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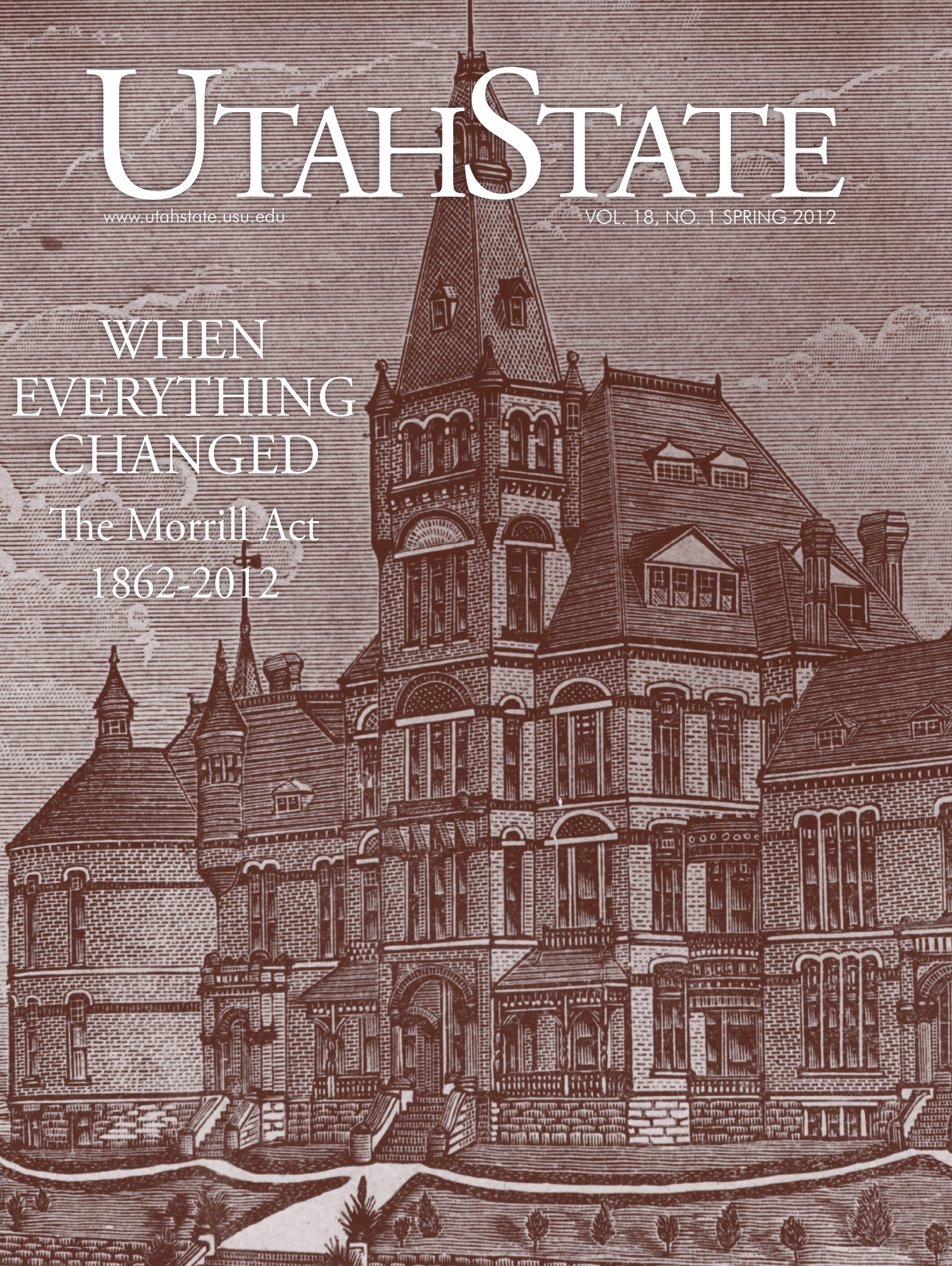
UTAH STATE

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VOL. 18, NO. 1 SPRING 2012

WHEN EVERYTHING CHANGED

The Morrill Act
1862-2012



Utah State University

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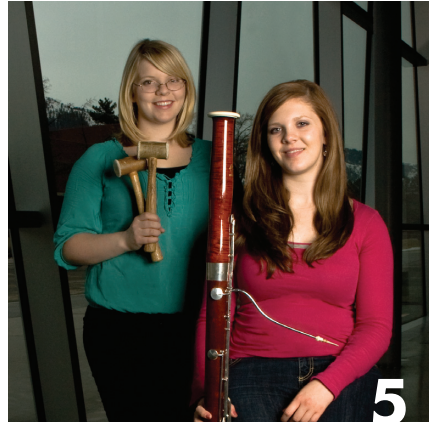
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Enjoy your own tour of the freshly opened Agricultural Sciences building via our collection of detailed, close-up views.

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Shortly after their arrival in Logan, former Utah State University President Kermit Hall and his wife, Phyllis, did away with a lavish inauguration and instead pushed money toward students. See what The Kermit L. and Phyllis A. Hall Endowed Scholarship at Utah State University means now.

26 A TEAM

A new strength and conditioning center is taking shape just outside of Romney Stadium and will eventually accommodate some 400 athletes; reality fueled by well-plotted dreams — and someone amazingly kind enough to share \$4.5 million to get things started.

THE LAND-GRANT PROMISE: ACCESS FOR THE PEOPLE 10

It was a 150-years ago that Abraham Lincoln signed into effect The Morrill Act. Seems like the perfect time to celebrate the land-grant vision of higher education and Utah State University's remarkable role as a national leader.

LIFTING THE AFRICAN SKY 18

As a boy, Layne Coppock, the College of Natural Resources Researcher of the Year 2012, saw Africa's wildlife and cultures as exotic adventures. Now his decades of work there are facilitating adult dreams of human empowerment.



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COVER ART

Architectural drawing by C.L. Thompson for "College Building," 1889. Though Thompson's plan was modified in 1892, the end result came to symbolize access to education for the people, still a hallmark of Utah State University under The Morrill Act.

UTAH STATE (ISSN 1542-2712) is published quarterly by Utah State University Advancement, Logan UT 84322-1422. Periodicals postage paid at Logan, UT, and at additional mailing offices. **POSTMASTER:** Send address changes to Utah State University, Development Records, 1422 Old Main Hill, Logan UT 84322-1422.

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THINKING IT THROUGH THEN WORKING TO DO

During Engineering Week this spring, Utah State University students showed two devices at the Center for Persons with Disabilities' Assistive Technology Lab that can help America's aging population. An earlier version of one of the devices, a wheelchair lift that helps a caretaker lift and stow a wheelchair into the trunk of a car, has a patent pending. The other device, the mechanics creeper, was developed to allow people to work under a car — even if they cannot use their legs.

Steve Hansen, a former deputy director of the Space Dynamics Lab and a research professor in the Mechanical and Aerospace Engineering Department at USU, mentored the students who worked on the projects. He sees broad applications for both devices. The creeper could come in handy for just about any shop with a senior mechanic who would like to minimize the stress on his knees. And, the wheelchair lift could make life easier for a caretaker assisting a person in a wheelchair, but who struggles with wrangling a 50-pound wheelchair in and out of the trunk.

Both projects used the facilities of the Assistive Technology Lab and drew from the expertise of its staff.

The wheelchair lift is an option that would help senior couples, said Amy Henningsen, an occupational therapist for the Utah Assistive Technology Program. Too often, if one is in a wheelchair, they end up staying home because dealing with the wheelchair is too inconvenient.



Albert LaBounty was the inspiration for the mechanics creeper. He lost the use of his legs 20 years ago, but he didn't lose his passion for working on cars. He worked with the engineering students who designed the creeper, letting them know what would and would not work.

"I asked them to make sure it's low enough that I can get under the vehicle without jacking it up," he said.

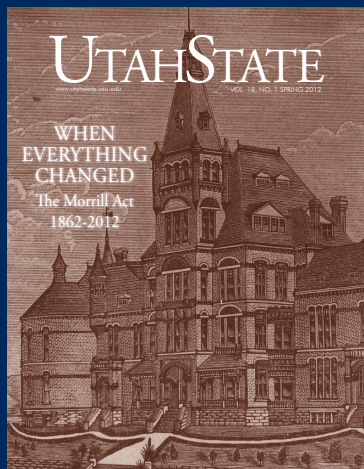
With the creeper he looks forward to changing his own oil, instead of paying a mechanic to do it for him. The creeper sits at a height that allows him to transfer over from his wheelchair. It then lowers and reclines until he can slide under a pickup.

L J Wilde worked with the student team building the creeper. The project also helped them build their résumés. Then Wilde saw LaBounty use their creation for the first time.

"It was an experience second to none in my academic career," he said.

— JoLynne Lyon '92

SHARE YOUR COMMENTS ON THIS ISSUE

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AN OBJECT IN MOTION

Spends five years of elementary school in Budapest. Sometimes returns home crying because she is unable to communicate with anybody. Fluent now, though, and isn't that something! As a junior in high school is blessed with a teacher who secures her time as a "student journalist" in Switzerland at CERN (European Organization for Nuclear Research), hanging out with scientists who know their way around the world's largest and highest-energy particle accelerator. Epiphany there: "I realized that I loved interacting with people around science maybe even more than I did the science," she says.

So upon returning home to tiny Salem, Utah, starts throwing backyard science camps for 4th, 5th and 6th-graders, shows up at city council meetings, school classrooms — everywhere — evangelizing the glories of physics. Next year goes full tilt with the science summer camp concept and teaches neighborhood kids all sorts of cool stuff: Newtonian mechanics with balloons and straws, cohesion and adhesion of water with Magic Sand. And makes a discovery or two along the way; turns out screwdrivers that light up when you have a completed electrical circuit will still light up if a kid helping to demonstrate the circuit is barefoot on the grass — but only if another kid helping is barefoot, too. Ha!

