Adams was demanding and challenging. I turned the conversation to Hannah. Adams began to tell what turned into a flood of stories. He and Chuck would continue to add tales of Hannah to our conversations for the next 20 years. I would not characterize these stories as precisely fan's notes. They both had their issues with Hannah. What they both emphasized, though, is that the university was, in ways both huge and trivial, Hannah's vision made manifest.

In these and other conversations, I wanted to know how Hannah dealt with the many waves of change that were then flowing through America. I knew about the Vietnam project, and recently my colleague Charles Keith has taken the lead in creating a digital archive of the project's records, including material on Hannah's role. My student David Murley wrote a brilliant dissertation on Hannah's navigation through the shoals of the anticommunist crusade. David Thomas, in his important study of the Hannah years, *Michigan State College: John Hannah and the Creation of a World University, 1926-1969* (MSU Press, 2008), does a wonderful job on the move into the Big Ten and the important

role Michigan State undertook in the transformation of college sports.

These were not, in large measure, the stories Larrowe and Adams wanted to tell me. They knew my work was focused on the history of America's struggles over race. So they wanted me to understand Hannah as a figure of surprising importance in the greatest issue of his era—the post-war crusade for civil rights.

Hannah was born in Grand Rapids and while working in agriculture as a young man, he experienced relatively little of the complexity of American society. He made no major pronouncements on civil rights in his early years as president of Michigan State.

In fact, Hannah wasn't much for grand statements, at least not in words. He preferred specific actions. In small, practical gestures, he signaled to the administration that the future of the university he imagined would have to include African Americans as part of the transformation he sought. One of his first directives after assuming the presidency in 1941 was to the administration of the residence halls. Black students, who had been forced to live in segregated halls would henceforth be housed throughout the general student population.

Hannah also made it clear that he would not tolerate discrimination in intercollegiate athletics. He supported the



recruitment of black athletes, at a time when the color line, as it was known, still held sway over much of college sports. When Biggie Munn recruited Willie Thrower as the first black quarterback at Michigan State, Hannah enthusiastically supported the decision. Thrower went on to become the first black quarterback in the NFL.

Walter Adams told a story that demonstrated how Hannah dealt with bigotry in athletics. Adams was a member of the Athletic Council in the 1950s, and he was outraged that African American members of the baseball team were not sent south for spring games with the rest of the squad. It was well understood that they would not be able to stay in the same hotels, nor could they play at the still segregated southern universities. Adams wanted to forbid the team from travelling south. The Athletic Council rejected his proposal. (He recalled they also voted to expunge his motion from the record.) Adams took the issue directly to President Hannah.

“Give me 24 hours to think about it,” Hannah answered. The next day he announced that from that day forward the team would only play on military bases in the south. Hannah had been assistant secretary of defense for a brief period in the Eisenhower administration, and his task was to finish the job of desegregating army bases. He used his special knowledge about the military and the troubling problem Adams brought to him and came up with a remarkable and unexpected solution. The team could play in the south and still remain together.

Hannah continued to deal with issues of the civil rights movement in his unique and personal manner, much the way

Ernest Green, one of the “Little Rock Nine,” accepted a full scholarship at Michigan State.

He later discovered that Hannah had personally paid for the scholarship.

he ran the university as a whole. The *State News* made a small investigation of the inability of black students to get a haircut in the student union barber shop. Hannah ended this practice by bringing a black student with him to the shop and insisting that they both needed a trim. The barbers had to decide whether they would continue their restrictive practice or listen to the president. They quickly gave in. It was a small gesture, but it was Hannah’s style. Take care of the small fires and the firestorm might never arrive.

The Civil Rights struggle was taking over America in the 1950s, with *Brown v. Board of Education* and the Montgomery Bus Boycott only two of many great moments of confrontation. Congress had failed to deal with this, facing southern intransigence on any civil rights legislation. The Civil Rights Act of 1957 was at best a compromise bill. Many viewed it as weak and inadequate for the goal of integration and equal rights in America. One of its features was the creation of a Civil Rights Commission, which would have no enforcement authority, but which could travel around the country, providing opportunities for public discussion of segregation and discrimination. President Eisenhower wanted a serious leader for the

commission, but he also sought a chair who would not immediately elicit southern opposition. After several candidates failed the vetting process, John Hannah became Eisenhower’s choice. He was, in Ike’s view, “a good man.”

As always, Hannah took the position with great self-awareness. As he recalled in a later interview, he told the president, “I really didn’t know much about Civil Rights.” Ike responded that that was why he had been chosen. Hannah’s job was to learn from those who were suffering from discrimination and then explain their plight to the nation. Learning from experts was, indeed, one of Hannah’s greatest strengths. He had known nothing much about honors education when he established the Honors College. He was not a particular expert on football or basketball, yet he enjoyed a string of championships at Michigan State. Hannah’s skill as an administrator was that he trusted the system, and once again, he was given the rare opportunity to build a system, this time of investigation.

He was also extraordinarily fortunate in the decision to appoint Father Theodore Hesburgh to the commission. As Notre Dame’s president, Hesburgh shared some of Hannah’s views on the role of academic

leadership, although Hesburgh was politically much more liberal. At first, they may have been slight rivals, but Hesburgh learned quickly that Hannah was a brilliant tactician as well as a man of remarkable political skills. Many of the commission’s initial hearings in the south were held on military bases, again because the commission could avoid segregation laws. At one, in South Carolina, the black staff members were denied access to the officer’s quarters. “John Hannah blew a fuse,” Hesburgh later recalled. He immediately called President Eisenhower. As Hesburgh tells the story, Ike in turn got the general on the phone. “He said let me tell you something general if they don’t have room and board in the next five minutes, you’re going to be in Afghanistan tomorrow morning. Bang! And that was the end of that.”

Under Hannah’s leadership, the commission began to make proposals for changes in law, based upon the interviews and public forums he had led. By the 1960s, Hannah assumed President Kennedy would want to replace him with a Democrat, but the new president recognized that Hannah was using this commission in a way that built support for the great legal transformation that was to come. In his typically pragmatic view, Hannah insisted that “the commission made a record of the facts as they determined them to be and let the chips fall where the facts dictated.” He knew it was not in his power to change fixed opinions over the time he served on the commission. Instead, he wanted the commission to serve as “a conscience for the American people.”

Now as a national leader, Hannah faced the reality that

social changes of many kinds had come to Michigan State, some of them from the Civil Rights movement. One of the most difficult was the segregation of East Lansing housing. Through informal and formal means, real estate agents refused to show houses to African American buyers, including some of the new faculty recruited in the great transformative years of the 1950s and 60s on campus. David Dickson, a black scholar of literature with a Ph.D. from Harvard, had come to Michigan State in the 1940s. When he attempted to find housing near campus, he was always directed to inferior homes outside the city. Hannah intervened, according to Walter Adams, and arranged for Dickson to buy East Lansing property. Dickson later went on to become president at Montclair State College in New Jersey.

This was hardly a long-term solution. Hannah could not personally intervene each time a black family wanted to buy a house. Yet he preferred to work by changing the system or fixing abuses on a case-by-case basis. Young black activists, members of the campus NAACP, began to insist that he take more vigorous public positions on segregation and discrimination in Michigan. One of these students, Ernest Green, had been one of the children who had desegregated the Little Rock High School in 1957. He was invited, upon graduation to accept a full scholarship at Michigan State. He only later discovered that Hannah had personally paid for the scholarship. When Green received an honorary degree from Michigan State, he looked back with mixed feelings on this discovery, because he had led demonstrations demanding that

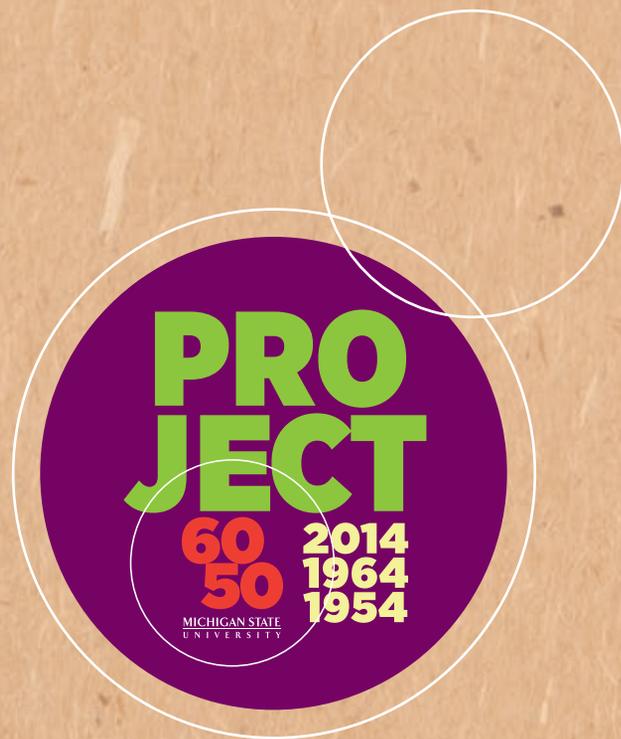
the university take a stronger stance on civil rights issues. “I bet sometimes he looked out his window,” Green says, “and wished he could get his money back.”

Other activists pressed Hannah to take a stance on the whites-only housing practice in East Lansing. Robert Green, an African American professor who was the central figure in the Center for Urban Affairs at Michigan State, recalled that he and several other concerned faculty went to Cowles House and convinced Hannah to issue a statement repudiating housing discrimination in East Lansing. After a long struggle and a crucial election, the city council finally passed a fair housing ordinance.

Perhaps Hannah was a somewhat reluctant activist on civil rights, as some of his critics insisted. Or perhaps he viewed his role as guiding the university and the community toward a gradual end of official bigotry. He would have insisted that the best way to judge an institution is not by what it says but what it does. Equally important, in his view of academic leadership, he believed that his personal opinions mattered less than those actions which advanced the cause of Michigan State, the state of Michigan, the country and the world. 📍



📍 *David Bailey, MSU professor of history specializing in American cultural history, has won numerous teaching awards since joining the MSU faculty in 1979. A native of Canada, he graduated from SUNY-Buffalo and received his Ph.D. from the University of California-Berkeley.*



MSU'S PROJECT 60/50

In 2014, MSU will launch a year-long effort to commemorate, remember and explore the post-war American focus on civil and human rights. Project 60/50 will celebrate two transformative events—the 1954 Supreme Court decision in *Brown vs. The Topeka Board of Education*, and the 1964 Civil Rights Act—and will extend the conversation beyond these milestones to include a much broader perspective.

“At MSU we welcome a full spectrum of experiences, viewpoints and intellectual approaches because it enriches the conversation and benefits everyone, even as it challenges us to grow and think differently,” explains President Lou Anna K. Simon.

The conversation will involve faculty, students and the community, and include ground-breaking experiential activities and programs in support of the theme. Some planned activities include an educational conference, resource fair, museum displays, special concerts and musicals, law symposia, live and broadcast lectures and a commemorative march.

Project 60/50 is coordinated by the MSU Office for Inclusion and Intercultural Initiatives.

📍 For more information, visit www.inclusion.msu.edu/Project6050/.

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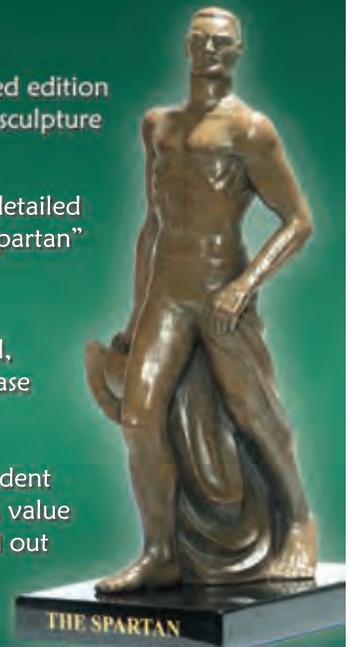
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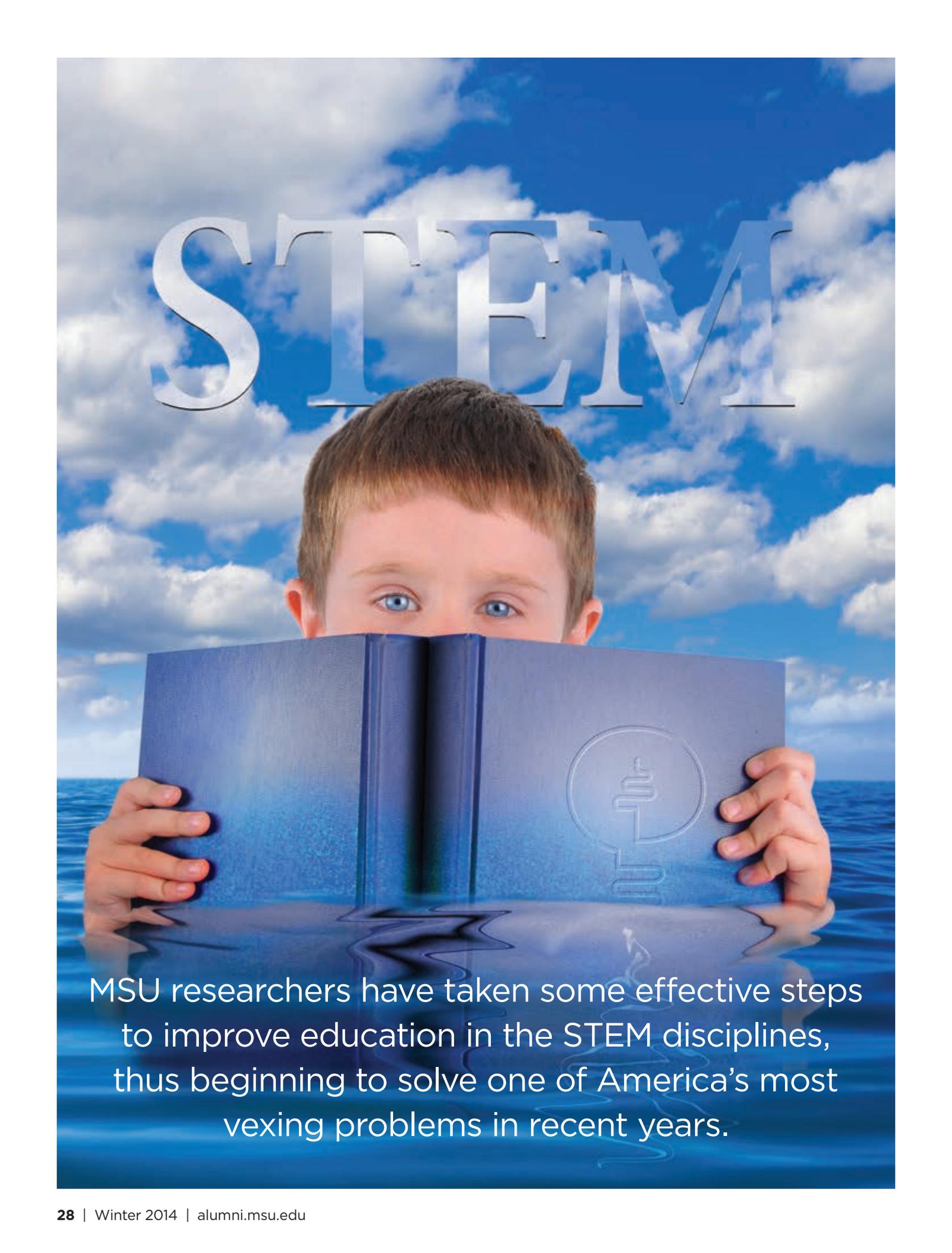
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STEM



MSU researchers have taken some effective steps to improve education in the STEM disciplines, thus beginning to solve one of America's most vexing problems in recent years.

Stemming the

TIDE

MSU's Solution to the STEM Education Crisis

By *Laura Seeley, '80*
& *Val Osowski, '81, MA '86*

How many STEM graduates will it take to invent the next light bulb—or engineer better medicines and medical technologies, or develop new tools and resources for providing access to clean water or for restoring and improving our aging infrastructure?

Within the next decade, American businesses will require a million additional graduates with degrees in science, technology, engineering and mathematics degrees—collectively known as the STEM disciplines—in order to remain competitive internationally, according to the President's Council of Advisors on Science and Technology (PCAST).

Yet, many American students are not performing as well as needed in these fields, according to R. James Kirkpatrick, dean of MSU's College of Natural Science.

