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28 UNDERSTANDING NATURE'S CONFLICTS IS FOCUS OF MSU RESEARCHERS

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Cover:

Sparty, the new officers that make up the Association of Future Alumni and Director Dan DiMaggio (center right) pose in front of the Spartan statue.

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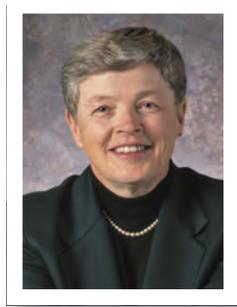
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Paul J. Phipps



PRESIDENT'S MESSAGE



I talk a lot about MSU's extensive engagement around Michigan and how we touch people's lives in every corner of the state, whether through MSU Extension, our community-based medical education programs, or other means. I also like to talk about how we have extended that land-grant approach to people around the world through our international research and study abroad programs.

As the more relaxed rhythms of summer settle along the banks of the Red Cedar, this is a good time to talk about what we do right here on campus to serve those who aren't enrolled students.

A lot of our undergraduate and graduate students, of course, find summer term to be a good time to catch up or to pull ahead on credits, but summer is far from sleepy on campus thanks to our many camps and other programs. This is when we can engage with a whole different set of learners, most of them K-12 students here to take advantage of fun and exciting learning opportunities.

To give a sense of the magnitude of the operation, MSU's Residential and Hospitality Services serves more than 200 groups each summer, not including the many day camps run by various university units. Nearly 30,000 guests stay a total of 122,000 nights in the residence halls, and collectively they eat more than 335,000 meals in the dining halls.

We are pleased to offer our facilities to many outside organizations, and this year we're hosting competitions such as the 2013 Odyssey of the Mind World Finals, which were held in May, and the 2013 World Dwarf Games, coming up August 3-10.

Our own programs generate much of the enthusiasm we see from visitors through the summer. Spartan Youth Programs offerings range from 4-H Fun on the Farm for kindergarteners to Chinese, Japanese, Italian, French, German, Spanish, Hebrew, and Hindi language camps for youngsters 7-12 years old to High Achievers, a Gifted and Talented Programs option for high school students.

There are sports and music camps and writing and poetry workshops. There's our renowned debate program's summer institute as well as programs for youth focusing on digital creativity. One of our most popular programs, of course, is our three-day Grandparents University in June, which gives alumni a chance to bond in the classroom and on campus with their grandchildren.

All of these programs allow budding Spartans to learn the joys of strolling campus on a balmy afternoon, MSU Dairy Store ice cream cone in hand. As generations of Spartans can attest, joining Team MSU has some special privileges!

Our interactions with the general public and outside groups don't just happen in summer, of course. We offer a year-round schedule of programs, and we're adding to it all the time. There's our well-known Community Music School, now in its new quarters on Hagadorn Road.

And in April we held our first MSU Science Festival, a week of lectures, demonstrations, displays, and hands-on activities around campus to show youngsters how science is a part of our daily lives and, perhaps more to the point, our future. Horticulture and sharks, drone technology and underwater robots, climate change, and science and religion were some of the popular topics.

What our summer visitors have in common with the rest of the student body is an interest in personal growth and intellectual development, and we're equally interested in helping each of them find personal success. Over time, our land-grant mission of outreach and engagement has embraced both young and old—helping them dream bigger dreams and giving them the means to fulfill those dreams.

Have a wonderful summer. Maybe we'll see you here, too!

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



DIRECTOR'S MESSAGE



THE RING

Anyone unfamiliar with MSU's newest tradition probably wondered why nearly 300 souls were walking from the Spartan Statue to Beaumont Tower in the rain.

Inside the tower, 100 MSU class rings had spent the night, marinating in the energy and magic that seem to radiate from this place. Members of the Marching Band played the Fight Song as the crowd encircled the raised podium where I stood.

The rain continued to fall as I talked about a ring designed by the students and the special people each graduate had selected to place it on their fingers.

President Simon spoke of the permanent bond that the university forges on that graduation day. She echoed the words of John Hannah, "Up until the moment you receive your diplomas, you have been free to sever your connections with Michigan State at any time. But once you accept your diplomas . . . your status changes and you become a part of Michigan State forever."

Stella Cash described the Spartan Nation: a family that would always be there in good times and in bad.

It was time for the ring presentations. Beaumont Tower tolled 93 times, once for each recipient. Concluding the ceremony, the band played MSU Shadows, and another stanza of the fight song.

Then it was over.

The rain continued to fall. But few wanted to leave this place. There were tears and smiles from those who comprehended, in this instant, the true meaning of what had just happened. I heard stories of first ever college graduates, living the true land-grant vision of an institution created to be a place where anyone with the drive and desire for a university education could make that dream come true. There were second and third generation Spartan celebrations and tales of students who had literally spent a lifetime in pursuit of the accomplishment that this ring now symbolized.

One woman had a significant other on her arm. I couldn't help but notice the seeing-eye dog sitting patiently at his feet. "He can't see me

walk across the stage to receive my diploma," she said as her own eyes welled with tears. "Today he understands how important this milestone is . . . to both of us."

Raindrops cascaded across my face as I felt the deep gratitude that comes from being a Spartan helping Spartans.

I realized that my eyes were wet, too.

But it wasn't from the rain.

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



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As of June 1, 2013



IN BASKET



MSU AND AFRICA

I really enjoyed your cover story about MSU and Africa. It brought back memories of my time at MSU when I had the pleasure of getting to know several African students. They were among the hardest working students I knew. Their stories gave me a new perspective and attitude for Africa. I am proud to see us continue working on the African continent.

Mike Lasecki, '75, MD '78
Mobile, AL

KUDOS TO CMS

Kudos to MSU's College of Music and the Community Music School (CMS) for the commitment to provide enriching music opportunities on and off the campus. The new CMS facility on Hagadorn Rd. unites talented musicians and music educators from the campus and the community to provide music opportunities for people of all ages. As members of the New Horizons band will testify, you

are never too old to learn to play a musical instrument.

JoAnne (Simcox) Miller, '65
Homer

GOOD MEMORY

Every time I read an article about the MSU Libraries, such as your story about the Turfgrass Information Center (Spring 2013), I'm reminded how much I loved spending time at the main library as a student (and not just studying there). Thanks to Cliff Haka and everyone who continues to make the library great.

David Turetsky, '91
Minneapolis, MN

LASTING IMPRESSIONS

Your Winter 2013 issue featured a beautiful "Lasting Impressions" photo of campus, and I was able to obtain a 48 x 36 wall mounted reproduction, courtesy of Derrick Turner, multimedia specialist at MSU's Communications and Brand Strategy. (You can email him at Derrick.Turner@cabs.msu.edu.) I wanted

to share this with readers of the *MSU Alumni Magazine* in case others wanted to buy an enlargement of a campus photo for their home but didn't know they could.

Arthur S. Fetters, '53
Naples, FL

PUBLIC ART

Re your story about public art on campus—there's a new website detailing all public art on campus: publicart.msu.edu.

Jeff Kacos, '71
Director, Campus Planning
& Administration

PLANE CRASH?

Re your cover story in the Winter 2013 issue. To me, the new art museum looks like an airplane that missed the runway and crashed on north campus. The ultra modern architecture is totally out of place next to the ivy covered halls. A museum of this sort belongs on south campus, or somewhere in the wide open spaces where it does not clash with the existing architecture.

Charlotte Bruce, '71
Grand Blanc

CATALYST FOR CHANGE

Greatly enjoyed your "Catalyst For Social Change" column. My only recruiting visit to MSU was on the same weekend of the Mississippi-Loyola NCAA regional game. Not a basketball fan then, I was unaware of the controversy. I remember assistant coach Vince Carillot introducing me to George Webster, who was also visiting. I'll never forget what Vince said later—that it was probably the first time Webster had ever shaken hands with a white kid. Our 1965 & 1966 national championship teams put major cracks in the dam of segregation. Electing two black captains in 1966 by a white majority of letter

winners helped hasten its collapse. By the way, (former MSU quarterback) Jimmy Raye is working on a book about MSU's role in the civil rights struggle.

By the way, the players you named all had to cross the Mason-Dixon line to play on an integrated team, except for (running back) Clinton Jones, who was born and raised in Cleveland, Ohio.

Pat Gallinagh, '67
Ironwood

☛ *Pat Gallinagh, a defensive lineman for MSU in the mid-1960s, was named an Academic All-American in 1966.* —Editor.

Outstanding editor's column in the Spring 2013 edition. I'm glad you gave exposure to MSU's leadership in providing opportunities for gifted athletes to perform at the collegiate level regardless of their color or nationality. We have been blessed to have had colorblind coaches like Biggie Munn and Duffy Daugherty.

William H. Archer, '57
Mason

Your column about the game at Jenison Field House brought back memories of the NCAA game that was commemorated. As a freshman trumpet player on the Spartan Marching Band, I can remember us wanting to greet the visitors with a Spartan welcome. Not knowing which team would come—Mississippi State or Georgia Tech—we learned both fight songs and were at the airport between 2:00 and 3:00 a.m. Director Bill Moffit went up to the plane to find out who they were so we'd play the right song. I am honored to be the only member of that welcoming contingent to also play, 50 years later, at the commemorative game in Jenison Field House.

Greg Pell, '66
Okemos



AROUND CIRCLE DRIVE



MSU IS PARTNER IN STROKE CENTER

The Sparrow Stroke Center, in collaboration with MSU, is the first facility in Michigan to be certified as a Comprehensive Stroke Center (CSC) from the Joint Commission, an independent nonprofit that certifies health care facilities in the U.S.

The designation recognizes elite programs that have the infrastructure, caregivers and equipment to diagnose and treat patients with the most complex strokes. Stroke is the fourth-leading cause of death in the U.S. and the leading cause for disability among adults, with some 800,000 cases a year.

The collaborative efforts between stroke specialists at Sparrow, MSU's Dept. of Neurology and Ophthalmology, MSU HealthTeam and Lansing Neurosurgery were key to getting the CSC designation.

"We are honored to have met the Joint Commission's very rigorous standards and to put Sparrow on the map as a truly world-class stroke center," says Syed Hussain, medical director of stroke services at Sparrow and an MSU HealthTeam neurologist.

"We are so pleased to help bring this level of care to the Lansing area," says Richard T. Ward, CEO of MSU HealthTeam. "Our combined clinical capabilities mean patients here have access to the best medical expertise not just in stroke, but in a wide range of health conditions."

NEW HELP FOR CANCER PATIENTS

Researchers in MSU's College of Nursing will use two federal grants to explore tools for helping cancer patients navigate new chemotherapy drugs.

Although chemotherapy in pill form that patients can take at home is convenient, it tends to lack clinical supervision.

"It's not like taking one medication every day," says University Distinguished Professor of nursing Barbara Given. "Every month there's a different protocol for many of these drugs."

Given and her husband, Charles Given, MSU professor of family medicine, will lead a clinical trial to see if an automated phone call system can help patients take their pills properly. The four-year, \$2.2 million grant from the National Cancer Institute marks 37 years of continuous funding for Barbara Given from the National Institutes of Health.

Meanwhile, Sandra Spoelstra, assistant professor of nursing, will

use a two-year, \$350,000 grant—also from the NCI—to test the effectiveness of text messages reminding patients to take their chemo pills and requiring them to reply when they've done so.

She says the two studies are about finding a menu of effective options for patients with various needs. "Some patients will need a nurse to phone them," says Spoelstra. "Others will only need an automated call or a text message. It's ultimately about finding what works for each individual patient."

TWO STUDENTS ARE GOLDWATER SCHOLARS

Two MSU students have been named 2013-14 Goldwater Scholars. Both are juniors in the College of Natural Science and the Honors College.

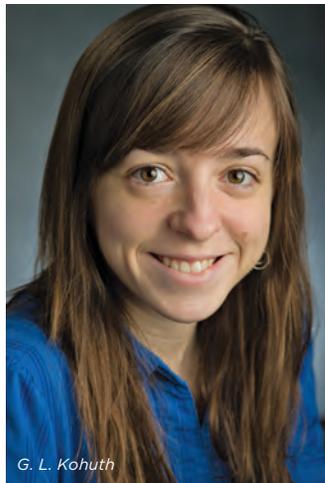
Erik Bates of Ada and Kayla Felger of Ft. Wayne, IN, will receive a Goldwater Scholarship for the 2013-14 academic year. To date, 34 MSU students have been named Goldwater Scholars, who are se-

lected from the fields of mathematics, science or engineering.

"It is very exciting that these students have been recognized for their excellence in and dedication to research," says Cynthia Jackson-Elmoore, dean of the Honors College. "The Goldwater Foundation plays an important role in helping MSU and other research universities assist students in following their research passions."

Bates is majoring in advanced mathematics and plans to obtain a doctorate in mathematics and perform research in a pure or applied mathematical discipline while teaching at the collegiate level. Felger is majoring in chemistry and human biology and plans to obtain a doctorate in organic chemistry and design biomedical materials that are both affordable and manufactured from renewable resources.

Kayla Felger



G. L. Kohuth

Erik Bates



G. L. Kohuth

MALARIA TEST FROM MSU

MSU researchers have identified a test to determine which children with malaria are likely to develop cerebral malaria.

The screening tool could be a game-changer in resource-limited rural health clinics where workers see hundreds of children with malaria each day and must decide which patients can be sent home with oral drugs and which need to be taken to hospitals for more comprehensive care.

“Rural health workers have to make these decisions with very little objective data, and the consequences of an inappropriate decision are huge,” says Karl Seydel, MSU assistant professor of osteopathic medical specialties. “Children who progress to cerebral malaria have a 20 percent mortality rate, or even higher if they don’t get the right treatment early in the disease process.”

In the *Journal of Infectious Diseases*, Seydel and colleagues report that testing patients’ blood for HRP2 was an accurate predictor of how the disease progressed among children at Queen Elizabeth Central Hospital in Blantyre, Malawi.

Ninety percent of childhood malaria deaths occur in Africa, where an estimated one million children die from it each year.



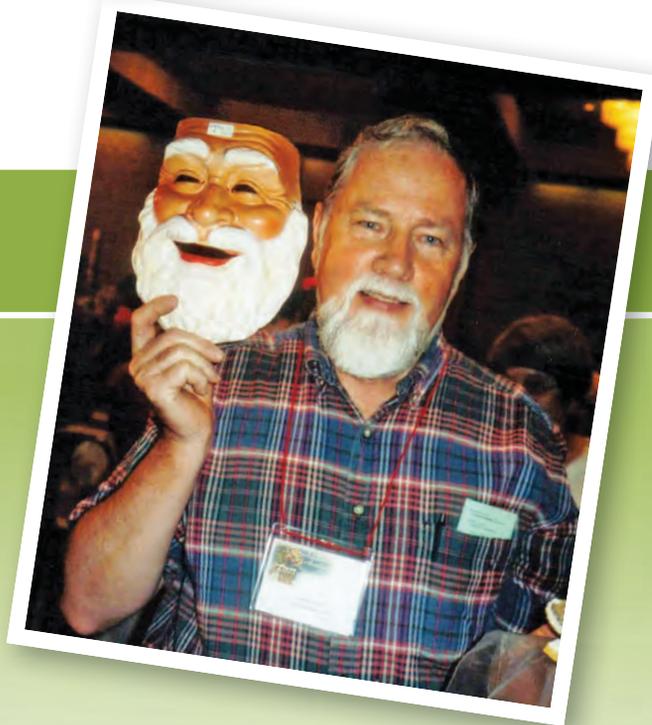
MSU MOMENTS

This capsule of MSU history was compiled by Sarah Roberts, acquisitions archivist of the University Archives and Historical Collections.

The MSU history community lost a friend and key figure when longtime museum curator Val Berryman passed in January 2013. Berryman came to MSU as student in 1958 and earned a BFA and MFA in art. He began working at the Museum as a student and became an exhibit technician in 1963. In 1967 he was named curator of historical artifacts. Berryman curated many exhibits at the MSU Museum during his career. One of his personal passions was collecting Santa Claus related objects and over the years he

curated several special Christmas exhibits. Berryman donated his personal collection to the MSU Museum so future exhibitions can be held.

Val Berryman was a trusted friend and valuable colleague of University Archives and Historical Collections (UAHC). The Archives usually relied on Berryman for anything related to donations of three-dimensional objects; with his extensive knowledge of MSU history he would know just where the artifacts fit into MSU’s historical record.



Berryman’s legacy will live on thanks to the creation of the Berryman MSU Museum Curator of History Endowment established by museum employees Julie Avery, Stephen Stier and Val Berryman. It is the first

endowed curatorship for the Museum. The curatorship will provide lasting benefit to the MSU Museum. Val Berryman’s name—and his love for MSU history and the MSU Museum—will live on.

Courtesy of the Wharton Center



BOOK OF MORMON SLATED FOR 2014

The blockbuster show *Book of Mormon* (June 10-15, 2014) will headline the 2013-14 season at MSU’s Wharton Center for Performing Arts, now entering its 31st year. The musical won nine Tony Awards in 2011, including Best Musical. “This audacious, hilarious and sacrilegious show is the biggest hit Broadway has seen in decades,” writes *Lansing State Journal* columnist Ken Glickman, who notes that the show, even at ticket prices of \$300-400 in New York, “is sold out for months to come on the Great White Way.”

The Wharton Center has added some designated “After Chats,” conversations with performers after the performances. These opportunities are free of charge and offer added value to customers. In addition, patrons will have three “Spotlight Dinner” opportunities and “Insight Previews” before five concerts.

The MSU Federal Credit Union Broadway at Wharton Center Series is being endowed with a \$1 million gift from MSUFCU (see photo of the check presentation). The endowment will help attract touring Broadway shows to mid-Michigan and help fund educational initiatives, says Mike Brand, executive director of the Wharton Center. When fully funded, the endowment is expected to generate \$50,000 annually.



Harley Seeley



Derrick Turner/Communications and Brand Strategy

NAMING OF MORRILL HALL

MSU’s Agriculture Hall will be renamed the Justin T. Morrill Hall of Agriculture, with dedication ceremonies planned for this fall.

The change ensures that the name of the man responsible for the Land-Grant Act will remain on campus after the demolition of Morrill Hall, which began in May. Built in 1900, the wooden structure had suffered irreparable deterioration. Reconstruction and

restoration of the facility were not deemed economically feasible.

When the demolition is completed in August, a site restoration project will get underway. Plans include a terrace with green space, extensive landscaping, special paving, seat walls and piers that will hold commemorative plaques. The plans were designed by teams of students from MSU’s School of Building, Design and Construction.

For more information, visit construction.msu.edu/index.cfm/projects/morrill-hall-demolition/.

Photos by Paul J. Phipps



DEBUT OF NEW SCIENCE FESTIVAL

For over a week, from April 12 to 21, children and visitors to campus—including the ones pictured in the Science Theatre enjoying a presentation on radioactivity—enjoyed the first-ever MSU Science Festival, a celebration of the science that touches everyday lives.

More than 150 diverse offerings spanning the science spectrum, from astronomy to human behavior to robotics to zoology, were showcased during the joint effort of the MSU scientific community and University Outreach and Engagement.

“There was something for everyone—children, teens, adults and seniors,” notes Carla Hills, communications manager of University Outreach and Engagement. “Thousands in the community turned out to experience this festival presented by members of the MSU scientific community, including dedicated faculty, staff and students.”