Secures a Presidential Academic Scholarship at USU and dives head first into this whole science outreach thing, desiring above all to "bridge the gap." Becomes president of the Society of Physics Students, nets ASUSU's Outstanding Service Award, Organization of the Year, a Research Fellowship, helps to organize the student arm of the Science Unwrapped program, grabs endless other honors and scholarships — including the prestigious Goldwater as a sophomore — and then decides to drop 20,000 bouncy balls from a helicopter and to turn three floors of the physics building into Haunted Labs for Halloween. And yes, she hands out pamphlets explaining conservation of energy and how things bounce, of course. Also teaches Physics 3500, "Outreach in Physics," as an undergrad.

So, we must ask, is USU junior Linsey Johnson actually from the same planet as everybody else? "I have the greatest parents," Johnson says. Dad is a USU/MIT engineer turned entrepreneur over an obsession with solving "very, very inefficient shoe insoles." Mom holds undergraduate and graduate degrees from USU in speech pathology and insists on reading as a family. In fact, for the last installment of *Harry Potter*, Linsey and her siblings go about weeding the garden, mom reading aloud from a lawn chair in the shade. "If we weren't working hard enough, she'd stop and come to help us," Johnson says. "We would all scream, 'No. No. We'll work harder; go back and read.'" So yeah, Johnson says, "I know that I can do just about anything."

Goldwater Scholar Linsey Johnson: discoverer, aficionada, champion and crusader of all things science.



Jared Thayne photo



ON DETAIL

Ginkgo leaves and grasses in the glass; cascading waves in sculpture tumbling through an open sky-lit atrium. Stirring views of the historic Quad and of the canyons and foothills and valley that serve as stage to a grounded past and as launch pad to a flying future. Details, details, details of Utah State University's Agricultural Sciences Building, ribbon-cut fresh on February 29 — a day set aside for leaping.



CHARTING A LIFE COURSE

Some recorded tracks were accidentally deleted. Other tracks were ruined when TRAX light-rail trains thundered along outside of Salt Lake City's Abravanel Hall. And it was always possible that one of 200 or so children's choir members could force do-overs with a peep or two stemming from all the excitement surrounding such a grand-scale performance. But USU sisters Megan and Emily Stephensen and 700 other singers, instrumentalists and featured soloists still transcended it all in January to debut at No. 1 on Billboard's traditional classical chart with *Messiah in America*, a 34-movement oratorio written by Brett Stewart, co-founder of the all-faiths-welcome Mormon Chorale Organization, with roots in California and the Stephensens' home state of Arizona.

They knew going into it that the experience would be singularly meaningful, but the Stephensen sisters say no one expected such an extensive, moving response to the music. Primarily a flutist pursuing a degree in music education in USU's Caine College of the Arts, Megan played bassoon on the recording but says the emotion of the experience seemed destined to rise above any troubling technical aspects. "It was very spiritual, the whole experience. I felt like I was growing as a musician, and academically, and spiritually all at the same time," Megan said. Younger sister Emily, also based in the Cain College of the Arts with a dream of teaching percussion students, was likewise profoundly affected, by a new appreciation for logistics, yes, but also by the oratorio itself. "It's so captivating. I was hoping people would respond to it, so it really felt good on a personal level when it got so much response," Emily said.

But more than anything, the sisters, who participate in several musical groups on campus including Aggie Marching Band and Aggie Pep Band, said hitting the top of the charts has merely confirmed their choices to create lives centered around what they truly love. "It's always been about music for me," Megan said, "but this was so much bigger than our individual skill sets." Emily added: "I came away wanting to learn more about music so I can teach more music. Performing on this recording only confirmed music's influence on me."

Messiah in America is available through iTunes, Amazon and CD Baby.

And while you're online, check out Emily giving her all to USU's *Scotsman* at an Aggie basketball game. http://www.youtube.com/watch?v=gLIMOUgm_rY

Billboard chart-topping sisters Emily, left, and Megan Stephensen, inside USU's Performance Hall.





Upon their arrival in Logan, former USU Pres. Kermit and Phyllis Hall quickly established an enduring focus: students.

Donna Barry, USU file photo

The Kermit L. and Phyllis A. Hall Endowed Scholarship at Utah State University

Mindy Spackman was a 14-year-old living on her family's dairy farm in Smithfield, Utah, when Kermit L. Hall was introduced as Utah State University's 14th president. But something Hall did upon his arrival in Logan has changed things dramatically for the senior in Family, Consumer, and Human Development, who will complete her bachelor's degree in the coming weeks; he planted the seed of opportunity.



Most everyone in Utah then remembers Hall doing away with a lavish inauguration, instead setting aside the funds that would have been used to pay for it to benefit those who became his enduring focus: students. With \$50,000 the university would have spent, and adding a little more than \$10,000 of his own, Kermit Hall and wife, Phyllis, created a promise that, Spackman says, “definitely made it so I could keep going and get my degree.”

Today, the Kermit L. and Phyllis A. Hall Endowed Scholarship at Utah State University has blossomed substantially, offering the game-changing hope an education brings to a number of qualifying students.

Before entering USU, Spackman first went to LDS Business College and then to Snow College in Ephraim, Utah. She’d already paid her tuition but was beginning to wonder how long she could sustain her studies. “When I received word that I had received this scholarship that covered tuition, I just broke out in tears,” Spackman said. “I was so grateful that someone would do that so that I could get an education.”



Mindy Spackman: ever grateful Hall Scholar.

Jared Thayne photo

Currently also employed as a bus driver for the Cache Valley Transit District, Spackman said student life for her and her husband (who also graduates this spring) is a constant balancing act. The time commitment, making ends meet, keeping track of schedules and assignments ... “The scholarships have been such a big help. We can put anything else toward living expenses. I’ve made it all through school without having to take out loans and that’s just been wonderful,” Spackman said. “I’m ready now to immediately share the knowledge that I’ve gained and to start giving back. I feel it’s my responsibility to pass it on.”

Hall led Utah State University for four years before being named president at the University of Albany-SUNY. He died in the summer of 2006 but is still remembered for his ability to connect with students. He helped them move into dorms, he greeted them on every corner of campus. And when Spackman was 14 with a future to plan, Hall — without ever meeting her — made sure she would get the chance.

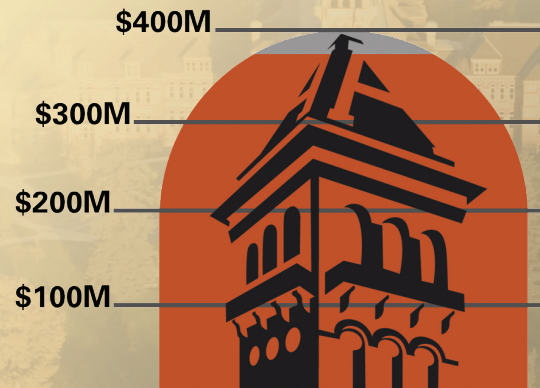
“Kermit and I were beneficiaries of the opportunity presented by a public university and were delighted to establish a scholarship in honor of Kermit’s inauguration as president of Utah State,” said Phyllis Hall. “The generous gifts from the USU community have made it possible for the Hall Scholarship to offer support to a few of many deserving students each year. I am grateful to the contributors and extend my best wishes to the students.”



CAMPAIGN PROGRESS

From July 1, 2003 to March 15, 2012

We’re making great progress! Thanks to our generous donors, we have raised \$386,706,841 million of our \$400 million goal.





COMPLETING THE PICTURE

THE PICTURE OF OUR FUTURE IS BECOMING CLEARER AND MORE SECURE...

Old Main: proud, bold, stately, promising. What a sight it must have been watching it slowly emerge on Logan's sage-covered bench back in 1889.

Even before a construction lot was secured, early founders advertised plans for "The College Building."

Too new to be old, the future Old Main was something left only to the imagination, that intrinsic human ability to give essence to dreams.

Read the history and you will appreciate two driving forces behind the building of our college: grand vision and real urgency.

It started with Old Main. The lofty dreams for our school's first edifice were given shape and form by Architect C.L. Thompson when he unveiled a structure stately, with towers and turrets, to be built in three parts.

Within 10 months, the first phase was completed.

But what if they had simply stopped after that? The public announcement five years ago of Utah State University's first comprehensive campaign

is comparable in scope and urgency to those early days of our college.

As we enter the final months of the campaign, we turn to you to help us complete this dream bold and timely as our beginnings. Our fundraising campaign has generated \$386 million. We are less than \$14 million away from our \$400 million goal. That is a stunning number when you consider the dire economic period in which it was raised. Utah State University rose from a sage-covered bench because of people willing to invest in its future even when their own futures seemed less secure. That same spirit and support continues to carry the day and shoulder the dream — a consensus of confidence that is now 125 years strong.