Results from recent international assessments of the science and mathematics achievements of fourth- and eighth-grade students in more than 50 countries found that U.S. students ranked seventh

in fourth-grade science and tenth in eighth-grade science, with Singapore and Taiwan leading the rankings. In math, only 7 percent of U.S. students reached the advanced level in eighth-grade math, compared with 48 percent of eighth-graders in Singapore and 47 percent of eighth-graders in South Korea.

“At the university level, there are significant concerns that the United States is losing its leadership position in science and technology education as the demand for employees with strong STEM backgrounds continues to increase,” Kirkpatrick says. “Providing new levels of STEM education for today's students is crucial to meet the changing needs of students and ensure their success in these critically important fields.”

This is not a new problem, according to Glenda Lappan, MSU Distinguished Professor of Mathematics. As early as 1975, Lappan and two of her colleagues in the mathematics department felt that middle school mathematics teaching materials were “woefully inadequate at capturing the imagination of students.”

“Elementary school students were not learning a lot about mathematics,” Lappan explains. “Unfortunately, students were not learning a lot about mathematics in middle school, either. Consequently, they were not well prepared for entering high school. And about 28 percent of incoming MSU freshmen were being placed into a remedial algebra course.

Improving the STEM Education Equation

“We felt that if we could do something that would improve students' learning of mathematics, then our university and other universities across the United States would benefit,” says Lappan (see sidebar on p. 33).

In the early 1980s, she and colleagues Elizabeth Phillips and the late William Fitzgerald began to visit middle school classes in Michigan.

“We wanted to see if we could design more interesting ways to engage students in learning mathematics,” Lappan says. “We found that classroom discussions were focused on teachers telling students what they should see in

the mathematics. Classes were arranged to promote students staying in their seats and thinking alone about how to follow mathematical procedures. We felt a great need to help students learn and enjoy what they were learning.”

With funding from the National Science Foundation (NSF), Lappan and her colleagues created five units, each of which focused on an important mathematical idea. In each unit, the mathematics was embedded in a sequence of problems that promoted deeper understanding and engagement with mathematics.

“They were an instant hit,” Lappan says. “Teachers began telling us: ‘You got us hooked with these five units. You can't open the door to something that makes this kind of difference and not do more.’”

Those five units—originally referred to as the Middle Grades Mathematics Project (MGMP)—segued into the Connected Mathematics Project (CMP). CMP is a complete middle school mathematics curriculum, co-authored by Lappan, Phillips and Fitzgerald, along with James Fey from the University of Maryland and

Susan Friel from the University of North Carolina. Development of the curriculum, supported by a \$5 million NSF grant, began in 1991 and took six years to complete. The second iteration of CMP was also funded by a \$4.5 million NSF grant.

“NSF felt the same as we did,” says Lappan. “If we didn’t do something about middle school math, we were never going to get high school graduates into STEM fields in college.”

A recent report by the President’s Council of Advisors on Science and Technology (PCAST) found that fewer than 40 percent of students who enter college intending to major in a STEM field actually complete a STEM degree.

Today, approximately 30 percent of all middle schools in the U.S. use the Connected Mathematics Project curriculum developed at MSU.

Teachers say it does a far better job of engaging students.

“To test our early CMP materials, we engaged with a large group of teachers in summer institutes to help them understand what we were trying to accomplish,” Lappan explains. “Then we gave them the materials to use. The teachers who had been at these summer institutes were armed and ready to use what became the first iteration of Connected Mathematics.”

Both iterations of CMP were extensively field-tested over several years in diverse classrooms around the nation.

“Our idea was that we would give teachers a core curriculum that would serve all students, including students who were ready and able to push further,” she continues. “This approach worked extremely well in the first two iterations—so well that it has become a standard element of future CMP materials.”

Each year for the past 19 years, approximately 275 teachers and leaders have attended the week-long Getting to Know CMP summer workshops and about 250 have attended the two-day annual February CMP Users’ Conference on campus.

“In both settings, the participants engage in intensive work in mathematics and pedagogy,” Lappan notes.

In August 2013, Callie Heck (B.A. mathematics ’04; M.A. curriculum and teaching ’08), a teacher at Holt Junior High in Holt, Mich., attended one such course. Heck has used CMP in her classroom for the past three years.

“The big difference I see is that students are doing the math in the classrooms,” Heck says. “They are engaging in the problems, figuring things out, coming up with strategies.”

For the unit on negative numbers, for example, CMP devised a system using red and black chips that relate to profit and loss. This provides a physical model, allowing students to figure out the properties of positive and negative numbers when they are added, subtracted and multiplied. Within the probability unit, spinner games and marble games are used as ways to look at experimental versus theoretical probabilities.

“With other textbooks I’ve used, the students were more recipients of the math, they were expected to absorb and reproduce—as opposed to generate or

think through,” Heck says. “And CMP makes me think more!”

Heck adds that typically, on a weekly basis, one of her students thinks of a new way to do a problem.

“In a traditional curriculum the student would never get the chance to do that,” she notes. “This validates the student and allows for students to drive the course of the class, or at the very least the discussions that the teacher has, unlike most other classrooms.”

“It has been a great joy to see students across the nation learning from these materials,” Lappan says. “As students have learned, so have teachers across the United States, as well as many in other countries.”

Today, approximately 30 percent of all middle schools in the United States use the curriculum.

“I think we’ve made a difference,” Lappan says. “We’ve seen mathematics scores go up in many districts that are using our curriculum materials.”

Money generated from the first and second iterations of the CMP textbook helped fund the third iteration, which was published this fall.

“We are grateful to the National Science Foundation for their support for the first two iterations of CMP and to Michigan State University and the University of Maryland for their support for iteration three,” Lappan says.

Connected Mathematics Project – Third Edition (CMP3)

For nearly 20 years, middle school students have been connecting with math in a unique way, thanks to CMP materials. There has been a startling transformation in the way middle school mathematics is taught today.





Within the next decade, America will require a million additional graduates with degrees in the STEM disciplines—**science, technology, engineering and mathematics—to remain competitive internationally.**

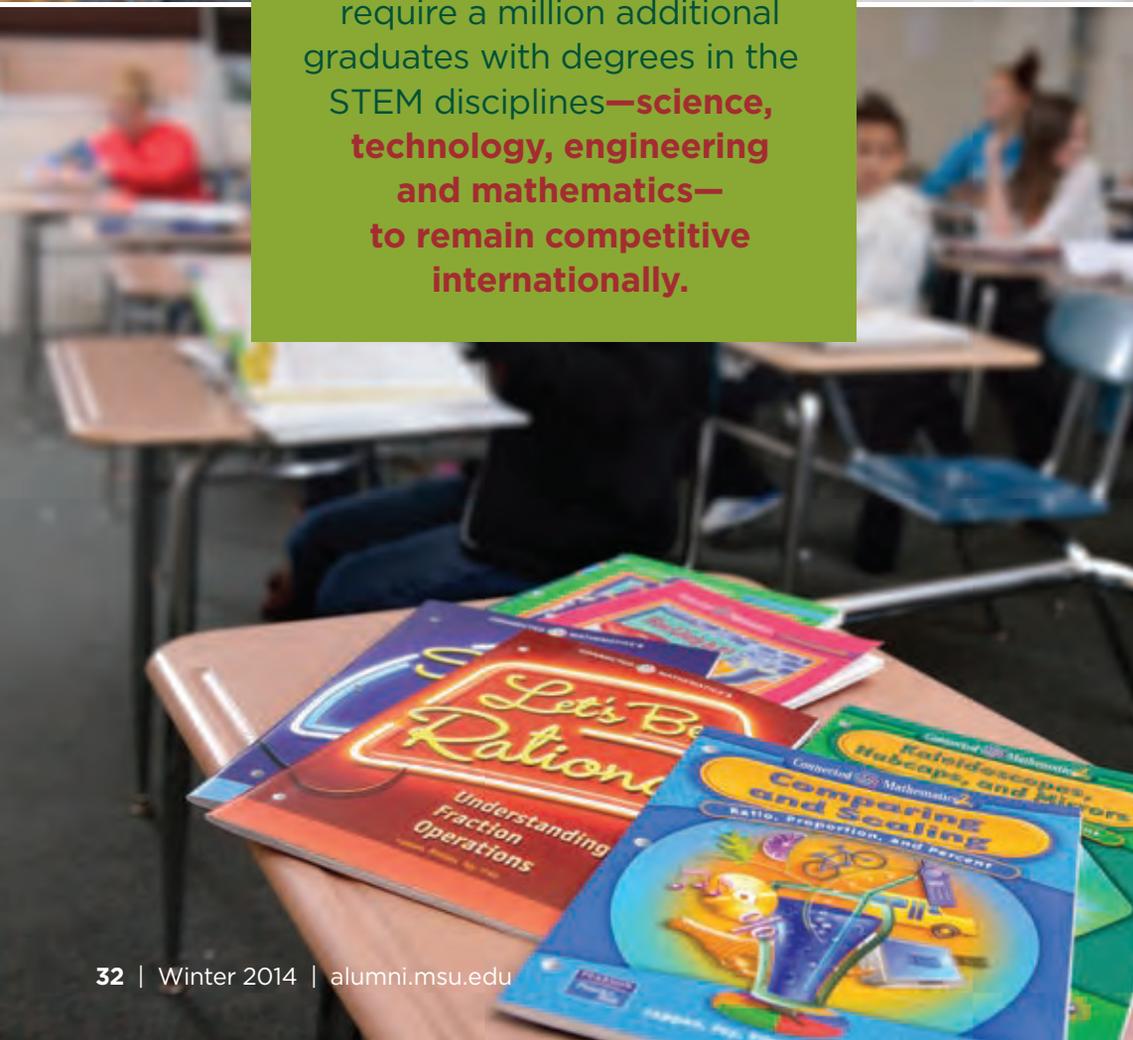
“We just finished the third iteration of the curriculum—CMP3—which is focused on making the curriculum materials even better, as well as aligning with the Common Core State Standards,” Lappan says.

CMP3 also takes advantage of the latest technologies, giving teachers even better ways of using CMP in their classrooms.

“This iteration of CMP has helped us to enter the digital age,” Lappan says. “Teachers will have devices to capture classroom engagement and to make notes that will help in planning. Being able to capture moments that a teacher wants to revisit with students is powerful for planning lessons and for helping a teacher track student progress. Students are much less likely to be ‘lost’ in a classroom now that teachers and students have better ways of communicating.

“As the cohort of teachers across the nation becomes even more aware of the usefulness of digital devices, the better the opportunities students will have to learn,” Lappan continues. “However, we cannot expect this to happen overnight. Teachers themselves need time and opportunities to work with each other and with consultants who can help them learn together and use technology in meaningful ways to promote student learning.

“Some worry that technology in the classroom may become a distracter, a tool that students can use to create interesting scenarios that promote little mathematical learning,” she adds. “To avoid this, teachers set norms in their classrooms that guide students in using technology for learning mathematics rather than primarily for play. However, we must consider ‘playing’ that involves mathematical ideas is a great motivation for learning mathematics!”





LAPPAN-PHILLIPS PROFESSORSHIP of Science Education

Royalties from the *Connected Mathematics 2* textbook, the single most widely used mathematics textbook in America for students in grades 6-8, have been donated by Glenda Lappan and Elizabeth Phillips to MSU to create the Connected Mathematics Project 2 (CMP2) Fund.

This has made possible the Lappan-Phillips Professorship of Science Education, among other things.

Last spring, Melanie M. Cooper, an Alumni Distinguished Professor of Chemistry at Clemson University, was named the first Lappan-Phillips Professor of Science Education in the MSU Dept. of Chemistry.

“These Connected Math funds are an extraordinary and special resource for MSU,” says Kirkpatrick, dean of MSU’s College of Natural Sciences. “I know of no other university that has these kinds of resources to spend on math and science education. This professorship is a perfect example of how we can leverage these funds to improve the education of our own students, education at the K-12 level and research on STEM education within disciplines. We are most grateful to Glenda and Betty for helping to make this professorship possible.”

Cooper says the professorship will serve to advance her work and provide a significant boost to the discipline-based education research (DBER) field.

Other areas that CMP funds are helping include: Operational support for PRIME (Program in Mathematics Education) Graduate Program; the Create-4-STEM Institute (jointly sponsored by the Colleges of Natural Science and Education) 1825 Project, “Developing Mathematical Proficiency for Success in Undergraduate Education and STEM Disciplines;” start-ups for several faculty members in STEM education; seed money for research projects in STEM education; and the Lappan-Phillips-Fitzgerald Lecture Series and Mathematics colloquium.



In March, MSU Acting Provost June Pierce Youatt (right) helped perform the investiture ceremony with Melanie Cooper as MSU’s first Lappan-Phillips Professor of Science.



MSU—A Venue for First-Rate STEM Education

Partnering with the College of Education and Lyman Briggs College, the College of Natural Science aims to make MSU a venue for first-rate STEM education. They continue to develop new programs and approaches to meet the changing needs of students, including the Program in Mathematics Education (PRIME); The Institute for Collaborative Research for Educational Assessment and Teaching Environments (CREATE for STEM); an annual MSU Women in STEM conference; and Foundations of Science: A Massively Open Online Course (MOOC), which is now available worldwide (see sidebar on p. 34).

The staying power of the ideas that Fitzgerald, Phillips and Lappan generated and tried out in classrooms three decades ago is astonishing. Unfortunately, Fitzgerald died in 1998 and was not able to celebrate the longevity of the materials. In 2002, the Lappan-Phillips-Fitzgerald (LPF) Endowed Chair in Mathematics Education was created using royalties from CMP in honor of CMP’s three founders. The Lappan-Phillips Professorship of Science Education (see sidebar) was also made possible by royalty proceeds donated to MSU.

After nearly 50 years at MSU, Lappan will retire this spring.

“I’ve had a remarkable career,” Lappan says. “To say this has been a

labor of love is an understatement.”

She believes that CMP will be in good hands after her departure.

“It takes people who understand teachers, who are willing to get engaged with teachers so that, as you build the curriculum, you build the set of people who are going to be using this curriculum and talking about the curriculum,” Lappan says. “You need to be in touch with what is new in the terrain and then discern what you need to do to connect it to mathematics.

“CMP is a brand in the nation,” she notes. “In order for that brand to continue, we have to have people involved who understand the great care that has gone into creating materials that raise the ante for kids and for teachers. We’re trying our best to leave a legacy that can continue.”

“Enhancing overall student learning in the STEM fields is at the core of our college and Michigan State,” Kirkpatrick says. “MSU graduates have great impact around the world. We will continue to ensure that future alumni have the education they need to compete for jobs and to lead the nation in maintaining and building its competitiveness and leadership.”

► **Laura Seeley, '80**, is president of *Classic Writing & Editing Services, LLC* in Haslett. **Val Osowski, '81, MA '86**, is communications director of the *MSU College of Natural Science*.



KEY STEM PROGRAMS in the College of Natural Science

◆ **The Connected Mathematics Program** - An initiative created to improve the level of mathematics ability of K-12 students with a focus on the middle school years has profoundly changed the way that mathematics is taught in the U.S. Today, approximately 30 percent of all middle schools in the country use the Connected Mathematics textbook. The third edition (CMP3), designed to meet the new national Common Core State Standards in mathematics, has just been published.

◆ **Program in Mathematics Education (PRIME)** - Provides scholars, teachers and students with a deep understanding of the teaching and learning of mathematics. Also, home to the Mathematics Education Graduate Program. It supports activities including the Lappan-Phillips-Fitzgerald Mathematics Education Colloquium Series, a mathematics learning research group, and a summer course for middle school mathematics.

◆ **The Institute for Collaborative Research for Educational Assessment and Teaching Environments (CREATE for STEM)** - An interdisciplinary research institute focused on K-12 and university mathematics and science education. Sponsored by the Colleges of Natural Science and of Education, it aims to improve teaching and learning in the STEM disciplines through research and professional development efforts.

◆ **MSU Women in STEM conference** - An annual conference geared toward early to mid-career alumnae. Participants connect with other MSU alumni in STEM professions, expand their professional networks, and acquire tools and knowledge that can assist them in furthering their career objectives.

◆ **Foundations of Science: A Massively Open Online Course (MOOC)** - Online instruction courses in the STEM disciplines reach large numbers of people at a relatively low cost. This MOOC is available worldwide.