In the photo, festival attendees roll objects of differing geometry and weight down an inclined plane to compare their rolling speeds and to show that objects with the weight closest to their center of mass always win.

☛ For more information, visit sciencefestival.msu.edu.

BINGE EATING AND GENDER

Female rats are much more likely to binge eat than male rats, according to new MSU research that provides some of the strongest evidence yet that biology plays a role in eating disorders.

The MSU-led study is the first to establish sex differences in rates of binge eating in animals, with implications for humans. Binge eating is a core symptom of most eating disorders, including bulimia nervosa and the binge/purge subtype of anorexia nervosa. Females are four to 10 times more likely than males to have an eating disorder.

“Most theories of why eating disorders are so much more prevalent in females than males focus on the increased cultural and psychological pressure that girls and women face,” says Kelly Klump, lead author and professor of psychology. “But this study suggests that biological factors likely contribute as well, since female rats do not experience the psychosocial pressures that humans do, such as pressures to be thin.”

Klump and colleagues ran a feeding experiment with 30 female and 30 male rats over a two-week period, replacing the rodents’ food pellets periodically with vanilla frosting. They found that the rate of binge eating “proneness” was up to six times higher in female as compared to male rats.

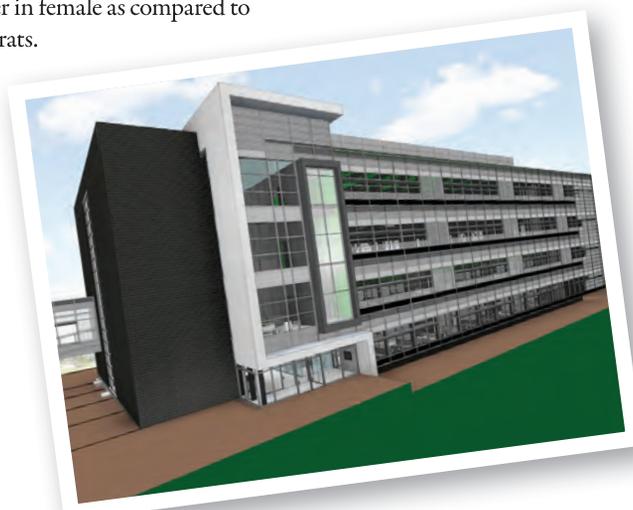
NEW BUILDING FOR BIO ENGINEERING

A new Bio Engineering Facility on the MSU campus has been given the green light by the MSU Board of Trustees.

The proposed project will stand four stories tall and contain about 130,000 square feet of laboratory and office space. The goal is to bring together research teams from the colleges of Engineering, Human Medicine and Natural Science to promote the development of bioengineering and engineering health sciences.

“By housing faculty from several colleges in this facility—with complementary research talent—we will be able to make great strides in medical technology through daily collaboration,” says Leo Kempel, acting dean of the College of Engineering. “This not only benefits the research enterprise, but it also will provide new learning opportunities for our students.”

Located between the Life Sciences and Clinical Center buildings on south campus, the building will connect to the Clinical Center C-Wing and Life Sciences B-Wing, in the proximity of the Radiology Building. About half of the projected \$60.8 million cost will be covered by the state of Michigan.





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

► **Mike Kolar**, assistant director of admissions, has earned the Gen. William E. DePuy Award, the highest civilian award given by the U.S. Army Cadet Command. Kolar has served as the university's Army ROTC liaison since 1996.

► **Anne Mervenne**, co-director of MSU's Michigan Political Leadership Program in the Institute for Public Policy and Social Research, has been named among the Women Officials Network Foundation's "Wonder Women of 2013." Mervenne is CEO of Mervenne & Company, a governmental relations consulting firm.

► **Rocio Quispe-Agnoli**, teacher-scholar of Peruvian and Andean studies and associate professor of Spanish in MSU's Dept. of Romance and Classical Studies, has been named a 2013 Successful Peruvian Woman in America. She is one of four recipients selected this year by the Embassy of Peru in the U.S.

► A student team representing the MSU chapter of the American Advertising Federation (MSUAAF) has advanced to the 2013 National Student Advertising Competition finals in Phoenix, AZ. The team won an 18-school district competition.

NEW FACES

► **Doug Buhler**, former interim dean of the MSU College of Agriculture and Natural Resources, has been named director of MSU AgBioResearch and CANR senior associate dean for research. He replaces Steve Pueppke,

who has been named director of CANR Global and Strategic Initiatives. Pueppke will also continue as MSU associate vice president for research and graduate studies.

GRAD PROGRAMS TOPS IN THE NATION

MSU has the nation's top graduate programs in elementary and secondary education, nuclear physics and industrial/organizational psychology, according to the annual *U.S. News & World Report*.

The four top-rated programs—from three different colleges—represent the breadth of MSU's graduate education in the magazine's 2014 edition of *Best Graduate Schools*.

Also supply chain/logistics is at No. 2, African history at No. 3 and veterinary medicine at No. 9. The elementary and secondary graduate education programs have both ranked No. 1 for 19 years in a row. The College of Education boasts five programs ranked first or second—more top-two programs than any other education school in the country.

For the fourth straight year, MSU nuclear physics was ranked at the No. 1 spot. MSU is home to the National Superconducting Cyclotron Laboratory, a world-leading center for rare isotope research and nuclear science education. MSU also is designing and building the Facility for Rare Isotope Beams, funded by the U.S. Dept. of Energy, MSU and the state of Michigan.

The overall college ranking reflects the quality of the curriculum, faculty, students and research within the college, as well as data from surveys of education deans and school superintendents nationwide. The individual program rankings are based on the survey of deans.



ULTRASOUND CAN DETECT AUTISM RISK

Low-birth-weight babies with a particular brain abnormality are at greater risk for autism, according to a new study that could provide doctors a signpost for early detection of the still poorly understood disorder.

Led by MSU, the study found that low-birth-weight newborns were seven times more likely to be diagnosed with autism later in life if an ultrasound taken just after birth showed they had enlarged ventricles, cavities in the brain that store spinal fluid. The results appear in the *Journal of Pediatrics*.

"For many years there's been a lot of controversy about whether vaccinations or environmental factors influence the development of autism, and there's always the question of at what age a child begins to develop the disorder," says lead author Tammy Movsas, clinical assistant professor of pediatrics at MSU and medical director of the Midland County Department of Public Health.

"What this study shows us is that an ultrasound scan within the first few days of life may already be able to detect brain abnormalities that indicate a higher risk of developing autism."

Movsas and colleagues reached that conclusion by analyzing data from a cohort of 1,105 low-birth-weight infants born in the mid-1980s. The study was supported by a grant from the National Institutes of Health.

DECODING DNA OF ANCIENT LAMPREYS

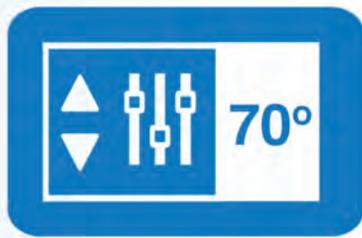
When it comes to evolution, humans can learn a thing or two from primeval sea lampreys.

As reported in *Nature Genetics*, scientists have decoded the DNA sequence of the sea lamprey—one of the few ancient, jawless species that has survived through the modern era. The finding provides insights into the evolution

of all vertebrates, says Weiming Li, MSU fisheries and wildlife professor, who coordinated the team.

"Sea lampreys are amazing survivors," says Li. "Even though they diverged from our lineage 500 million years ago, they give us a template of how vertebrates, including humans, evolved into the modern species that we have today."

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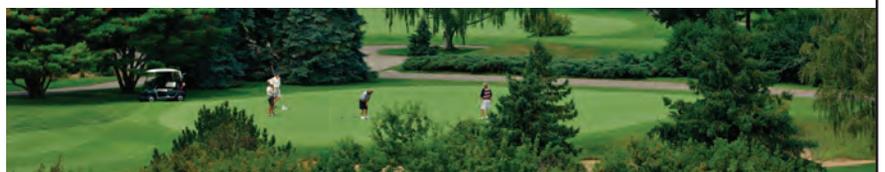


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SAF *reshapes* ITS VISION AS *the* ASSOCIATION *of* FUTURE ALUMNI



By Dan DiMaggio

The Student Alumni Foundation undergoes a major rebranding, beginning with a descriptive name change that makes its mission crystal clear.





From the beginning, the MSUAA's Student Alumni Foundation has evolved in step with the university.

Since its creation in 1986, the SAF has earned well-deserved honors for best practices in leadership, programming and our world renowned mascot, Sparty. This fall, the SAF will again transform. MSU's largest student organization will have a new name and a deeper commitment to binding traditions into the hearts and minds of students.

This summer SAF will embark on a reinvention. The goal is to preserve the best of the storied past while launching new initiatives to become the central source for leadership development, mentoring, internships and the preparation beyond MSU's outstanding academic education that will position graduating Spartans for a successful launch into the Spartan Nation.

It begins with the name. "The Student Alumni Foundation" moniker has always been a source of confusion. Is it a charity? What are student alumni? How exactly does the name square with the mission? These are the questions that served as a catalyst for a new brand—The Association of Future Alumni. That's what the organization is, a group of future alumni who are dedicated to modeling the service ethic that has been at the root of the MSU Alumni Association's growth over the past three years.

"The Association of Future Alumni much more clearly articulates the heart and soul of the former Student Alumni Foundation," says Scott Westerman, executive director of the MSU Alumni Association.

"Where we may have been competitive with other registered student organizations (RSOs) on campus, we intend to become collaborative. Just as the MSUAA provides leadership training and strategic support for 168 clubs around the world, we will do the same thing for MSU's more than 600 RSOs. We will help spread great ideas, create an environment that fosters greater communication between student leaders and work closely with our partners in student government and Student Life to enhance the Spartan experience in every corner of campus. We will teach our future alumni the importance of the Spartan Network and how to properly utilize the vast resources they have available to them through the MSUAA, our global network of clubs and our thousands of active volunteers."

A core group of alumni is eager to engage with students and a campus population that has begun to realize the importance of leveraging all of the resources that come with an education at MSU. The Association of Future Alumni will be the bridge that facilitates relationships to last a student, young alum and new professional a lifetime.

The goal of the transformation is to better align the philosophy of student programming to that of the overall MSU Alumni Association. Students at the onset of their

college careers will be exposed to the vast Spartan Nation that is ready to help them throughout college and upon graduation. Historically the SAF has served as the keeper of many Spartan traditions—such as the world's greatest mascot, Sparty. It organizes three student spirit teams that have set the standard across collegiate athletics—the Izzone, the ATeam for ice hockey and the newly formed Boss Town for baseball.

These traditions will continue, but they will be enriched and further improved. The goal is to broaden a perception of an organization that students think "runs the student sections and Sparty" to one that develops leaders, offers mentoring opportunities and is the gateway for becoming an active Spartan alum. Relationships will be leveraged and new partnerships forged to promote Spartan traditions from the moment a freshman comes to campus. This aligns with the larger mission of the MSUAA.

"Since MSUAA is the primary organization which celebrates Spartan traditions throughout the Spartan Life, it made perfect sense for Dan DiMaggio and his team to focus the efforts of our affiliated student organization toward deepening those Spartan values we hold dear within the student population," says Westerman.

So why make changes to an organization that would seem to have withstood the test of time and is flourishing? Because the time is right. The biggest challenge of service organizations today is to remain relevant in the Facebook age. Students' lives are busier than

We intend to preserve the best of our storied past while launching new initiatives to become the central source for leadership development, mentoring, internships and preparation beyond MSU's outstanding education.



ever; they are more carefully assessing the value propositions of every activity. This trend is not only being seen in the alumni/student relations world, but in student life, residential housing and all facets of the student engagement spectrum. MSU boasts tremendous students—outstanding leaders anxious to make an impact in the world. Through more meaningful engagement, the primary goal of the Association of Future Alumni is to help prepare Spartan leaders for the world awaiting them after graduation. There is a secondary goal too—early identification of Spartans who are most likely to become “leaders, lifesavers and world changers,” individuals who will answer the call to Spartan service, engage in club leadership and rise to the top of their organizations while remembering the crucial role that their MSU experience played in making them the productive adults they have become.

The barrier of student membership dues needs to be removed to encourage broader participation. The focus will be on collecting data about the needs of an evolving student population and targeting programming to appeal to Spartans with big dreams and high expectations. Staying more closely connected with the most engaged students and demonstrating the value of an association with MSUAA will create an unbreakable bond that will follow them wherever they go.

Many of the changes that need to take place to make this transition a reality are well under way. Over the past three years, SAF

was one of the largest providers of student internships on campus. In 2012-2013, the organization had 31 interns running 11 different programs. The students involved with that leadership were provided the experience now be opening to all student leaders on campus within the next two years. In the upcoming year, the Association of Future Alumni has downsized to 19 student interns with four marquee programs. To offer a more realistic world and professional experience, students will become experts in a topic/major and work in teams to hold events, run initiatives, and interact with campus partners and alumni.

As a member of the former Student Alumni Foundation Board of Directors, Sarah Holden has been involved in the reinvention process and lives the experience we will be creating for the greater Spartan community.

“This past year on the board has exceeded all expectations I had coming into the program,” says Holden. “I was placed in an environment where I had the opportunity to further develop my leadership skills in ways I never would have imagined. As a former associate director of Alumni Engagement, I had the chance to begin working with hall directors this past spring and I am beyond excited to continue in that direction with the changes this upcoming year.

“I think it is imperative that we build relationships with other student leaders on campus to help promote involvement and participation. This upcoming year as an

associate director of Undergraduate Engagement I look forward to teaming up with those student leaders to connect the student body with the resources we have available.”

The MSUAA welcomes any help from active and interested alumni, whether it is to serve as a mentor or return to campus to share one’s Spartan story with students. The Association of Future Alumni will actively seek out and facilitate these partnerships. All alumni—young ones who graduated two years ago or seasoned Spartans with a lifetime of experience—have something of value to offer today’s Spartans. With alumni help, the Association of Future Alumni will instill in today’s student leaders that the notion of “Spartans Helping Spartans” is alive and well. Hopefully this will inspire MSU’s best and brightest to go out in the world to pursue the objective of ensuring that the MSU legacy is accessible for generations to come.

In the very near future, the MSU Association of Future Alumni will become the key place on campus that high-potential students will turn to for leadership development and training, access to engaged Spartan alumni and to coalesce the resources young Spartans will need to help accomplish their personal and professional goals. By leveraging the wisdom and experience of the Spartan Nation, the “Spartans helping Spartans” mantra that is at the center of everything the MSU Alumni Association does can soar to new heights. 

► *Dan DiMaggio, '00, is the director of the Association of Future Alumni, which oversees the Sparty Mascot Program, the Izzone, Spartan Ambassadors and other student programs. He lives in Haslett with his wife and two daughters. In his spare time, he enjoys golf and watching the Detroit Tigers.*



QUICK FACTS

The MSU Association of Future Alumni is a self-funded program. All donations to the program go directly to support initiatives that enhance student leadership opportunities. Through the generous support of sponsors and donors, this programming is made possible.

To support the organization, contact Dan DiMaggio at (517) 355-4458 or dimaggio2@msu.edu.

The MSUAAFA is a member of the Council for Advancement and Support of Education, Affiliated Student Advancement Programs (CASE ASAP). There are more than 60 member institutions from around the Midwest district. The Association of Future Alumni has received many awards, including: 2009 Outstanding Internal Program; 2009 Outstanding Organization; 2009 Outstanding External Program; 2010 Outstanding Advisor; 2011 Outstanding Organization; 2011 Outstanding Internal Program; 2011 Outstanding Tried & True Program; 2013 Outstanding Advisor; and 2013 Outstanding Internal Program.



Away Game Schedule

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- Oct. 26 **MSU** vs Illinois
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OUR NATURE WARS



By Jim Sterba

With the dramatic rise of the intersection between humans and wildlife across America, a national writer and columnist calls for common sense solutions.

Nature Wars, The Incredible Story of How Wildlife Comebacks Turned Backyards into Battlegrounds (Random House, 2012) is, in essence, a history of Americans, forests and wildlife from the end of the last Ice Age up to our current mess of too much of a good thing.

We have burgeoning populations of many wild animal and bird species: some overabundant, like deer; some nuisances, like geese; some causing great damage, like beavers; and some intimidating, like coyotes and bears. These and other wild populations are growing and spreading in our midst. They amount to riches we haven't figured out how to deal with. So we fight about what to do, if anything.

It is wonderful, in my opinion, to have wildlife around. You may agree. Unless, of course, you are one of more than 4,000 drivers who will hit a deer today; goose droppings have rendered your child's soccer field unplayable; coyotes have snatched your pet; turkeys

have plucked out your just-planted seed corn; beavers have chewed down the expensive new birch tree in the front yard; bears have looted your bird feeders and garbage cans...you get the drift.

To be sure, many species are declining, diversity is dwindling, and many species are threatened with extinction. The wealth of trees and wildlife on our little patch of the planet contrasts sharply with a world that seems to be going in the opposite direction. In fact, in *Nature Wars*, I make this assertion: it is very likely that more Americans live in closer proximity to more wild animals, birds and trees in the eastern United States than anywhere else on the planet at any time in history.

If that sounds preposterous, I will agree that it is, as we say in journalism, weasel-worded. What, for example, does "closer proximity" mean? Obviously in the past there were more wild animals in many places, but with fewer



people among them. Today, there are more people in lots of places but they have taken a toll on the wildlife around them. Africa has more of both, but it is a very large continent and its human populations are concentrated in some places and wildlife in others. I believe our circumstances are unique in place and time.

In any case, let's suppose it is true. How did it happen?

In a nutshell, for the last 175 years or so, much of the land cleared by settlers to farm has become reforested again. Over the last century, public and private conservation efforts have brought back many wild species that had been ravaged by settlers and commercial hunters and trappers. And since the end of the Second World War our prosperity has afforded people unmatched opportunities to move out of cramped cities into suburbs, exurbs and beyond.

Let's look at these three overlapping events one at a time.

Three-quarters of the original forests in the continental U.S. were in the eastern third of the country—from the Atlantic coast out to the Great Plains. Settlers cleared away much of them to create cropland and pasture. For a long time, trees were the only source of fuel and building materials. Then in the 19th century, beginning in New England, trees began to re-colonize farm land abandoned either because it was marginal or it wasn't needed. When tractors came along, horsepower became obsolete. Suddenly, 70 million acres that grew food for horses and other draft ani-

mals—one-fourth of all crop land in 1910—wasn't needed. Also, yields per acre soared with the use of machines and fertilizers. Lots of farmers quit for good factory jobs in town with weekends off and vacations. Trees took a lot of that land back.

Today, roughly 60 percent of the land in the east that experts think was forested in the early 1600s is reforested today. In New England, it is more than 80 percent. Of course, they're not the same forests. Some people say they're not "forest" forests because we live in them. Today, the eastern U.S. contains two-thirds of our forests (excluding Alaska) and two-thirds of our population. Plus an infrastructure: houses, roads, malls, utility lines, parking lots. You name it. All the ingredients of sprawl, plus trees.