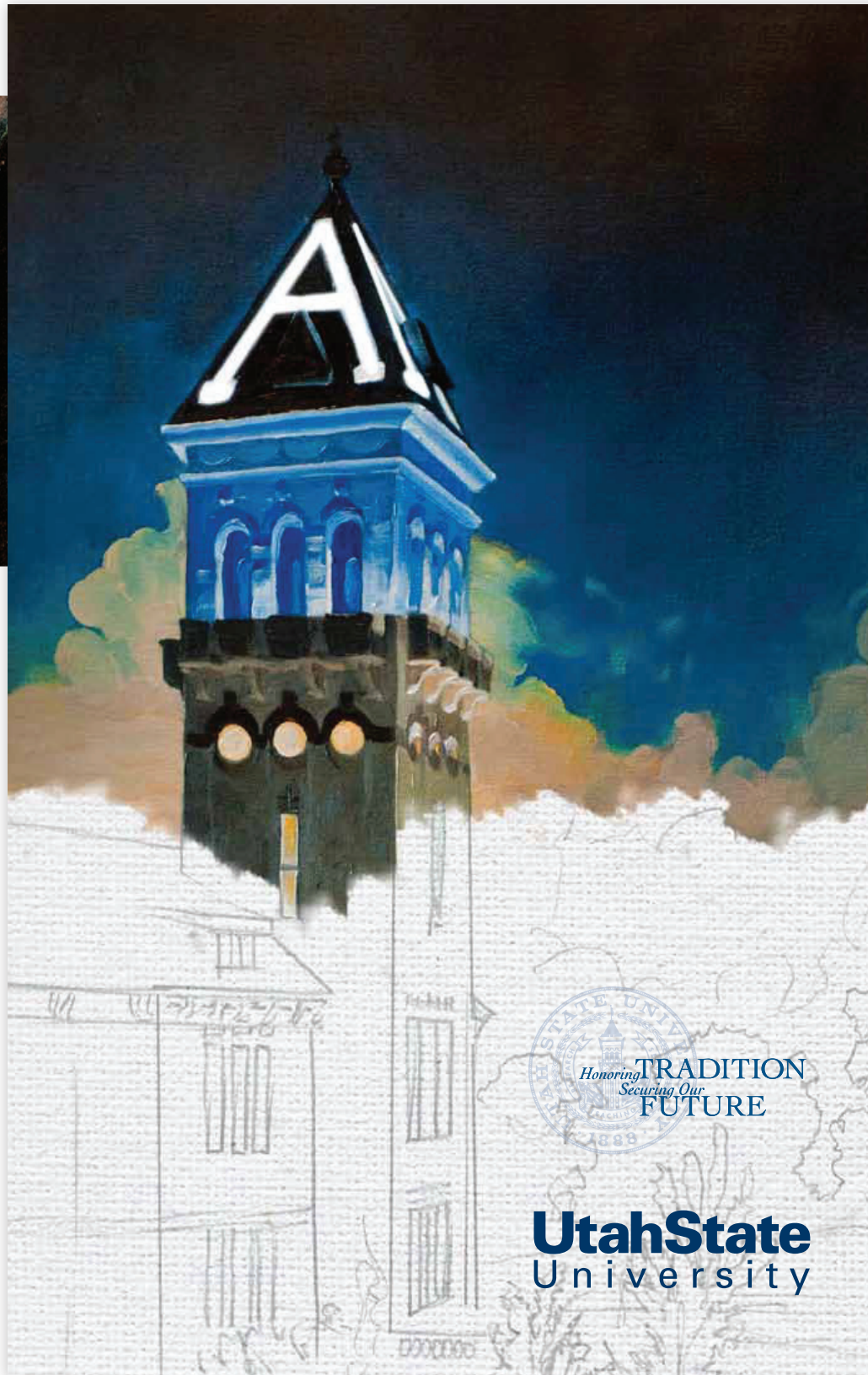
The picture is becoming clearer of a future that is more secure and you can help with the finishing touches. This time around it is not the emergence of one single structure that we point to, but rather an astonishing array of human potential and possibilities: we are building dreams bound by the mortar of our best minds and mentors.

CTURE

It is a lofty endeavor dedicated to building endowed scholarships and professorships and providing students with greater opportunities far beyond the shadows of Old Main. It is for new degrees and programs to match the breakneck pace of the marketplace. It is for teaching in a future more dependent on private funding. It is for innovation in research to spawn new jobs and businesses. It is for transforming higher education as we know it and changing lives as only Utah State University can.

Please help us realize our vision, upon which so many more dreams now depend.

For more information, go to www.usu.edu/campaign.



THE MORRILL ACT 1862-2012



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UTAH STATE UNIVERSITY

Celebrating 150 Years of Learning, Discovery and Engagement

Utah State University, founded in 1888, commemorates the 150th anniversary of President Lincoln's signing of the Morrill Act of 1862 that established the land-grant system of public colleges and universities.

The anniversary of the signing of the Morrill Act provides an occasion to celebrate the enduring power of the land-grant vision of higher education and to recognize Utah State University as one of the nation's premier land-grant institutions.



Photos clockwise from left: Pres. Abraham Lincoln; Schaub architectural drawing of Old Main, 1892; horse-powered chaff piler on Experiment Station farm, ca. 1905; sewing class in Old Main, 1893; surveying class on campus, 1895; Rep. Justin Smith Morrill (Vt.).



Democracy, Education and the Land-Grant Tradition

By making a college education more accessible, the commonly referred to Morrill Act, or Land-Grant College Act, revolutionized higher education in the United States.

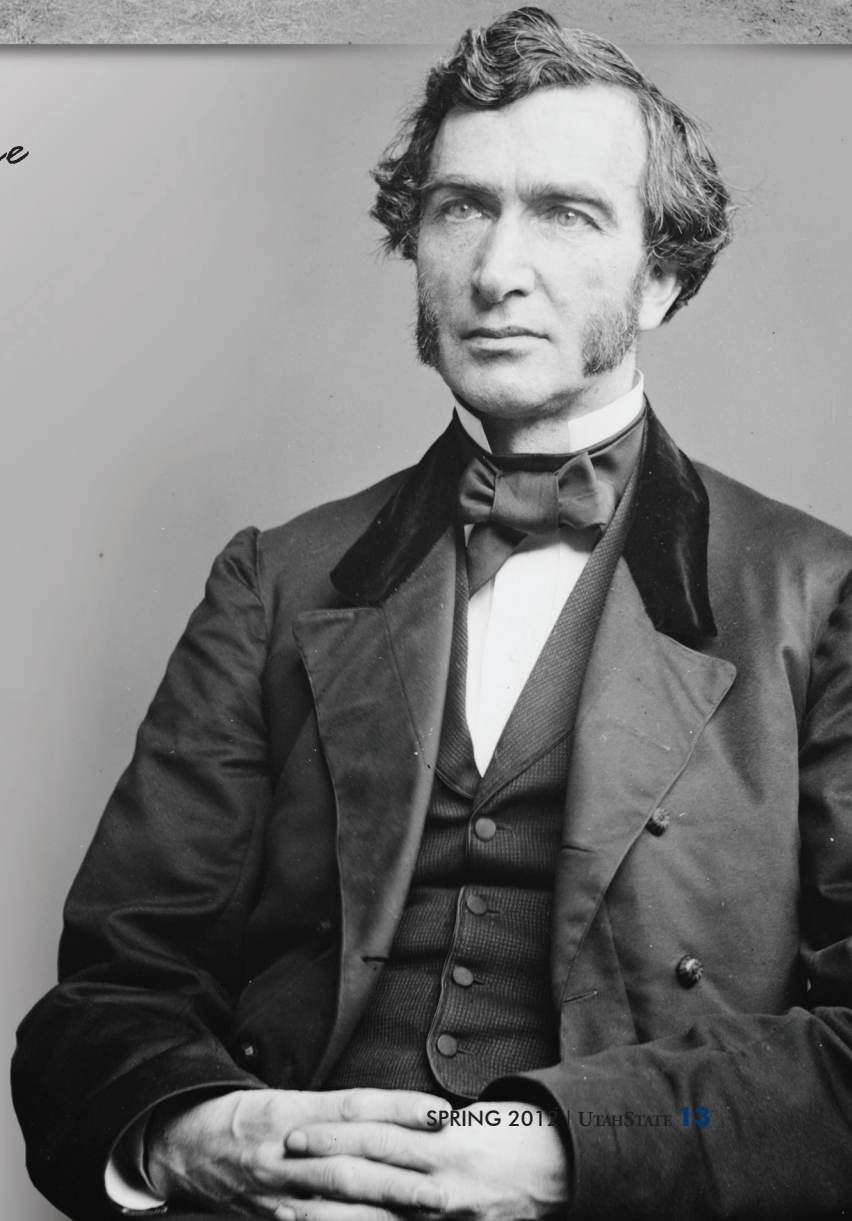
That they might “provide colleges for the benefit of agriculture and the mechanic arts ...” this act provided 30,000 acres of public land to the various states and territories according to their number of congressional representatives and senators.

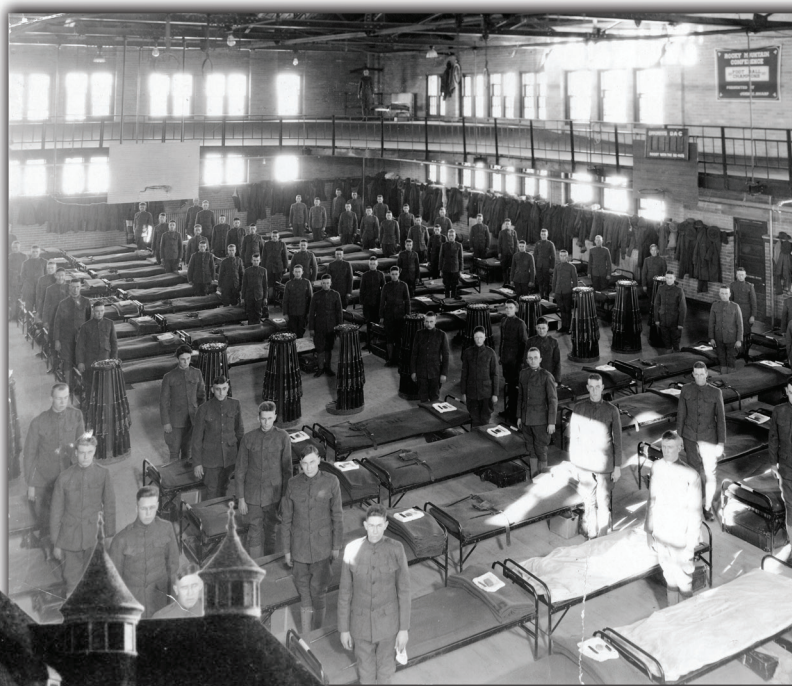
“Let us have such colleges,” pleaded the bill’s sponsor, Rep. Justin Smith Morrill (Vt.), “as might rightfully claim the authority ... to scatter broadcast that knowledge which will prove useful in building up a great nation — great in its resources of wealth and power, but greatest of all in the aggregate of its intelligence and virtue.”

The Morrill Act firmly established precedents held invisible since the founding of the republic. “Knowledge, being necessary to good government and the happiness of mankind,” wrote the Continental Congress in 1787, “schools and the means of education shall forever be encouraged.”

It was a view that Abraham Lincoln sustained throughout his political career. As early as 1832, Lincoln looked forward to the time “when education ... shall become much more general than at present ...” and vowed to support the “advancement of any measure which might have a tendency to accelerate the happy period.” — March 9, 1832, First Political Announcement

True to his word, Lincoln signed the Morrill Act July 2, 1862.