◆ **Center for Integrative Studies in General Science (CISGS)** - Provides students who are not majoring in science, mathematics, or engineering with an understanding of major concepts in the biological and physical sciences.



▲ *The Connected Mathematics Project (CMP) team in the MSU Dept. of Mathematics: (L to r) Jacqueline Stewart, member of the CMP development team; Yvonne Grant, member of the CMP development team; Elizabeth Difanis Phillips, senior academic specialist and co-author of CMP materials; Judith Miller, administrative assistant; Glenda Lappan, University Distinguished Professor of Mathematics and co-author of CMP materials; and Erin Lucian, communication senior and undergraduate assistant for CMP.*



GLENDALAPPAN

University Distinguished Professor of Mathematics



Glenda Lappan has come a long way—from farm girl in southern Georgia to MSU Distinguished Professor of Mathematics. Due to her perseverance, and her dedication as a mathematics teacher and researcher, there has been a startling transformation in the way middle school mathematics is taught today.

Lappan, an only child, grew up in a family that didn't have a lot of financial resources. Whenever she was asked about going to college, she'd respond: "I know that we don't have money, but I have a plan. I'm going to work really hard, I'm going to save my money, and some day I'm going to get to go to college."

And she did. She was awarded a full scholarship and earned her bachelor's degree from Mercer University in 1961. She taught high school mathematics in Douglas, GA, and then earned her master's and doctoral degrees from the University of Georgia in 1963 and 1965, respectively.

Lappan joined MSU as an assistant mathematics professor in 1965. After teaching mathematics and mathematics education for 10 years, she turned her attention to mathematics curriculum research.

With colleagues Elizabeth Phillips and the late William Fitzgerald, Lappan developed the Connected Mathematics Project (CMP), a curriculum now used by approximately 30 percent of all middle schools in the United States. The third edition of the curriculum—CMP3—was published in fall 2013.

In 1998, Lappan was designated University Distinguished Professor in recognition of the importance of her work. In 2002, the Lappan-Phillips-Fitzgerald Endowed Chair in Mathematics Education was created in honor of CMP's three founders.

Lappan will retire this spring after 50 years at MSU. She plans to spend time traveling with her husband.



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Sparrow Spartan Spotlight



Center for Innovation and Research makes first grant

Sparrow and Michigan State University's Center for Innovation and Research made its first grant this fall.

The Center, created last year, is a major joint initiative between Sparrow and MSU that aims to seek new approaches to quality, safe, and cost-effective care.

The \$75,000 grant was awarded to Erin Sarzynski, M.D., M.S., of MSU, Department of Family Medicine, Geriatrics Division, to develop and test a mobile app that will streamline medication management for Patients.

Dr. Sarzynski is partnering with Ronald Melaragni, RPh, Director of Sparrow Pharmacy Plus,

and David Weismantel, M.D., M.S., Director of the Sparrow-MSU Family Medicine Residency Program.

"The Center was created to focus on high-priority projects that can be rapidly developed and deployed for the benefit of our Patients," said Interim Director of the Center, Barbara Given, Ph.D., R.N., F.A.A.N., MSU Distinguished Professor and Director of the PhD Program.

"We hope this research will develop an innovative solution and prevent avoidable hospital-izations that will promote patient safety and quality of care."



The Center also launched a new website at sparrowmsuinnovations.msu.edu.

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Brand New Single Family Homes in East Lansing

As part of the City of East Lansing's ongoing effort to bring family-friendly neighborhoods and diversified living options to the East Lansing community, Avondale Square will feature single-family homes and two small pocket parks at completion. The 30 distinctively designed homes are located in a prime location, within convenient walking distance of East Lansing schools, parks, City amenities and the downtown. The Avondale Square homes will be sold at varying price points, including the sale of 12 income-qualified residences.

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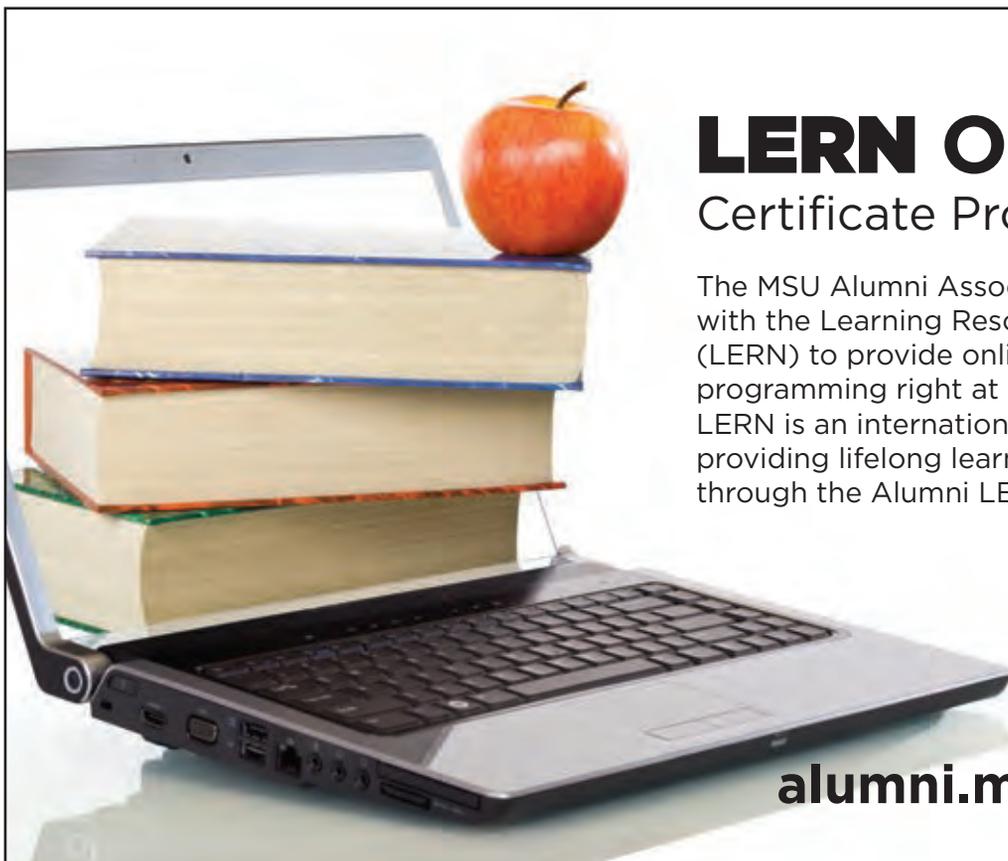
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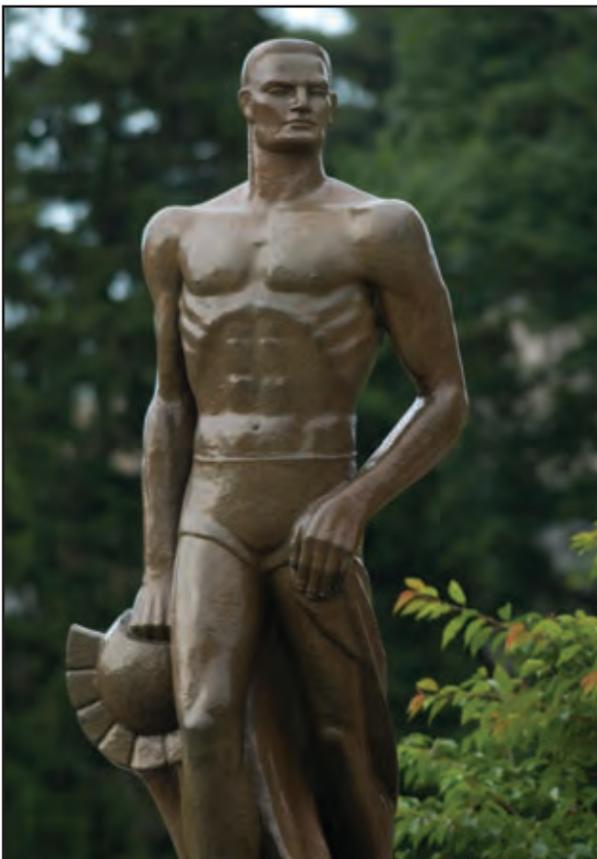


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NEIGHBORHOOD ENGAGEMENT CENTERS:

A NEW MODEL FOR STUDENT SUCCESS



Photos courtesy of Residential and Hospitality Services



By Eric Anderson, MA '13

MSU pioneers a new living concept that can help students enjoy more success in all phases of college life right away. Early results look promising.

How can MSU students make the most of their college experience and take full advantage of all the resources and opportunities available on campus?

Many obstacles can impede one's journey through college, ranging from not having the right study habits to uncertainty about choosing career paths to adjusting to lifestyle changes in independent living. These problems can result in emotional distress and classroom underperformance, among other outcomes.

Three years ago, to enhance student engagement and success, MSU came up with a bold new idea to help with the transition to college. Why not centralize resources that support all aspects of student life right in the residence halls where most live? Thus was born the "Neighborhood Engagement Centers."

MSU has essentially divided the campus into five neighborhoods—Brody, East, North, River Trail and South.

An Engagement Center in each neighborhood supports students academically, physically and emotionally with a broad array of services from physical fitness and health to social and academic needs. "Many academic, student affairs and residential life units have partnered to achieve the goal," says Vennie Gore, vice president for MSU Auxiliary Services. "An unprecedented amount of resources will be centralized and instantly accessible. Finally, over time we will be able to track data to help us fine tune which resources and services are the most effective."

The notion of student engagement is not new. But the use of Neighborhood Engagement Centers as the vehicle for that engagement has broken new ground, especially with the immediate availability of resources for all aspects of student life. The initiative is still young but the early impressions, as well as the potential for new discoveries, says Gore, suggest that Engagement Centers are well on their way to becoming a leading model for student engagement.

A Pioneering Alignment of Resources

While the idea of placing resources right where students live may seem like a simple idea, the development of the initiative required a complex combination of forward thinking by MSU's leadership, a collection of funding and resources and a commitment to making these centers a reality.

"The conditions were really perfect," says Kristen Renn, associate dean of Undergraduate Studies and director for Student Success Initiatives. "The vision, the commitment to and availability of funding and the laser-like focus of the leadership, it's very rare for those three stars to align."



“Walk through the halls in the evening and you’ll see 30 students in a Zumba fitness class or 90 students in a tutoring session, giving you a great sense of community . . .”



One aspect of the Engagement Centers that helped to drive support was the wide range of university partners that would have the opportunity to collaborate and positively impact students. The goal of the Engagement Centers was to support every aspect of student life, which includes a student’s living situation, academic performance and overall health. This drew interest from academic faculty members, representatives from MSU’s Residence Education and Housing Services, health practitioners and more.

“All of the parties had a similar desire for students to succeed but their ideas of student success were different,” says June Pierce Youatt, acting provost. “They were specific to the areas in which they worked. Once these partners realized that we viewed student success as something well rounded and touching on a wide range of areas, they saw the role they could play. They stopped talking about their goals and started supporting our collective vision for student success.”

The efficiencies resulting from Neighborhood Engagement Center partnerships also served as a factor for motivating support.

In a large university like MSU, it is crucial that student resources are distributed in a cost-effective manner to ensure that students are getting the most value from their investment. By placing these resources in centralized locations in each of the Neighborhoods, steps away from where students, eat, sleep or attend class, the chance that students take advantage of them is increased greatly.

“The Engagement Centers have enhanced student life by enabling students to get help quickly by coming to a one-stop-shop to receive any help they need,” says Julia Garvey, a senior studying communications and Brody Engagement Center student peer assistant.

Making the Scholarly Culture Visible

Engagement Centers are currently up and running in all five of MSU’s Neighborhoods—Brody, East, North, River Trail and South. Brody includes Armstrong, Bailey, Bryan, Butterfield, Emmons and Rather Halls; East includes Hubbard, Holmes, and Akers Halls; North includes Abbot, Mason, Phillips, Snyder, Campbell, Gilchrist, Landon,

Mayo, Williams & Yakeley Halls; River Trail includes Van Hoosen Apartments, and McDonel, Owen and Shaw Halls; and South includes Holden, Wonders, Case and Wilson Halls.

A number of innovative student engagement initiatives are starting to take effect. Some of the best examples of this are the new opportunities for professors to connect with students. Oftentimes, busy student schedules or large class sizes can make it difficult for a student to receive the individual attention or assistance they are looking for. However, thanks to the academic support structures available in Neighborhood Engagement Centers, professors can pass along information directly to Engagement Center tutors. This allows them to identify issues they see their students dealing with and how students can overcome these issues. Residential staff can also take part in visiting students in their rooms or in study spaces to inform them about opportunities for tutoring or other academic assistance, underscoring the academic culture and increasing a student’s chances for success.

“Some classes can be especially

difficult for first-year students,” says Kelly High McCord, director of the Brody Neighborhood Engagement Center. “To help ease the transition to college, academic departments arrange to have teaching assistants come into the Engagement Center to support students in courses they may find challenging.”

The Engagement Centers also feature a range of study areas throughout the building for everything from a single-person desk or table to an enclosed group study area. These areas, located immediately off main hallways in residence halls, are available for general study, tutoring sessions, larger writing clinics and a number of other uses.

“When a student goes to dinner or returns from class, he or she sees undergraduate research posters on walls or other students studying in Engagement Center study spaces,” says Reggie Noto, director of the Engagement Center in East Neighborhood, located in Hubbard Hall. “While each center is unique, the open design of the study spaces is a unifying element that makes the academic culture visible and works to remove the stigma that



might be associated with seeking out academic help or tutoring.”

The health practitioners enjoy a similar set up. With a health clinic in every Neighborhood, MSU’s Student Health Services can now provide more convenient access to care and treatment. Furthermore, MSU’s Olin Health Center has a direct outlet for relaying helpful information and preventive measures about any health-related trends or seasonal issues they see arising, helping to keep campus hale and hearty. Engagement Centers also host various fitness classes to support the physical well-being of students.

“Fitness classes allow students to participate in free, instructor-led group exercises right in their neighborhood,” says Mackenzie Taylor, a Brody Engagement Center peer advisor and senior studying kinesiology and pre-medicine. “As a freshman or at any class level, this is a great opportunity because not only do you get to meet people who live in your neighborhood, but you also get to work out for free.”

Neighborhood Engagement Centers have also proven to be a helpful home for MSU’s Career Services. Career advisors are avail-

able for consultations throughout the day to provide convenient and immediate assistance or advice, helping students to start thinking about and preparing for their futures early in their college careers.

Finally, Engagement Centers work to strengthen the sense of community established within the Neighborhood model. The

are meant to touch on every aspect of student life and will only grow as the Engagement Centers become more established.

“People who come to take tours of the Engagement Centers during the day get a good idea of what they have to offer, but the best representations are available in the evening,” says Kelly High

advantage of Engagement Center services and they realize these resources aren’t just for those who are struggling; they are for those who want to excel.”

Future Opportunities for Discovery and Innovation

While most of the Engagement Center’s focus is on immediately impacting student outcomes, there are also a number of long-term implications for the work being done in MSU’s Neighborhoods. The pioneering nature of the Engagement Centers means there is the potential for experimentation and exploration to determine what methods of student engagement prove to be most effective.

One example of this will be the Engagement Centers’ impact on four-year graduation rates. This overall metric, as well as differences in achievement rates among members of different demographic groups, has been identified by MSU as in need of improvement. By tracking how students who use Engagement Center services fare versus those who do not, the efficacy of certain services and programs can be assessed.



One metric MSU tracks is the Engagement Centers’ impact on four-year graduation rates within demographic groups.

centers serve as central meeting places and have the space to host social events. While every Engagement Center is unique, many host various student groups on a weekly basis, feature community kitchens which are capable of hosting cooking events or classes and offer basic lounge spaces for meetings or relaxing with friends. The Engagement Center resources

are meant to touch on every aspect of student life and will only grow as the Engagement Centers become more established. “Walk through the halls in the evening and you’ll see 30 students in a Zumba fitness class or 90 students in a tutoring session, giving you a great sense of community fostered by the Neighborhood Engagement Centers.”

“A scholarly environment takes hold because students see their friends and peers taking



“Neighborhoods can become a place to collect and evaluate data to analyze and improve programs and services to students,” says Kris Renn. “During the academic year, we can use Engagement Centers to build and assess on the go.”