Wildlife had a terrible time of it after Columbus. For the next 400 years, Indians, explorers, traders, and commercial hunters killed off wild animals and birds for profit. They shipped beaver pelts and deer hides to Europe by the tens of millions; they sold wild game meat to butcher shops, restaurants and homes. They sold feathers to hat makers and pillow-stuffers. Settlers, too, killed off wildlife to feed their families. The combination of market hunters and family pot hunters killed off most wildlife—leaving scattered remnants of many species. A few, like the passenger pigeon, were killed off to extinction.

The destruction in the late 19th century (the time of the great slaughter of plains bison) was so egregious it was called an "era of

extermination” and it triggered a backlash: the conservation movement. Market hunting for food, fur and feathers was outlawed. Wildlife refuges were created and stocked with remnant animals caught and moved in from afar. A unique wildlife management model was put in place in which wildlife belonged to all citizens and would be managed by government on their behalf. In turn, citizens agreed to abide by new hunting and trapping seasons and limits on how many birds or animals we could harvest.

Since most of the predators—wolves, cougars and bears, for example—had been killed off, and with hunting and trapping regulated, restocked species such as deer and beavers rebounded.

Sprawl in my book consists of suburbs, exurbs and rural areas where people reside but don't farm for a living. After the Second World War, soldiers came home to a tremendous housing shortage, and with government help, houses were built on the edges of cities—and the suburbs, the Levittowns, were born. People flooded out of crowded, gritty cities into near-in suburbs—then spread farther out. Roads were improved. The Interstate Highway system was built, along with beltways around cities. Gas was cheap. You could get an affordable house with a lawn and shrubs out beyond the cities, off some freeway exit far from town.

By 1960, about a third of the population lived in cities, a third lived on farms and a third lived in suburbs. In 2000 a milestone was reached: More than half the population, an absolute majority,

lived not in cities, not on farms, but in that vast in-between—sprawl.

Conservationists in the 19th century didn't conceive of sprawl. How could they? No one had lived like this before. It wasn't until late in the 20th century that the people in charge of bringing wild populations back to health—mainly state and federal special-

better than theirs, in many cases.

Take white-tailed deer. They flourish in a mosaic of forests and fields with hiding, feeding, watering and resting places—lots of so-called “edges.” Dr. William McShea at the National Zoo calls sprawl “deer nirvana.” We grow all sorts of food for them—lawns, gardens, shrubs—and largely protect them from predation by



It is very likely that more Americans live in closer proximity to more wild animals, birds and trees in the eastern United States than anywhere else on the planet at any time in history.

ists in the developing science of wildlife management—began to see that sprawling people and rebounding wildlife were on a collision course.

Some people say that because we encroached into wildlife habitat, today's problems with wild species are our fault. That's true, we encroached, mainly into old farm land. But that's only half the story. The other half is that wildlife encroached right back on us. Lots of species adapted with surprising ease to life in the sprawl, to living around people.

They did it because our habitat is

discouraging hunting in the name of safety.

Take Canada geese. Same thing. Golf courses, parks, playing fields, corporate parks offer lots of food (grass), long sightlines for spotting predators, and roosting ponds and lakes for keeping predators away.

Take coyotes. Until recently, coyotes were thought to be people-shy. But as they turn up in the sprawl, they quickly learn they have nothing to fear from man, and much to gain. They can snack on a cat or a small dog. Learning that, they move in farther.

That's why Stan Gehrt of Ohio State estimates there are 2,000 in Chicago, some even living near the Loop.

Take wild turkeys. A few years ago, nobody thought they could adapt to suburban life. Now they're intimidating kids and mailmen.

What to do? A lot of people say do nothing: let nature take its course. Trouble is, people are ubiquitous on the landscape, manipulating nature all the time.

Other people who are against humans using lethal means to control overabundant or nuisance populations of deer, for example, are for bringing back the white-tails' natural predators. Great idea. Coyotes and black bears are deer predators and they are increasing around us. They kill fawns, mostly, and not enough to have much impact. Wolves and cougars are big deer predators. They depend on deer as a major food source. And they are gradually moving east and south as their populations grow and expand.

But they won't be where they can do much good anytime soon. Besides, people have to ask themselves whether they really want mountain lions and wolf packs roaming their neighborhoods.

There is one other deer predator worth mentioning. Studies indicate that since the end of the last Ice Age this predator has been the top predator of whitetails—probably killing more deer annually than all the other deer predators combined. This predator is us.

Do we still have an impact? Hunters kill about 6 million deer a year. Drivers kill another



What to do? A lot of people say do nothing: let nature take its course. Trouble is, people are ubiquitous on the landscape, manipulating nature all the time.

1 to 2 million. Let's say other predators, disease, and so on kill another 6 million. That's 12 to 14 million dead deer a year. That's good deer management in some places, especially rural areas. Deer populations are kept in line with the ecological carrying capacity of the landscape, but not so low that hunters grumble, as many do anyway, about too few deer.

In the sprawl, where deer populations are growing fastest, modern man has largely taken himself out of the predation business. To discourage hunting and encourage safety, sprawl man has plastered his landscape with firearms restrictions. In Massachusetts, for example, it's illegal to discharge a firearm within 150 feet of a hard-surfaced road or within 500 feet of an occupied dwelling (without written permission). These rules alone make about 60 percent of the state's landscape off-limits to hunting with guns. Local laws further restrict hunting, even with bows and arrows. The rules are similar in many states.

What this means is that in just the last few decades, and for the first time in 11,000 years, huge swaths of land in the heart of the white-tailed deer's historic range, are off-limits to its biggest predator.

The irony is that hunters are relatively safe. While guns kill 31,000 people a year, hunters kill 100, mainly each other. Deer, on the other hand, kill an estimated 250 people annually, mainly drivers, and put 30,000 more in the hospital.

People against using lethal means of population control often advocate birth control. That's

another good idea that doesn't quite yet work.

For deer, effective and affordable contraception was just around the corner 30 years ago. It still is. Put deer behind a fence, or on an island, and it will work—at a cost of several hundred dollars per doe per year. For free-ranging herds, forget it.

For Canada geese, relatively new contraceptive pellets currently cost about \$12 per goose per year. Do the math. I don't know how effective they are.

For feral cats, defenders practice a seemingly miraculous sterilization effort called TNR, for trap neuter, return. Volunteers catch cats, vets spay females and castrate males. Then the cats are returned to where they were caught to live in a "managed colony" as "community" cats. Bird groups call this re-abandonment

and say to put these non-native mid-sized predators back on the landscape to kill birds and other small creatures is unconscionable. The American Veterinary Medical Association neither endorses nor opposes TNR because, it says, with an estimated 86 million feral cats out there, all the TNR volunteer efforts amount to a drop in the bucket in an ocean of need.

Another argument against lethal control is called the vacuum effect: If you kill out animals from where they live, new ones will move into the same space. Again, true—eventually. In the case of deer, studies show it takes years for outside animals to move in. Young bears and beavers get kicked out of their home turf by parents as yearlings, so they go looking for an unoccupied habitat. The vacuum is filled, but

in the meantime—perhaps many years—your problem is resolved.

Apply the logic of the vacuum effect to garden. More people garden than do any other outdoor activity. Gardening is the most intense form of human landscape management I know. We control the garden for the outcomes we desire: producing tomatoes or petunias or whatever. To facilitate growth of what we want we remove things we don't want: weeds. Why pull weeds if new weeds are going to move in?

Weeds are plants not animals, of course.

Well, what about rats in your basement? Why trap them if new ones will eventually move in? Because we long ago demonized rats as disease-carrying vermin. It is a tragedy, in my opinion, that we have let our deer population get so out of control that we've demonized these elegant ungulates into long-legged rats. 🐭

► **Jim Sterba**, '66, grew up in rural Michigan, is a graduate and distinguished alumnus of Michigan State University, and has worked as a foreign correspondent and national reporter for the New York Times and the Wall Street Journal for more than four decades. He covered the Vietnam war, the Soviet invasion of Afghanistan and the Chinese crackdown at Tiananmen Square. *Nature Wars* is his second book. His first, *Frankie's Place: A Love Story*, is about summers on Mt. Desert Island in Maine with his wife, the author Frances FitzGerald. Both books can be ordered from his website www.jimsterba.com.

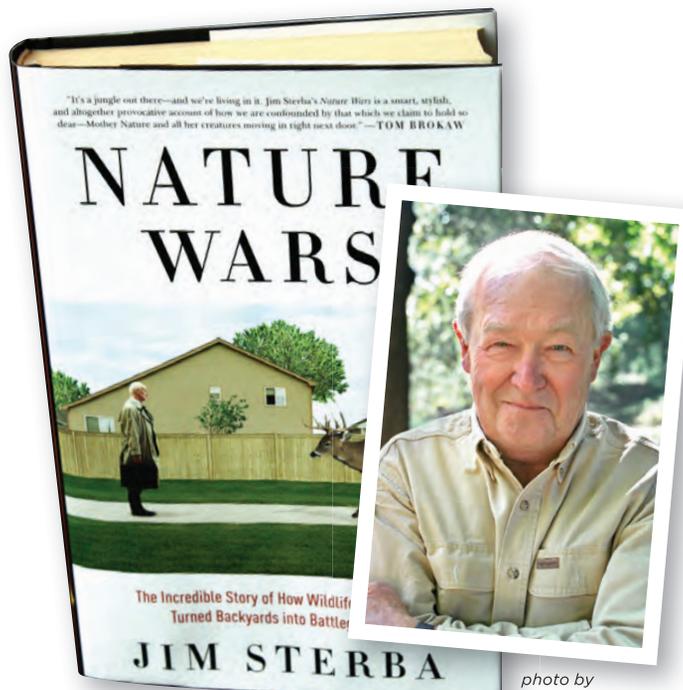


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Stroke Center saves life of MSU student, 22

At 22 years old, Trevor Thompson of Owosso never thought about having a stroke. But thanks to the quick thinking of his roommate and stroke experts from Sparrow and Michigan State University, Thompson is back in class at MSU as if nothing had ever happened.

"I began to stumble as I walked through my apartment and I was slurring my speech," Thompson said. "Stroke was the last thing on my mind, but just to be safe, one of my roommates drove me to Sparrow's Emergency Department."

Sparrow is one of America's best hospitals

for stroke treatment and, in collaboration with MSU, was recently named Michigan's only Joint Commission-certified Comprehensive Stroke Center. It has been nationally recognized for nearly a decade and was named a Gold Plus Performer by the American Stroke Association.

"I can't thank the team at Sparrow and MSU enough for saving my life," Thompson said. "I'm back to being a healthy 22-year-old working his way through school."

You can learn more about the signs and symptoms of a stroke by visiting www.sparrow.org/stroke.

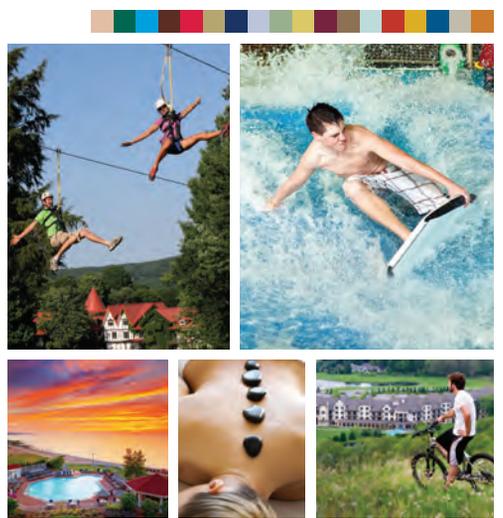


Trevor Thompson with Sparty at MSU

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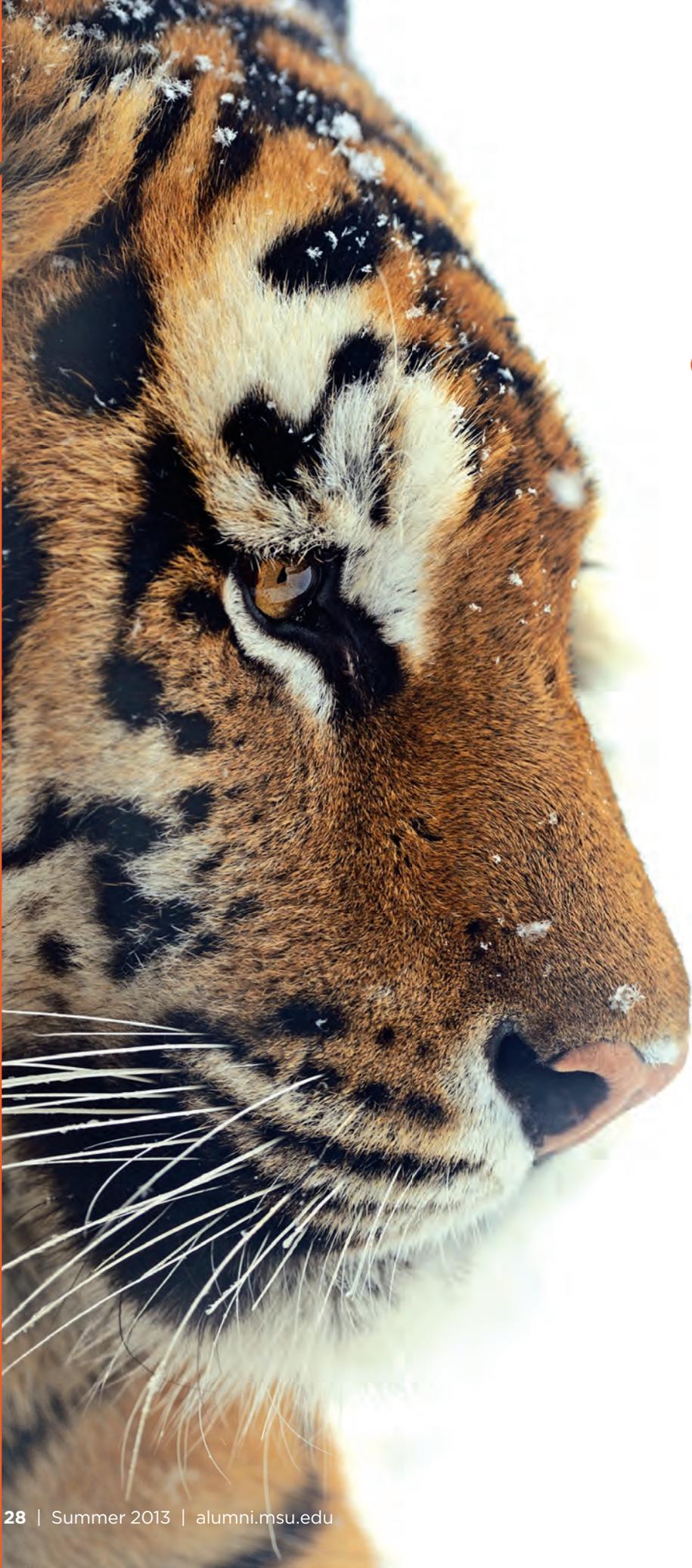


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A close-up, profile view of a tiger's head, looking towards the right. The tiger's fur is a mix of orange, black, and white, with snowflakes resting on its top and around its eyes. The background is a bright, out-of-focus white. The tiger's whiskers are long and white, extending from the bottom left of its face.

By Sue Nichols, '84

Cross-disciplinary teams of MSU researchers are gaining national and international recognition for their insights into the critical challenges between humans and animals such as pandas and tigers.



MSU Researchers Focus on Understanding

NATURE'S CONFLICTS

For the average person, the sheer complexity of how humans, animals, and plants interact in their environment is almost mind-numbing. Every element in the big picture is inextricably connected to and affected by every other element, from the molecular level to the cosmos. And every creature and plant has a role to play.

“We have to better understand nature’s interdependencies if we hope to find sustainable solutions that both benefit the environment and enable people to thrive,” says Jianguo “Jack” Liu, who holds the Rachel Carson Chair in Sustainability and is director of MSU’s Center for Systems Integration and Sustainability.

“Our new field of coupled human and natural systems offers us a more integrated way to look at the world, by bringing together

the best minds from ecology, socioeconomics, demography, and other disciplines to study ecological sustainability on a local, national and global scale.”

Take the panda, for instance.

Scientists from MSU and the Chinese Academy of Sciences have developed forecasts of how changing climate may affect the most common species of bamboo that carpets the forest floors of prime panda habitat in northwestern China. Even the most optimistic scenarios show that bamboo die-offs would effectively cause prime panda habitat to become inhospitable by the end of the 21st century.

Bamboo is a vital part of forest ecosystems, being not only the sole menu item for giant pandas, but also providing essential food and shelter for other wildlife,

including other endangered species like the ploughshare tortoise and purple-winged ground-dove. Bamboo has an unusual reproductive cycle and can be a risky crop on which to stake survival. The species studied only flower and reproduce every 30 to 35 years, which limits the plants’ ability to adapt to changing climate and can spell disaster for a food supply.

The pandas’ fate will be at the hands of not only nature, but also humans. If, as the study’s models predict, large swaths of bamboo become unavailable, human development prevents pandas from a clear, accessible path to the next meal source.

“The giant panda population also is threatened by other human disturbances,” says Mao-Ning Tuanmu, who recently finished his doctoral studies at MSU’s

Center for Systems Integration and Sustainability and is now at Yale University. “Climate change is only one challenge for the giant pandas. But on the other hand, the giant panda is a special species. People put a lot of conservation resources into them compared to other species. We want to provide data to guide that wisely.”

Then there is the less attractive, but no less troubled, Baird’s tapir.

It’s estimated that about 4,500 Baird’s tapirs still exist in the world today, most of which live in Central and South America. Their numbers have been declining steadily due to human encroachment into their environment.

In fact, until recently the tapirs were thought to be extinct in the rainforests of Nicaragua. Now that they are thriving again, the



Sue Nichols

MSU's Jack Liu and other scientists are studying how climate and human development affects bamboo growth which is critical to maintain panda habitat.

600-pound browsers are aggravating local farmers, who say the tapirs are eating their crops.

An MSU team, led by Lyman Briggs College Assistant Professor Gerald Urquhart, plans to capture a number of the animals and place GPS collars on them to monitor their movements. Urquhart is a member of CHANS-Net, the International Network of Research on Coupled Human and Natural Systems, which is coordinated by MSU's Center for Systems Integration and Sustainability and sponsored by the Dynamics of Coupled Natural and Human Systems program of the National Science Foundation.

"We'd like to figure out how and where they live and if they can co-exist with the agricultural community," Urquhart says. "Despite being considered a nuisance by the farmers, the animal plays a major role in seed dispersal—eat-

ing fruits and spreading seeds throughout the region."

But the problem of wilder wildlife, like tigers, can be the ultimate challenge.

Even the most optimistic scenarios show that bamboo die-offs would effectively cause prime panda habitat to become inhospitable by the end of the 21st century.

When you move from thinking about the "cow of the rainforest," as Nicaraguans describe Baird's tapir, to tigers in Nepal or wolves in Michigan, human tolerance becomes the central question in the balance of life.

"People have complex psychological relationships with wildlife," says Neil Carter, researcher in MSU's Center for Systems

Integration and Sustainability. "Picking apart these complex relationships is the best way to get a really good idea of what's affecting their tolerance of the animal."

Carter has conducted research in Nepal's Chitwan National Park, home to some 125 adult tigers that live close to people. And tigers, like all wild animals, have little regard for borders or fences. Likewise, the tigers' human neighbors depend on the forests for their livelihoods. Conflict is inevitable. There were 65 human deaths due to tiger attacks

from 1998 to 2006 and tigers are known to kill livestock. People sometimes kill tigers in response to these threats.