USU Early Graduates

The impact of the Morrill Act is nowhere better exemplified than in Utah, where economic and educational circumstances would have precluded many early students from attending more traditional 19th century colleges.

As a land-grant college, however, USU was both affordable and accessible. There was no tuition. Students were charged only a \$5 entrance fee. For those lacking the necessary skills to pass the entrance exam, the college included a preparatory department.

While the college existed primarily “to teach such branches of learning as are related to agriculture and the mechanical arts ...” it also provided instruction in the “English language and literature ... (as well as) ... other natural sciences ...”

The joining of such practical education, along with other more liberal disciplines, would become a hallmark of USU, where music, literature, and the arts were encouraged from the very beginning.

Students formed clubs and associations specifically designed to broaden their educational experience.

As a result of both their practical training and experience, many of the college’s early graduates went on to achieve prominence in a variety of academic, governmental and commercial positions.

USU’s land-grant tradition was particularly important for women, who had been largely excluded from higher education until passage of the Morrill Act. Sarah Walker Eddy, a member of the college’s first faculty, celebrated this transformation during the college’s dedicatory exercises, September 4, 1890.

“The day of hair-breadth distinctions between the sexes is past. Now the young lady may enter side by side with her brothers, and, if sufficient mental power be hers, she may keep by his side, or per chance go ahead.”

“I hold that every girl,” Eddy asserted, “ought thoroughly to fit herself for some definitive calling aside from the home.”

Photos clockwise from left: Construction of Old Main west tower, 1901; SATC barracks in Smart Gymnasium, 1918; speakers and exhibits tour Utah and Idaho by train from ACU campus, 1904; three women lift another for practice course in nursing, ca. 1923; Old Main Hill being plowed for WWI “Victory Gardens,” 1918.



Photos clockwise from left: Members of the Turnverein group pose southwest of Old Main, ca. 1923; women milk cows in a 1920s competition; Loretta Crook welds brackets for USAC armory rifle racks, 1945; two students working on a plane, ca. 1950; History seminar in the Hatch Room of the Merrill Library, 1965; women's class in auto mechanics, 1943; filming for TV program at KUSU, 1960s.





Photographs and text are part of Utah State University's Special Collections and Archives' new touring historical exhibit, *Utah State University Celebrating 150 Years of Learning, Discovery and Engagement: The Morrill Act 1862-2012*. The exhibit debuted at Founders Day and this year will circulate through each of Utah's 29 counties.

Special thanks to the Exhibition Curators — Daniel Davis, Photograph Curator and Robert Parson, University Archivist; Graphic Designer, Kristin Heal; USU Historian, F. Ross Peterson; the Merrill-Cazier Library Administration; and the Office of the President.



Jared Thayne photo

Enthralled by Africa's exotic landscapes and cultures as a boy, Layne Coppock has enriched his life — and the lives of others — through decades of research there.

Lifting the

African Sky

How Childhood Fantasies of
Rhino Wrangling Led to
Adult Dreams of
Human Empowerment



Hatari!

For people of a certain age, John Wayne's rough-and-tumble adventure in colonial-era Tanganyika formed their first impressions of Africa. Filmed in what's now known as Tanzania, the 1962 flick features sweeping vistas of rolling savanna teeming with zebras, elephants, giraffes, rhinos and cheetahs. In characteristic macho style, Wayne and his posse mount jeeps and trucks to chase down and capture wild animals for Western zoos.

At seven years old, future USU faculty member Layne Coppock was spellbound as he watched 'The Duke' lasso a charging rhino on the big screen.

"To me, it was an amazing, exotic adventure," says the Colorado native, who admits he must have returned to the theater to see the film at least six times. "I thought 'who would ever want to do anything else?'"

During his teen years, Coppock's mother, noting her son's unflagging fascination with Africa, scraped together funds and surprised him with tickets for a tour of Kenya, Tanzania and Zimbabwe — the latter then known as Rhodesia.

"In person, Africa didn't disappoint — I was enthralled with the landscapes and cultures," he recalls.

University studies in zoology, wildlife biology and animal science propelled the doctoral student back to Africa, where, for two years, Coppock studied the ecology of nomadism in northern Kenya as part of the National Science Foundation-funded South Turkana Ecosystem Project.

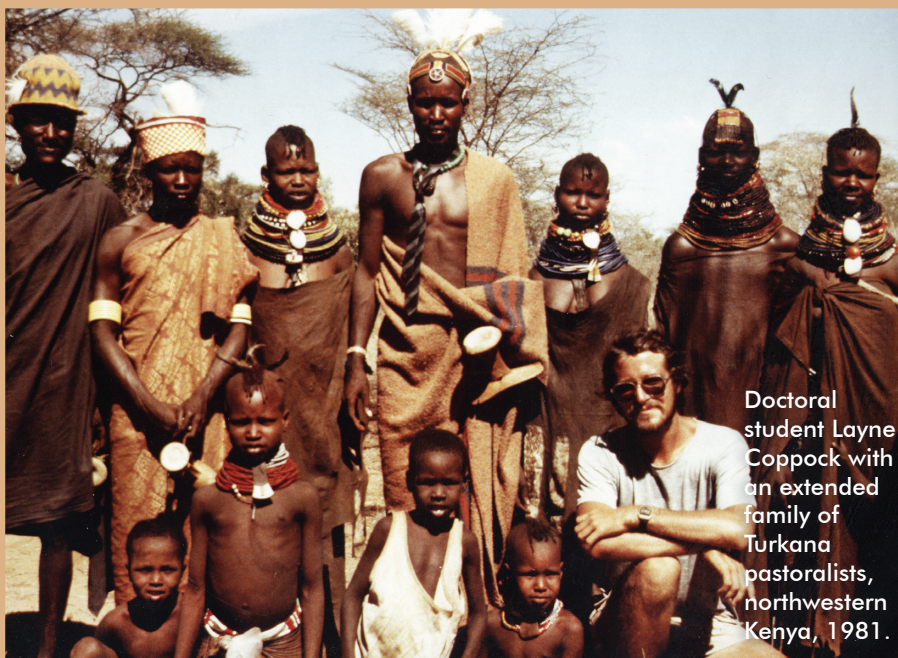
Under starry nighttime skies, he slept on a cot atop a Land Cruiser to avoid venomous scorpions and spiders prowling below. By day, he followed nomads as they moved their herds to find new forage and water.

"I noticed the nomads were often hungry, always living on the edge," Coppock says. "All of their wealth was tied up in their livestock."

The observation marked a shift in the young researcher's focus.



Collective-action group of Boran pastoralists, southern Ethiopia. PARIMA staff member and extension specialist Seyoum Tezera is shown in the middle of the back row. Photo courtesy of USU's Claudia Radel.



Doctoral student Layne Coppock with an extended family of Turkana pastoralists, northwestern Kenya, 1981.

“While I loved Africa’s wildlife, I realized wildlife problems were really people problems,” he says.

Wrapping his academic career in 1985 with a doctorate and a journal article in *Science*, he headed to Ethiopia as a researcher with the International Livestock Center for Africa. For the next six years, Coppock conducted a wide variety of studies concerning how to improve pastoralism and alleviate poverty on the Borana Plateau.

“Like their Kenyan counterparts, the Ethiopian pastoralists were always vulnerable to the next crisis,” he says. “Our research emphasis, initially, was to find conventional ways to improve their lives through technology: how to make animals produce more young, how to improve the quality of butter for sale, how to increase crop yields under dry conditions.”

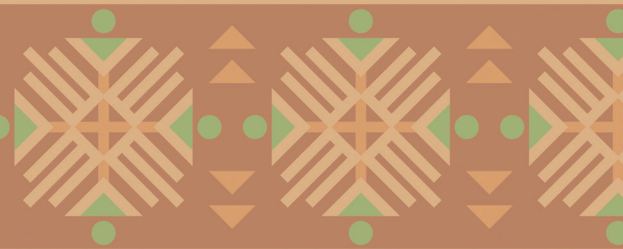
But the nagging observation Coppock made during his years in Kenya returned: Technology was unlikely to improve the pastoralists’ situation. Lack of urban employment opportunities caused rural populations to grow and available land for grazing to shrink. Drought cast a pall over increasingly hopeless circumstances.

“The answer, I realized, lay in finding ways to help pastoralists diversify their livelihoods and improve their ability to manage risk,” he says. “But the big question was: how do people do that when they’re illiterate and have no skills beyond herding animals?”

By 1994, Coppock, who joined USU’s College of Natural Resources in 1991, and was named its Researcher of the Year for 2012, completed a book synthesizing his research. It was time, he decided, to put his ideas into action.

“At first, I didn’t know how I would get the financial support to launch an effort to help an entire society, but things started to come together,” he says. “I received a New Faculty Research Grant from USU and then a larger grant from the Rockefeller Foundation.”

A turning point was funding from the U.S. Agency for International Development that gave the fledgling Pastoral Risk Management project,



initiated in 1997 by Coppock and collaborators, sturdy legs. For the next 12 years, USAID continued to fund “PARIMA” — as it became known — and the consortium of partners from the United States, Ethiopia and Kenya surged ahead with an innovative program that combined applied research with outreach and training and established durable connections with development agencies and policy makers.

The biggest surprise of the project was the success of pastoral women’s groups in southern Ethiopia, which the PARIMA team initiated in 2001.

“We arranged for a small group of Ethiopian pastoral women to cross the border and meet with peers in northern Kenya who had successfully pulled themselves out of poverty by creating savings clubs and diversifying their economy,” Coppock says. “They’d not only created small businesses but had invested in public schools and clinics — services the Kenyan government had been unable to support.”

For the Ethiopian women, the 10-day encounter was an eye-opener.

“These women, who’d had little exposure to the outside world, were amazed,” he says. “They saw women similar to themselves taking charge and creating new lives despite challenging circumstances.”

Up to that point, the Ethiopians had no vision that their lives could ever change, he says. Inspiration and mentoring from the Kenyan peers was just the spark they needed.