During the first half of fall semester, as the final two Engagement Centers were brought online, the three active centers hosted more than 15,000 students for various services. Now that all five Neighborhoods feature Engagement Centers, those numbers look to grow, which brings further opportunities to assess these student engagement methods.

Finally, as the list of Engagement Center services and partners grows, so too will the role the centers play in the lives of students. The Engagement Center concept is still in its infancy but the resources,

classes and other services available are already becoming common place in students’ day-to-day lives.

“I brought a friend of mine, an MSU alum and former Hubbard Hall resident, through the Hubbard Hall Engagement Center recently,” says Reggie Noto. “It has come so far and he was amazed that this was the same place he had lived during his time at MSU.

“However, for current students, these Engagement Centers and the resources they provide are a

basic part of everyday life and taking advantage of them has become the norm.”

Promising Early Results

The Engagement Center initiative is still young in its development, but already the results are promising. More and more students are learning about and seeking out Engagement Center resources and the list of campus partnerships continues to grow. As these centers continue to ex-

pand and develop, their methods will be refined through evaluation and assessment, improving services for future Spartans. There is still a good deal of work to be done, as the Engagement Centers and the Neighborhood model join the countless other initiatives being conducted across campus with the goal of enhancing student success. Nevertheless, the promise and potential of the Engagement Centers have many excited as Michigan State University strives to build our high performance culture. 

► *Eric Anderson, MA '13, is a communications manager for the Creative Services Dept., MSU Residential and Hospitality Services. He graduated from Hope College and recently received his master's degree from MSU.*

“The vision, the commitment to and availability of funding, and the laser-like focus of the leadership, it’s very rare for those three stars to align.”



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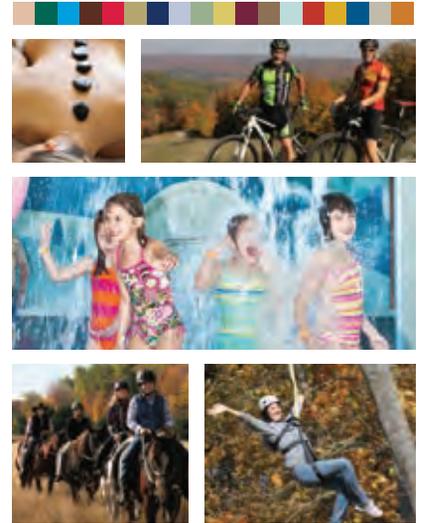
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MSU MAKES THE 100TH ROSE BOWL GAME

Players celebrate (with roses) after their thrilling victory over Ohio State at the Big Ten championship game in Indianapolis. With their 34-24 win, MSU became the first team in history to go 9-0 in the conference with double digit wins in every game.

Inset right: Jeremy Langford set an MSU record with eight consecutive 100-yards-plus rushing games. Inset left: Tony Lippett catches a touchdown pass from Connor Cook, the game's MVP.



Photos courtesy of MSU Athletic Communications / Matt Mitchell.



By Robert Bao

In his seventh season as head coach, Mark Dantonio leads MSU to the Big Ten championship and the “Promised Land” of Pasadena, CA.

In one of the greatest triumphs in MSU football history, the Spartans defeated Ohio State 34-24 in the conference championship game in Indianapolis—marking the first time a team went 9-0 in Big Ten play. To boot, MSU won every conference game by double digits.

Before the season, Big Ten Network analysts picked four teams they thought could win the division—none of them being MSU. The narrative by some media and fan bases was that after two great years, Spartan football would drift back to mediocrity. But after MSU pounded archrival Michigan into submission 29-6, ground out a solid 41-28 win at Nebraska and secured the division title with a 30-6 win at Northwestern, the narrative changed dramatically.

“With each successive game, with each victory, what was previously a curious buzz surrounding Michigan State has steadily grown into a menacing roar,” writes *Detroit Free Press* columnist Drew Sharp, who calls MSU competing for the Big Ten championship “the new normal.”

In 2013 the Spartans did more than find the missing “inches” from last season—they turned them into yards and became the only team in Big Ten history to go 9-0 in the conference while winning every game by a double digit margin. An identity has emerged for Dantonio football—stop the run first on defense, attack with discipline and control time of possession with a steady, balanced offense. Dantonio prefers to grind out wins through sustained physical dominance rather than blitzkrieg strikes. His special teams are reliable, yet very capable of trick plays that usually work and have cute names, such as Charlie Brown (vs. Nebraska) and Hey Diddle Diddle (vs. Iowa).

The defense enjoyed national prominence by leading the nation in several categories, including total defense, rushing defense and yards

Photos courtesy of MSU Athletic Communications.



Connor Cook (left) hoists his MVP trophy after throwing for three touchdowns and 304 yards against the Buckeyes. Mark Dantonio shows off the championship trophy alongside senior linebacker Denicos Allen, who made the critical stop on Braxton Miller on fourth down late in the game.

allowed per play. MSU also led the nation in time of possession. The win over Michigan on Nov. 2 typified MSU's modus operandus. The so-called "Spartan Dawgs," led by senior linebackers Max Bullough and Denicos Allen, limited the Wolverines to minus 48 yards rushing and just six points—way under their 42.4 average—while collecting seven sacks and an interception. Sophomore defensive end Shilique Calhoun and members of the "No Fly Zone" defensive backfield—Jim Thorpe Award finalist Darqueze Dennard, Trae Waynes, Isaiah Lewis and Kurtis Drummond—caused key turnovers. The MSU offense dominated the trenches while methodically out-gaining the Wolverines 394 to 168 yards. Freshman kicker Mike Geiger was a perfect 3 for 3 on kicks, while senior punter Mike Sadler always threatened with his knack for placing punts inside the 10-yard line.

Respect for MSU's football program, however, came grudgingly. It took until mid-Novem-

For the fourth time since 2008, MSU made the Big Ten championship game. You can call it the new normal.



ber for the Spartans to ascend into the Top 14 in BCS rankings, until December to crack the Top Ten. Winning did earn the players due publicity from television programs like ESPN's *GameDay* and the Big Ten Network's *The Journey*.

Early on, such success seemed remote. MSU's offense sputtered and lacked "explosive" plays. Half of MSU's first six TDs were scored by defensive star-emergent Calhoun. But as sophomore quarterback Connor Cook gained experience, as the offensive line began to gel and as receivers learned to hold onto the pigskin, the offense started to hum. Cook eventually carved a 10-1 record as starter; he proved deadly accurate when converting third downs. Junior Jeremy Langford

emerged as the post-Le'veon Bell running back and became the first Spartan back since Lorenzo White to notch seven straight games of more than 100 rushing yards. Credit the offensive line led by sophomore center Jack Allen and senior guard Blake Treadwell. They helped enable Langford's explosive, game-icing runs against Michigan, Nebraska and Northwestern.

The Spartans began their Big Ten win streak after a 17-13 setback in South Bend, where five controversial pass interference calls against MSU keyed Notre Dame's touchdowns.

A 26-14 win at Iowa opened some eyes. Against a stout defense run by former MSU star Phil Parker, in an unfriendly venue, Cook showed signs of explosive-

ness, throwing 46 yards to sophomore MacGarrett Kings Jr. and 37 yards to senior Bennie Fowler for TDs. On defense, the Spartans throttled a rushing attack that had averaged 244.4 yards to just 23 yards on 16 attempts. Running back Mark Weisman, then the most prolific running back in the NCAA's Football Bowl Subdivision, was held to 9 rushing yards on 7 carries. Sadler, a doctoral student, added to his publicity in *Seventeen Magazine* by outrushing the entire Hawkeye team, gaining 25 yards on a fake punt.

Next came Indiana for a historic Homecoming milestone—the 500th game in Spartan Stadium. MSU held the Hoosiers, then the Big Ten's top offense with 539 yards a game, to 188 yards below their average. Langford enjoyed a breakout game with four touchdowns, three of them from rushing.

MSU shut out Purdue 14-0, with junior wide receiver Tony Lippett catching five passes for 49 yards and throwing a 5-yard touchdown pass to junior tight

end Andrew Gleichert. A fifth defensive TD took place when Max Bullough forced a fumble that fellow senior backer Allen scooped up for 45 yards. In the second half, MSU held Purdue to 5 yards on 10 rushes.

At Champaign, IL, MSU won 42-3 over a team that had averaged over 35 points. MSU's first touchdown came after a turnover forced by Calhoun and junior defensive end Marcus Rush. The second touchdown followed a goal-line stand, after which Cook led MSU on a methodical, 15-play, 99-yard drive that consumed over eight minutes. Fowler caught the TD pass after the pigskin caromed off a defender's hands—the kind of break that eluded the Spartans last season.

Next came Michigan, fresh from two weeks rest. But MSU was up to the task and won the toughness battle along with the score. It was a decisive win over a team replete with nationally-touted recruits. MSU's defense hounded the Wolverine quarterback while the offensive line pounded like engine pistons. The Paul Bunyan trophy returned to East Lansing, its home four of the last five years.

Another Dantonio trait is to not rest on laurels. "If you

believe you're not good enough, you won't be," he explains. "If you believe you're too good, you'll stop working. Somewhere between these, we need to find our identity."

MSU then went to Lincoln, NE, and beat the Cornhuskers for the first time in eight tries. That completed a circle for Dantonio, as he has now beaten every Big Ten team at its home field. MSU's offense converted five turnovers into 24 points and succeeded in 11 of 21 third down plays against the famed "Black Shirts." A beautiful TD pass to junior receiver Keith Mumphery and a late TD run by Langford sealed the win.

By beating Northwestern, MSU avenged its five conference losses from last season. On a cold, blustery day in Evanston, MSU dominated the second half and won 30-6. The defense held its fourth Big Ten rival in five games without a touchdown.

A 14-3 home win against resurgent Minnesota made history. For the first time ever MSU went 8-0 in Big Ten play. The senior class led by Allen, Max Bullough, Dennard, Denzel Drone,

Kyler Elsworth, Tyler Hoover, Lewis and Micajah Reynolds on defense and by Fou Fonoti, Dan France, Andrew Maxwell, Treadwell and Fowler on offense, emerged as the winningest class in MSU history, with at least three more wins than the 37 achieved by Kirk Cousins' class.

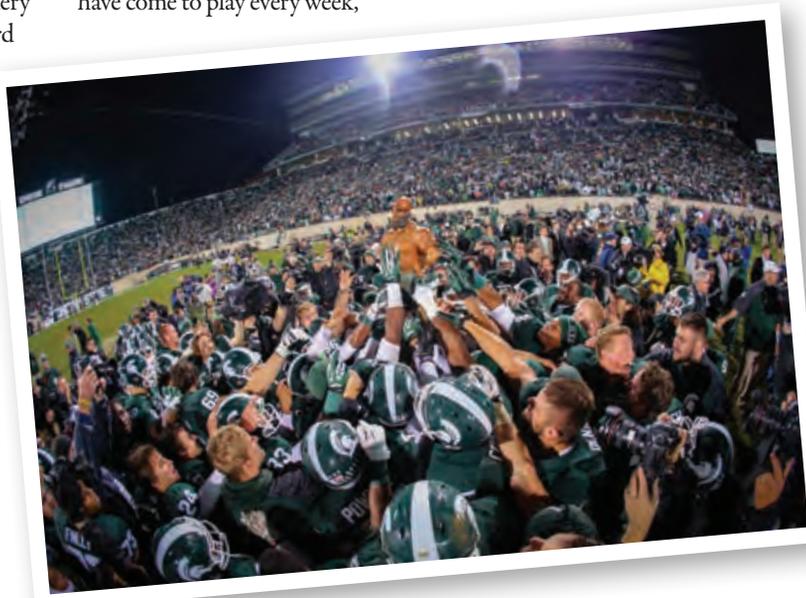
Helping Dantonio are defensive coordinator Pat Narduzzi, co-offensive coordinators Jim Bollman and Dave Warner, and assistants Harlon Barnett, Ron Burton, Brad Salem, Terrence Samuel, Mark Staten and Mike Tressel.

"We have been resilient and we have come to play every week,"

notes Dantonio, who now sports a 62-29 record, 18-5 in November. "That is what I'm most proud of."

For the fourth time since 2008, MSU played in the Big Ten championship game. For the third time in four years, MSU has at least 11 wins. Yes, you can call it the new normal. 🍀

MSU's dominant 29-6 win over archrival Michigan changed the national narrative, as media began to give due credit to the Spartan Dawgs for their resilient effort and consistency.



ANOTHER BIG TEN TITLE—The MSU women's cross country team won its third

Big Ten Championship title in four years. Led by runner-up Leah O'Connor (right end, front row), the Spartans picked up 43 points to beat out defending champion Michigan in November—a day after the football team beat

the Wolverines 29-6. "Our strategy really was to run a team race, not to take any individual chances," says Director of Cross Country/Track & Field Walt Drenth (top left, next to volunteer assistant Aaron Simoneau), the Big Ten's Women's Coach of the Year for the third time in four years. "They did a really nice job of that." The top-ranked Big Ten team in the nation, at sixth overall in the U.S. Track & Field and Cross Country Coaches Association poll, the women had three top-10 finishers—O'Connor (2nd), Katie Landwehr (5th) and Lindsey Clark (9th). Rachele Schulist (12th) and Megan Rodgers (15th) round out the MSU contingent. Drenth credited the women's success to Assistant Coach Lisa Senakiewich (back row, 2nd from right, next to graduate assistant Rebekah Smeltzer on the end).



TOURNAMENT TITLE FOR FIELD HOCKEY—Nov. 10: The MSU field hockey team (12-9, 4-2 Big Ten) won the Big Ten Tournament, beating Iowa 3-2 and earning the conference's automatic bid into the NCAA tournament. It was MSU's first Big Ten Title since 2009. Senior Adelle Lever scored the game-winner while junior Abby Barker scored two goals, earning her the tournament MVP. Barker and goalkeeper Molly Cassidy both made the All-Tournament team. Other stars for MSU include junior Becky Stiles, and seniors Kristen Henn and Katherine Jamieson. Third-year head coach Helen Knull, who previously served five years as an assistant under former coach Rolf van de Kerckhof, grew up in Scotland and was an All American at Kent State.



VOLLEYBALL SURGE—In early October, Lauren Wicinski, senior outside hitter from Geneva, IL, was twice named the Big Ten Volleyball Player of the Week as MSU vaulted into the Top Ten after wins over No. 1 Penn State and No. 13 Ohio State. The Spartans followed that up by beating Illinois and Northwestern and rising to No. 5 in the country at 17-1 in mid-October. MSU's best start since 1996 included a 15-game winning streak, after which MSU was the lone undefeated team in Big Ten play. Wicinski recently surpassed the 2,000 career kills mark and also surpassed 1,000 career digs. "This is a wonderful recognition for Lauren," says Head Coach Cathy George. "She is a fierce competitor and a catalyst for our team. Her success is a big part of our team success."

NEW LIGHTS AT MUNN—New lights in MSU's Munn Ice Arena will look better and save on energy. Munn is the first U.S. ice rink equipped with LED lights, which use about one-fifth the current energy. "Fans will notice an amazing difference in light quality," says Greg Ianni, deputy director of MSU Athletics. "And goalies say they can see the puck a lot better." The new lights cost about \$575,000 and are part of a major renovation project that also upgrades the arena's ice-making process, heating, ventilation and air conditioning.



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REGIONAL CLUBS

BLUEWATER AREA—

Aug. 11: About 19 area Spartans attended the annual MSU Freshman Picnic at the St. Clair County Goodells Park in Wales Township.

CENTRAL OHIO—

Aug. 30: About 27 area Spartans attended a game watch at Gallo's Tap Room in Columbus, OH, for the MSU vs. Western Michigan football game.



the 2013 Charity Challenge Golf Outing at Eagle Eye Golf Course, Lansing. The event raised over \$32,000 to help support endowment funds at MSU, as well as \$5,000 for the Boys and Girls Club of Lansing. Special guests included Mateen Cleaves, Steve Smith and Coach Izzo.

LIVINGSTON COUNTY—

Jul. 11: About 30 area Spartans participated in the All University Challenge blood drive at Cleary College Johnson Center in Howell to raise blood for the American Red Cross. Jul. 4: Over 1,000 area Spartans walked in the Fourth of July parade with Sparty in Brighton. Jun. 14: About 28 area Spartans attended a wine tasting event held at The Lodge at Pine Creek Ridge in Brighton. The event raised \$398 for the club's scholarship fund.