After surveying 500 people living near Chitwan about how they feel about future tiger population size and factors that may influence preferences, like past interactions with tigers as well as beliefs and perceptions about tigers, Carter developed a novel tool to help figure out where to direct conservation resources—not just in Nepal, but also for conserving carnivores that live next to people in many regions of the world.

The research is unique in that it explores peoples' attitudes about protected animals. Work has been done to understand how people feel about their wildlife neighbors, such as deer or coyotes. But the relationship with protected animals, especially those



that can be dangerous, is more complicated. Issues of fear, risk and control make for a volatile mix, as do the constraints on solutions.

“You can’t just remove all the tigers, or the grizzly bears or other carnivores that may pose a risk to people,” says Carter. “Managing animal populations in this fashion is not a viable option for protected species. It’s imperative to come up with ways that people and carnivores can get along.”

And in a way, tigers and humans are getting along. Carter found in another recent study that tigers and people are sharing exactly the same space—such as the same roads and trails—except tigers are doing it under the cover of darkness.

Carter spent two seasons setting motion-detecting camera traps for tigers, their prey, and people who walk the roads and trails of Chitwan, both in and around the park. Tigers typically move around at all times of the day and night, monitoring their territory, mating and hunting. But in the study area, Carter and his colleagues discovered that the tigers had become creatures of the night. The camera’s infrared lights document a pronounced shift toward nocturnal activity.

“It’s a very fundamental conflict over resources,” Carter notes. “Tigers need resources, people need the same resources. If we operate under the tradi-

tional wisdom that tigers only can survive with space dedicated only for them, there would always be conflict.”

And that’s why simple zoning solutions may not work.

Setting aside such dedicated spaces to keep animals and humans apart, or “zoning,” is becoming a common strategy to balance environmental protection and human needs. But another recent MSU study shows zoning for conservation demands reality checks.

“Zoning everywhere, in China and in the United States, is about drawing lines on a piece of paper,” says Vanessa Hull, a fisheries and wildlife doctoral candidate and a member of the Center for Systems Integration and Sustainability. “But the big challenge is always how do you bring those lines to life? Lines on a map don’t show up in a forest, laws mean little without enforcement, and animals can’t read zoning ordinances.”

Hull has spent years periodically living in the Wolong Nature Reserve in southwestern China to understand the delicate balance between pandas and the people who live amongst them. Pandas are picky about their habitat—needing gentle slopes, moderate elevation, and plenty of bamboo to munch. While other species that contribute to Wolong’s rich biodiversity benefit from conservation efforts, the charismatic pandas drive much of the policy there.

Wolong has been zoned into three areas: The “core” area strictly confines human activity to limit human impact on pandas. The “experimental” area thrives with homes, businesses, and roads. In between is a “buffer zone” of limited human access intended to acknowledge that it’s hard to declare a forest pristine if a hotel is right next door.

“We’re finding that you should have zoning in your toolbox to conserve habitat, but it shouldn’t be the only tool you have,” Hull says. “It needs to be paired with other policies when it comes to

human behavior. We know that it is crucial to work directly with people and provide benefits to people to preserve habitat.”

Sue Nichols, '84, assistant director of the Center for Systems Integration and Sustainability, handles strategic communication and outreach. She has 19 years of experience in science communication. Prior to joining the center in 2010, she was the marketing and communications director of the Michigan Memorial Phoenix Energy Institute at the University of Michigan and before that, she was MSU's chief science writer.



TWO KEY UNITS

MSU’s Center for Systems Integration and Sustainability (csis.msu.edu) integrates ecology with socioeconomics, demography and other disciplines for ecological sustainability from local, national to global scales. The director of the Center for Systems Integration and Sustainability, Jianguo “Jack” Liu, holds the Rachel Carson Chair in Sustainability and is University Distinguished Professor of fisheries and wildlife at Michigan State University.

CHANS-Net (chans-net.org) is the International Network of Research on Coupled Human and Natural Systems. It facilitates communication and collaboration among scholars from around the world who are interested in coupled human and natural systems (e.g., coupled human-environment systems, social-ecological systems, ecological-economic systems, population-environment systems) and who strive to find sustainable solutions that both benefit the environment and enable people to thrive.

CHANS-Net is sponsored by the Dynamics of Coupled Natural and Human Systems program of the National Science Foundation, with coordination provided by the Center for Systems Integration and Sustainability at Michigan State University.

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WILL BOWL MOMENTUM PROPEL 2013 SPARTANS?

Fans hope MSU's second straight bowl win under Dantonio will propel it to a third double-digit-wins season in four years.

By Robert Bao

Entering the 2013 season, Head Coach Mark Dantonio remains optimistic. MSU finished spring practice without major injuries while staging some offensive fireworks in the Green and White game.

Offensive fireworks could have made a difference in 2012, when MSU followed back to back 11-win seasons with a 7-6 tally and exemplified Murphy's Law by losing five conference games by just 13 points (Michigan by 2, Ohio State by 1).

MSU's offense suffered growing pains, with a new quarterback and new receivers and little stability in the offensive line. But the defense was stellar, ranking among the best units in the country, allowing just 16.3 points a game. After the Green and White game,

Dantonio said he felt better about the upcoming 2013 defense than he did a year ago of the 2012 unit, which dominated the Big Ten in most categories.

On paper, the offense returns more experience than it did a year ago. Senior Andrew Maxwell returns as quarterback, challenged by sophomore Connor Cook, who led the final drive in MSU's 17-16 win over Texas Christian University at the Buffalo Wild Wings Bowl. Both Maxwell and Cook were able to make some impressive plays in the spring game.

Sophomore Riley Bullough—brother of senior middle linebacker and Academic All-American Max Bullough—showed power and vision while auditioning for the running back position. While

not quite a Le'Veon Bell (yet), he "gives us a powerful punch," says Dantonio, who notes that power running can serve to complement Nick Hill, Jeremy Langford and Nick Tompkins. A trio of incoming freshmen might also vie for this position.

Whether Bullough stays at running back depends on whether a couple of highly touted recruits can back up Max Bullough at middle linebacker. If so, that would allow the coaches to move Riley from back-up middle linebacker to running back.

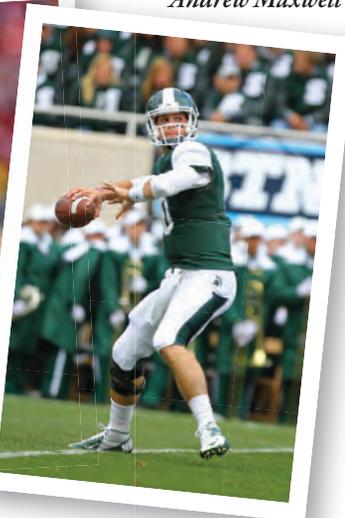
MSU boasts experience on the offensive line, but the coaches are hoping for more stability than last season, when injuries forced the unit to be reshuffled several times. Jack Allen, Skyler

Burkland, Fou Fonoti, Dan France, Travis Jackson and Blake Treadwell all boast starting experience, and some newcomers have looked promising as well. With the departure of Dion Sims, MSU needs to establish a new tight end from such candidates as Evan Jones, Paul Lang and Josiah Price.

This year's roster boasts a large number of wide receivers, including Aaron Burbridge—last year's leading receiver—Bennie Fowler, Tony Lippett and Keith Mumphery. In the spring game, several receivers, including DeAnthony Arnett and walk-on A.J. Troup, stepped up to make big plays. The group needs to curtail the "drops" that plagued them last season.



Max Bullough



Co-ordinating the offense will be Dave Warner and new coach Jim Bollman, former offensive coordinator at Ohio State and former offensive line coach at MSU under Nick Saban. Bollman will help coach the offensive line along with Mark Staten. Brad Salem, recruiting coordinator, will coach quarterbacks, while Terrence Samuels returns as wide receivers coach.

The MSU defense, coordinated by Assistant Head Coach Pat Narduzzi, returns eight starters and is expected to be stout again. Max Bullough anchors the linebackers along with Denicos Allen and Taiwan Jones. “We don’t want to be as good as last year, we want to be better,” says Bullough, echoing Dantonio’s post spring game sentiment.

Marcus Rush returns at defensive end, along with

Shilique Calhoun, Denzel Drone and Joel Heath. MSU needs to find a replacement for Will Gholston, who left early for the NFL. A number of candidates will vie for defensive tackle, including Tyler Hoover, James Kittredge, Micajah Reynolds and newcomer Lawrence Thomas, who had a stint as fullback last year. Thomas, a red-shirt sophomore, was recruited as a linebacker but has grown into lineman size.

Despite the departure of cornerback Johnny Adams, the Spartans enjoy great depth in the defensive backfield. Trae Waynes, who performed well in the bowl game in place of Adams, will team up with Darqueze Dennard at corner. Kurtis Drummond, Isaiah Lewis and R.J. Williamson are proven performers at safety, while fans await the debut of highly touted redshirt freshman Demetrious Cox.

Helping Narduzzi are assistants Harlan Barnett (defensive backs), Mike Tressell (linebackers and special teams) and newcomer Ron Burton (defensive line).

Special teams return punter and Academic All-American Mike Sadler but need to establish a kicker to replace Dan Conroy. Many fans look forward to seeing incoming freshman Michael Geiger of Ottawa Hills, OH, who was ranked as the No. 1 kicker in the nation by Rivals.com.

One factor that might add to optimism is the schedule, which does not include Ohio State and Wisconsin, two normally tough opponents. Fans were also pleased at the Green and White game to see Sparty running for a first down and, more importantly, Dantonio overturning a referee’s call. “It was nice,” admits Dantonio. It was nice to conclude spring practice with the image of a Cheshire cat grin. 🍀

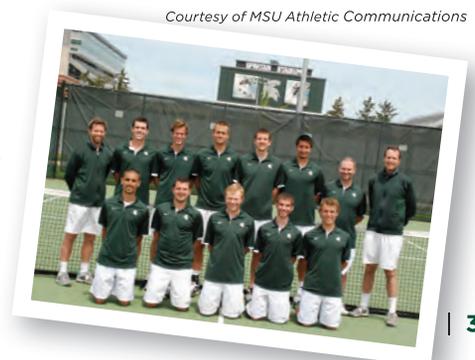


THE HOUSE OF PAYNE—With forward Adreian Payne returning for his senior season and foregoing a possible first-round pick by the NBA, most preseason rankings have MSU in the national Top Five for 2013-14. “We have a chance to have a great season with championship goals,” says Payne, who stayed along with teammates Keith Appling, Brendan Dawson and Gary Harris. “There’s no doubt in my mind that Adreian is not just returning to play at Michigan State, but for Michigan State,” says Tom Izzo, who also lauds Payne’s community work with young children. “He did everything for the right reasons, not individual publicity.” Meanwhile, two promising prospects will join MSU next season—Gavin Schilling, a 6-9, 240 forward who averaged 13.9 points, 9 rebounds and 2.1 blocks at Findlay Prep, Henderson, NV, and Alvin Ellis III, a 6-4 guard who averaged 20 points, 6 rebounds and 4 assists for Chicago De La Salle High School.

TENNIS CENTENNIAL—In the 100th year of MSU tennis, the Spartans earned the program’s first-ever bid to the NCAA Tournament. MSU played its first round in May in Waco, TX. “It means a lot, it’s a big year for us,” says head coach Gene Orlando (right in photo). “To clinch our first ever NCAA berth on the 100th anniversary is really special.” MSU ended the season winning seven of 10 matches, seven of them against ranked opponents—including No. 16 Vanderbilt and No. 17

South Carolina—and boasting a 6-5 Big Ten conference record and a 14-13 mark overall.

Courtesy of MSU Athletic Communications





Wisconsin. Beginning in 2016, each team will play three schools from the other division for a total of nine conference games. East teams will host five home games in even-numbered years, while West teams will do so in odd-numbered years. The conference says the changes were unanimously recommended by conference directors of athletics and supported by the Big Ten Council of Presidents/Chancellors.

WOMEN'S GOLF EXCELS—MSU women's golf made its 15th straight NCAA appearance while senior Caroline Powers was named the Big Ten Women's Golfer of the Year. In addition, juniors Allyssa Ferrell and Christine Meier garnered second-team All-Big Ten accolades. Powers averaged 73.64 and notched five top five finishes in MSU's nine tournaments this season. She was runner-up at the Big Ten Championships. A native of Bowling Green, OH, Powers is ranked No. 23 in the nation by *Golfweek*. Says head coach Stacy Slobodnik-Stoll, "Once again we've established ourselves as one of the best teams in the country, year in and year out, and that's very exciting."

FOOTBALL RE-ALIGNMENT—Last spring the Big Ten Conference announced that beginning in 2016, football will have a new divisional alignment. MSU will be in the East Division, along with Indiana, Maryland, Michigan, Ohio State, Penn State and Rutgers. The West Division will consist of Illinois, Iowa, Minnesota, Nebraska, Northwestern, Purdue and

THE ICEMEN COMETH—Six new icers will join MSU this fall—forwards Joe Cox (Chelsea), Thomas Ebbing (Troy), William Haag (Gothenburg, Sweden), Mackenzie MacEachern (Troy) and JT Stenglein (Greece, NY), and defenseman Chris Knudson (North Barrington, IL) will be suiting up in green and white. "They possess a nice blend of scoring ability, size, speed, toughness and tenacity that will help us continue our evolution into a championship-caliber team," says Head Coach Tom Anastos. Five of the six played in the U.S. Hockey League, while Knudson is a veteran of the North American Hockey League.

Courtesy MSU Athletic Communications



ALL-BIG TEN HONORS—Senior softball center fielder Kylene Hopkins earned First-Team All-Big Ten for the second straight year, while senior third baseman Jayme O'Bryant earned a spot on the second team. Hopkins,

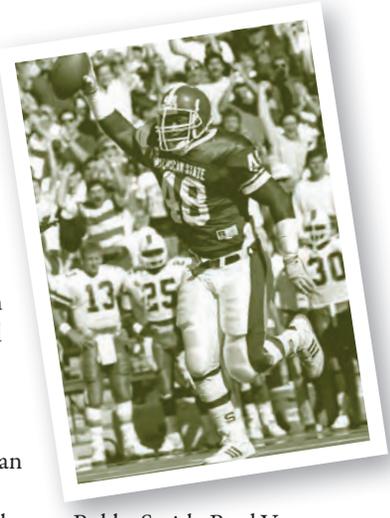
of Menifee, CA, led MSU with a .401 batting average and 31 runs. She is the first Spartan to earn First-Team honors in consecutive seasons since Keri Lemasters (1994-96). "Kylene and Jayme

were both incredibly deserving of the recognition by the Big Ten this season," says MSU head coach Jacquie Joseph. In addition, sophomore Ellie Stoffer won the Big Ten Sportsmanship Award.

Courtesy MSU Athletic Communications

SNOW IN HALL OF FAME—

Percy Snow, two-time All-American linebacker, has made the College Football Hall of Fame (CFHF). A dominant force in the middle of George Perles' stunt 4-3 defense, Snow was MVP of the 1988 Rose Bowl. In 1990 he became the first college player to win both the Butkus and Lombardi awards in the same year. He is the 11th Spartan to make the National Football Foundation's CFHF. Snow was a first-round pick of the Kansas City Chiefs, No. 13 overall, in the 1990 draft. On Nov. 2 his name will be added to Spartan Stadium's Ring of Fame, joining John Pingel, Don Coleman, George Webster, Bubba Smith, Brad Van Pelt, Gene Washington, Biggie Munn, Duffy Daugherty and John Hannah.





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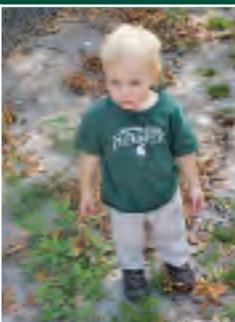
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ALMA MATTERS

REGIONAL CLUBS

DC SPARTANS—Jan. 19: About 15 area Spartans teamed up with Greater DC Cares for the 2013 MLK Weekend of Service. Spartans painted lines in the hallways, organized the library, and created college pennants at Plummer Elementary School, Washington, DC. ▼



GREATER NEW YORK—Dec. 10: More than 100 area Spartans gathered at JP Morgan Chase on Madison Avenue, New York City, for a reception and conversation with President Lou Anna K. Simon (front, middle) and Vice President of Research and Graduate Studies Dr. Stephen Hsu (front, left). ▼



▲ **KALAMAZOO**—Mar. 3: More than 80 area Spartans attended the Kalamazoo Spartans Men's Basketball Watch Party and Silent Auction at Old Burdick's Wings West to watch the MSU vs. U of M basketball game. The event raised \$800 for the club's Scholarship Endowment Fund. Feb. 16: More than 20 area Spartans attended the KZOO Spartans Euchre Tournament and Men's Basketball & Ice Hockey Watch Party. The event raised \$270 for Communities In Schools, Kalamazoo. Feb. 2: More than 30 area Spartans gathered for the

KZOO Spartans Indoor Bags Tournament & Ice Hockey Watch Party at Old Burdick's Wings West to watch the MSU vs. U of M game. The event raised \$200 for KZOO Spartans Scholarship Endowment Fund. Jan. 22: More than 30 area Spartans attended the KZOO Spartans Bell's Beer Tasting & Men's Basketball Watch Party to watch MSU vs. Wisconsin.

Dean; 2013 MSU Alumni Club of Mid-Michigan Quality in Undergraduate Teaching Awardees Carl Liedholm and Aklilu Zeleke; Acting Provost and Executive Vice President for Academic Affairs June Pierce Youatt; and Associate Vice President and MSUAA Executive Director Scott Westerman. The event raised \$18,000.



▲ **MSU COASTAL, GA**—Mar. 15: About 25 area Spartans in Savannah, GA, raised \$500 for Cancer Research through alumni gatherings and fundraisers. Feb. 1: Beginning in February, Atlanta and Savannah area alumni are reaching out to Spartans to support the MSU License Plate for Georgia residents program (see photo of a sample plate). They need to raise \$25,000 for Georgia to issue official MSU License Plates. ▼

▲ **MID-MICHIGAN**—Jan. 26: Over 100 area Spartans gathered at MSU's Wharton Center for the Spartan Crystal Ball, an annual gala fundraiser for the club's endowed scholarships program. Katie Kelly (left) and Rhonda Abood co-chaired the event. Special guests included Emcee Charles Ballard; 2013 Spartan Hero Awardee Kellie





ROCKY MOUNTAIN, CO—Mar. 8: Over 260 area Spartans ▲ attended a classical music piano recital at Broomfield Auditorium by faculty member Minsoo Sohn (middle of photo). Special guests included Music Dean Jim Forger (fourth from left).

THE VILLAGES, FL—Feb. 18: More than 30 area Spartans gathered for Spartans on the Square, a monthly social gathering and dance at Lake Sumter Landing Market Square. ▼



WEST MICHIGAN—Feb. 28: About 150 area Spartans attended the 18th annual ▼



Means Business at the Secchia Center in downtown Grand Rapids. Special guests included (l to r) John Shinsky, MSU Trustee Mitch Lyons, Joan Secchia, Honoree Kellie Dean, and Ambassador Peter Secchia. Feb. 7: About 800 area Spartans attended the 2013 Spartan Winter Tailgate at the DeVos Place in Grand Rapids. Special guests included Kirk Cousins (see photo), MSU Football Coach Mark Dantonio, and MSU Athletics Director Mark Hollis. The event raised \$100,000 for Grand Rapids Public Schools and the Mitch Lyons Tight End Scholarship Endowment.