“Everything just exploded — it was as though a light came on and the Ethiopians were full of ideas and energy,” Coppock says. “For the next nine years, our PARIMA team worked steadily with the pastoralists to forge a catalytic process of skill development across the population.”

Directed to a large extent by the community members themselves, the effort introduced collective action, microfinance, modern livestock marketing and best



Women’s group on the Borana Plateau, southern Ethiopia. Photo courtesy of USU’s Claudia Radel.

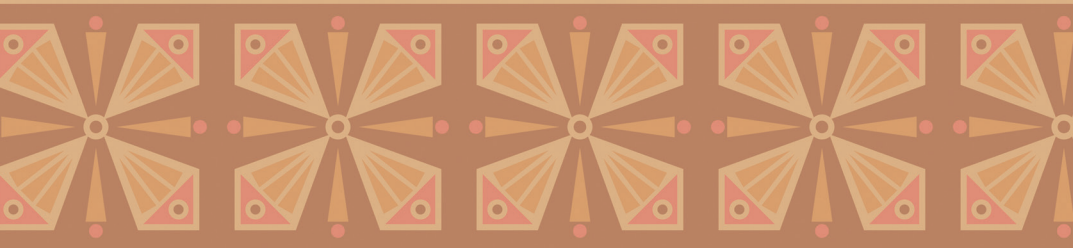
“We arranged for a small group of Ethiopian pastoral women to cross the border and meet with peers in northern Kenya who had successfully pulled themselves out of poverty by creating savings clubs and diversifying their economy.”

— Layne Coppock





As a doctoral student in 1980-81, Layne Coppock shot this photo of a pastoral camel herd at dawn, South Turkana, Kenya.



“The key to the project’s success is that participants now have some control over their situation and a dream that their lives can be better, and that dream is spreading like wildfire.”

practices for managing small businesses as tools for a diversified future. The project also included classes to improve literacy and numeracy.

Fast forward to the present: thousands of pastoralists on the Borana Plateau have successfully diversified their livelihoods and bolstered their drought resistance, unleashing a cascade of unexpected benefits in health care, education and uptake of technology, notably cell phone use.

“The savings-led microfinance program alone has generated more than

5,300 microloans with a cumulative value of more than \$645,000 in just a few years,” Coppock says.

The ‘secret sauce’ in all of this, he says, has been the painstaking work of his team of professional Ethiopians, who, along with Coppock, received top recognition from Ethiopia’s Regional State Government of Oromia as well as a gold medal from the Ethiopia Society of Animal Production.

“My team cared deeply about the people and making this effort a positive model for the region,” he says.

Coppock detailed the PARIMA story in a recent article in the journal *Science*, effectively bookending his long career in East Africa and fulfilling not only his dream but those of others.

“The key to the project’s success is that participants now have some control over their situation and a dream that their lives can be better,” he says. “And that dream is spreading like wildfire.”

— **Mary-Ann Muffoletto MA’95**

View a film by journalist Robert Caputo on the project at <http://www.vimeo.com/12800413>

Chart Your Own Adventure with **SUNRISE SESSIONS**

Layne Coppock will share the stories behind his research in Africa on April 13 in Salt Lake City as part of Utah State University’s ongoing *Sunrise Sessions*. He is one of four top USU researchers featured in this year’s series. Held quarterly, *Sunrise Sessions* afford USU alumni, community and business leaders and the public the chance to experience world-leading research in diverse fields. Thanks to generous sponsorship by Regence Blue Cross Blue Shield, *Sunrise Sessions* are free of charge, but seating can be limited. Alternating locations are used so be sure to get more information at <http://research.usu.edu/vp/?news-media-and-events&sunrise-session&>

1. Randy Lewis, earlier this year — Spider Silk

January’s *Sunrise Session* explored Randy Lewis’ world of spider silk and involved Slinkys, Legos and a Spider Man suit for the Utah State University USTAR professor. Lewis has pioneered the study of spider silk proteins, which have many potential uses including ligament and tendon repair as well as high-tech clothing. Lewis introduced the audience to the genetic makeup of spider silk proteins — shaped like Slinkys, Legos and zippers — as well as the innovative science that genetically modified bacteria, goats, alfalfa and silkworms plays in producing spider silks. Lewis’ research has garnered international press and industry attention. He is a USTAR professor of biology in the Synthetic Bio-manufacturing Center at Utah State University.



**2. Layne Coppock,
April 13, 2012 —
Empowering African
Women to Transform
Communities**

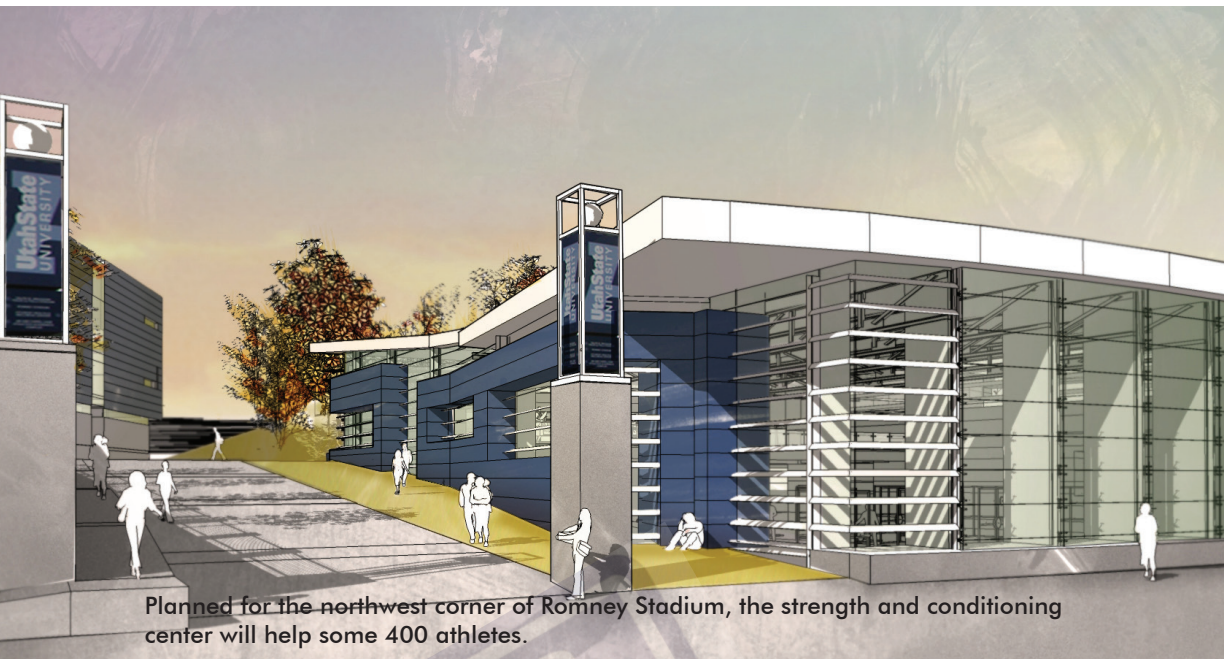
Poverty and drought devastate many Africans — seemingly impossible problems to solve. A USU-led project improved the lives of tens of thousands in southern Ethiopia by catalyzing a skill-development process that improved incomes, assets and well-being. Poor, illiterate women became transformational community leaders. This was possible because a USU team had discovered dynamic women's groups in the northern desert of Kenya who had lifted themselves out of poverty to become entrepreneurs. USU then enlisted the help of the Kenyans to cross the border and inspire Ethiopians, unleashing a tidal wave of change. This is their story.

**3. Vonda Jump,
June 8, 2012 —
Optimal Child
Development**

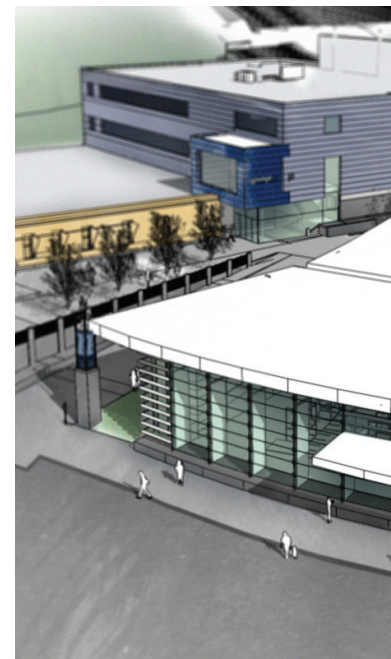
Dr. Vonda Jump will discuss her work promoting the optimal development of infants and young children being raised in alternative caregiving environments, with a focus on orphanage care. Jump has traveled to and worked in Ecuador, Haiti, India, and Russia training orphanage caregivers and investigating the effects of positive early interactions with infants and young children on children's health and interaction abilities. The early years are critical for young children's optimal brain development and interactions with caregivers during those early years greatly affects it. Jump will discuss ways that we can improve outcomes for all infants through simple techniques.

**4. Chris Hailey,
Oct. 26, 2012 —
Engineering and
Technology Education in
High School**

For the past eight years, researchers affiliated with the National Center for Engineering and Technology Education (NCETE) have been building capacity in technology education and improving the understanding of the learning and teaching of high school students and teachers as they apply engineering design processes to technological problems. Learn about some of the ways in which engineering is introduced into high school classrooms and what we have discovered about student confidence in their abilities to become engineers as well as their understanding of engineering overall.



Planned for the northwest corner of Romney Stadium, the strength and conditioning center will help some 400 athletes.



Newfound STRENGTH TO EXCEL

Utah State University Director of Athletics Scott Barnes in January announced the largest gift in the history of Aggie Athletics — a lead gift of \$4.5 million from a donor who wishes to remain anonymous — to fund a new strength and conditioning center.

The \$6.2 million, 18,000 square-foot strength and conditioning center will feature areas for weight training, cardiovascular workouts and speed and agility training, as well as offices for staff. Built on existing university property at the northwest corner of Romney Stadium, the state-of-the-art multi-level facility will alleviate overcrowding in the existing 5,800 square-foot conditioning center and will accommodate almost 400 athletes from 16 sports programs.