MID-MICHIGAN SPARTANS ▲ Jun. 25: About 130 area Spartans attended

NORTHEAST OHIO—

Aug. 24: About eight area Spartans helped unpack and sort donated food for the Cleveland Foodbank. The club has plans to make this a periodic activity. Aug. 1: About 12 area Spartans toured the Duck Tape Factory in Avon, OH. ▼



OREGON & SW

WASHINGTON—Aug. 17: ▶ About 12 area Spartans participated in a six-mile round-trip hike to Mirror lake and the shoulder of Mt. Hood in Oregon.

SACRAMENTO VALLEY, CA—

Aug. 25: About 40 Big 10 alumni gathered for the 6th Annual Sacramento Big 10 Alumni Bowling Competition at AMF Mardi Gras Lanes in Sacramento. MSU won the event for the first time.



SARASOTA

BRADENTON, FL—Aug. 3: More than 30 area Spartans met at South Lido Beach for the club's first ever family picnic. ▼



ST. LOUIS, MO—

May 2: About 75 area Spartans gathered for the club's annual meeting at the St. Louis Science Center. Special guests included Bert Vescolani, president and CEO of the St. Louis Science Center. ▼



ORANGE COUNTY—
Aug. 18: About 90 area Spartans attended the Student Send Off Picnic at Cameo Shores Beach in Newport Beach, CA. Special guests included Sparty and Director of Admissions Jim Cotter.





▲ **TAMPA BAY, FL**—Aug. 24: About 70 area Spartans attended an annual event to kick off the football season at Boston's in Tampa, FL. The event raised \$717 for the Big Ten scholarship fund.

Spanish Springs Town Square in The Villages. A food drive was held during the event, which raised over 12,000 pounds of non-perishable food.

▼ **WASHINGTON, DC**—Jul. 20: About 11 area Spartans spent a morning supporting Arcadia Center for Sustainable Food and Agriculture's mission of providing a sustainable model of agriculture to new farmers and the public. ▼



▲ **THE GREATER VILLAGES, FL**—Aug. 30: Approximately 4,000 area Spartans gathered for the College Color Days at



CONSTITUENT ASSOCIATIONS

▼ **BIOMEDICAL LABORATORY DIAGNOSTICS PROGRAM**—Feb. 9: About 20 Spartan alumni and students cheered on the MSU basketball team at the Spartan Hall of Fame Cafe in East Lansing. ▼



ALUMNI INTEREST GROUPS

▲ **MSU ALUMNI BAND**—Apr. 28: About 65 alumni gathered for the MSU Alumni Band Spring Reunion at the MSU Demonstration Hall and Kellogg Center. Special guests included MSU Director of Bands Kevin Sedatole, MSU Assistant Director of Bands Cormac Cannon, Spartan Marching Band Director Emeritus Dave Catron, wife of longtime MSU Band Director Beryl Falcone, Alumni Band Past President Jim Barry, and former Alumni Band President Henry Nelson.



INTERNATIONAL CLUBS

▲ **JAPAN**—May 11: About 40 area Spartans attended a joint meeting held by the MSU Alumni Club of Japan and MSU Alumni Club of Kansai, Japan, at the Japan Center for Michigan Universities. Special guests included the Mayor of the City of Hikone, the Hon. Takashi Okubo.

▼ **JOHANNESBURG, SOUTH AFRICA**—Jul. 28: About 20 area Spartans participated in a luncheon at the Country Club Johannesburg to kick off activities for South Africa alumni. Special guests included MSU alum and former Southern Africa Student Association president, Somadoda Fikeni.



▲ **JUST FOR SHOW**—In *Fiddler on the Roof*, Tevye dreams of being rich enough to build a staircase “leading nowhere, just for show.” That’s what motorists in Grand Rapids might have thought when they spotted this 40-foot ladder suspended in midair, leading nowhere (or perhaps halfway to heaven). The ladder is actually a work of art by Henry Brimmer, graphic designer and professor at MSU’s College of Communications Arts and Sciences, who entered the piece in the city’s ArtPrize competition last Sept. Brimmer’s artwork, titled “I Want to Be Different,” was one of 1,524 contenders in the annual art competition.

LITTLE LEAGUE BOOTH—The broadcast booth at the baseball stadium in Williamsport, PA, which hosts the annual Little League World Series, has been named for Dennis Lewin, ’65 former chairman of the board of Little League International Baseball & Softball. Lewin retired in 2012 but remains on the board. He was a top executive with ABC Sports from 1966-96 and pioneered many of the technological advances in sports telecasts.



▲ **THE 1970S BIG CHILL**—Sep. 7: Mid-1970s graduates from MSU’s College of Communication Arts & Sciences gathered for their annual football celebration during the South Florida game: (front, l to r) Colleen Westerman, Jane Aldrich, Martha Bashore, Mark Bashore, Marlene Mescher, Laurie Schram, Katy Baetz-Matthews, Pat Madden and Gary Reid; (back, l to r) MSUAA Executive Director Scott Westerman, Jeff Smith, Kip Bohne, Gary Mescher, Steve Schram & Bill Matthews.

SPARTANS IN AMSTERDAM—Last summer, James Madison College students (l to r) Chelcie Gilliard and Myra’ LaShontae showed the MSU flag by the block S outside the Rijksmuseum in Amsterdam. The students were taking a Study Abroad class on Sexual Orientation, Gender Identity and Sexual Politics. ▼



MSU ALUMNI TOUR BAND—Jun. 16-24: The MSU Alumni Tour Band enjoyed a concert trip through Scotland this past summer. Conducted by Professor Emeritus Kenneth Bloomquist, the tour band completed its eighth such trip since 1985. The band of 49 musicians plus spouses and friends poses on a staircase at the Braid Hills Hotel in Glasgow. ▼



▲ **UNDERWATER SPARTANS**—Jay Bruns, ’75, holding the “Go Green” sign, while spouse Christi, ’74, and son Dan, ’04, hold the Spartan flag somewhere underwater near Turks and Caicos. The diving family was aboard the Aggressor Fleet and the dive was Dan’s 100th. “We posted this photo to make our Spartan pride visible to the world out there,” says Jay, who resides in Holland, MI.

AUTISM

RETREAT—Aug. 23-24: MSU leaders joined with state leaders at the Omena home of Michael, '57, and Kathy Bosco, '58, to discuss issues related to autism and to explore a possible research center at MSU. MSU representatives included President Lou Anna K. Simon; Ian Gray, former vice president for research; Marietta Baba, dean of the College of Social Science; Marsha Rappley, dean of the College of Human Medicine, and many faculty members.



SPARTY'S 2014 CALENDAR



The Association of Future Alumni (formerly the Student Alumni Foundation) is pleased to offer you the 2014 Sparty Calendar. Show your Spartan spirit by purchasing your wall calendar for just \$15 and enjoy the following:

- Twelve months featuring photos of the three-time national champion mascot
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For questions regarding the 2014 Sparty Calendar, contact us at sparty@msu.edu, or 517-355-4458. To purchase your calendar, visit futurealumni.msu.edu/spartycalendar



A “DIFFERENCE MAKER” FOR SPARTAN STADIUM



A new addition made possible by donors will serve as a year-round recruiting center for all varsity sports.

Spartan Stadium will have a greater presence on the MSU campus by the fall of 2014 and become an asset for the entire athletics program, thanks to the generosity of donors who have made their gifts through the Spartan Fund.

Construction is already underway for a multi-million dollar upgrade that will transform the North End of the stadium with a striking two-story addition. Much like other improvements to MSU’s athletics facilities in recent years, the project is being funded with private support.

A recruitment center is the showpiece of the project and will become the linchpin for all of athletics, available to MSU’s

entire coaching staff for recruiting student-athletes in every sport throughout the year.

The addition will also house a media center and event space for campus-wide use, new football locker rooms and team spaces, additional restroom and concession areas for fans, a donor plaza and renovated entry gates.

“The North End Zone expansion will be a tremendous asset to MSU and Spartan Athletics,” says Mark Hollis, athletics director. “We are so grateful for the donors who have stepped up to help make this facility a reality. The new locker room, media center and recruiting room are all difference-makers for our program.”

The northeast wing of the project will be named in recognition of the Demmer family who have donated \$3.5 million for the project. The two entrance plazas on the north side of Spartan Stadium will be named in honor of Craig, ’73, and Vicki Brown, ’75, who donated \$2 million to the project. The plazas will be named the Craig and Vicki Brown Family Northeast Plaza and the Craig and Vicki Brown Family Northwest Plaza.

John Demmer joined with his son Ed and daughter-in-law Laura Demmer to support the North End Zone addition. The Demmer family, which also includes son Bill (’70, Engineering) Demmer and his wife Linda, and daughter Marguerite (Peg Demmer) Breuer and her husband Bradford, is associated with numerous MSU initiatives.

The Demmers and the Browns join many other donors in

financial support for the addition, including Earvin “Magic” and Earleatha Johnson, Bob (’74, Business) and Julie Skandalaris, Mark (’85, Communication Arts and Sciences) and Nancy (’86, Business) Hollis, Tom (’01, Education) and Lupe Izzo, Ben (’69, Engineering) and Barbara (’69, Natural Science) Maibach, John (’77, Social Science) and Mary Rayis, Pete (’88, Communication Arts and Sciences) and Ann (’87, Communication Arts and Sciences) Eardley, Kellie (’76 and ’81, Education) and Marilyn (’75 and ’81, Social Science) Dean, and Steve (’71, Business) and Brenda (’71, Social Science) Ramsby.

More than \$15 million has been raised for the project, but attractive naming opportunities still exist including the home and away team locker rooms, as well as a locker campaign for gifts of \$50,000 and inclusion in a central donor exhibit for gifts of \$100,000.

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Grand Marshal Geoff Johns

Photos by Peter Delong



President Lou Anna K. Simon



2013 Homecoming **UNSUNG SUPERHEROES**

By Robert Bao

Like a caped crusader flying by, this year's Homecoming week came and went quickly but brilliantly. By all accounts, it was a smashing success.

The Super Heroes theme appealed to all ages, inspired paraphernalia that included an MSU comic book and provided a unifying motif for parade floats as well as major events, including the Grand Awards Gala, the parade, the Green and White Brunch, the Homecoming Court, college and student events and especially the Grand Marshal of the parade.

Making everything happen were a group of unsung heroes from the MSU Alumni Association, University Advancement

and other campus units. People from the City of East Lansing also played a major role.

I'd like to salute some of these unsung heroes, who year after year work hard to create memory-making events for Spartans but seldom receive recognition.

Organizing Homecoming and the parade is Regina Cross, chair of the Homecoming Committee the past six years. A longtime program coordinator with the MSUAA, Cross has turned the parade into a monster event. "Every year (since 2007) it has grown," says Cross, MSUAA travel and events coordinator. "This year we had 165 groups entered." The entries ranged from campus organizations to local businesses to music groups—including the

Spartan Marching Band and a Korean drum band. More than 12,000 people attended.

Terry Braverman, former director of MSU's Spartan Fund and a veteran broadcaster, teamed up with local news anchor Sherry Jones to announce all 165 groups. Several volunteers helped judge the parade.

The "Super Heroes" theme served to highlight this year's Grand Marshal Geoff Johns, '95, chief creative officer of DC Entertainment and an icon in the world of film and comic books. Maria Giggly, MSUAA assistant director, and Dave Giordan, designer for University Advancement, brought the Super Heroes concept to life—complete with intriguing characters, led by Sparty, cardboard cutouts and capes.

Kicking off the Homecoming events was the Grand Awards Gala, organized by MSUAA assistant Jennifer Decker and Lisa Wilton of Alumni and Donor Relations. This is where MSU formally honors alumni and friends. Distinguished Alumni Awards were awarded to Theda Assiff-MacGriff, '49; Mark Fleming, DO '99; G. Jay Gogue, '73; Arthur Hills, '53; and Alan J. Kaufman, '70; the Philanthropist Award was given to Edward J. Minskoff, '62; Hon. Ph.D. '09; the Alumni Service Award was given to Greg Hauser, '75, '77; George Johnson, '87; and Roger Tremblay, '70, '71; and the Distinguished Young Alumni Award went to Lauren Aitch, '09, '10; Tania Chopra, '03, Ryan Sullivan, '06; and Ben Williams, '07.

Before the Homecoming game, Cheryl Denison, Ruth Mayercak and others from Gary Wilson's Alumni and Donor Relations group staged the traditional Green and White Brunch at MSU's Kellogg Center. Denison has been organizing alumni events since the

late 1980s, when she first joined the MSUAA staff. Some 600 alumni attended the event, which featured President Lou Anna K. Simon, Athletics Director Mark Hollis, Football Coach Mark Dantonio, the Spartan Marching Band, the MSU cheerleaders and dance team, and the Homecoming Court. Entertainment was provided by Three Men and a Tenor, a quartet of Spartans who first met when they were members of the MSU Glee Club.

The Homecoming Court—made up of 10 diverse students who will really make you proud of this university—is selected and coordinated by Jodi Hancock, manager of MSU's Engagement Center; Jane Olson, retired from MSU Residence Life; and Mathias Koller, of MSU Residence Life. This year's court has received much praise from various quarters. I met some of the members at the Pentwater Parade and I concur.

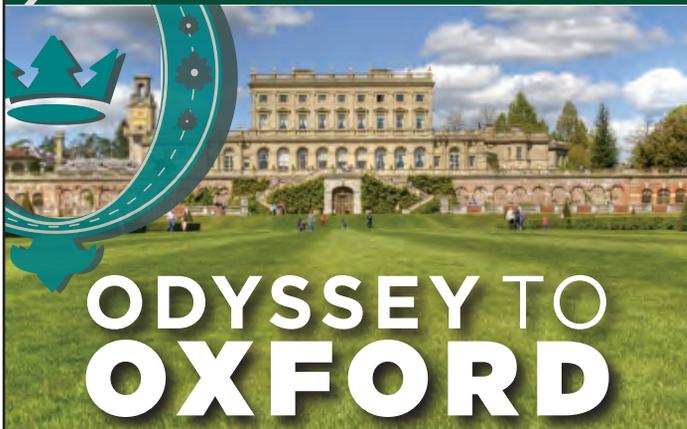
The "Glow Green" tradition, where fans are encouraged to show Spartan spirit via green light bulbs during Homecoming week, was the brainchild of Sarah Skilling, alumni and donor relations coordinator for the Spartan Fund. She and Cross implemented it in 2011, complete with a social media contest.

Scott Westerman, executive director of the MSUAA, and Bob Thomas, assistant vice president for communication and marketing, University Advancement, head the units most involved with staging this traditional event.

Lastly, kudos to everyone else who helped contribute to the 2013 Homecoming. Thanks to Mark Dantonio, his staff and the football players for delivering a 42-28 win over Indiana, the Big Ten's most prolific scoring team. Every little bit helps to make the weekend a good memory for alumni.



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MSU ALUMNI ASSOCIAT



As your network of Spartans Helping Spartans, the MSU Alumni Association offers a variety of opportunities to enhance traditions, strengthen networks, enrich lives and encourage a life of service. Contact us at 877-MSU-ALUM for more information on our upcoming programs.