CONSTITUENT ASSOCIATIONS

ENGINEERING—Feb. 12: Philip Fioravante, '84, poses with Dean Satish Udpa—now MSU Executive Vice President—at the Engineering Alumni Breakfast with the Dean at the Detroit Athletic Club. Fioravante, member of the Engineering Alumni Association Board of Directors, served as event host.

HOSPITALITY BUSINESS

—Feb. 9: About 300 Spartans gathered for the 22nd ▶ annual Destination Auction at MSU's Kellogg Center to raise funds for the Junior League of Lansing and MSU Federal Credit Union Institute for Arts and Creativity at the Wharton Center. The event raised more than \$101,000.



OSTEOPATHIC MEDICINE—Mar. 2: About 115 alumni attended the annual Healthy Lifestyle and Preventative Care course at Riu Palace in Guanacaste, Costa Rica. Special guests included Andrea Amalfitano, Lisa DeStefano, John Goudreau, Anthony Ognjan, Christopher Pohlod, John Sauchak, William Strampel and Jayne Ward.

INTERNATIONAL CLUBS



▲ **THAILAND**—Mar. 8: About 80 area Spartans gathered for an alumni reunion and ENGAGE leadership conference for club leaders and interested volunteers at the Imperial Mae Ping Hotel in Chiang Mai, Thailand. Special guests included Director of Sasin Institute for Global Affairs Suvit Maesincee, MSU Vice President for Global Engagement Emeritus John Hudzik and MSUAA Executive Director Scott Westerman.





ALUMNI INTEREST GROUP

MSU BAND—Mar. 7: About 158 alumni attended eleven events

▲ for three MSU teams in four venues over a three-week period including the Great Lakes Invitational at Joe Louis Arena, MSU Men's Basketball, MSU Hockey and MSU Women's Basketball at home venues. The MSU band alumni members performed while the MSU student bands were on winter and spring breaks.



MPLP FUNDRAISER—MSU President Lou Anna K. Simon (front) and Trustee Mitch Lyons (middle, back row) posed with keynote speakers Robert Gibbs and Karen Hughes at the two gala fundraisers in Livonia and Grand Rapids for the Michigan Political Leadership Program. Nearly 1,000 attended each event and heard from the political strategists. The MPLP program is sponsored by the Institute for Public Policy and Social Research in MSU's College of Social Science. ▼



SPIRIT OF HOPE—Nov. 15, 2012: Ross Roeder (left), '60, of St. Petersburg, FL, proudly wears his Spirit of Hope Award at the Pentagon, Arlington, VA, alongside Coast Guard

Petty Officer 2nd Class Patrick Kelley.



Commandant Adm. Bob Papp. The Spirit of Hope Award is given annually by the five Armed Services and the Office of the Secretary of Defense to recognize the outstanding service of men and women whose patriotism and service reflects the character of Bob Hope.

CENTENARY CELEBRATION—Apr. 3: Lonnie King (standing), former dean of MSU's College of

Courtesy of Regina Cross



▲ **CUBA LIBRE**—This past spring, over two dozen Spartans stopped at the hillside community of Las Terrazas, Cuba, to plant a tree on behalf of MSU. The travelers were participating in an MSUAA international tour, visiting a country that had previously been forbidden to American travelers. For more travel opportunities via the MSUAA's Spartan Pathways program, visit alumni.msu.edu.

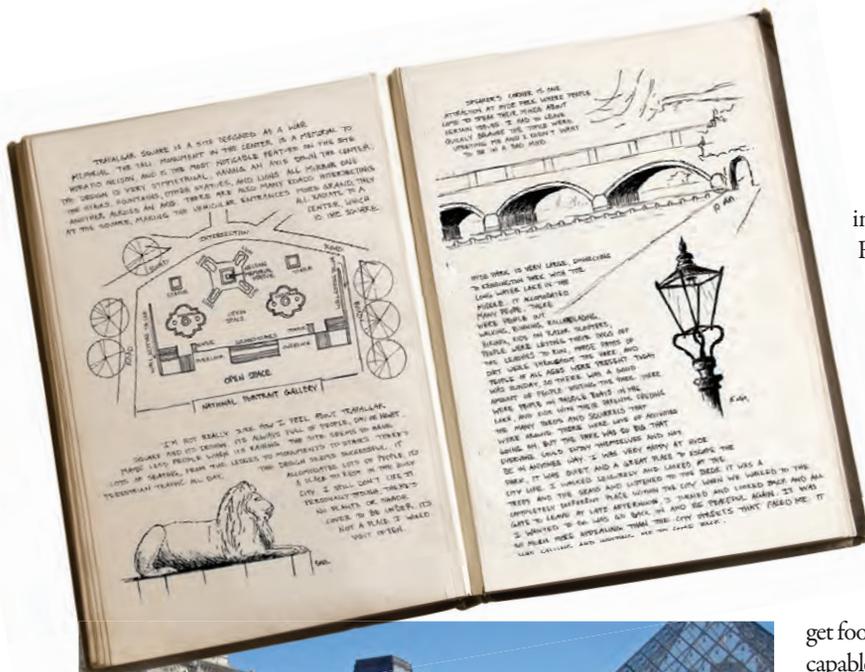


▲ **COMMENCEMENT SPEAKERS**—May 3: Pulitzer Prize-winning Author Richard Ford, seen here with Tom Izzo, and Emmy Award-winning actor Tim Busfield were chosen as the 2013 MSU commencement speakers in May. Busfield, a native of East Lansing, is a professional actor who starred in 20 films and was a regular on TV's *Thirtysomething* and *The West Wing*. Ford, '66, has written 10 highly acclaimed novels and many published stories and essays. A member of the American Academy of Arts and Letters, he is the Mellon Professor in the Humanities at Columbia University, New York City. Ford and Busfield received honorary doctorates, as did international researcher Brian Harvey, professor at Ireland's Royal College of Surgeons. ▼

Veterinary Medicine, was one of many who celebrated the 100th birthday of James Steele, '41, at the University of Texas School of Public Health. Steele, known as "the father of veterinary public health," established the veterinary division of what would become the Centers for Disease Control and Prevention in Atlanta, GA. He led in the extermination of rabies from the country. Steele became the nation's first Assistant Surgeon General for Veterinary Affairs and later rose to Deputy Assistant Secretary for Health & Human Services at the rank of Admiral. Among many awards, Steele has received the Surgeon General's Medallion and MSU's Distinguished Alumni Award.

Gary Wilson





SOMETIMES THE DESTINATION IS A NEW WAY OF SEEING THINGS

MSU's landscape architecture students gain cultural insight and design inspiration through study abroad and a special endowment.

By Lois Furry

Nearly all of the landscape architecture students at MSU participate in study abroad, thanks to the foresight of dedicated faculty and the generosity of donors who wanted others to see the world.

That's the legacy of John Chipman ('53, Agriculture and Natural Resources), who died in 2011, and his wife, Patricia "Patti"

Chipman, who created an endowment that provides significant scholarship support to enable landscape architecture students to participate in study abroad, says Professor Warren Rauhe, director of MSU's Landscape Architecture Program from 1995 to 2005.

Caring about others came naturally to John and Patti. After starting Chipman Landscaping in Kalamazoo, MI, they developed a line of fiberglass planters and benches as a way to provide year-round employment for their landscape staff.

Their idea grew to become Landscape Forms, the leading designer and manufacturer of furniture for outdoor environments in North America.

"The products Landscape Forms produces are the absolute best

in design and quality," says Rauhe. "They have no peer."

The success of the company was also due in large part to John's leadership style that was ahead of its time in being open book and inclusive of all employees.

"Everybody there was part of the family," Rauhe recalls. "If people looked hungry he'd go

get food. He was humble but very capable and always prepared for any opportunity that came along. How many people do you know that have an Audi TT with a trailer hitch?"

Giving back to MSU was long a high priority for John and Patti. They first started an MSU scholarship endowment in 1986. The Chipmans refined the scope in 2000, amending the endowment to create the John and Patricia Chipman Endowed International Enrichment Program in Landscape Architecture, specifically to support students in study abroad.

"John always felt his travels abroad were a huge source of inspiration," says Rauhe. "He and Patti wanted everyone to have this experience."

The Chipmans committed additional support to their endowment through a bequest, which, when realized, will put the Chipman endowment well over \$3 million. Patti's current gifts support the program on an annual basis and add even more to the endowment. This support makes the program a reality now. Coupled with the success of MSU's Common Investment Fund, which consistently exceeds rates of return in comparison to peer institutions, the endowment has grown and will continue to increase, becoming a significant source of support that will enable students to participate in study abroad in perpetuity.

Rob Dalton ('11, Agriculture and Natural Resources) says that his study abroad experience—which included three weeks in London, and one week each in the cities of Edinburgh, Paris, Barcelona, Rome and Berlin—drastically changed his perspective.

"Europeans tend to put more money into well-designed places than we do as Americans. We accept mediocrity because we think it is all we can afford," he says. "Their parks are not leftover spaces, but integral parts of their walking commutes and social atmosphere."

Employers look for students with cultural sensitivity and international travel experience, notes Scott Witter, professor and director of MSU's Landscape Architecture Study Abroad Program.

Bob Ford ('75, ANR), principal of Landscape Architects & Planners, Inc. and president of the MSU Landscape Architecture Alumni and Advisory Board, sees firsthand the long-term impacts the study abroad program has for the MSU graduates his company hires.

"It opened their eyes and better prepares them to meet the global challenges facing the world today," he says.

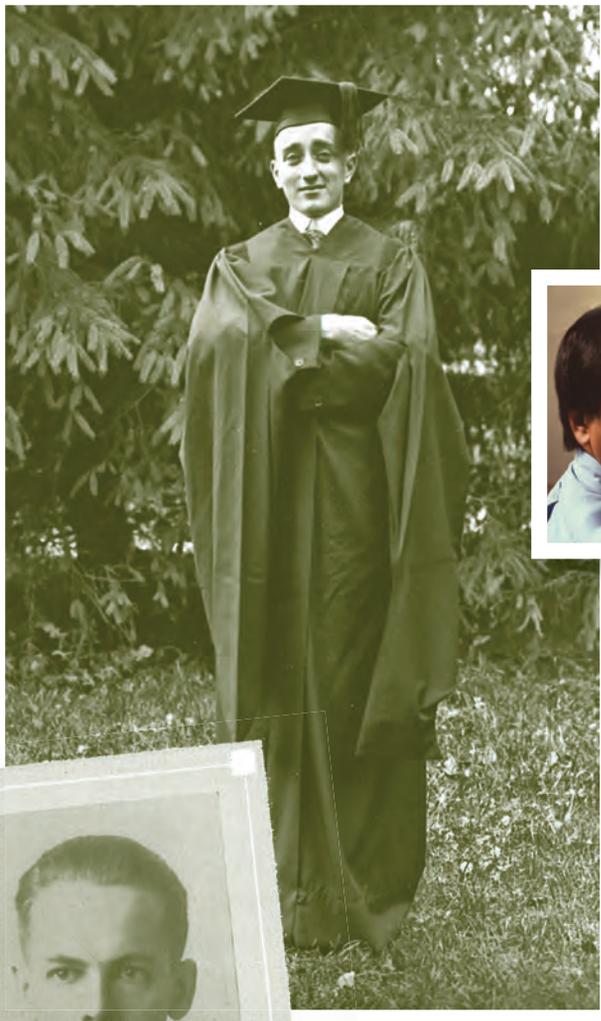
Michigan State has led the nation in study abroad participation among public universities for the last six years. Each year, close to 3,000 students participate in more than 275 programs taking place in some 60 countries around the world.

Thanks to John and Patti Chipman there will always be a cadre of landscape architecture students among them.

For more information on making a gift to the College of Agriculture and Natural Resources, contact Senior Director of Development Jody Ackerman at jackerma@anr.msu.edu or call (517) 355-0284.

THE MSU SONGS: SMASHING RIGHT THROUGH THE MYTHS

By Robert Bao, Editor



Does hearing the MSU Fight Song send chills down your spine? How about MSU Shadows?

Yes, me too.

Over the decades, some urban legends have arisen regarding their origin and it might be an opportune time to debunk them.

Thanks to John Madden, director of the Spartan Marching Band, and MSU archivists, we can now smash right through some of these myths.

The MSU Fight Song is credited to Michigan Agricultural College engineering students Francis Irving Lankey, '16, and his roommate Arthur L. Sayles, '15. Sometime between 1914 and 1916, Lankey, an avid pianist, composed the music and Sayles wrote most of the words. Lankey was MAC's "Yellmaster," or head

cheerleader. In 1919 Lankey's girl friend, Claudice Mary Kober, had the song copyrighted and MAC adopted it as the official MAC fight song.

Lankey and Sayles were inspired to write the song after MAC's back to back upsets of Big Ten football powerhouses Michigan and Wisconsin in 1913. By the way, after beating Michigan, the MAC marching band played on for hours in Ann Arbor. Since MAC did not have a fight song, what do you suppose they played? The answer is Hail to the Victors.

One myth is that the MSU Fight Song was lifted from an old hymn, Stand Up, Stand Up For Jesus (words by George Duffield & music by Adam Geibel). This theory was advanced by former MSU chemistry professor William McHarris, who supplied the score from a 1938 Cokesbury Worship Hymnal.



Arthur L. Sayles
"Dad"
North Adams
Civil Engineering
Olympic

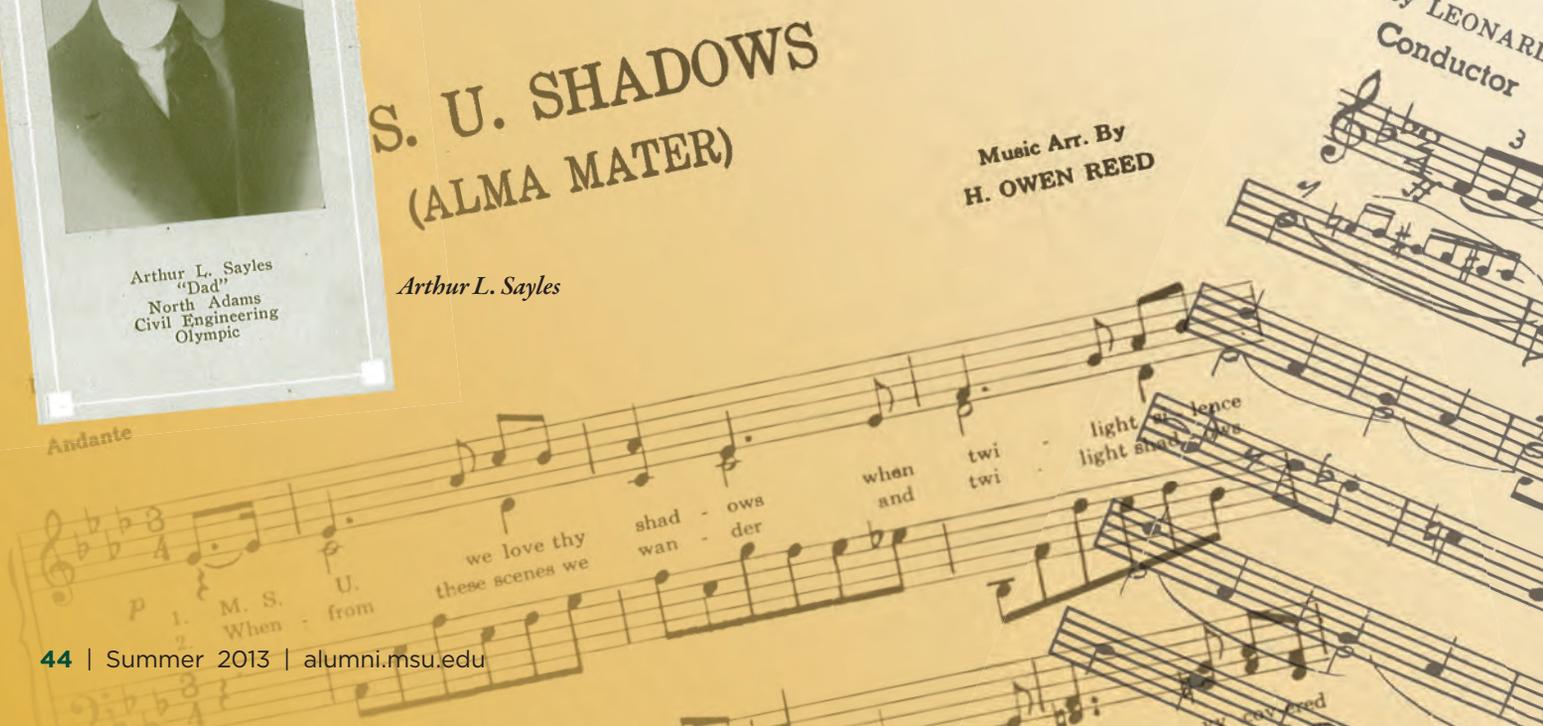
Francis Irving Lankey

S. U. SHADOWS
(ALMA MATER)

Arthur L. Sayles

Music Arr. By
H. OWEN REED

Arr. by LEONARD
Conductor



“The accompaniment of the hymn tune reveals some chromatic usage similar to the melody of our tune,” notes Madden, who has closely inspected the score. “But, there is no way that our fight song is related to this tune.”

It’s important to mention that what we know as the MSU Fight Song bears a far greater imprint from Leonard Falcone, who arranged the current marching band and concert band renditions, and to his assistant Bill Moffit, who arranged a shorter, more fanfare like version that starts with the march’s break strain. Moffit called this arrangement “Pre-Game Fight.”

“Lankey composed melody and chords,” explains Madden. “What we are familiar with today are really the more complex arrangements by Falcone and Moffit.”

In 1919, the melody and chords that Lankey jotted down caught the fancy of J.S. Taylor, then director of the MAC Military Band. He loved the song and orchestrated it for the band. In the fall of 1920, Taylor played his arrangement of the fight song at all home football games.

For the record, Lankey never lived to enjoy his composition. He enlisted in the military and died in a training plane crash on May 1, 1919. There is a plaque on a rock by Spartan Stadium honoring Lankey and fellow MAC students who died while serving their country during World War I.

According to MSU archivists, Kober sold out all the sheet music in less than a year. “Supposedly football players helped sell out the sheet music,” says Madden. “This is a story I enjoyed telling during Band Day.” By the way, Kober donated the rights to the song and future proceeds to the Union Memorial Building Fund.

Some of the fight song’s original words have been modernized. For example, after 1925 “Aggie teams are never beaten” became “Spartan teams are never beaten.” After university status was achieved in 1955 “Smash right through that line of blue” was replaced by “Go right thru for MSU.” Also, “its specialty is farming” has been replaced by “its specialty is winning.”

Years ago, when I worked closely with the MSU hockey team, the icers would sing, “And those Spartans play good hockey (instead of ball).” It would not surprise me if

other varsity teams might make similar substitutions.

MSU Shadows is of more recent vintage—adopted officially as our alma mater in 1949—but its history is also clouded by some myths.