The facility is expected to be completed in the summer of 2013.

“We are extremely thankful for the generous and historic lead gift that has made this project possible,” said Barnes. “We can’t thank the donor family enough for their continued and monumental support. Their contribution to this project is a game changer for all of our programs.”

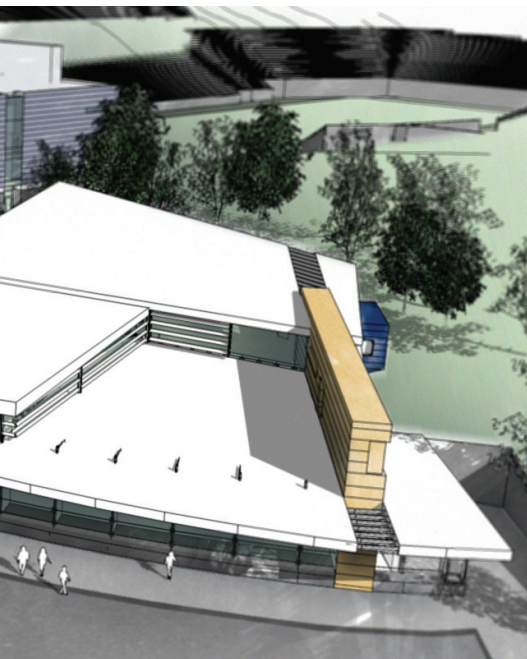
“The location, programming aspects and amenities of the new strength and conditioning center will serve as a huge recruiting opportunity for all sports,” Barnes added.

All funding for the new strength and conditioning center will come from private donations.

“The progress in athletic facilities at Utah State continues to be extremely positive. Future student-athletes in all sports will enjoy this much-needed addition, and it’s an obvious boost to recruiting. We are all very grateful to the donors and fundraisers who have made this possible.”

Stew Morrill
Utah State Head Men’s Basketball Coach

A TEAM



The location of the facility may allow the athletic department to capitalize on potential new merchandise sales and customer service opportunities as well.

“We will work with our architects and others to evaluate the upside to adding a game day Aggie Apparel outlet on the east end of the building

as well as a possibility for a new game day ticket outlet on the west side,” said Barnes.

This project is the latest in a series of recent athletic facility improvements at Utah State. In 2008, the University completed construction on the 69,000 square foot Jim and Carol Laub Athletics-Academics Complex. In 2009, USU opened the Steve Mothersell Athletics Hall of Honor as well as its new off-court basketball facilities, which include the Nate and Heather Wickizer men’s basketball and MerLynn Pitcher women’s basketball locker rooms. In 2010, USU opened the Dr. Randall and Julianne Stockham Student-Athlete Academic Hall of Honor and in 2011 a new synthetic turf was installed in the Stan Laub Indoor Training Center.

“Strength training and conditioning play a big part in allowing our student-athletes to compete at their best. The new strength and conditioning center will give our student-athletes a competitive edge. Increasing the size of the facility will also allow more flexibility in workout times for the student-athletes as they continue to balance their academic and athletic commitments.”

Heather Cairns
Utah State Head
Women’s Soccer Coach



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If Machu Picchu is on your list of “must see” destinations, then don’t miss out on our trip to **Peru** as we visit Lima, Puerto Maldonado, Cusco, and of course Machu Picchu. Come explore this enchanting land and its rich history August 26- September 4, 2012.



If you love to cheer on the Aggies, then come with us as we travel to **Chicago, IL** and **Madison, WI**. See the sights in Chicago and cheer on the Aggie football team as they take on the Badgers of Wisconsin in Madison. Don’t miss out on this opportunity September 13-16, 2012.



Explore Europe from **Athens** to **Barcelona** as we stop in some of the most famous ports in Europe during the Italian Reflections Cruise November 7-15, 2012.



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'60s

A Ray Butcher '62, '68MS was inducted into the NJCAA Hall of Fame in 2011. Butcher is an inaugural member of the Arizona Western College Hall of Fame. He spent nearly four decades at Arizona Western College as a faculty member, coach and athletic director. He was a coach in various capacities for 11 years and was the athletic director until his retirement in 2000. His nine years as head football coach placed Ray and Matador Football in the national spotlight. He took over the program in 1968 and promptly led the team to five consecutive bowl appearances, two of which were national championship games, including the 1972 El Toro Bowl which capped a perfect 10-0 season to earn the school's first national title in any sport. He was named the NJCAA Coach of the Year that same season and was Arizona Junior College Coach of the Year three different times. He went on to additional success as an assistant coach at Utah State and head coach at College of the Desert, earning coach-of-the-year honors twice more. He finished with an overall coaching record of 91-53.

A Anthony T. Cluff '62, '64MS, is the author of the award winning book, *In Search of the Great White God* which examines the myth of a god who visited the Americas prior to Columbus. Before retiring in 1999 he served as the executive director of The Financial Services Roundtable, an association of senior executives from the nation's major financial institutions in Washington, D.C. Prior to that he was on the staff of the U.S. Senate Banking Committee. He received a Ph.D. in economics from The George Washington University in 1972. He lives with his wife, renowned artist Donna Clark, and their four dogs in Aldie, Va. He is currently writing a book of short stories about the lives of boys and men.

A Golden Adams '69 has been named to the management team of LegacyStories.org, which collects, archives and shares legacy stories that represent the living history of the 20th and 21st centuries. Adams is an Accredited Genealogist® for the mid-south and gulf south regions of the United States. A member of Association of Professional Genealogists (APG) and National Genealogical Society (NGS), he owns and operates Adams Genealogical and Legacy Services and is a FamilySearch® Indexing Specialist and FamilySearch FamilyTree® consultant. Adams is a career middle school science educator, planning to retire soon, and a Founding Ambassador of the International Association of StoryKeepers (I-ASK). He received his MLT from Western Governor's University in 2003.

'70s

A Sharon Nauta Steele '70 won first and second place in the 2011 League of Utah Writers children's manuscript division. A former *Deseret News* and *Lakeside Review* columnist, she has won many state and national writing contests, and has published numerous poems, short stories, and articles. A teacher of English and creative writing at Syracuse High School, Steele is a regular contributor to *Utah English Journal*. For several years she chaired the Dr. William and Carol Strong Utah English Teacher of the Year competition. She is married to former Utah State Senator **David H. Steele '71, '78MS**.

A Linda Berry '71, '74MA has been named vice president of instruction at Berkeley City College. Berry most recently served as Merritt College's vice president of instruction. After several years of teaching in the Orange Coast and Contra Costa community college districts, she joined the Peralta Community College District in 1991 as an English instructor at College of Alameda. In 1994, she was named Title III Project Director there, and in 1997 she became the college's dean of applied arts

and sciences. In addition to her degrees in English from Utah State University, she earned a doctorate from the community college leadership program at Oregon State University, Corvallis. She has resided in Berkeley since 1996.

A Steve Call '71, '75MM, professor of music and director of the Jazz Legacy Dixieland Band at Brigham Young University, has milked over 5 million hits on YouTube. The video by Call and his herd is also the online service's highest-rated jazz video. Since their meteoric jump over the moon, Call's New Orleans-style jazz band, The New Hot 5, has been featured and parodied on national TV programs, including *The Tonight Show with Jay Leno*,

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Conan, Today and *Good Morning America*. The newly famous Call lists USU's own Max Dalby, Alvin Wardle, Glen Fifield and Larry Smith as his old-time, but highly effective prodders. You can view the video — and, seriously, you'll want to view the video — at <http://www.youtube.com/watch?v=LXKDu6cdXLI>. That's Steve on the euphonium, churning and stirring and mooving audience hearts.

A George Birtic, a '72MS graduate in botany, attended Montana State and got certified to teach all areas of high school science. He taught at Lame Deer Public School for the next 32 years and retired in 2005. But in retirement, he realized he missed the students and teaching, so went back to the classroom and has been teaching traffic education at Bozeman Sr. High School since 2006. He enjoys it immensely, teaching 108 students a year to drive. He lives in Belgrade, Mont., and manages his own ranch near Ekalaka, Mont. He has no children of his own,

but says an 8-year-old godson, a member of the Northern Cheyenne Tribe in southeastern Montana, has become an important part of his life.

A Bliss '78, and Sharon Tew have been happily married for 39 years now. They make their home in Utah, but love to vacation in Newport Beach, Calif., each year. Son, Collin, was in the Air Force for six years and served in Kuwait and Iraq. They have two wonderful daughters and wonderful grandchildren as well. Bliss worked as a branch manager for Associates Financial Services, at Geneva Steel plant as mold train manager, as a salesman at RJR and at Surgikos, a J and J Company, as a sales representative and senior sales representative for a five-state territory. He's also served as a field coordinator over Utah and parts of Nevada and Wyoming and, since 2007, as a regional field director over as many as 15 states for The John Birch Society.