MARCH 2013

March 26 -April 5

Tahitian Jewels -
Papeete to Papeete
Spartan Pathways
Tour

alumni.msu.edu/travel

March 28-April 6

Southern Culture and
the Civil War - New
Orleans to Memphis

alumni.msu.edu/travel

APRIL 2013

April 7-15

The Galapagos
featuring MSU Alumna
Jessica Pociask
Spartan Pathways Tour
alumni.msu.edu/travel

April 12

Spartans Will. Power
Global Day of Service
dayofservice.msu.edu

April 13

Ring March
MSU campus
[alumni.msu.edu/
ringmarch](http://alumni.msu.edu/ringmarch)

April 24-26

Alumni Reunion Days
MSU campus
alumni.msu.edu/ard

April 27 - May 5

European Coastal
Civilizations - Libson to
Honfleur
Spartan Pathways Tour
alumni.msu.edu/travel

April 29 - May 7

Italy's Lake District
Spartan Pathways Tour
alumni.msu.edu/travel



ION EVENT CALENDAR

MICHIGAN STATE
UNIVERSITY

Alumni Association

MAY 2013

May 15 - 26

Mediterranean Grandeur
- Rome to Marseille
Spartan Pathways Tour
alumni.msu.edu/travel

May 15 - June 7

Essential Europe for New
Graduates
Spartan Pathways Tour
alumni.msu.edu/travel

May 28 - June 7

Celtic Lands
Spartan Pathways Tour
alumni.msu.edu/travel

JUNE 2013

June 20 - July 1

Baltic Treasures
- Stockholm to
Copenhagen
alumni.msu.edu/travel

June 24 - 26

Grandparents
University
MSU Campus
grandparents.msu.edu

June 26 - July 5

National Parks
Spartan Pathways Tour
alumni.msu.edu/travel

June 27 - 29

College of Arts & Letters
20th Anniversary Arts
Weekend
Mackinack Island Grand
Hotel
alumni.msu.edu/travel

JULY 2013

July 13 - 18

Peddle, Paddle &
Pinot with MSU Bikes
Manager Tim Potter
Spartan Pathways Tour
alumni.msu.edu/travel

July 14 - 22

Normandy - The 70th
Anniversary of D-Day
Spartan Pathways Tour
alumni.msu.edu/travel

July 31 - August 10

Alaskan Frontiers &
Glaciers - Seattle to
Victoria
Spartan Pathways Tour
alumni.msu.edu/travel





STATE'S STARS

Lisa Furman, '98, MJK2 '99, assistant professor of music at



Olivet College, has been named director of education. Furman previously taught at Jackson Com-

munity College and served as director of bands at East Jackson High School, East Jackson Middle School and Northwest High School of Jackson. She has taught a variety of music courses at Olivet College, and has served as director of the wind ensemble, athletic bands and instrumental music program.

Christian Hokans, '13, ADDU '13, has been honored



with the Frank M. Fitzgerald Public Service Award, given annually to outstanding

young volunteers. Hokans was recognized for his work as an intern in the Michigan Legislature and with the Michigan Dept. of the Attorney General. He was recently inducted into Phi Beta Kappa and served as a columnist with the *State News*. Hokans is a member of Curriculum Beyond the Classroom, and is currently serving an internship with Michigan Family Forum, Lansing.

Michael Nylund, '91, has been named vice president of sales for Scholarship America's scholarship management services. Nylund held interim positions with Merrill Corporation, where he led a team of 150 people to provide consulting services to domestic and international clients. Prior to Merrill Corporation, Nylund served as director of Admissions at Regency Corporation.

He also has experience as a sales executive and account manager for Black & Decker, Kohler Company, EVS and Smurfit-Stone Container.

Carrie Booth Walling, '96, assistant professor of po-



litical science at Albion College, has published her first book, *All Necessary Measures: The*

United Nations and Humanitarian Intervention (University of Pennsylvania Press, 2013). Booth Walling's research focuses on international responses to mass atrocity crimes including military humanitarian intervention and human rights trials, and how human rights norms are reshaping the meaning of state sovereignty at the United Nations. She has published articles on ethnic cleansing, humanitarian intervention and international human rights trials in the *Journal of Peace Research*, *International Journal of Human Rights*, *Civil Wars* and *New Global Studies*.

David Goldenberg, '00, ADDU '00, public affairs



and strategic communications consultant at Resolute Consulting, and Greg Pekarsky,

'07, owner/broker at Vesta Preferred, LLC, have been named to the second annual "Double Chai in the Chi: 36 Under 36" list of young Jewish movers and shakers in Chicago. Goldenberg is a member of JUF's YLD Board and the Young Leadership Campaign chair. He is a trustee of Michigan State University's Hillel, and has regularly hosted and counseled students

from James Madison College at MSU. Pekarsky is president of the Associate Board of Chicago Gateway Green, the city's largest non-profit greening and beautifying effort. He is also a member of the Young Professional Network for the Chicago Association of REALTORS.

Rebekah Faivor, '10, SPCU '10, farm agronomist



at Peckham Farms, Lansing, has been named farm team leader. Faivor will manage and coordinate the daily responsibilities of Peckham's 10-acre farm that produces fruits, flowers and vegetables. She also developed agricultural training material and conducted related training classes. Faivor is currently earning a Master's of Science in Horticulture at MSU. She is the owner of Faivor Fresh Produce in Saint Johns, MI.

Phil Duran, '89, Minnesota State Bar Association (MSBA)



secretary, has been named president of MSBA. Duran was a co-chair and longtime

board member of the Minnesota Lavender Bar Association, an organization for LGBT attorneys, law students, and judges that is an affiliate of the MSBA. He was also influential in founding the Minnesota Judicial Branch's Committee for Equality & Justice, based on MSBA recommendations dating from 2008.

Daniel Herms, PhD '91, an author, researcher, professor and chair in the Department of Entomology at the Ohio State University in Columbus, OH, is this



year's recipient of the International Society of Arboriculture's R.W. Harris Author's Citation. Herms

has written more than 200 publications including more than 70 peer-reviewed publications and book chapters on such topics as emerald ash borer. He is one of eleven distinguished professionals who make up the circle of winners for ISA's Awards of Distinction.

Kathryn Davis, '78, employee relations consultant for



Fifth Third Bank in the Grand Rapids, Kalamazoo and Lansing areas, has been promoted to vice

president, regional employee relations advisor for the Ohio region. Prior to Fifth Third, Davis held positions as a chief administrative officer, director of Human Resources, compliance officer and HR consultant in the investment banking, education/technology and health care industries in Southeast Michigan. She is a member of the Society of Human Resource Management, Inform, and serves on the Board of Trustees for Leader Dogs for the Blind in Rochester Hills.

Thomas Maatman, DO '79, founding partner of Michi-



gan Urological Clinic in Grand Rapids, was selected as a Top Doctor by *U.S. News*. Maatman

completed his internship training at Metro Health Hospital and his General Surgery Residency and Urological Surgery Residency training at the Cleve-

land Clinic Foundation, where he served as chief resident. He is a fellow in the American College of Surgeons and the American College of Osteopathic Surgeons. He is currently clinical associate professor in the Department of Osteopathic Surgical Specialties at Michigan State University College of Osteopathic Medicine. Maatman is an MSUAA Life Member.

Stephanie May, '88, nurse anesthetist at University of Colorado HSC, was named 2013 Advocate of the Year by the American Association of Nurse Anesthetists foundation. May is an intra- and inter-professional bridge-builder focused on promoting nurse anesthesia education and research. She is a long-time foundation donor and advocate for the state of Colorado. May shares her anesthesia knowledge as a community volunteer, lecturer, conference coordinator, committee member and board member.



Kathy Grace, '81, has been awarded the Volunteer Service Award in Alexandria, VA, by the National Alumni and Development Association for her service to the MSU College of Agriculture and Natural Resources and the School of Packaging. Grace helped implement the Packaging Hall of Fame Award Wall Frequent Guest Lecturer series. She also served on Dow Chemical's MSU Development team. Grace was recognized by MSU for her volunteer work in 2002 when she received the Alumni Asso-

ciation's Alumni Service Award. She also has been inducted into the MSU Packaging Alumni Association's Hall of Fame for her work with hazardous materials. Grace is a member of Beaumont Tower donor society and an MSUAA Life Member.

Donald Bryant, '98, CNCG '03, founder of The Alden



Group, Blaine, MN, recently developed a new product called LifeOil to fill the growing demand for blended cooking oil. Before launching The Alden Group, Bryant gained experience in the medical device industry. He is an active board member of the Minnesota Black Chamber of Commerce and Turning Point Inc. Additionally, he also is the recipient of the National Black MBA Association's – Twin Cities Chapter 2011 Entrepreneur of the Year Award.

John Crabill, MS '13, has been named senior manager,



food safety and regulatory compliance for the regulatory affairs team at Perrigo, Allegan, MI. He will be responsible for overseeing FDA standards and compliance for baby formula and nutritionals made at Perrigo's Gordonsville, VA, location. Crabill has 10 years of experience in quality assurance and compliance management roles gained at other global pharmaceutical and nutritional corporations.

Susan Rosiek, '73, publisher/executive editor of *Observer & Eccentric Media*, has been named to head the *Livingston County Press & Argus* and Liv-

ingstondaily.com. She will also continue to oversee the 13 O&E suburban Detroit properties. Rosiek has spent more than 25 years in journalism, primarily at the *Observer & Eccentric*, in a variety of reporting and editing roles. She is on the boards of St. Joseph Mercy Health System and the Livonia Community Foundation.

Jeff Grad, '10, and **Kirstyn Reinholm**, '09, have been



promoted to senior associates at Baker Tilly Virchow Krause, LLP, Michigan office. Grad and Reinholm specialize in providing value-added audit and attestation services to clients in a variety of industries. Grad is a member of the Michigan Association of Certified Public Accountants (MACPA) and the American Institute of Certified Public Accountants (AICPA). Reinholm has her certification from the State of Michigan and she is a member of the MACPA and AICPA.

Dawn Pruszynski, '68, MA '72, retired teacher/teacher



leader from the Penfield School District, has been elected by Flower City Habitat for Humanity, Rochester, NY, as the new leadership council chair for the 2013-2014 term. Pruszynski has volunteered with FCHH for over 5 years, serving on the leadership council and school youth committee. She is an MSUAA Life Member.

Evan Sonntag, '02, CPA, has been promoted to manager



of Newman Dierst Hales, PLLC, Seattle, WA. Sonntag has been with Newman Dierst Hales since 2009. He began his accounting career in 2004 and two years later was promoted to senior accountant for Myler & Szczyпка, P.C., Ann Arbor. He moved to Seattle in 2009 to work as a senior tax accountant at Benson & McLaughlin. He is a member of the Washington Society of Certified Public Accountants and American Institute of Certified Public Accountants.

Deb Hebert, '74, MA '77, an attorney at Collins Einhorn



Farrell, Southfield, MI, has been named to Top 50 Women Attorneys in the 2013 *Michigan Super Lawyers Magazine* and Top 25 Women Business Attorneys. Hebert is a five-time honoree. Her specialties are appellate litigation and insurance coverage. Hebert has served nearly 30 years as lead counsel in hundreds of appeals at both the state and federal levels.

Erratum

On page 26, history professor Marjorie E. Gesner joined the faculty in 1943.



State's Stars Submissions:

MSU Alumni Magazine
Michigan State University
Spartan Way
535 Chestnut Rd., Room 300
East Lansing, MI 48824
or baor@msu.edu
All entries are subject to editorial review.

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MICHIGAN STATE
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A close-up portrait of Tommey Walker, a Black man with short dark hair and a light beard, smiling slightly. He is wearing a white t-shirt. The background is a solid bright yellow color.

Graphic design will
always be my passion.

I choose to focus on
the positivity growing
in my city.

Business is off the charts.
And getting even better.

Detroit has changed the
world. And will again.

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things done is to know
what you want to do.

Tommey Walker
Founder, Detroit vs. Everybody®

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OBITUARIES

'10s

Eugene T. Leipprandt, '12.

'30s

Cora M. (Hall) Bowen, '32, of Yale, Feb. 25, age 102.

Jean A. Hardy Robertson, '33, of Shelby Township, Sep. 16, age 103.

Kathleen L. Cutler, '34, of Williamston, Aug. 4, age 101.

Verna B. (Bailey) Gratricks, '37, of New Lenox, IL, Apr. 18.

Seymour J. Ryckman, '39, of Dayton, OH, Oct. 24, age 96.

Iris P. (Oatley) Steffen, '39, of Williamsburg, Jan. 9, age 95.

'40s

Nolan E. Allen, '40, of Marshall, Aug. 26, age 95.

John A. Berner, '40, of Surprise, AZ.

John E. Burnett, '40, of Jefferson, NC, Aug. 25, age 95.

Eldon L. Foltz, '41, of Laguna Beach, CA, Aug. 10, age 94.

Gerald Fox, '41, of Rockford, Jul. 16, age 94.

Jane E. (Getzinger) Low, '41, of Dekalb, IL, Aug. 18, age 97.

Marian A. (Shepherd) Ross-Martin, '41, of Urbana, IL, Oct. 1, age 94.

Lorraine M. Vial, '41, of Milwaukee, WI, Aug. 18, age 94.

Robert E. Dennis, '42, of Tucson, AZ, Sep. 23, age 92.

Theodore W. Strauch, '42, of Durand, Feb. 16, age 91.

Merit Overton, '43, of Bangor, Aug. 10, age 91.

Nancy L. (Duff) Rogers, '43, of North Port, FL, Aug. 22.

Roger Blain, '44, of Wayland, Aug. 27, age 89.

Norris G. Greer, '44, of Flint.

Cecilia F. (Matthews) Plezia, '44, of Berkley, Jul. 27, age 92.

Barbara J. (Taylor) Morseth, '45, of Eugene, OR, Sep. 3, age 89.

Rowland G. Oonk, '45, of Surprise, AZ, Aug. 25.

Martha E. (Vargha) Rogers, '45, of Portland, ME, Oct. 19, age 88.

Patricia E. (Sheppard) Bender, '46, of San Diego, CA, Jan. 18, age 88.

Marilyn E. (Dreher) Middleton, '46, of Kalamazoo, Sep. 14, age 88.

George S. Polich, '46, of Iron River, Jul. 7, age 96.

Frank W. Sayer, '46, of Green Valley, AZ, Aug. 24, age 97.

David A. Schmidt, '46, of Longboat Key, FL, May 1, age 86.

Garth E. Belland, '47, of Bradenton, FL, Jul. 12, age 91.

Lewis D. Benson, '47, of Owosso, Jun. 22, age 88.

Elizabeth J. (Tibbetts) Campbell, '47, of Port Huron, Oct. 1, age 90.

Joseph M. Fell, '47, of Saint Augustine, FL, Aug. 22, age 93.

Jean M. (MacKlem) Hakala, '47, of Lansing, Jul. 9, age 88.

Roy E. Hollowell, '47, of Houston, TX, Aug. 19, age 89.

Lillian J. (Anderson) Kivela, '47, of Lansing, Oct. 21, age 92.

Robert O. Kutsche, '47, of Plainwell, Sep. 10, age 90.

Eunice M. (Krans) Leitch, '47, of Pharr, TX, Aug. 5, age 87.

Thomas H. Mitzelfeld, '47, of Warren, Sep. 2, age 89.

Mason Rowe, '47, of Ocala, FL.

Burton J. Schimpke, '47, of Novi, Jul. 31, age 90.

Robert J. Schweitzer, '47, of Ormond Beach, FL, May 6, age 89.

Rosemary S. (Ray) Virgo, '47, of Silver Spring, MD, Jul. 24, age 88.

Merritt E. Bourne, '48, of Lansing, Aug. 29, age 92.

William Budge, '48, of Hubbard Lake.

Margaret A. (Foard) Clark, '48, of Lawrenceville, GA, Feb. 27, age 86.

Carol H. (Sanford) Coolidge, '48, of Falls Church, VA, Apr. 19, age 88.

David H. Dawson, '48, of Rhineland, WI, Oct. 13, age 94.

Richard C. Fox, '48, of Clemson, SC, Sep. 7, age 87.

William Hall, '48, of Walnut Creek, CA, Aug. 30.

Owen D. Ivins, '48, of Knoxville, TN, Aug. 17, age 90.

Sarah E. (Bird) Kilbourn, '48, of Saginaw, Aug. 17, age 87.

Robert Knudson, '48, of Chamblee, GA, Sep. 10, age 88.

John H. McCallum, '48, of Palm Springs, CA, Jul. 12, age 88.

Herbert R. Metzger, '48, of Sylvania, OH, Oct. 7, age 90.

John L. Nolen, '48, of Vacaville, CA, Jul. 23, age 93.

Robert C. Richardson, '48, of Vicksburg.

Nancy J. (Taylor) Rulketter, '48, of Louisville, KY, Nov. 13, age 86.

Rex W. Scouten, '48, of Fairfax, VA, Feb. 20, age 88.

M. J. Tews, '48, of Lansing, Aug. 19, age 91.

Hilda J. Tompkins, '48, of Coldwater, Aug. 21, age 87.

Donald A. Van Gorder, '48, of Lansing, Aug. 2, age 88.

Roland R. Bergdahl, '49, of Grand Rapids, Jun. 9, age 88.

Daisy L. (VanderSchaaf) Brannick, '49, of Rockingham, NC, Jul. 29, age 98.

Doris A. (Runyan) Dietz, '49, of Minneapolis, MN, Sep. 23, age 86.

Mickey D. Donovan, '49, of Livonia.

Robert W. Jurgensen, '49, of Worthington, OH, Sep. 19, age 89.