The song was composed in 1927 by Bernard Traynor, who was Michigan State College’s football line coach from 1925-27. He also served as coach of MSC’s freshman basketball team. Traynor went on to become an attorney in Chicago. He composed the melody and wrote the words, but once again, Falcone did the song’s arrangement as played by today’s Spartan Marching Band.

One controversy comes from a claim that is repeated by many websites that the music was borrowed from composer Gaetano Donizetti’s opera Lucia di Lammermoor—more specifically, the opera’s Sextet.

Here again, Madden demurs. “This is supposed to be Shadows?” says Madden after listening to several renditions of the Sextet. “No way. Maybe two measures, that’s it. You might say the ending phrase is reminiscent of the end of When Irish Eyes Are Smiling, for just a few beats, but no one would say it was borrowed from it.”

In the 1950s there was a slew of

correspondence between MSU and various music companies dealing with copyright issues involving the song. With MSU’s emergence as a football power and its appearances in Rose Bowls, MSU songs would gain national exposure, so the copyright issues emerged. All kinds of claims and counterclaims were thrown around—including a dubious claim from out of the blue that a Lucille Morris was co-composer of the song. Through it all, what emerges is Traynor’s insistence that he alone wrote both the music and the lyrics of Shadows.

“As far as I can tell, Lucille Morris is the figment of someone’s imagination,” says Madden.

Before MSU Shadows became our official alma mater, MAC had adopted Close Beside the Winding Cedar in 1907. The music was taken from Far Above Cayuga’s Waters, Cornell’s alma mater (since 1870). Wikipedia reports that Cornell used the tune of “Annie Lisle,” a popular 1857 ballad by H. S. Thompson that was also used by many other schools.

MSU students yearned for something original and many of them loved Traynor’s song. In March 1949, the MSC faculty, State Board of Agriculture and Student Council ratified Shadows as the official alma mater after a student vote. MSU archivists report that Shadows won with 6,087 votes, edging Close Beside the Winding Cedar, which finished second with 2,070.

Shadows continues to be our alma mater today. As with the fight song, some words have been changed over the years, and I suspect it will continue to evolve with time.

As for me, I wish we could go back in time and revive the original “smash right through” imagery. 🍀

Bill Moffit and Leonard Falcone



MSU ALUMNI ASSOCIAT



**As your Personal Network...for Life,
the MSU Alumni Association offers a variety of
opportunities to connect you with other Spartans.**

JULY 2013

July 9 -17

College of Arts and Letters:
Arts & Culture in Germany
Spartan Pathways Tour
alumni.msu.edu/travel

July 15-23

Prague: An Insider's
Perspective
Spartan Pathways Tour
alumni.msu.edu/travel

July 22-August 4

Euro Spree:
A Two-week Extensive
Tour of Europe
Spartan Pathways Tour
alumni.msu.edu/travel

AUGUST 2013

August 14-27

British Isles &
Norwegian Fjords
Spartan Pathways Tour
alumni.msu.edu/travel

August 24- September 7

Sold Out
Odyssey to Oxford
Spartan Pathways Tour
alumni.msu.edu/travel

August 30

MSU vs. Western
Michigan Tailgate
Corner of Red Cedar
and Shaw Ln.
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

SEPTEMBER 2013

September 5-16

Historic Reflections
Spartan Pathways Tour
alumni.msu.edu/travel

September 7

MSU vs. South Florida
Tailgate
Corner of Red Cedar
and Shaw Ln.
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

September 14

MSU vs. Youngstown State
Tailgate
Corner of Red Cedar
and Shaw Ln.
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

September 21

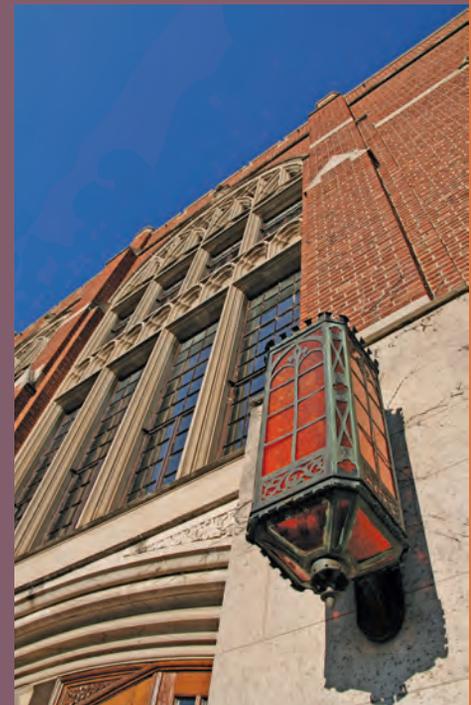
MSU at Notre Dame
Tailgate
South Bend, IN
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

September 24- October 6

Canada & New England
Fall Foliage
Spartan Pathways Tour
alumni.msu.edu/travel

September 29- October 11

Expedition to Borneo
Spartan Pathways Tour
alumni.msu.edu/travel



ATION EVENT CALENDAR

Contact us at 877-MSU-ALUM for more information on our upcoming programs.

MICHIGAN STATE
UNIVERSITY

Alumni Association

OCTOBER 2013

October 1-11

Villages & Vineyards of Italy
Spartan Pathways Tour
alumni.msu.edu/travel

October 1-14

Classic China & the
Yangtze River
Spartan Pathways Tour
alumni.msu.edu/travel

October 7-18

Cradle of History
Spartan Pathways Tour
alumni.msu.edu/travel

October 7-12

Homecoming Week
homecoming.msu.edu

October 10

Grand Awards Gala
Kellogg Center
homecoming.msu.edu

October 11

Homecoming Parade
Downtown East Lansing
homecoming.msu.edu

October 12

Green and White Brunch
Kellogg Center
homecoming.msu.edu

October 12

MSU vs. Indiana Tailgate
Corner of Red Cedar
and Shaw Ln.
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

October 12

Homecoming
Football Game
MSU vs. Indiana
Spartan Stadium
homecoming.msu.edu

October 18-29

Mediterranean Inspiration
Spartan Pathways Tour
alumni.msu.edu/travel

October 19

MSU vs. Purdue Tailgate
Corner of Red Cedar
and Shaw Ln.
[alumni.msu.edu/
SpartanCentral](http://alumni.msu.edu/SpartanCentral)

October 22-November 5

Treasures of Southern Africa
Spartan Pathways Tour
alumni.msu.edu/travel

NOVEMBER 2013

November 2

MSU vs. Michigan Tailgate
Corner of Red Cedar and Shaw Ln.
alumni.msu.edu/SpartanCentral

November 4-11 - Sold Out

Cuba - The People, Art and Culture
Spartan Pathways Tour
alumni.msu.edu/travel

November 16

MSU at Nebraska Tailgate
Lincoln, NE
alumni.msu.edu/SpartanCentral

November 23

MSU at Northwestern Tailgate
Evanston, IL
alumni.msu.edu/SpartanCentral

November 30

MSU vs. Minnesota Tailgate
Corner of Red Cedar and Shaw Ln.
alumni.msu.edu/SpartanCentral





STATE'S STARS

Paula Manderfield, '79, recently retired Ingham County Circuit Court Judge, has joined Fraser Trebilcock, Lansing, as a shareholder. Manderfield served as a 30th Circuit Court Judge in Ingham County, in both the General Trial Division and in Family Division. Previously, she served two terms as 54-A District Court Judge for the City of Lansing, where she served as Chief Judge for two years. Manderfield has served on the Executive Committee of the Michigan Judges Association and has chaired the Judicial Response Committee. She is a member of MSU's Presidents Club.



Dan Behm, '83, founder and president of Open Systems Technologies since 1997, has been awarded the Ernst & Young Entrepreneur of the Year Award (for technology) for Michigan and Northern Ohio. Behm began his career at IBM where he held positions as a senior buyer, manufacturing engineer, systems engineer, and advisory sales executive. He then joined G/S Leasing Inc., where he was part of the leasing team for five years before birthing two technology companies. He was named to the Board of Directors of the Metro Health Foundation in 2011 for his second three year term.



Erika Fatura, BS '02, MA '06, a science teacher for Pentwater Public Schools, has been named the 2013 Michigan Science Teacher of the Year through the Board of the Michigan Science



Teachers Association. Fatura currently teaches middle and high school science at Pentwater Public Schools. Her courses include earth science, biology, physical science, chemistry, forensic science, anatomy/physiology and advanced chemistry.

Bassem Ramadan, MS '86, PhD '92, mechanical engineering professor at Kettering University, has been named a 2013 Fellow of the American Society of Mechanical Engineering (ASME). Ramadan was named for his work with the thermal aspects of internal combustion engines applied to gasoline and diesel engines. He began at Kettering in 1998, and teaches several graduate and undergraduate-level mechanical engineering courses. Among many awards, Ramadan has received the 2008 Kettering University Outstanding Teaching Award and the 2005 Outstanding Applied Researcher Award.



Kate Pew Wolters, MSW '82, HND '07, member of Steelcase Inc.'s board of directors and chair of the Steelcase Foundation, Grand Rapids, has been named to the Grand Valley State University board of trustees by Gov. Rick Snyder. Wolters is president of the Kate and Richard Wolters Foundation. She served eight years as vice chair of the National Council on Disability and continues to serve on the Michigan Protection and Advocacy Service and Grand Rapids Symphony boards of directors. Wolters is a member of the Frank S. Kedzie Society and an MSUAA Life Member.



Erin Howard, BS '04, DVM '09, associate veterinarian at Apple Grove Veterinary Care, Charlotte, has been named to the board of the Michigan Veterinary Medical Association. During her DVM program, Howard aided in development of the Food Systems Fellowship Program which is designed to aid veterinary students in gaining exposure to non-clinical related production medicine industries. Her focus has included production animal medicine, companion animal internal medicine and equine medicine.



Richard Bayliss, '85, general manager/chief operating officer of Lost Tree Club, North Palm Beach, FL, was elected president of the Club Managers Association of America (CMAA). Bayliss previously managed Oakland Hills Country Club in Bloomfield Hills, Kent Country Club in Grand Rapids and Travis Pointe Country Club in Ann Arbor. He was named Club Executive of the Year by *Club Management* magazine in 2001. Bayliss joined CMAA in 1985 and has served on many national committees, including as a co-chair of the Certification Committee.



Kelly Juday, '90, education manager for the Great Lakes Safety Training Center (GLSTC), Midland, has been promoted to executive director. Juday has over 10 years of experience in education and marketing, five of which have been with GLSTC specializing



in safety education. She also held positions as administrative supervisor and in customer service, and is a Certified Occupational Safety Specialist. Juday is an MSUAA Life Member.

Stephen Howard, '71, chairman of Beaumont Health System's board of directors, has been named Trustee of the Year by *Modern Healthcare* magazine. Howard has served the Beaumont organization for 18 years. He chaired five board committees, served as a member of nine others and also served on the Beaumont Foundation board. In addition, Howard built and sold five manufacturing companies as founder, president and CEO of the Spearhead group. He was president/CEO of Flow Robotic Systems, Wixom, and provides global consulting services to other manufacturing companies and boards of directors through the Spearhead Group, Franklin. Howard is a member of MSU's Beaumont Tower Society.



Sara Grivetti, MA '06, CEO of Disability Network/Michigan, has been named to the Michigan Statewide Independent Living Council by Gov. Rick Snyder. Grivetti has worked in a variety of public and private sector settings including Amigo Mobility International, Michigan Rehabilitation Services and Disability Network of Mid-Michigan. Her public policy work has focused on health care, disability and transportation issues. Grivetti is a graduate of the Great Lakes Bay Regional Leadership Institute.



Cathy Watkins, '70, former



revenue officer for the Internal Revenue Service, has been elected treasurer of the American Angus Association, St. Joseph, MO.

Watkins and her husband raise Angus cattle at Beaver Ridge farm in east central Indiana, as well as work with Schaff Angus Valley in St. Anthony, ND. During her time at MSU, she was a member of the meat judging team and the livestock judging team. In addition, she was secretary for the Indiana Angus Association for 10 years.

Scott Boerma, DMA



'10, Associate Director of Bands, director of the Michigan Marching Band, and the Donald

R. Shepherd Associate Professor of Conducting at the University of Michigan, has been named Western Michigan University's director of bands beginning fall 2013. Boerma was previously the director of bands at Eastern Michigan University, and began his career teaching music in the Michigan public schools at Lamphere and Novi High Schools. Boerma's works have been heard in venues such as Carnegie Hall, Hill Auditorium and the Myerson Symphony Center.

Jane Dickie, MA '70, PhD



'73, professor emerita of psychology at Hope College, Holland, was one of 18 women

from West Michigan being honored as "Michigan Makers—Women Who Inspire." Dickie serves as vice president of the board of the Center for Women in Transition, as vice president of

the consistory of Hope Church and as a member of the board of Room for All. She established and served as the first director of the college's women's studies program. Dickie has received many honors including the Hope Outstanding Professor Educator Award.

Justin Klamerus, MD '03,



medical oncologist, has been selected to guide McLaren Cancer Institute, Flint, as its interim president

and medical director. Klamerus previously served as director of cancer services for McLaren Northern Michigan, Petoskey, and as medical director for the Oncology & Infusion Therapy Center at Otsego Memorial Hospital, Gaylord. He also served as a principal investigator for McLaren Cancer Institute. Klamerus is a diplomat of the American Board of Internal Medicine and is board certified in medical oncology and internal medicine.

Bill Van Bonn, '84, DVM



'86, renowned veterinary medicine expert, has been named vice president of animal health at

Shedd Aquarium, Chicago. Van Bonn was the senior director of animal care at Shedd from 2004 through 2009, and served as the director of veterinary science at The Marine Mammal Center, Sausalito, CA. He is a past president of the International Association for Aquatic Animal Medicine. In addition, Van Bonn is a founding member of the American Association of Human Animal Bond Veterinarians, and a past invited member of the World Aquatic Veterinary Medicine Association's Ethics and Governance Committee.

Frank Stanek, '96, director



of operations at Owen-Ames-Kimball Co., Grand Rapids, has been named president of the

company. Stanek is the eighth president in the employee-owned company's 122-year history. His previous positions with O-A-K have included project superintendent, director of operations and vice president. He also serves as the chairman of the O-A-K Michigan Board of Directors, chairman of the O-A-K Corporate Board of Directors, and board member of the West Michigan Associated Builders and Contractors Board of Directors. Stanek is a licensed professional engineer and a licensed residential builder in Michigan.

Barbara Marini, '76, former



interior design program chair for the International Academy of Design and Technology,

Detroit, has been named the national president of the American Society of Interior Design, Washington, DC. Marini previously owned Marini Interiors, Inc., served as interior design program chair of the College of Creative Studies, and as director of interior design for JPR Associates. She frequently speaks on design issues. In addition, Marini is a National Council for Interior Design Qualification certificate holder.

Tricia Keith, MBA '09, senior



vice president and corporate secretary for Blue Cross Blue Shield of Michigan, Lansing, has

been named to the Central

Michigan University board of trustees by Gov. Rick Snyder. Keith previously served as director of the business office within the Michigan House of Representatives and as vice president of external relations with the Michigan Economic Development Corp. She is a Michigan Economic Development Foundation and Michigan Minority Supplier Development Council board member. Keith was recognized last year by the National Management Association as the 2012 Executive of the Year.

Thomas Keon, PhD '79,



chancellor of Purdue University-Calumet, IN, was honored by the University

of Central Florida's College of Business Administration in conjunction with its 50th anniversary celebration. Keon was recognized for his contributions to scholarship and research. He previously served as dean of UCF's College of Business Administration for 14 years. In that role, he raised more than \$35 million in gifts and commitments and added more than \$24 million to the college endowment.

Michael Odar, '92, veteran



banking executive, has been named president of Greenleaf Trust, Kalamazoo.

Odar has been an employee of Greenleaf Trust for 13 years, working since February as senior executive vice president of strategic initiatives. He also worked as senior research analyst, director of research and director of wealth management. Odar served as chairman of the Bronson

Foundation Board, serves on the Investment Committee of the Western Michigan University Foundation Board, the Gull Lake Community Schools Foundation and the finance committee of The United Way.

Melissa Spickler, '77,



Merrill Lynch financial advisor, Bloomfield Hills, has been recognized in *Registered Rep.* magazine's "Top 50 Wirehouse

Women in 2013." Spickler serves as executive director of the Detroit Chapter's Women's Exchange, and recently served three years on the National Advisory Council to Management. Spickler was also recognized in *Barron's* as one of America's Top 100 Women Financial Advisors in 2012, and *Hour Magazine's* "Five Star Wealth Manager" in 2010, 2011, and 2012. She founded The Spickler Group in 1980.

John E. Hall, PhD '74, Arthur C. Guyton Professor



and chair of physiology and biophysics and associate vice chancellor for research at

the University of Mississippi Medical Center, Jackson, MS, received an Excellence Award at the Mississippi Innovators Hall of Fame Awards Gala. Hall has previously served as president of the American Physiological Society and the Inter-American Society of Hypertension. The former editor of several journals,

he has authored more than 500 publications and contributed to 18 books.



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.



Are You Moving?

Be sure to take your Alumni Magazine along with you

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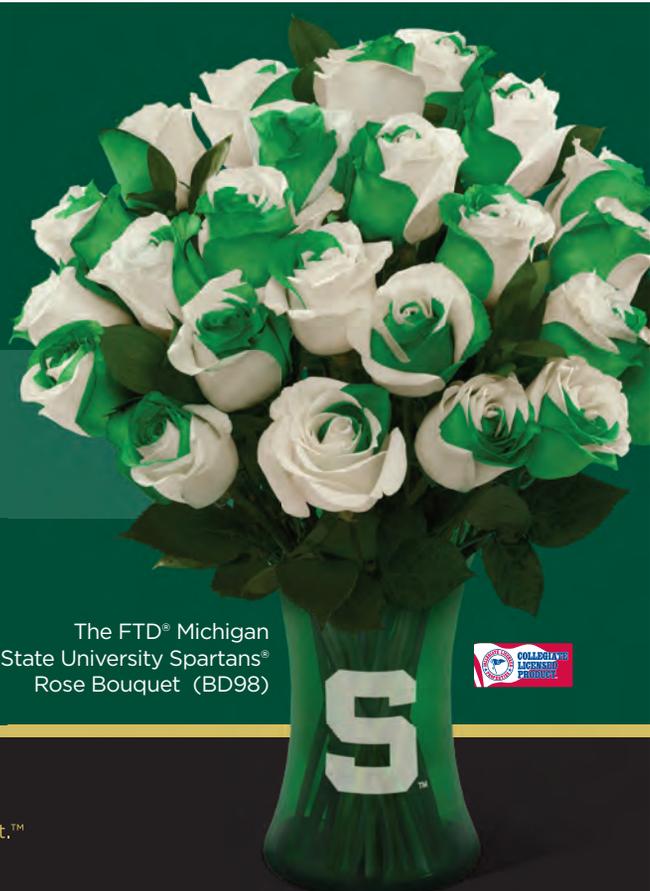


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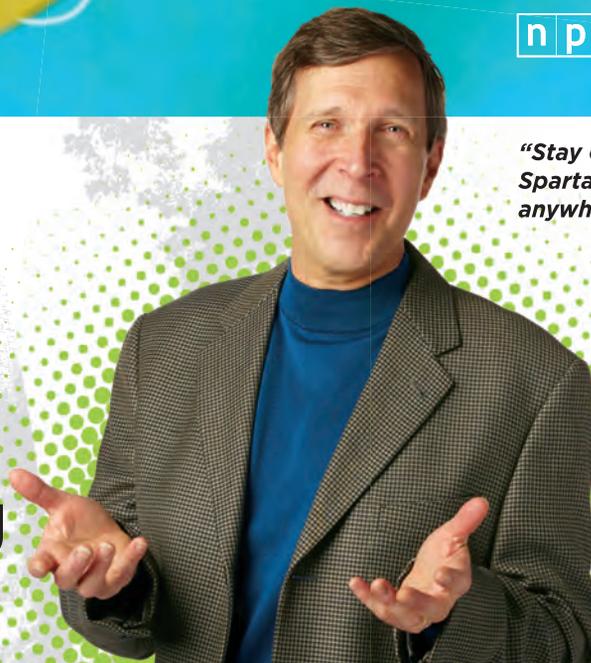
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OBITUARIES

'30s

Paul J. Grady, '31, of Ann Arbor, Jan. 25, age 104.
Margaret E. Holcomb, '31, of Altavista, VA.
Charles E. Blakeslee, '33, of Rockport, IN, Apr. 1, age 102.
Edna (DeWald) Milne, '33, of Brookfield, WI, Apr. 9.
Ruth I. (Moore) Walbridge, '34, of Williamsburg, Nov. 22.
Lulu Iola (Clark) Mendham, '35, of Phelps, WI, Dec. 29, age 98.
Robert J. Veenstra, '35, of Torrington, CT.
Louis A. Carapella, '37, of Rochester, NY, Feb. 10, age 98.
Raymond J. Drake, '37, of Ann Arbor, Nov. 11, age 98.
Willis L. Anderson, '38, of Sparta.
Dalice S. Benge, '38, of Allen, Feb. 22, age 98.
Alice C. (Lee) McKenna, '38, of Austin, TX.
Lieschen H. (Schramm) Corbett, '39, of Midland, Nov. 19.
Betty E. (Dehn) Graham, '39, of Raleigh, NC, Mar. 23.
Raymond Hill, '39, of Perry, Jan. 22, age 95.