'80s

A Mark Dawson '81, a Sasaki principle, has been inducted into the ASLA Council of Fellows, among the highest honors a landscape architect may receive. The designation carries recognition of exceptional accomplishments over a sustained period of time. Dawson was nominated by the Boston Society of Landscape Architects in the Works Category. Dawson is known to synthesize award-winning designs that the public readily embraces. He serves on the executive committee of the Waterfront Center and Landscape Architectural Foundation. He is on the Board of Directors for the Watertown Boys and Girls Club. In the past he has participated as a member of Utah State University's College of Humanity Arts and Social Sciences Academic Advisor Council, was named a Distinguished Alum of the Department of Landscape Architecture at USU, and has lectured widely at colleges and universities. Dawson's father, Stuart

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IN MEMORIAM

Through February 15, 2012

'30s

James E. Carr '36, Feb. 10, UT
 R. Rex Dalley '37, Feb. 8, UT
 Maxine Frost (Redd) '39 Att, Dec. 31, UT
 Jean Hinton (Kendall) '37, Dec. 15, UT
 Eva Myrle Johnson '36, Jan. 9, UT
 Marguerite Kloepfer (Fonnesbeck) '37, Dec. 19, CA
 Nedra L. Mazuran (Anderson) '38, Jan. 1, UT
 Wendell J. Munk '39 Att, Dec. 30, UT
 Harris O. Van Orden '38, Jan. 5, UT
 Sylvan H. Wittwer '39, Jan. 20, UT

'40s

Gilbert Moroni Anderson '43 Att, Dec. 15, UT
 Jacquelyn Anderson (Geddes) '49, Jan. 16, UT
 Joseph A. Anderson, Jr. '47, Dec. 19, UT
 Nina Ballard (Richards) '41, Jan. 28, UT
 Helen Gardner Baumgartner '44 Att, Dec. 29, UT
 Clair L. Bello '44 Att, Nov. 26, UT
 Elaine S. Bingham (Siddoway) '44 Att, Apr. 7, MT
 Jane R. Broberg '43 Att, Nov. 27, UT
 Martha Brothersen '40, Jan. 23, UT
 Mario B. Bussio '48, Dec. 10, UT
 Melvin J. Campbell '49 Att, Jan. 14, UT
 Ward R. Clark '48, Jan. 15, UT
 Dale J. Clifford '49 Att, Nov. 22, UT
 George Conover '40 Att, Jan. 4, UT
 Mary Dunn (Call) '41 Att, Dec. 20, UT
 Leola Freeman (Whatcott) '48, Dec. 7, NV
 Betty Jane Gaynard (Adney) '45, Dec. 3, UT
 Dean Gerstner '43, Feb. 7, UT
 Westerdahl Gudmundson '40 Att, Nov. 16, CA
 Udean Larson Halgren '49, Nov. 23, UT
 Lorna Kesterson (Jolley) '48, Jan. 16, NV
 Joyce E. Marcy '48, Jan. 23, UT

LaRene McGregor (Freckleton) '49, Feb. 25, AZ
 Ruth S. Memmott '47, Jan. 18, UT
 Ivan R. Miller '49, '51MS, Dec. 18, ID
 Elizabeth M. Myers (MacKinnon) '48, Dec. 20, UT
 Cleone S. Nielsen '40, Dec. 16, ID
 Robert W. Petersen '47 Att, Apr. 16, OK
 Lew Pilkington '49, Nov. 29, UT
 Marjorie S. Reeve '40, Jan. 12, NJ
 Ira F. Roberts '44MS, Apr. 5, MN
 Richard B. Ryan '41, Jan. 13, CA
 Lorna Salisbury (Grix) '47, Nov. 13, UT
 William H. Shurtleff '40, Dec. 27, UT
 Iva Lou Stephens (Thompson) '47, Nov. 19, UT
 Dell E. Taylor '47, '47, Dec. 27, ID
 Janice Thompson (McKay) '47, Nov. 19, UT
 Jack W. Turner '41 Att, Jan. 4, UT
 Joseph H. VanSeters '47 Att, Jan. 15, UT
 Norma Watkins (Anderson) '48 Att, Dec. 25, UT
 Alice L. Wayman (Lewis) '45 Att, Nov. 16, UT
 Herbert N. Williams '41 Att, Dec. 14, ID
 William G. Woffinden '41, Dec. 8, ID

'50s

John Adams '52 Att, Dec. 13, AZ
 Raymond P. Adams '52, Dec. 11, CA
 Thomas R. Adams '57, Jan. 20, UT
 Marva G. Allen (Stevens) '51, Nov. 27, UT
 Boyd E. Andersen '51, Jan. 2, UT
 James S. Anderson '50, Dec. 27, UT
 Leland Bangerter '52, '69MIE, Dec. 31, UT
 Kimber Kunz Barlow '50, '67MED, Dec. 2, UT
 Patricia Brough (Pond) '51, Dec. 21, UT
 Eldon W. Burgess '53, Dec. 2, UT
 Harry Carleson, Jr. '55, Nov. 25, UT

O. Dawson, is a principal emeritus of Sasaki and also a member of the ASLA Council of Fellows. At the induction ceremony, Stuart Dawson presented his son with the award. Sasaki is a mid-sized integrated planning and design firm working throughout the United States and internationally from its studio in Boston.

'90s

A William Lensch '91 was appointed the Faculty Director of Education for the Harvard Stem Cell Institute in Cambridge, Mass., all thanks to working with great students like USU's own **Cody Tramp '10**, he says. Readers may well remember Lensch celebrating other USU ties in our Summer 2008 feature, *Hairy Tumors and the Rare 17th-Century Text*.

'00s

A Ashley Ferry '06 and Bryce S. Telford '07 are now Registrants of the National Registry of Certified Microbiologists (NRCM). The two individuals became certified as Registered Microbiologists in pharmaceutical and medical device microbiology. In earning the NRCM credential, Ferry and Telford separately met educational and experiential eligibility requirements and then passed comprehensive written examinations. The NRCM seeks to minimize risk to the public by identifying qualified microbiologists, encouraging mastery of microbiological knowledge and skills and by fostering professional pride in qualified microbiologists. Telford lives in Tremonton Utah. Ferry lives in Salt Lake City.



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IN MEMORIAM

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'70s

Howard M. Carlisle '50, Nov. 21, UT
James M. Carlson '53, '54MS, Nov. 17, UT
W. Doyle Cazier '50 Att, Feb. 3, UT
Darold Holroyd Chambers '58, Jan. 21, ID
Sheldon Crittenden '50 Att, Dec. 15, UT
Jay N. Fisher '52, Nov. 13, UT
Leonard Fleishman '51, Jul. 8, FL
Denice Greathouse '55, Feb. 9, UT
Ray M. Hall '57, Feb. 13, UT
Lawrence P. Hansen '54, Jan. 8, KS
Keith W. Hatch '59, '71MS, Dec. 27, UT
Jay P. Hawkes '52, '67MS, Feb. 3, UT
Marcia Haycock (Kirkham) '59, Nov. 1, OK
Jean N. Herrod (Nielsen) '50, '73MED,
Nov. 25, NV
Herbert M. Hillier '52, '70MS, Nov. 19, UT
Kenneth R. Howell '59 Att, Nov. 15, UT
Lee K. Kirk '52, Feb. 4, UT
Donald C. Laub '52, Feb. 2, UT
Earl L. Lindley '54, '57MS, Feb. 14, UT
Donald J. Lopez '56, Jul. 11, MI
Kenneth Wayne Madsen '51, Dec. 28, UT
Florence C. Matthews '57, Nov. 17, UT
Harold McElroy '53, Jan. 22, CA
Gayle S. Mendelkew '51 Att, Nov. 12, NV
John R. Molenda, Sr. '57MS, '65PHD,
Nov. 4, MD
Sybil Mary Olsen (Doxey) '50, Dec. 6, UT
Vincent T. Olson '55, Jan. 21, UT
Calvin B. Page '50 Att, Jan. 24, UT
Nelda Page (Archibald) '50, Feb. 12, AZ
Gene A. Peadar '56, Dec. 29, UT
Merlin J. Peterson '59, Jan. 25, UT
Arlo M. Rasmussen '54, Dec. 7, UT
Robert H. Richins '53, Oct. 19, WY
Uarda Call Romney '51 Att, Jan. 18, UT
Eugene Paul Ruetz '56, Jan. 4, WI
Melvin Reed Russell '58, '70MED,
Jan. 27, UT
Barbara Shearer (Israelsen) '56, Mar. 12, MT
Stanley M. Smoot '52 Att, Jan. 15, UT
Kenna Tanner (Kunzler) '50, Nov. 26, UT
Bruce Thurston '50, Feb. 6, UT
Grant Wagner '56, Dec. 28, UT
John A. Wenneberg '52, '61MS, '72EDD,
Nov. 23, UT
Russell Whitaker '56, '60MS, '76PHD,
Jan. 3, NV
Dee H. Wilcken '50, Nov. 28, UT

'60s

Jane W. Baer (Waldron) '65, Nov. 27, CO
Darvil K. Black '61, Dec. 11, ID
Fern L. Boyer (Jones) '63, Dec. 7, UT
Charles Dean Bright '61, '69MS, Jan. 8, WY
Barbara L. Campbell (Adams) '60 Att,
Jan. 7, UT
Jerry Lynn Green '63, Dec. 20, AZ
Donald W. Haskins '66 Att, Jan. 26, AZ
William J. Hoffmeier '63, Dec. 3, NH
Samuel J. Hughes '61, Jan. 2, OK
Waldon E. Isom '60, Nov. 27, UT
David S. Jones '64, Dec. 12, UT
Keith Justice '61PHD, Dec. 25, TX
William A. Larson '67, Oct. 23, ND
John K. Liang '68MS, Mar. 22, CA
Clendon W. Merrill '66 Att, Nov. 24, ID
Ruth J. Rice (Johnson) '65, '73MED,
Nov. 27, UT
Nadine S. Robison (Stapley) '63, Nov. 30
Dean R. Schank '63, '64MS, Jan. 12, NV
Sybil G. Scianna (Mander) '66, Dec. 18, UT
Myrla K. Stauffer (Allen) '62, Dec. 31, UT
Dallas T. Taylor '63, Dec. 31, UT
Karen G. Timothy (David) '65, Feb. 4
Joyce B. Williams '68, Dec. 20, UT

Jerry D. Allen '70, '73MFA, Jan. 17, PA
Joyce N. Allred '70, Jan. 5, ID
Marilyn Tebbs Bulkley '74 Att, Dec. 4, UT
Cindy Celaya (Weidman) '78 Att, Feb. 1, UT
Nathan T. Chappell '71 Att, Dec. 10, UT
Joyce M. Copp '74, '77MED, Dec. 8, UT
Steven C. Denton '75 Att, Dec. 14, UT
Paul Dunford '79, Dec. 5, CO
Sheldon R. Franson '70, Feb. 12, UT
Gregory Carrol Garcia '79, Feb. 3, CA
Corey Phillip Hansen '74 Att, Dec. 17, UT
D. Jeanne Huesemann '72MMA,
Nov. 14, MO
Harold Arlo Keene '75, Dec. 23, MT
Edward L. Lincoln '73MMA, Apr. 4, MI
Wayne M. McArthur '74, Feb. 7, UT
Thomas G. Osborne '72 Att, Jan. 25
Marilee A. Packer (Waite) '76 Att,
Dec. 14, UT
Jed B. Parkinson '79, Jan. 12, CA
Mary Helen Sibbett '70, Jan. 2, TN
Ada Carol Steenhoek (Pearson) '70MS,
Nov. 28, CA
Clifford Wilburn, Jr. '72 Att, Aug. 30, CA
Craig Yeates '70, Jan. 9, CA
Mondell E. Zollinger '72 Att, Jan. 13, UT