Forrest D. Leeper, '49, of Huntsville, TX, May 8, age 88.

William M. Lepczyk, '49, of Lansing, Sep. 19, age 95.

Boyd D. Longyear, '49, of Smyrna, TN, Jul. 4, age 93.

James W. Nichols, '49, of Zephyrhills, FL, May 18, age 81.

Frances (Grossnickle) Nixon, '49, of Sparta, TN, Jan. 21, age 85.

Edward J. Stickel, '49, of Wilsonville, OR, Sep. 14, age 89.

'50s

Charles A. Baldwin, '50, of East Lansing, Oct. 2, age 94.

Jean C. (Anderson) Blossom, '50, of Grand Blanc, Jan. 5, age 85.

Paul Buben, '50, of Grand Rapids, Sep. 18, age 86.

Norman E. Bullock, '50, of Lapeer, Jun. 19, age 86.

Frederick W. Carlson, '50, of Cape Coral, FL, May 30, age 89.

John T. Dancer, '50, of Stockbridge, Aug. 30, age 85.

Jane W. (Hootman) Drake, '50, of Okemos, Aug. 15, age 85.

Marvin L. Hathaway, '50, of Waterbury, VT, Aug. 22, age 86.

Lila F. (Ellman) Herbert, '50, of Atlanta, GA, Sep. 16, age 84.

Harvey D. Hicks, '50, of Allegan, May 20, age 86.

Marjorie L. (Dunlap) Johnston, '50, of Melbourne, FL, Jan. 19, age 83.

George H. Krause, '50, of Williamston, Aug. 9, age 90.

Martin E. Krieger, '50, of Saint Joseph, Jul. 23, age 90.

Timothy T. Ku, '50, of Monticello, AR, Jul. 15, age 87.

Sheila A. Mulvihill, '50, of Washington, DC, Aug. 13, age 84.

Saburo S. Nakagawa, '50, of Seattle, WA, Sep. 10, age 90.

John H. Paquin, '50, of Fennville, Mar. 7, age 86.

Ruth F. (Doty) Renard, '50, of Lakewood, OH, Jul. 30, age 93.

Robert A. Sewell, '50, of Rockford, IL, Aug. 16, age 86.

William H. Siefert, '50, of Sharon, PA, Jan. 12, age 83.

Lewis C. Smith, '50, of Rockford, IL, Aug. 9, age 86.

Charles L. Trombley, '50, of Woodland Park, CO, Sep. 27, age 89.

Thomas A. Winnard, '50, of Royal Oak, Sep. 11, age 89.

Jack D. Young, '50, of Midland, Aug. 7, age 86.

Margaret S. (Shenefield) Carman, '51, of Virginia Beach, VA, Jun. 15, age 83.

William E. Collins, '51, of Atlanta, GA.

Arthur O. Enger, '51, of Woodbury, CT, Jun. 13, age 91.

Charles T. Hendrickson, '51, of Oconomowoc, WI, Sep. 29, age 85.
Elroy C. Jensen, '51, of Gilbert, IA, Aug. 4, age 90.
Sigmond R. Katz, '51, of Grand Rapids, Sep. 22, age 84.
Jay C. Kenney, '51, of Algonac, Aug. 31, age 85.
Philip S. Lang, '51, of Grand Blanc.
Nancy J. (Berry) Zimmerman, '51, of Livonia, Aug. 17, age 84.
Fred S. Assing, '52, of Cleveland, OH.
Donna J. Chamberlain, '52, of Twin Lake, Sep. 11.
Charles R. Corbishley, '52, of Bad Axe, Aug. 31, age 82.
Richard S. Elsea, '52, of Farmington Hills, Sep. 10, age 83.
Ted Finch, '52, of Fairview, Sep. 17, age 98.
Walter E. Freeman, '52, of University Park, PA, Oct. 17, age 88.
Allan E. Hannas, '52, of Summit, NJ.
Earl G. Hilberer, '52, of Springfield, IL, Aug. 21, age 84.
Richard C. Howlett, '52, of Stockbridge, Aug. 4, age 94.
Kurt E. Liedtke, '52, of San Francisco, CA, Apr. 5, age 93.
John C. Linck, '52, of Petoskey, Jan. 12, age 83.
Carolyn L. (Maas) Mayotte, '52, of Munising, Sep. 30.
Edward L. Okopien, '52, of Grand Blanc, Oct. 29, age 87.
John R. Palmer, '52, of Schoolcraft, Jan. 17, age 87.
Frederick H. Sayles, '52, of Farmington Hills, Dec. 2, 2012.
Patricia A. (Devereaux) Schafer, '52, of Clermont, FL, Aug. 15, age 84.
Fred W. Teuber, '52, of Northridge, CA, Sep. 22, age 84.
Thomas W. Belton, '53, of Brookfield, WI, Oct. 15, age 85.
Ruth H. (Roberts) Burton, '53, of Lansing, Oct. 21, age 81.
Axel R. Carlson, '53, of Centre Hall, PA, Sep. 8, age 95.
Nancy (Pletzer) Fitzpatrick, '53, of Saint Clair Shores, Sep. 17, age 82.
William E. Foust, '53, of Marshall, Jul. 30, age 82.
Allen Gleeman, '53, of Kenilworth, NJ, Oct. 18, age 88.
Dorothy A. (Klute) Jackson, '53, of South Haven, Jul. 29, age 81.
Clarence R. Marek, '53, of Livonia.
Wade W. McCall, '53, of Honolulu, HI, Aug. 19, age 93.
Walter H. Patsch, '53, of Palm City, FL, Sep. 24, age 84.
Glenn E. Reitzel, '53, of Colfax, NC, Jan. 5, age 82.
Frederick H. Sayles, '53, of Farmington Hills, Dec. 2, age 83.
Raymond J. Schoener, '53, of Ironton, OH, Oct. 9, age 88.
William D. Segula, '53, of Milford, Mar. 6, age 84.
Wayne R. Svoboda, '53, of Indianapolis, IN, Sep. 19.
Kenneth V. Tost, '53, of Plainfield, IN, Jun. 10, age 90.
Marion K. Weberlein, '53, of Cheboygan, Dec. 27, age 83.
Richard E. Wilmot, '53, of Westlake, OH, Jul. 31, age 83.
Patricia L. (Campbell) Dutcher, '54, of Rockford, Jul. 7, age 80.
William M. Hamilton, '54, of Venice, FL, Oct. 7, age 83.
Richard H. Hopkins, '54, of Berkshire, NY, Jul. 24, age 91.
Ted L. Miller, '54, of Sebring, FL, Mar. 23, age 83.
John L. Phillips, '54, of Goodrich, Aug. 8, age 80.
William R. Ruff, '54, of Montello, WI, Jul. 31, age 83.
Charles K. Sears, '54, of Houston, TX, Oct. 23, age 83.
Clinton D. Swingle, '54, of Elverson, PA, Jan. 27, age 84.
Yousef Alavi, '55, of Kalamazoo.
Duane W. Beck, '55, of Cleveland, OH, Aug. 9, age 88.
James E. Beuerle, '55, of Suttons Bay, Feb. 26, age 82.
Luther Dearborn, '55, of Rancho Santa Fe, CA, Oct. 25, age 80.
Eugene S. Edgington, '55, of Canada, Sep. 2.
Robert A. Frey, '55, of Jackson, May 2, age 80.
William S. Johnson, '55, of Rochester, NY, Aug. 21, age 80.
James W. Julian, '55, of Buffalo, NY, Aug. 26, age 80.
Clare C. (Weeks) Kampe, '55, of Alexandria, VA, Nov. 3.
Marcia (Day) Meyer, '55, of Parma, Oct. 10, age 80.
Donald Sevick, '55, of Beulah, Oct. 17, age 84.
Ross F. Springer, '55, of Estero, FL, Jan. 12, age 81.
Frederick M. Stratton, '55, of Warren, Jun. 21, age 81.
Mary L. Taylor, '55, of University Center, Sep. 1, age 80.
Donald R. Wolfe, '55, of Naples, FL, Aug. 1, age 80.
Donald J. Zigman, '55, of Milwaukee, WI, Mar. 14, age 82.
Nancy S. (Groby) Benedict, '56, of Mount Pleasant, SC, Oct. 21, age 79.
James R. Cestkowski, '56, of Land O Lakes, WI, Jul. 15, age 78.
Arthur M. Clendenin, '56, of Sylvania, OH, Sep. 17, age 79.
Katherine M. (Zeeb) Galligan, '56, of Livonia, Aug. 21, age 79.
George C. Hadden, '56, of Harper Woods, Sep. 26, age 81.
Donald J. Huizingh, '56, of Corona, CA, Jul. 20, age 78.
Donald M. Polzin, '56, of San Lorenzo, CA, Oct. 12, age 79.
Carolyn D. (Bisbee) Reifinger, '56, of Grand Rapids, Oct. 20, age 79.
Jean M. (Hill) Rogers, '56, of San Diego, CA, Nov. 3, age 85.
Charles P. Sawaya, '56, of Okemos, Sep. 23, age 81.
Jean A. (Jenvey) Shawver, '56, of Lansing, Oct. 11, age 78.
James A. VanDyke, '56, of Annandale, VA, Sep. 21, age 79.
Leon VanMiddlesworth, '56, of Climax.
Donald A. Waples, '56, of Pittsburgh, PA, Dec. 9, age 82.
Claude M. Watson, '56, of Lansing, Aug. 26, age 91.
Arnold G. Abramson, '57, of Youngstown, OH, Sep. 4.
William W. Barnett, '57, of Turlock, CA, Aug. 12.
Harold C. Bateman, '57, of Corpus Christi, TX.
Burton D. Cardwell, '57, of Williamsburg, VA, Oct. 17, age 78.
Jane C. (Thompson) Gruber, '57, of Monroe, Aug. 2, age 77.
Lawrence W. Haase, '57, of Traverse City, Sep. 25.
Paul H. Hocheiser, '57, of Bluffton, SC.
Norman J. Nicolay, '57, of San Francisco, CA, Aug. 25, age 82.
Michael E. Palatas, '57, of Spring Hill, FL, Jun. 12, age 82.
John E. Peterson, '57, of Vero Beach, FL, Oct. 21, age 78.
Thaddeus S. Piwowar, '57, of Allegan, Aug. 24, age 78.
John G. Ruta, '57, of College Park, MD, Oct. 7, age 77.
Allen C. Schroeder, '57, of Jerome, Feb. 12, age 76.
James G. Skifstad, '57, of West Lafayette, IN, Sep. 2, age 78.
Carol A. (Gray) Spotts, '57, of Sterling, VA, Sep. 27, age 77.
David J. Affholder, '58, of Camden Wyoming, DE, Sep. 19, age 77.
Richard E. Cardinal, '58, of Lansing, Sep. 26, age 83.
Joseph A. Catarello, '58, of Wheeling, IL, Oct. 5, age 81.
Claude E. Clendenon, '58, of Norfolk, VA, Sep. 21, age 76.
Gerald D. Dobie, '58, of Jonesville, Aug. 16, age 78.
Joel Jones, '58, of Southfield.
Howard L. King, '58, of Park Ridge, IL, Aug. 9, age 81.
Lowell C. Pederson, '58, of Springfield, OH, Oct. 15, age 77.
Jack D. Slocum, '58, of Hastings, May 13, age 82.
Guy R. Smith, '58, of Southfield, Aug. 29, age 82.
Ilene S. (Fivenson) Smyth, '58, of Bethesda, MD, Sep. 24, age 77.

Lawrence T. Sullivan, '58, of Oxford, Sep. 10, age 80.
Henry J. Vogeler, '58, of Amarillo, TX, May 29, age 76.
Barbara E. (Hess) Crandall, '59, of Clarkston, Jul. 30, age 76.
Michael E. Crane, '59, of Grosse Pointe Park.
Robert M. Daly, '59, of Wayland, MA, Sep. 23, age 81.
Lynn L. (Larke) Hamm, '59, of Peoria, IL, Dec. 2, age 75.
William E. Lahti, '59, of Haslett, Jul. 28, age 76.
John B. Lough, '59, of Savannah, GA, Nov. 14, age 84.
Hazel S. (Clarine) Smith, '59, of Eugene, OR, Aug. 22, age 89.
Robert F. Smith, '59, of Beverly Hills, Jul. 17, age 82.
Elwood M. Stock, '59, of Mason, Aug. 9, age 75.
Donald A. Tomrell, '59, of Green Valley, AZ, Sep. 19, age 79.
Alfred A. Waters, '59, of Macomb, IL, Jan. 6, age 75.

'60s

Charles J. Anderson, '60, of Saginaw, Sep. 20, age 86.
John M. Axford, '60, of Knoxville, TN, Oct. 29, age 78.
Paul W. Bando, '60, of Glen Ellyn, IL, Jul. 30, age 78.
Joseph G. Eisele, '60, of Yukon, OK.
Douglas H. Gaskin, '60, of Grand Rapids, Aug. 20, age 78.
Russell J. Langs, '60, of Petoskey, Jul. 26, age 74.
Dean G. Reenders, '60, of Grand Haven, Oct. 8, age 74.
John C. Reynolds, '60, of Brooksville, FL, Jul. 6, age 75.
Thomas C. Seward, '60, of Minnetonka, MN, May 12, age 82.
Earl A. Thompson, '60, of Livermore, CA, Aug. 3, age 79.
Elizabeth L. (Simmons) Anderson, '61, of Connersville, IN, Aug. 23.
William F. Cottrell, '61, of Las Vegas, NV, Oct. 4, age 82.
John D. Goddard, '61, of Utica, Jul. 20, age 73.
Linda R. Murdock, '61, of Essex, CT, Aug. 25, age 73.
Michael A. Place, '61, of Port Huron, Aug. 30, age 75.
John L. Silvernale, '61, of Olympia, WA, Sep. 3, age 86.
Donald D. Watson, '61, of Howell, Jun. 9, age 76.
Richard T. Wooden, '61, of Warren, Oct. 10, age 78.
Harold D. Wooton, '61, of Greenwood, IN, Sep. 18, age 82.
Diane C. (Petersen) Zuehlke, '61, of Mount Prospect, IL, Oct. 3, age 74.
Nancy J. (Reece) Braun, '62, of Midland, Oct. 20, age 73.
Mary A. (Kelley) Cook, '62, of Clarkston, Oct. 10, age 73.
Robert J. Decker, '62, of Maryville, IL, Aug. 20, age 78.
Thomas M. Esterline, '62, of Indianapolis, IN, Aug. 31, age 74.
Susan M. (Kiger) Frey, '62, of West Bloomfield, Jun. 14, age 73.
Roy E. Hollady, '62, of Vienna, VA, Sep. 10, age 86.
Paul F. Miller, '62, of Taylor, Jul. 30, age 74.
Jay A. Roth, '62, of Los Angeles, CA, Aug. 22, age 75.
Carolyn L. (Arnold) Schnicke, '62, of Three Forks, MT, Jun. 11, age 73.
Adrian L. Vannice, '62, of Maineville, OH, Dec. 19, age 83.
Miriam E. Anderson, '63, of Watervliet, Oct. 30, age 91.
Diana L. (Capman) Dolan, '63, of Santa Monica, CA, Feb. 7, age 71.
Phillip B. Hill, '63, of Macatawa, Jul. 31, age 77.
Charles T. James, '63, of Washington, DC, Aug. 22, age 77.
Richard B. Katroschik, '63, of Scottsdale, AZ, Aug. 23, age 74.
William H. Knott, '63, of Flint, Jul. 27, age 86.
Mary J. Petroschus, '63, of Battle Creek, Oct. 5, age 72.