'40s

Barbara E. (Jenks) Jarvis, '40, of Waverly, AL, Feb. 25, age 93.
Evelyn B. (McNeil) Kowaleski, '40, of Remus, Jan. 10, age 95.
August H. Lange, '40, of Saint Joseph, Mar. 27, age 95.
James H. Foote, '41, of Pompano Beach, FL, Feb. 23, age 94.
Margie J. (Mallmann) Collins, '42, of Ogden, UT.
Theresa B. (McMillan) Harris, '42, of Sanford, Feb. 1, age 92.
Alicia A. (Lavers) Kennedy, '42, of East Lansing, Mar. 24, age 92.
John H. Kline, '42, of Onokama, Apr. 5, age 93.
Robert J. Lill, '42, of Chicago, IL, Apr. 8, age 95.
Julius W. Amsiejus, '43, of Sun City West, AZ, Jan. 23, age 96.
Fred Holtz, '43, of Midland, Dec. 13, age 92.
Christine J. (Vanderzalm) Kittleston, '43, of East Lansing, Mar. 16, age 91.
Emanuel H. Mullen, '43, of Chevy Chase, MD, Jan. 26, age 92.
Wendell S. Blanding, '44, of Painted Post, NY, Dec. 11, age 90.
Beverly J. (Sprague) Buschman, '44, of East Lansing, Jan. 18, age 90.
Ann (Dunlap) Frey, '44, of Ames, IA, Jan. 2, age 90.
Frances E. (Vargha) Schoomaker, '44, of Tampa, FL, Feb. 1.
Gwendolyn B. (Berger) Straight, '44, of Pacific Grove, CA, Mar. 16, age 90.
Ligia E. (Simons) Dearmas, '45, Mar. 24, age 87.
Jeanne E. (Ringle) Schouweiler, '45, of Fort Wayne, IN, Mar. 9, age 90.
Anne M. (McCall) Alexander, '46, of Dickinson, TX.
William C. Bacon, '46, of Frankfort.
Carolyn W. (Clapp) Bodwin, '46, of East Lansing, Mar. 29, age 87.
Norma E. Hanson, '46, of Bloomfield Hills, Feb. 7, age 100.
Phillis J. (Parshall) Lahmers, '46, of Waverly, OH, Feb. 21.
Margaret H. (Stanton) McDonald, '46, of Waterford, Mar. 17, age 88.
Carl W. Saldeen, '46, of Troy, Nov. 13, age 94.
Russell N. Abbott, '47, of Cushing, ME, Mar. 25, age 87.
Elaine S. (Keyworth) Ball, '47, of East Lansing, Nov. 12, age 87.
Hugh W. Burrows, '47, of Washington, DC, Aug. 8, age 90.
Norma A. (Amy) Carey, '47, of West Chicago, IL, Nov. 30, age 88.
Jane B. Eastland, '47, of Sterling Heights, Feb. 15, age 88.

Daniel Joba, '47, of Battle Creek, Mar. 19, age 90.
Marion L. (Schulte) Johnson, '47, of Livonia, Jan. 27, age 87.
Elizabeth E. (VanFrank) Lister, '47, of Novi, Apr. 7, age 88.
Marie C. Matte, '47, of Erie, PA, Feb. 17, age 87.
Howard J. Pridmore, '47, of Detroit, Dec. 3, age 88.
Monte D. Reichard, '47, of Allentown, PA, Feb. 21, age 86.
Elizabeth L. (Watson) Roberts, '47, of Flint, Nov. 24, age 87.
Gerald E. Smith, '47, of Lachine, Jan. 12, age 91.
Mary E. (Haviland) Bailey, '48, of Lapeer, Mar. 6, age 86.
Rodney J. Crevcoure, '48, of Green Bay, WI, Mar. 27, age 89.
Donald Davis, '48, of St Johns, Jan. 30, age 88.
Lyman E. McLouth, '48, of Grand Rapids, Sep. 8, age 89.
Lyle F. Pohly, '48, of Tallmadge, OH, Apr. 5, age 90.
William G. Roper, '48, of Grand Haven, Mar. 19, age 88.
Harry R. Sberidan, '48, of Tallahassee, FL, Mar. 21.
Eleanor D. (Harris) Sundblad, '48, of Cape Coral, FL, Mar. 8, age 86.
H. Max Tanner, '48, of Traverse City, Apr. 8.
Ernest D. Voorheis, '48, of Bay City.
William J. Willy, '48, of Green Valley, AZ, Jan. 21, age 88.
Helen E. (Young) Zabel, '48, of Minneapolis, MN, Feb. 6, age 87.
Gladys J. (Losbough) Zordell, '48, of Hot Springs Village, AR, Jan. 14.
Roger L. Bracy, '49, of Fort Lauderdale, FL, Jan. 15, age 85.
Duane C. Bright, '49, of Slidell, LA, Jan. 13, age 84.
Kathryn (Titus) Bright, '49, of Saginaw, Jan. 30, age 86.
Samuel J. Hampton, '49, of Summerhill, PA, Apr. 11, age 90.
John R. Kulju, '49, of Ishpeming, Jul. 31, age 92.

Charles J. Magda, '49, of Detroit, Mar. 2, age 87.
Richard O. Shave, '49, of Mendenhall, MS, Jan. 30, age 93.
Carol J. (Swiss) Taylor, '49, of Westborough, MA, Jan. 21, age 89.
Patricia A. VanNorman, '49, of Battle Creek, Mar. 13, age 85.
Kathleen J. Wanroy, '49, of Munith, May 26, age 86.

'50s

Mary E. (Blesch) Bandeen, '50, of Midland, Feb. 6, age 86.
Benjamin B. Barickman, '50, of Naperville, IL, Feb. 6, age 87.
Jameson L. Bosma, '50, of Caledonia, Apr. 6, age 85.
George W. Burt, '50, of Elmwood Park, IL, Mar. 30, age 84.
Francis F. Burton, '50, of Sun City Center, FL, Apr. 2, age 87.
Delbert A. Cole, '50, of Monroeville, OH, Mar. 11, age 94.
Ralph W. Commenator, '50, of Iron River.
Lynelle B. (Bales) Cook, '50, of Tecumseh, Nov. 22, age 85.
Donald A. Fisher, '50, of Royal Oak.
Jean I. (Carstensen) Friend, '50, of Lansing, Mar. 20, age 87.
Joy A. Gardner, '50, of Traverse City, Sep. 9.
Gerald D. Grant, '50, of Winter Springs, FL, Feb. 26, age 83.
Richard P. Haario, '50, of Fenton, Nov. 22, age 87.
James T. Howe, '50, of Saratoga Springs, NY.
Kenneth E. Lautzenheiser, '50, of Jerome, Mar. 27.
Clarence L. Marcoux, '50, of Trenton, Feb. 19, age 89.
Paul E. McKenzie, '50, of Louisville, KY, Mar. 25, age 88.
James W. Meckstroth, '50, of Sandusky, OH, Mar. 15, age 84.
Max E. Otis, '50, of Haslett, Apr. 18, age 90.

Rene M. Peterman, '50, of Grand Blanc, Feb. 5, age 86.

Alexander H. Schmidt, '50, of West Dennis, MA, Mar. 17, age 91.

Martin F. Schmidt, '50, of Clinton Twp, Feb. 11, age 89.

Raymond D. Schofield, '50, of Traverse City, Apr. 4, age 87.

Henry J. Tepper, '50, of Grand Rapids, Feb. 15, age 84.

Richard D. Trent, '50, of New York, NY, Jun. 9, age 86.

Clarence H. Wade, '50, of Port Huron, Mar. 2, age 93.

Verland R. Walder, '50, of Stephenville, TX, Feb. 21, age 87.

Harry R. Winters, '50, of Wyoming.

Royce C. Ziegler, '50, of Hobe Sound, FL, Mar. 19, age 88.

Donald L. Berg, '51, of Key Biscayne, FL, Feb. 25, age 87.

Helene M. (Vallez) Berger, '51, of Las Vegas, NV, Mar. 28, age 84.

Walter R. Burke, '51, of Fort Lauderdale, FL, Mar. 23, age 88.

Robert J. Chippendale, '51, of Houston, TX, Mar. 12, age 86.

Norman K. Coan, '51, of Cedar Rapids, IA, Mar. 30, age 85.

William M. Eddy, '51, of St. Louis, MO.

Robert L. Gault, '51, of Washington, DC, Dec. 17, age 90.

Ralph H. Gillam, '51, of Traverse City, Mar. 29, age 86.

Marilyn A. Gregor, '51, of Dearborn.

Shirley B. Hershey, '51, of Yorba Linda, CA.

Frederick W. Hyslop, '51, of Marysville, Mar. 29, age 85.

Ernest C. Johansen, '51, of Grover, MO, Aug. 6, age 83.

Konrad D. Kohl, '51, of Naples, FL, Jul. 18.

Edward B. Koryzno, '51, of Fruitport, Jan. 25, age 89.

Frederick G. Lapham, '51, of Crossville, TN, Feb. 16, age 88.

Robert L. Madson, '51, of Green Bay, WI, Apr. 12, age 90.

Richard M. Rion, '51, of Westland, Apr. 9, age 92.

Dean M. Schluchter, '51, of Raleigh, NC, Mar. 16, age 95.

Lionel J. Stober, '51, of Toledo, OH, Apr. 9, age 82.

Martin W. Uitvlugt, '51, of Battle Creek, Feb. 16.

Shirley J. (Cotter) Auch, '52, of Birmingham, Mar. 2, age 83.

John F. Doran, '52, of Detroit, Mar. 2.

Gwendolyn E. (Evans) Frankel, '52, of Walnut Creek, CA, Mar. 6, age 81.

Richard F. Hansen, '52, of Safety Harbor, FL, Jan. 17, age 89.

C. Jon Holmes, '52, of Okemos, Feb. 6, age 81.

Jane H. (Urschel) Ide, '52, of Vanderbilt, Feb. 14, age 81.

John B. Mensch, '52, of Kansas City, MO, Mar. 30, age 85.

Beatrice I. (Nurmi) Meyers, '52, of Holiday, FL, Jan. 30, age 83.

Richard D. Moore, '52, of Clinton, IA, Mar. 17, age 87.

Herbert O. Muenchow, '52, of Windsor, CT, Feb. 3, age 84.

Howard S. Nelson, '52, of Rockford, IL, Feb. 4, age 82.

James D. Norman, '52, of Sarasota, FL, Jan. 30, age 82.

Janis L. (Turnbull) Pond, '52, of Tampa, FL, Mar. 16, age 82.

John J. Solomon, '52, of Lansing, Feb. 3, age 84.

John W. Weis, '52, of Sister Bay, WI, Mar. 20, age 85.

Jaime Aranguren, '53, of Brighton, Feb. 20, age 89.

Thomas W. Brogan, '53, Jul. 13, age 82.

Richard T. Burke, '53, of Toledo, OH, Feb. 4, age 82.

Anthony D. Cavalieri, '53, of Iron Mountain, Jan. 25, age 90.

L. Douglas Gantos, '53, of Rancho Santa Fe, CA, Mar. 3, age 81.

Durand F. Jacobs, '53, of Redlands, CA, Mar. 2, age 90.

Karl W. John, '53, of New Brunswick, NJ, Feb. 1, age 81.

Richard C. Kremkow, '53, of Zionsville, IN, Apr. 18, age 81.

James C. Olin, '53, of Houghton Lake, Feb. 13, age 83.

Joseph H. Oliver, '53, of Grand Ledge, Jan. 29, age 87.

Edward M. Palus, '53, of Columbus, OH, Apr. 8, age 83.

Marcia E. Petermann-Miller, '53, of Calumet, Dec. 19, age 80.

Gerald J. Smith, '53, of Livonia, Dec. 25, age 86.

Harlan W. Wellnitz, '53, of Solon Springs, WI, Apr. 8, age 81.

John D. Wilson, '53, of Lexington, VA, Mar. 2, age 81.

Marilyn A. (Melvin) Wolfe, '53, of Pontiac, Feb. 5, age 81.

Maureen A. (DeBergh) Avondoglio, '54, of Pompano Beach, FL, Apr. 23, age 80.

Richard Baughan, '54, of Marion, Mar. 28, age 78.

Charles F. Braun, '54, of Ann Arbor, Apr. 19, age 79.

Archie L. Brott, '54, of Naples, FL, May 26, age 80.

Alfred M. Budner, '54, of Venice, FL, Feb. 5, age 80.

William C. Hadley, '54, of Westland.

John A. Lindenfeld, '54, of Gobles, Mar. 12, age 80.

Ellen F. (St. John) Monkus, '54, of Miami, FL, Sep. 5, age 93.

Norman A. Nelson, '54, of Stuart, FL.

Margaret E. (Graham) Siegan, '54, May 6, age 79.

Robert L. Toney, '54, of Littleton, CO, May 21, age 80.

Jack A. Aylesworth, '55, of Mesa, AZ, Jan. 15, age 81.

Charles L. Fairbanks, '55, of Scottsdale, AZ, Apr. 2, age 79.

Robert P. Marx, '55, of Bellevue, WA, Apr. 4, age 81.

Edwin J. Neitzke, '55, of Sanibel, FL, Feb. 21, age 84.

Thomas L. VanWingen, '55, of Grand Rapids, Jan. 25, age 83.

Mary A. (Rouse) Wren, '55, of Lansing, Nov. 6, age 79.

Ralph J. Baughman, '56, of Mount Pleasant, Jul. 30, age 82.

Jack C. Bignall, '56, of Owosso, Dec. 4, age 82.

John W. Brevitz, '56, of Battle Creek, Mar. 28, age 78.

Frank J. Coussens, '56, of Dillon, CO, Apr. 13, age 79.

Louis E. Eklund, '56, of Muskegon, Feb. 14, age 81.

Forrest D. Freeland, '56, of Watsonville, CA, Feb. 14, age 89.

Rhoda J. (Kelly) Reini, '56, of Hudsonville, Mar. 17, age 79.

Wade C. Stevens, '56, of Manistee, Feb. 22, age 78.

William M. Temple, '56, of Chesaning, Sep. 11, age 79.

Marvin R. Chauvin, '57, of Melville, NY, Mar. 27, age 77.

Patricia A. (Parsons) Cothorn, '57, of Davis, CA, Jan. 25, age 77.

William G. Coyne, '57, of Port Sanilac, Mar. 28, age 78.

Carl A. Diener, '57, of Flint, Mar. 10, age 78.

James F. Douglass, '57, of Poquoson, VA, Oct. 8, age 78.

James W. Golbeck, '57, of Holt, Jan. 26, age 82.

Richard C. Guenther, '57, of Nunda, NY, Apr. 6, age 82.

Catherine A. (Eddy) Purchis, '57, of Lansing, Mar. 15, age 77.

Larry R. Reeder, '57, of San Jose, CA, Feb. 12, age 77.

James C. Saylor, '57, of Dearborn, Apr. 6, age 78.

William T. Templeton, '57, of Kalamazoo, Mar. 20, age 77.

Lorna M. Wildon, '57, of Royal Oak, Apr. 12, age 81.

Howard W. Cook, '58, of Lansing, Feb. 4, age 79.

Phyllis F. (James) DeLang, '58, of Utica, Jan. 25, age 76.

James M. Gleason, '58, of Mableton, GA, Mar. 29, age 77.

Donald J. Graham, '58, of Jackson, Jan. 29, age 80.

Charles H. Hartman, '58, of Delta, PA, Mar. 5, age 80.

Robert N. Hills, '58, of Edgewater, MD, Dec. 19, age 76.

Robert D. Lyon, '58, of Ventura,

CA, Jan. 22, age 81.
Leah B. (Brooks) McDonough, '58, of San Francisco, CA, Jan. 16, age 88.
Robert W. Proctor, '58, of Columbus, OH, Feb. 20, age 76.
Victor H. Pruder, '58, of Mount Clemens, Apr. 6, age 79.
Victor E. Rimes, '58, of Haymarket, VA, Oct. 31, age 81.
Donald H. Zysk, '58, of Palm City, FL, Mar. 28, age 76.
Renate (Ritter) Delphendabl, '59, of Orono, ME, Mar. 3, age 79.
Wilbert Hutton, '59, of Denver, CO, Apr. 5, age 85.
Norman L. Raupp, '59, of Ypsilanti, Dec. 5, age 79.
Charles D. Ream, '59, of Venice, FL, Jan. 25, age 80.
Milo L. Schnabel, '59, of Bountiful, UT, Mar. 27, age 84.
John B. Tallman, '59, of Labelle, FL, Mar. 31, age 80.
Samuel F. Williams, '59, of Pittsburgh, PA, Apr. 25.
William F. Wilson, '59, of Zephyrhills, FL, Mar. 30, age 84.