'80s

Janice H. Allen (Cashmore) '81MS,
Dec. 29, UT
Elsie G. Armenta '85, May 11, UT
Bryan A. Groom '84, '85MAC, Dec. 5, ID
Kunming Gwo '88MS, Apr. 25, WA
Kathleen R. Hess (Reeder) '83 Att, Nov. 26
Ronald J. Mathis '84MS, Jan. 3, OR
Dana L. Morris '80, Jan. 12, UT
Edith Ann Page '88MSS, Nov. 22, ID
Mark W. Seegmiller '89, Nov. 18, UT
Verl Dean Young '88 Att, Jun. 11
Linda Kay Zollinger (Russell) '80, Jan. 6, TX

'90s

Jill P. Hansen '92 Att, Jan. 2, UT
Yuko Johnson (Tokita) '93, Nov. 11, WA
Glen S. Kawa '96MED, Feb. 11, UT
Arlene Mitchell (Gould) '90 Att, Dec. 10
Patricia G. Widmer '95, Dec. 28, ID
Christine Wright (Kemp) '90MED,
Nov. 15, UT

'2000s

Sheryl W. Eggett '06MED, Dec. 18, UT
Juan R. Navarrete '03, '07MS, Dec. 29, UT
Sarah A. Songer '04, Dec. 28, UT

'2020s

Tanner R. Adams '10 Att, Feb. 9
Tyler John Adams '14 Att, Feb. 1, UT
Robert J. Barnett '10 Att, Dec. 30, UT
Lynn M. Whitaker '10 Att, Jan. 10, UT
Attendees
Jason Ray Workman Aug. 6, UT
John Franklin Abbott Att, Nov. 21
Nelda Elaine Anderson (Huber) Att, Feb. 5
Suzanne A. Archibald (Allen) Att, Dec. 17
William L. Austin Att, Nov. 19
Gordon Clyde Birk Att, Feb. 4
Caroline N. Black (Nielsen) Att, Jan. 30

Patricia Joanne Blackburn Att, Dec. 19
Robert Bosch Att, Nov. 16
Carol D. Bostrom Att, Jan. 31
Charles Vincent Bradshaw Att, Dec. 21
John Charl Brown Att, Dec. 24
Pearl Carstensen Att, Nov. 21
Jolean D. Casperson (Dalton) Att, Nov. 30
Oris Kaa Cook Att, Jan. 20
Judy McDonald Coy Att, Dec. 21
Iris N. Dalton (Nance) Att, Dec. 18
Claudia A. Davenport (Lamping) Att,
Dec. 9
Norman L. Day Att, Jan. 15
Vicki Ann Doporto (Ruesch) Att, Dec. 28
Donna L. Edlefsen Att, Dec. 9
JoAnn Edmunds Att, Nov. 14
LaMont Ekker Att, Jan. 20
Janice Fisher Esplin Att, Dec. 27
Ann Fullwood (Price) Att, Dec. 30
Vica H. Germer Att, Feb. 9
Gene H. Hendrickson Att, Dec. 29
Redge J. Hermansen Att, Jan. 27
Jenae Hunsaker (Stenquist) Att, Jan. 17, UT
Ingrid Jefferson Att, Nov. 18
Wendy W. Johnson (Winkler) Att, Jan. 20
Naomi S. Keetch (Steele) Att, Jan. 10
Jim Henry Kolster Att, Nov. 28
Leon Laursen Att, Dec. 30
Colonel Dallas M. Liddle Att, Jan. 21
Priscilla A. Marsh (Alden) Att, Jan. 25
Kenneth Luman Mecham Att, Jan. 10
Nannette Miller Att, Nov. 13
Richard W. Miller Att, Jan. 6
Melvin Mitton Att, Jan. 28
J. Wesley Morrill Att, Dec. 15
Kenneth Peter Neilson Att, Dec. 15
Keith Melvin Oborn Att, Jan. 3
Jenean D. Osiek (Crawford) Att, Jan. 9
Steven Lee Payton Att, Nov. 18
Shirley Peak Att, Nov. 14
Herbert H. Pitchforth Att, Nov. 26
Raymond Sanchez Att, Jan. 3
Reed Charles Sparks Att, Jan. 21
Ora Z. Thompson Att, Nov. 23
Dale H. Thurston Att, Jan. 16
Bradley Jay Udy Att, Dec. 17
Rodney L. Wells Att, Dec. 7
Beverly J. Wiles Att, Dec. 1

Friends

E. Albertson Apr. 22, WY
Carl J. Allan Dec. 10, UT
Keith Anderson Jan. 25, UT
Evelyn G. Bass Dec. 13, WY
Lillian M. Bendio Dec. 9, UT
Philip Betz Feb. 11, UT
Fred Bleil Sept. 26, TX
David Bolda Feb. 2, UT
Bo Bolinger Aug. 5
Gary J. Burt Dec. 3, UT
Teresa Call Dec. 31, UT
Evan S. Callister Feb. 13, UT
Beatrice Carlquist Dec. 26, UT
Bonnie Carpenter Jan. 6, UT
Betty J. Castleton Feb. 12, UT
Boyd B. Christensen Jan. 27, UT
Shannon Cloward Dec. 2, UT
Robert B. Cluff Feb. 9, UT
Rev. Thomas L. Culletton Nov. 30, UT
Marvin Cummings Nov. 17, UT
Sarah Daines Feb. 10, UT
Lillian Draper Jan. 22, UT
Troy Earl Dec. 30, UT
Janet Evans Nov. 13, UT
Robert C. Evans Dec. 12, UT
Evelyn J. Farnsworth Jan. 31, UT
Skip Flinders Nov. 21, UT
Marlin C. Galbraith Jan. 19
Beverly Gardiner Jan. 22, UT
Lorenzo P. Griffith Dec. 19, ID
Stewart C. Harvey Feb. 20, UT
Gwendon Hatch Nov. 21, UT
Joseph L. Henriod Nov. 15, UT
Helen H. Horsley Dec. 5, UT
James Iverson Apr. 13, CA
Rebecca Jacobs Jan. 19, UT
Lamar Jenkins Nov. 16, UT
Elaine L. Johnson Jan. 10, UT
Vivian Irene Johnson Dec. 31, UT
Lois Wolfe Jones Jan. 23, UT
David Kasteler Nov. 18, UT
Connie Katz Jan. 25, UT
David Katz Dec. 22, UT
Lynn S. Kearsley Oct. 21, ID
Ruth H. Kearsley Mar. 21, ID
Willard S. Knighton Dec. 7, UT
Kathleen Larson Dec. 3, UT
Allen R. Law Dec. 15, UT
Dale C. LeCheminant Feb. 4, UT
Kathleen K. Lindsay (Kohler) Dec. 9, UT
Jeffrey J. Manley Jan. 10, UT
Naoma Marley Dec. 25, UT
Robert L. Marquardt Jan. 14, UT
Amanda A. Mayo Nov. 19, UT
James A. Meikle Jan. 13, UT
Shirl Mitchell Jan. 27, UT
David L. Murray Dec. 23, UT
DeEsta H. Naylor Dec. 29
Deborah K. O'Dell Dec. 28, UT
Clyde P. Okerlund Dec. 7, UT
Richard K. Olsen Jan. 12, UT
Rose T. Orrell (Toson) Feb. 10, UT
Roland G. Palmer Dec. 18, UT
Calvin Pehron Nov. 22, UT
Agi Plenck Dec. 31, UT
Henry Plenck Mar. 17, UT
Dorothy N. Pope Nov. 28, UT
Harry Reed Dec. 17, UT
Audrea Kay Rees Dec. 5, UT
E. Floyd Ross Aug. 27, CA
Taylor Sauer Jan. 14, ID
Lyle H. Saxton Dec. 20, UT
Vonetta S. Searle (Schanno) Jan. 28, WA
Richard Skankey Feb. 3, UT
Vera A. Stewart Jan. 18, UT
Janet E. Teerlink Dec. 16
Dan F. Thacker Dec. 15, UT
Ralph J. Thomson Dec. 23, UT
Elaine Tirabassi Feb. 6, TX
C. Wade Tucker Nov. 27, UT
Grant Wadman Nov. 17, UT
Gary Watanabe Jan. 20, UT
Jean Anne Waterstradt Dec. 10, UT
William R. Wright Jan. 13, UT
Jeffrey Young Mar. 1, UT
Norma Zimmer May 10, UT

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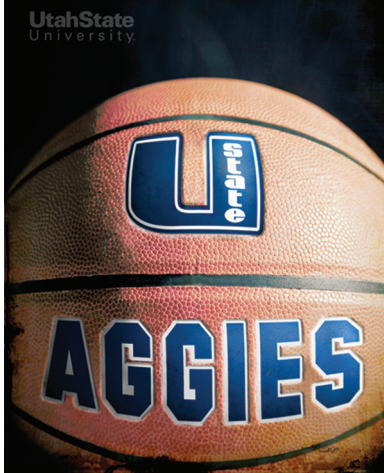
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 MEN OF NAVY BLUE AND WHITE, FIGHT! FIGHT! FIGHT!
 UTAH STATE IS OUT TO WIN! WIN! WIN!
 THE MIGHTY AGGIES ROLL ON AND ROLL ON FOREVER
 MAKE THAT SCORE, YOU MEN OF UTAH STATE!
 AND FIGHT! FIGHT! FIGHT! YOU MEN OF UTAH STATE
 TRUE AGGIES NEVER FALL WE BET YOU
 TAKE 'EM ALL FOR OLD NAVY BLUE AND WHITE! RAH! RAH! RAH!