Charlene E. (Smoot) Stone, '63, of Ida, Jun. 10, age 71.
Renee (Lutzer) Adler, '64, of Oak Park, Jul. 11, age 70.
Ronald N. Luebrig, '64, of Richland, Sep. 21, age 74.
Robert F. Roser, '64, of Rossville, GA, Mar. 3, age 92.
Raymond D. Salati, '64, of Conway, AR, Oct. 8, age 70.
James S. Beadle, '65, of Jacksonville, FL, Aug. 13, age 87.
Joyce J. Bucior, '65, of Jackson, Sep. 3, age 82.
David S. Johnson, '65, of Lake Placid, FL, Sep. 4, age 69.
Douglas C. Keister, '65, of Houston, TX, Oct. 20, age 86.
David G. McCord, '65, of Naples, FL, Sep. 5, age 71.
Philip E. Parvin, '65, of Punta Gorda, FL, Sep. 17, age 86.
Michael D. Paulsen, '65, of Battle Creek, Aug. 9, age 72.
Michael F. Pettipren, '65, of Warren, Jul. 25, age 69.
Barbara J. (Patt) Suliot, '65, of North Street, Sep. 21, age 69.
Ruth A. (Casse) Vandermeer, '65, of Brookfield, WI.
Leon W. Woodfield, '65, of Springville, UT, Oct. 2, age 79.
Gary L. Bradbury, '66, of West Palm Beach, FL, Dec. 2, age 68.
Charles E. Miller, '66, of Story City, IA.
Kerry K. (Firth) Olson, '66, of Santa Cruz, CA, Sep. 12, age 70.
Gordon W. Paul, '66, of Flat Rock, NC, Jun. 7, age 79.
William R. Snell, '66, of Woodbury, NJ, Aug. 9, age 71.
Linda M. (Hatle) Tinti, '66, of Lebanon, OH, Aug. 25, age 69.
Wayne J. Dankert, '67, of Waseca, MN, Jun. 5, age 68.
Roy E. Hartbauer, '67, of Springfield, OR, Mar. 25, age 88.
Barbara R. (Brogren) Humphrey, '67, of Longmont, CO, Aug. 18, age 69.
Rollin W. Keyes, '67, of Houston, TX, Aug. 1.
Ramez A. Mahjoory, '67, of Okemos, Oct. 10, age 79.
Susan S. (Smith) McNeel, '67, of Neenah, WI, Sep. 5.
Klaus Musmann, '67, of Redlands, CA, Sep. 26, age 78.
Steven L. Plavnick, '67, of Paonia, CO, Jul. 19, age 67.
Gerald D. Albrecht, '68, of Bradford, IL, Jul. 22, age 66.
Edwin F. Buck, '68, of Westville, IN, Aug. 5, age 92.
Paul R. Fiske, '68, of Waterbury, VT, Aug. 28, age 74.
Joan M. (Smith) Hawley, '68, of Grand Rapids, Oct. 1, age 67.
Louis D. Nagy, '68, of Indianapolis, IN, Sep. 3, age 68.
Karen (Milner) Poland, '68, of Roanoke, VA, Oct. 11, age 68.
Peggy J. (Gray) Spanninga, '68, of San Diego, CA, Aug. 11, age 67.
John D. Surprenant, '68, of Sterling Heights.
Frances L. Thornton, '68.
Richard N. Ward, '68, of Saginaw, Aug. 18, age 69.
Gary L. Wulff, '68, of Eustis, FL, Aug. 30, age 68.
Lola M. Zarembo, '68, of Traverse City, Sep. 3, age 96.
Mary E. Aikey, '69, of Lansing, Oct. 21, age 85.
Carl E. Christensen, '69, of San Francisco, CA, Jul. 12.
Diane L. Haight, '69, of Chico, CA.
Jackson R. Huntley, '69, of Duluth, MN, Sep. 11.
Mary K. (Goss) Indianer, '69, of Washington, DC, Aug. 19, age 66.
Carol C. (Cross) Polega, '69, of New Waverly, TX, Aug. 10, age 65.
Michael R. Russell, '69, of Grand Ledge, Sep. 9, age 66.
Jill A. VanDeusen, '69, of Marysville, May 23, age 70.
Loretta M. Wisti, '69, of Mason, Aug. 3, age 73.

'70s

Edith G. Bonawitz, '70, of Lexington, Sep. 9, age 81.

Carolyn J. (Schafer) Handy, '70, of Waterford, Sep. 2, age 66.
Ruth E. King, '70, of Muskegon, Sep. 20, age 64.
Chris C. Limbocker, '70, of Traverse City, Feb. 22, age 65.
Harold A. Rush, '70, of Holt, Sep. 19, age 65.
Richard L. Schafer, '70, of Utica, Mar. 15, age 65.
Karin M. (Sefcik) Treiber, '70, of Minneapolis, MN, Dec. 27, age 66.
Marshall D. Autra, '71, of Picayune, MS, Jul. 31, age 64.
Carolyn (Dennis) Burke, '71, of Detroit.
Stanley B. Carpenter, '71, of Stillwater, OK, Aug. 20, age 75.
Ronald W. Grigsby, '71, of Walled Lake, Aug. 25, age 70.
Jill E. Hurni, '71, of Cadillac, Sep. 13, age 63.
D. D. McGaw, '71, of Troy, Sep. 13, age 64.
Chris P. Ripmaster, '71, of Telluride, CO, Sep. 7, age 65.
Albert Samuel, '71, of Middletown, MD, Aug. 18, age 76.
John R. Seelhoff, '71, of Hart, Sep. 18, age 63.
Devon F. Andrus, '72, of Deforest, WI, Sep. 21, age 85.
Robert P. Dennis, '72, of Holt, Sep. 12, age 63.
Lynn E. Hartman, '72, of Alpena, Apr. 29, age 71.
Edward J. Lukosius, '72, of Roxbury, MA, Oct. 21, age 66.
Thomas Schaldach, '72, of Oak Park, Sep. 2, age 61.
Marjorie R. Vandermolen, '72, of Grand Rapids, Sep. 23, age 89.
Robert M. Bufé, '73, of Gaylord, Nov. 9, age 61.
Thomas G. Chesney, '73, of Stratford, CT, Sep. 25, age 62.
Syed G. Haider, '73, of Sterling Heights.
Dale A. Lietzke, '73, of San Francisco, CA, Aug. 7, age 61.
Daniel J. Prodanovich, '73, of Santa Barbara, CA.

Ted A. Richard, '73, of Carrollton, TX, Jun. 25, age 62.
Bernard Seiler, '73, of Switzerland, Jun. 9, age 81.
Deborah K. Windish, '73, of South Lyon, Aug. 31, age 64.
Randy M. Bergeron, '74, of Royal Oak, Sep. 1, age 61.
Barbara E. (Fles) Eikenburg, '74, of Houston, TX, Jul. 16, age 61.
David Ethridge, '74, of Lapeer, Jun. 10, age 79.
Scott A. Fernand, '74, of Garden City, ID, Aug. 19, age 61.
Timothy M. Flood, '74, of Chadds Ford, PA, Jul. 10, age 64.
Mary I. Grant, '74, of Saranac, Oct. 7, age 70.
Thomas J. Hosea, '74, of Warren, Oct. 18, age 85.
Paul A. Isley, '74, of West Bloomfield, May 24, age 59.
Edward B. Morley, '74, of Highland, Oct. 12, age 66.
Connie L. Schweifler, '74, of Muskegon, Aug. 30, age 61.
David A. Simon, '74, of East Lansing, Sep. 13, age 60.
Carol F. Stencel, '74, of Farmington, Aug. 3, age 80.
Forrest N. Williams, '74, of Grosse Pointe Woods, Jul. 17, age 61.
E. S. S. Chandrasekaran, '75, of Hixson, TN, Jul. 15, age 67.
Gordon L. Dabnke, '75, of St. Charles, Aug. 11, age 76.
Wesley F. Dixon, '75, of South Bend, IN, Oct. 12, age 61.
Jerry O. (Kowalyszyn) Kowalyszyn, '75, of Washington, Jul. 21, age 60.
Suzanne C. Madden, '75, of Plainfield, NJ, Oct. 16, age 60.
Stephen J. Rutledge, '75, of Farmington, NM, May 18, age 59.
Beverly Saunders, '75, of Detroit, Mar. 15, age 62.
Sherril G. Badgley, '76, of Lansing, Aug. 12, age 59.
Martha A. Benn, '76, of La Porte, IN.
Sherrill L. Gilmore, '76, of Three Rivers, Jul. 23, age 60.

Richard I. Haddy, '76, of Prospect, KY, Oct. 28, age 63.
Bette S. (Wepman) Rittman, '76, of Dimondale, Oct. 21, age 71.
Helen W. Wein, '76, of Wilmette, IL, Dec. 20, age 95.
Matthew Wisniewski, '76, of Menominee, Jun. 6, age 60.
Paul E. Bravender, '77, of Memphis, TN, Oct. 10, age 77.
Robert T. King, '77, of North Grafton, MA, Aug. 15, age 65.
Nancy C. (Yolles) Levine, '77, of Tewksbury, MA, Sep. 18, age 58.
Frederick A. Zimmer, '77, of Conklin, Aug. 29, age 57.
Frederick C. Abendroth, '78, of Sarasota, FL, Sep. 6, age 57.
Gail L. (Lund) Barwis, '78, of Oshkosh, WI, Aug. 20, age 64.
Sharon R. (Seiler) Catlett, '78, of Prospect Hill, NC, Aug. 24, age 56.
Scott P. Eisensmith, '78, of York, PA, Aug. 19, age 59.
James R. Gerber, '78, of Moore, SC, Jul. 29, age 61.
William H. Henderson, '78, of Surprise, AZ, Nov. 18, age 68.
R. Ann Herzberg, '78, of Lansing, Sep. 13, age 56.
Joseph L. Hickey, '78, of Vero Beach, FL, Sep. 11, age 57.
Badieh Z. Messieha, '78, of East Lansing, Sep. 3, age 70.
William G. Parker, '78, of Lansing, Oct. 20, age 61.
Josephine H. Zajkoski, '78, of Lansing, Sep. 2, age 93.
Harriet R. Allen, '79, of Bellingham, WA, Jul. 2, age 80.
Sandra K. Frey, '79, of Blythewood, SC, Dec. 28, age 74.
John P. Kenny, '79, of Troy, Aug. 23, age 73.
John E. Stovall, '79, of Jackson, Jan. 20, age 60.

'80s

Lisa A. (Bowman) Christensen, '80, of Southfield, Jul. 16, age 55.
Howard H. Galarneau, '80, of San Antonio, TX, Aug. 16, age 65.

Matthew R. Rieschl, '80, of Beulah, Apr. 12, age 54.
Bonnie L. Vaughn, '80, of Neenah, WI, Oct. 3, age 61.
David D. Whittle, '81, of Seattle, WA, Aug. 25, age 55.
Gregory L. Woodbury, '81, of Muskegon, Aug. 18, age 55.
Susan D. Armstrong, '82, of Dansville, Sep. 24, age 57.
Gale G. Traywick, '82, of Grand Rapids, Jul. 23, age 62.
Mark A. Cieslinski, '83, of Frankenmuth, Aug. 25, age 55.
Brent A. Masserant, '83, of Sterling Heights, Jul. 20, age 52.
Earl B. Dupuis, '84, of West Olive, Dec. 21, age 59.
William W. Bosanko, '85, of Northville.
Bonita F. Drayton, '85, of Pontiac, Jul. 9, age 74.
Gerald W. Thomlison, '85, of Elsie, May 7, age 67.
David F. Carter, '86, of Monroe, WI, May 27, age 72.
Debra A. McCullough, '86, of West Bloomfield, Nov. 4, age 50.
Elizabeth L. Band, '87, of Lansing, Aug. 30, age 48.
Patricia L. (McKenna) Coats, '87, of Traverse City, Aug. 12, age 75.
Marion B. (Brink) Preston, '87, of Saint Joseph, Jun. 16, age 85.
Thomas D. Kotulak, '88, of Jeffersonville, IN, Jun. 11, age 66.
Angelo Evangelista, '89, of Novi, Jun. 20, age 45.
Ronald D. Gladstone, '89, of Marietta, GA, Aug. 11, age 47.
Steven L. Peltier, '89, of Toledo, OH, Aug. 21, age 47.

'90s

William K. Carter, '90, of Rochester Hills, Mar. 26, age 44.
Leslie C. Rosenblatt, '90, of West Bloomfield, Aug. 29, age 44.
Timothy J. Boyd, '92, of Tawas City, Apr. 17, age 47.
Kirk F. Lusch, '92, of Mooresville, NC, Oct. 3, age 44.

Marcia D. Paige, '92, of Fenton, Mar. 24, age 42.

Brian G. Holt, '93, of Saint Joseph, Sep. 9, age 44.

Robyn L. Adel, '94, of Franklin, Oct. 10, age 41.

Michael S. Obrich, '94, of East Lansing, Aug. 3, age 43.

Song C. Yun, '96, of Lansing, Sep. 11, age 44.

Holli J. Wallace, '99, of Freeland, Oct. 16, age 37.

'00s

Alan D. Diedrich, '01, of Swartz Creek, Aug. 31, age 39.

Christen E. Merte, '02, of Stockbridge, Aug. 14, age 32.

Pierre A. Vanhelden, '02, of Erie, PA.

Katherine M. Woloson, '07, of Baltimore, MD, Aug. 10, age 27.

Martin A. Clark, '09, of Plymouth, Aug. 21, age 26.

'10s

Robert W. Lemon, '10, of Middleville, Sep. 2, age 25.

Noah D. Cooper, '11, of East Lansing, Sep. 15, age 31.

Faculty & Staff

Leo V. Nothstine, '38, of Mount Pleasant, Oct. 29, age 97.

Kirkpatrick Lawton, '45, of Washington, DC, Oct. 1, age 96.

Corrine M. Hahn, '48, of Manistee, Jul. 24, age 87.

Herbert W. Olson, '52, of Okemos, Aug. 28, age 86.

Joseph J. Waldmeir, '59, of East Lansing, Sep. 12, age 89.

Alex J. Cade, '63, of East Lansing, Aug. 7, age 84.

Richard L. Howe, '63, of Lansing, Jul. 30, age 74.

George W. Logan, '66, of Lansing, Aug. 6, age 74.

Linda J. Spence, '69, of East Lansing, Aug. 26, age 66.

Geneva Curtis, of Macomb, Sep. 2.

Amylou Davis, of Lansing, Oct. 15, age 80.

Dorothy Gascho, of Lansing, Oct. 5, age 89.

Philip E. Greenman, of Tucson, AZ, Feb. 5, age 84.

Robert E. Landick, of East Lansing, Aug. 27, age 90.

Lester Lott, of East Lansing, Sep. 14, age 65.

Robert McMann, of Lansing, Aug. 28, age 81.

Douglas Meister, of Lansing, Aug. 2, age 76.

Patricia A. Neumann, of Milton, FL, Oct. 18, age 68.

Harold Norris, of Bloomfield Hills, Oct. 14.

Louis G. Romano, of Okemos, Sep. 30, age 92.

Kenneth C. Sink, of Okemos, Aug. 22, age 75.

Neil O. Snepp, of Haslett, Oct. 11, age 86.

Carolyn L. Stevens, of Perry, Oct. 13, age 76.

James P. Wang, of Okemos, Sep. 13, age 88.

Frederic R. Wickert, of East Lansing, Jul. 15, age 101.

Johannes G. Wilbrink, of Winter Haven, FL, Sep. 1.

Bernadine L. Young, of Lansing, Sep. 19, age 71.



MSU was notified of these deaths between August 1, 2013 and October 31, 2013.

Send obituaries to:
MSU Alumni Magazine – *Obits Spartan Way*
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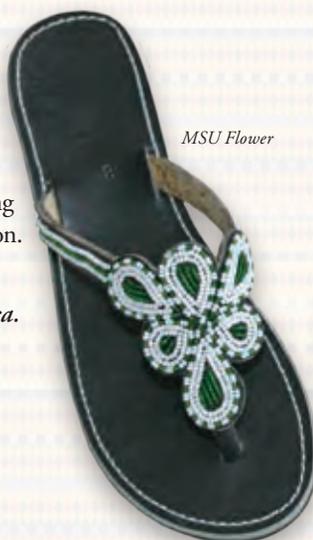
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AND THE SPRING FOOTBALL GAME **April 24-26, 2014**

The MSUAA has a special celebration planned for Spartans celebrating their 50th and 25th reunions from the classes of 1964 and 1989. If you are in a class prior to 1964, please mark your calendar as you are welcome as well.

REUNION ACTIVITIES INCLUDE:

- Awarding of the Kedzie Cane to the oldest male and female in attendance at the Kedzie Luncheon
- Photos of the classes of 1964 and 1989 at their special celebrations
- College events, educational sessions and campus bus tours
- Events for those involved in student government and Greek life
- Green & White Spring Football Game and pre-game tailgate

To receive a full reunion brochure in February, please email Regina Cross (crossreg@msu.edu) with your name and address.

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Marriott Hotel, 517-337-4440

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