▶ '60s

John J. Drives, '60, of Madison, WI, Jan. 27, age 82.
Julie F. (Powers) Goodspeed, '60, of Centennial, CO, Jan. 6, age 76.
Hershel Goren, '60, of Franklin, Dec. 27, age 74.
Peter H. Haber, '60, of Southfield, VA, Oct. 13, age 78.
Douglas G. Hoezee, '60, of Fremont, Aug. 29, age 76.
John P. Hopkins, '60, of New Providence, NJ, Feb. 11, age 79.
Jack M. Manning, '60, of Whitsett, NC, Feb. 5, age 82.
Ralph J. Matysiak, '60, of North Ridgeville, OH, Mar. 16, age 88.
Robert F. Piatt, '60, of Muskegon, Apr. 2, age 78.
Janet (Wirth) Pickler, '60, of New London, NC, Mar. 8, age 78.
Daniel P. Slagle, '60, of Loudon,

TN, Mar. 14, age 75.
Francis L. VanGigch, '60, of Washington, DC, Apr. 2, age 79.
Robert G. Weber, '60, of Minneapolis, MN, Oct. 3, age 75.
George O. Winegar, '60, of Hyattsville, MD, Apr. 20, age 78.
Max H. Beardslee, '61, of Jasper, GA, Apr. 1, age 73.
Frederick E. Doll, '61, of Pompano Beach, FL, Jul. 5, age 79.
Russell E. Klingensmith, '61, of San Antonio, TX, Jan. 23, age 91.
Jerald W. Murdock, '61, of Montrose, Mar. 20, age 73.
Sharon (Aiken) Peurach, '61, of Eugene, OR, Mar. 17.
Audrey B. Reist, '61, of Lansing, Mar. 5, age 86.
Daniel L. Roy, '61, of Summerfield, FL, Mar. 27, age 74.
Sarah A. Tolish, '61, of Bolingbrook, IL.
Donald C. Bulthaup, '62, of Westerville, OH, Feb. 23, age 82.
David R. Larrison, '62, of Madison, WI, Jan. 7, age 81.
Joseph B. Mann, '62, of Tempe, AZ, Feb. 2, age 75.
Franklin J. Neesley, '62, of Dublin, OH, Jan. 18, age 76.
William J. Pierce, '62, of Lansing, Feb. 27, age 79.
Leander J. Schmidt, '62, of Rogers, AR, Feb. 25, age 73.
Paul H. Zingg, '62, of Portage, Jul. 28, age 78.
Warren E. Bailey, '63, of Boynton Beach, FL, Feb. 9, age 89.
Loren L. Corwin, '63, of Petoskey, Sep. 2, age 73.
Jack E. Damson, '63, of San Diego, CA, Feb. 9, age 71.
Suzanne N. (Nowacki) Holton, '63, of Fennville, Nov. 12, age 71.
Carroll O. Olson, '63, of Atlanta, GA.
Mary A. Ramant-Young, '63, of North Fort Myers, FL, Apr. 1, age 89.
Erma D. Robinson, '63, of Tucson, AZ, Jan. 27, age 92.
James J. St. Laurent, '63, of Los Altos, CA.

James R. Thomas, '63, of South Bend, IN, Mar. 20, age 72.
George A. West, '63, of Harrisonburg, VA, Feb. 19, age 81.
Guillermo F. Castillo, '64, of Rock Hill, SC, Mar. 8, age 71.
Gerald L. Dawson, '64, of Lutz, FL, Mar. 18, age 78.
Carl K. Dudley, '64, of Somerset, KY, Apr. 12, age 85.
Donald J. Epp, '64, of University Park, PA, Mar. 4, age 73.
Henry A. Goeman, '64, of Placentia, CA, Apr. 7, age 70.
John W. Heringa, '64, of Lake Placid, FL, Jan. 5, age 73.
Paul C. Lemin, '64, of Grand Rapids, Sep. 6, age 87.
Thomas E. Martin, '64, of Norwalk, CT, Mar. 30, age 70.
George Saines, '64, of North Canton, OH, Mar. 8, age 71.
Erlen O. Schroeder, '64, of Mayer, MN, Feb. 1, age 77.
Karen A. Steve, '64, of Bay City, Jan. 21, age 70.
Virginia C. Underwood, '64, of Whitehall, Apr. 22, age 80.
Roberta K. (Black) Bird, '65, of Sparta, Apr. 11, age 70.
Richard D. Brenner, '65, of Ovid, Jan. 30, age 70.
Richard A. Brunt, '65, of Toledo, OH, Jul. 26, age 68.
Allen H. Carothers, '65, of Jackson, Mar. 2, age 72.
James P. Edwards, '65, of Okemos, Jan. 21, age 71.
Sherill J. Fordyce, '65, of Greenville, Aug. 2, age 71.
John R. Gebring, '65, of Beulah, Apr. 11, age 70.
Nellie M. Goldammer, '65, of Grand Rapids, Mar. 9.
Mary K. Harr, '65, of San Jose, CA, Dec. 13, age 73.
Bruce L. Randall, '65, of Pompano Beach, FL.
Richard W. Thomas, '65, of Royal Oak, Dec. 26, age 70.
Margaret A. (Knox) Wyand, '65, of State College, PA, Apr. 14, age 70.

Jon F. Gilbert, '66, of Evansville, IN, Feb. 9, age 70.
Karen L. (Munson) McMullin, '66, of Saint Paul, MN, Apr. 12, age 68.
Mary R. Stid, '66, of Mason, Mar. 29, age 68.
Christy Clark Nichols, '67, of Louisville, KY, Mar. 24, age 86.
Edward J. DuBaj, '67, of Flint, Nov. 5, age 72.
Kenneth I. Fox, '67, of Lakeland, FL, Nov. 5, age 69.
William D. Ice, '67, of South Webster, OH, Jan. 15, age 69.
Mary K. (Gaertner) Mieske, '67, of Auburn, Apr. 16, age 68.
John E. Mongeon, '67, of Washington, DC.
Janet F. (Findlay) Orndorff, '67, of Boise, ID, Mar. 28, age 68.
Ralph R. Stackman, '67, of Boyertown, PA, Mar. 28, age 90.
Richard C. Sutliff, '67, of Lima, OH, Mar. 24, age 67.
Daniel W. Swatosh, '67, of Palm Bay, FL, Feb. 28, age 69.
Dharam P. Yadav, '67, of Alexandria, VA, Apr. 4, age 76.
Ernest C. Dardis, '68, of Easton, MD, Nov. 14, age 75.
Dennis G. Harr, '68, of White Pigeon, Mar. 13, age 70.
Daniel M. Reppuhn, '68, of Fenton, Apr. 7, age 72.
Kenneth E. Ripple, '68, of Westfield, WI, Mar. 6, age 85.
Roger Shepler, '68, of Crossville, TN, Jan. 25, age 76.
Marjory A. (McPherson) Veliquette, '68, of Elk Rapids, Apr. 20, age 69.
Robert M. Eggleston, '69, of Sparks, NV, Mar. 3, age 83.
Thomas J. Knatz, '69, of Tallahassee, FL, Feb. 13, age 71.
Michael C. Oakes, '69, of South Haven, Mar. 18, age 66.
Carol E. (Martin) Osborne, '69, of Kirkland, WA, Feb. 6, age 74.
Gaylon H. Riddle, '69, of Burton, Sep. 3, age 65.
Erla A. Steuerwald, '69, of Sheboygan, WI, Oct. 8, age 88.

Martin E. Zweig, '69, of New York, NY, Feb. 18, age 70.

'70s

Clare M. Anders, '70, of Burlington, WI, Mar. 27, age 68.

Joseph P. Cavanaugh, '70, of Stockton, CA, Jan. 5, age 94.

Robert H. Ingerson, '70, of Santa Ana, CA, Mar. 1, age 64.

Dennis Torp, '70, of Troy, Jan. 28, age 74.

Ray C. Valley, '70, of Lansing, Mar. 11, age 80.

Rita S. (Matthews) Wiggins, '70, of Tucson, AZ, Jul. 1, age 64.

Phillip E. Bromley, '71, of Brooksville, MS, Apr. 12, age 74.

George W. Etter, '71, of Lansing, Mar. 15, age 63.

Walter Hitchuk, '71, of Oak Island, NC, May 20, age 62.

Ruth L. Lagoni, '71, of Niles, Jan. 25, age 64.

Stephen H. Naegele, '71, of East Tawas, Feb. 9.

Dennis D. Beebler, '72, of Granger, IN, Aug. 27, age 69.

Richard J. Boutelle, '72, of Waynesboro, VA, Feb. 28, age 80.

Susan L. (Look) Buaslaugh, '72, of San Antonio, TX, Aug. 7, age 62.

Hartley T. Grandin, '72, of Northborough, MA, Mar. 20, age 80.

Denise M. Kramarz, '72, of Marlton, NJ.

Jessie C. (Milberg) Richard, '72, of Wanamassa, NJ, Feb. 2, age 64.

Jeanne A. Gray, '73, of Kalkaska, Feb. 24, age 61.

Donald G. Griffin, '73, of South San Francisco, CA, Oct. 13, age 61.

William Hieshetter, '73, of Grand Rapids, Jan. 29, age 81.

William A. Hughes, '73, of Taylors, SC, Jan. 29, age 72.

Carole A. Jenkins, '73, of Brighton, Mar. 11, age 66.

Susan P. Muscella, '73, of Joppa, MD.

Lillian L. Rick, '73, of Hillsdale, Mar. 30, age 90.

C. Robert Ryono, '73, of Monroe, Mar. 20, age 61.

Audrey A. Smigay, '73, of Sarasota, FL, Mar. 14, age 77.

Harry L. Weston, '73, of Lapeer, Feb. 7, age 63.

Christine A. Brunswick, '74, of Washington, DC, Feb. 25, age 60.

Donald E. Casterline, '74, of East Lansing, Mar. 13, age 73.

Nancy J. Maclean, '74, of Beaverton, OR, Mar. 24, age 64.

Jacalyn S. McIntire, '74, of Lenoir City, TN, Mar. 23, age 60.

Terry L. McIntosh, '74, of Nellysford, VA, Mar. 12, age 70.

Michael J. Needham, '74, of Lansing, Feb. 25, age 72.

Rodney C. Reisdorf, '74, of Pontiac, Feb. 6, age 61.

John P. Seifert, '74, of Columbiaville, Feb. 23, age 74.

Roy V. Campbell, '75, of Detroit.

Richard W. Esplen, '75, of Lake Worth, FL, Nov. 10, age 59.

James D. Leonard, '75, of Morgantown, WV, Feb. 5, age 65.

Barbara V. (Delya) Sinadinos, '75, of Okemos, Feb. 27, age 75.

Carol A. Clack, '76, of Springport.

David P. Fry, '76, of Hillsdale, Apr. 19, age 59.

Michelle LeBlanc, '76, of Lexington, KY, Apr. 13, age 58.

William B. Nelson, '76, of Bellaire, Mar. 31, age 61.

John A. Rodzik, '76, of Wyandotte, Feb. 13, age 58.

Gary J. Ulicki, '76, of Saginaw, Jan. 21, age 59.

Jane E. (Randolph) Will, '76, of Livonia, Mar. 12, age 59.

Harold A. Carpenter, '77, of Eagle, Mar. 20, age 80.

Michael G. Cruse, '77, of Southfield, Aug. 3, age 56.

Robert P. Koehs, '77, of Marquette, Feb. 19, age 66.

Marilyn L. (Cross) Moore, '77, of Stockbridge, Feb. 8, age 67.

Robert A. Novak, '77, of

Okemos, Mar. 5, age 74.

Robert L. Crane, '78, of Saginaw, Apr. 15, age 76.

Rufus D. Jackson, '78, of East Lansing, Mar. 11, age 58.

William A. Wrase, '78, of Rockford, IL, Jan. 23, age 57.

Marguerite Hamilton, '79, of Grand Rapids.

Betina B. Henig, '79, of Haslett, Feb. 11, age 56.

Bruce C. Sondys, '79, of Trenton, Jan. 3, age 56.

Linda M. (Mann) Sterrett, '79, of Jackson, Jan. 19, age 56.

'80s

Thomas J. Baker, '80, of Northville, Nov. 29, age 56.

Marlene J. Davino, '80, of Saint Joseph, Nov. 30, age 79.

Kenneth L. Robinson, '80, of Puyallup, WA, Mar. 28, age 63.

Lawrence E. Savage, '80, of Warren, OH, Apr. 6, age 55.

Edward J. Woodfin, '80, of St Joseph, Feb. 15, age 57.

Efrain A. Azcarate, '81, of Las Cruces, NM, Feb. 18, age 67.

Stephen M. Setter, '81, of Spokane, WA, Mar. 27, age 54.

Julie D. Eschenburg, '82, of Stockton, CA, Mar. 12, age 54.

Robert E. Jones, '82, of Webberville, Nov. 21, age 79.

Thomas M. Dobbins, '83, of Marshall, Feb. 5, age 55.

Helen J. (McClelland) Nugent, '83, of Franklin, IN, Feb. 5, age 78.

William L. Peterson, '83, of Edmore, Mar. 18, age 52.

Stephen R. Smith, '83, of Caseville, Jan. 28, age 52.

Richard A. Tabaczka, '83, of Grand Rapids, Feb. 8, age 58.

Kristen Allen, '84, of Washington, DC, Nov. 27, age 58.

Edward W. Freundl, '84, of Michigan Center, Feb. 5, age 51.

Donna G. Vanloo, '84, of Marietta, GA, Mar. 4, age 50.

Jon D. Weatherup, '85, of St Clair Shores, Feb. 13, age 51.

Kay W. Wolf, '85, of San Jose, CA, Feb. 27, age 49.

Brian D. Bearie, '87, of Utica, Mar. 8, age 52.

Daniel D. Bombick, '87, of Dayton, OH, Apr. 15, age 55.

A. Diane Bowen, '87, of Lansing, Feb. 21, age 65.

Stefanie L. Hearing, '87, of Flint, Feb. 17, age 48.

Linda S. Springs-Rowley, '87, of Jackson, Mar. 21, age 62.

Nikki A. Afendulis, '88, of Zeeland, Feb. 22, age 47.

Bryan S. Briegel, '88, of Ypsilanti.

Ronald A. Gutierrez, '88, of Torrance, CA, Nov. 4, age 51.

Craig A. Smith, '88, of Divernon, IL, Jan. 4, age 44.

Joseph T. Ostrowski, '89, of Rochester Hills, Mar. 21, age 46.

Matthew D. Tengman, '89, of Grass Lake, Feb. 5, age 43.

Tamera A. Zahner, '89, of Warren, Feb. 21, age 50.

'90s

Jill M. Hessell, '90, of Washington, Apr. 13, age 55.

Chari G. (Seiffert) Johnson, '91, of Haslett, Feb. 3, age 47.

John F. Myers, '91, of Washington, Apr. 5, age 47.

Darren B. Phillips, '91, of Silver Spring, MD, Feb. 16, age 43.

Rebecca L. Roe, '91, of Plainwell, Apr. 3, age 44.

Nancie L. (Rolinski) Brazee, '93, of Kalamazoo, Feb. 5, age 42.

Timothy J. Suszko, '94, of Fenton, Feb. 3, age 41.

Behnam Hassankhani, '96, of Mason, Apr. 17, age 50.

Jace T. Crouch, '98, of Alma, Mar. 26, age 60.

Scott W. Richardson, '99, of Cape Coral, FL, Jan. 21, age 35.

'00s

Michelle L. Matteson, '00, of Jamestown, NY, Oct. 15, age 34.

Adam D. Smith, '00, of Lafayette, IN, Mar. 17, age 35.
Meghan N. Arnold, '04, of Park City, UT, Jan. 26, age 30.
Geoffrey A. Powell, '06, of West Sacramento, CA, Feb. 14, age 29.

Faculty and staff

Betty H. (Grossnickle) Dunkel, '46, of East Lansing, Feb. 5, age 87.
William S. Pryer, '47, of Portland, Apr. 19, age 90.
Sadayoshi Omoto, '50, of Leland, Mar. 4, age 90.
Albert E. Levak, '55, of Lansing, Mar. 23, age 91.
Arthur L. Wells, '55, of Marcellus, Jan. 18, age 84.
Frederick T. Fink, '56, of East Lansing, Feb. 11, age 81.
Joyce A. Vance, '64, of Lansing, Mar. 22, age 69.
William J. Brown-Stone, '72, of East Lansing, Apr. 3, age 72.

Mary K. (Konieczka) Koons, '74, of Saginaw, Jan. 28, age 60.
Jean R. Barrows, of Spring Arbor.
Roberta A. (Cotton) Bergin, of Charlotte, Feb. 3, age 89.
Henry G. Blosser, of East Lansing, Mar. 20, age 85.
Dorothy I. Byrne, of East Lansing, Dec. 14, age 100.
Joan M. Carpenter, of East Lansing, Apr. 18, age 88.
Cleo H. Cherryholmes, of Haslett.
H. Roger Foster, of Saint Johns, Feb. 18, age 86.
Philip E. Greenman, of Tucson, AZ, Feb. 5, age 84.
Mary E. Gregg-Robinson, of Missoula, MT, Jan. 8, age 86.
Donna Gubry, of East Lansing, Feb. 16, age 75.
William N. Hughes, of Seattle, WA, Jan. 22, age 94.
Bernetta G. Kahabka, of

Rochester, MN, Nov. 8, age 94.
Raymond Kromer, of Lansing.
Lillian Kumata, of East Lansing, Apr. 2, age 89.
June C. Lass, of Onkama, Mar. 7.
Harold D. Newson, of Traverse City, Feb. 7, age 88.
Victor N. Paananen, of Revere, MA, Mar. 24, age 75.
Gerald L. Paulins, of East Lansing, Mar. 28, age 76.
Kathryn Paullin, of East Lansing, Mar. 23.
Fred A. Racle, of Reynoldsburg, OH, Feb. 5, age 80.
Sundari J. Rajan, of Okemos, Mar. 9, age 64.
Gordon B. Rapelje, of Lansing, Apr. 14, age 88.
Elizabeth Roberts, of Holt, Aug. 24, age 84.
Paul J. Shively, of Webster, FL, Mar. 4.
Jean VanderBos, of Lansing, Feb. 6.

Frank Wheeler, of Lansing, Mar. 19, age 88.
Christopher M. Wiseman, of Owosso, Nov. 18, age 84.

MSU was notified of these deaths between Feb. 1, 2013 and April 30, 2013.

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

ERRATA

In our Spring 2013 obituaries, we incorrectly listed Nancy A. Bryans, '80, MS '92, of Mason, and Andrea K. Gartside, '67, of Walled Lake. We regret the errors, which resulted from glitches in our database.—Editor.



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D	Cinch Sac w/ logo	\$35	18.5" H x 14.5" W
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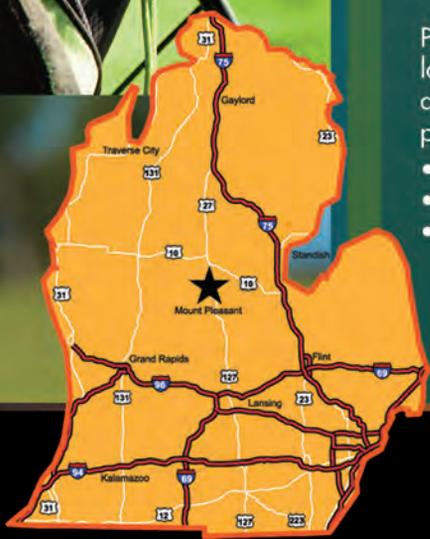
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MSU Alumni Association Tailgate – Saturday, October 12, south side of Spartan Stadium at the corner of Red Cedar and Shaw Ln.

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Derrick Turner/Communications and Brand Strategy