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UTAH STATE

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VOL. 20, NO. 4 WINTER 2015



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UTAH STATE

Vol. 20, No. 4 | **WINTER 2015**
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2 NEWS@USU

“I’ve taught with all of my soul and all of my passion and all of my heart. I’ve never wanted to do it in a half-way fashion,” says Leonard Rosenband. And so, a huge national recognition comes his way and students are changed forever.

Go figure.

5 NEWS@USU

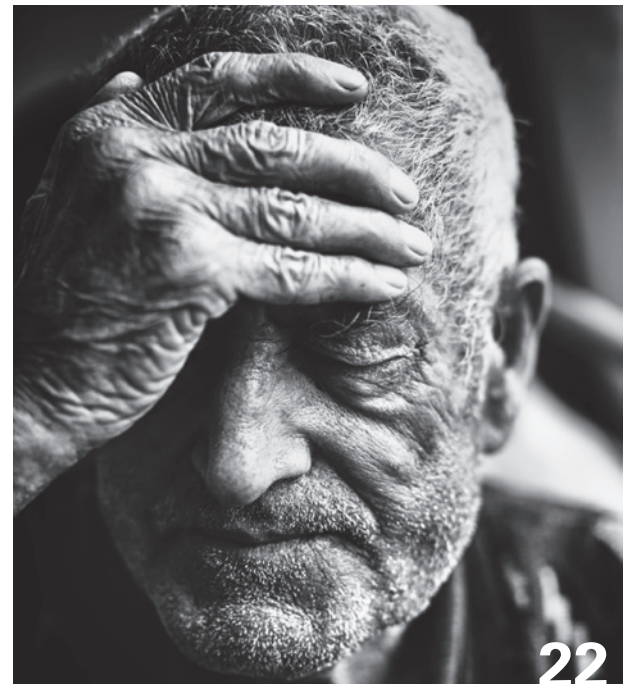
He pedaled through 100 cities, meeting 100 entrepreneurs. Now Michael Glauser, executive director of the Jeffrey D. Clark Center for Entrepreneurship is sharing with his students in the Jon M. Huntsman School of Business the common threads he found in some fascinating interviews with the people he met. What a ride.

28 LIVING IN THE NUMBERS

What do all the scholarships, programs, donors, buildings and opportunities in research really mean? Countless smiles, it turns out — and proof of Utah State University’s undeniable Power to Change for Good.

A GROWING RISK 22

Utah and the West will likely see the biggest increase in Alzheimer’s disease. Maria Norton and others at USU are searching for the biggest breakthroughs. “We simply cannot afford to just hope and wait for a cure,” Norton says. And there are things we can all do. Meanwhile, the ‘Silver Tsunami’ builds.



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ON THE COVER

Areon, happy on the job coordinated through USU’s Employability Clinic, just one service in dozens offered through the Emma Eccles Jones College of Education and Human Services. Donna Barry, University photographer.



Leonard Rosenband: An official USU — and American Historical Association — life changer.
Donna Barry, University photographer

And the Rest is History

Leonard Rosenband, professor of history in Utah State University’s College of Humanities and Social Sciences, has strong feelings about teaching.

“I care about the classroom,” he said. “And I’ve taught with all of my soul and all of my passion and all of my heart. I’ve never wanted to do it in a half-way fashion.”

With such sincere dedication, it’s no wonder Rosenband recently was announced as the recipient of the 2014 *Nancy Lyman Roelker Mentorship Award*. The award honors “teachers of history who taught, guided and inspired their students in a way that changed their lives.”

“If I do have a teaching philosophy, it’s one sentence. I try to help students to do better with their minds; to think more clearly and more profoundly than they ever imagined they were capable of.”

The honor, a national award presented by the American Historical Association, is bestowed on a three-year cycle that rewards in turn, graduate mentors (including combined graduate and undergraduate teaching); secondary school teachers; and undergraduate mentors (both two- and four-year colleges), for which Rosenband won.

Of course, many educators have lofty teaching aspirations, but for Rosenband they are a given. Former students speak of a passion for history brought into the classroom each and every day ... unfailingly. But Rosenband is humble about his ability to connect with students and make the long ago lives of historical figures become real and immediate to 21st century students.

“The only physical apparatus I use in the classroom is a map,” he explained. “Otherwise I use my learning and the power of narrative. Narrative is the great strength that historians have at their disposal.”

Rosenband’s narrative, however, does not consist of standing behind a lectern spouting historical timelines.

“It’s common to see his six-and-a-half-foot frame, shoes removed, practically dancing across the front of the room as he explains a concept,” said Tammy Proctor, head of

USU’s College of Humanities and Social Science’s Department of History.

Rosenband explains simply that he is “passionate” about the things he teaches.

“I try to teach what it was like to live for the vast majority of the population in the past,” he said. “Whether they were liquidated in the Holocaust, fought in the trenches in World War I, labored 12 hours a day, six days a week in early factories, or survived giving birth, that’s what I talk about.”

And although modern teaching philosophies may be elaborate, steeped in intricate theoretical notions and dusted with psychological insights, Rosenband’s teaching philosophy — or lack of philosophy — is simple.

“If I do have a teaching philosophy, it’s one sentence,” he said. “I try to help students to do better with their minds; to think more clearly and more profoundly than they ever imagined they were capable of.”

Rosenband will retire from teaching this year to concentrate on writing. “Teaching is editing. Taking the vast amount of knowledge that every scholar has and fitting it into a very compressed amount of time,” Rosenband explained. “Writing is teasing out. And I can’t do the two mindsets together.”

“Professor Rosenband is an excellent example of a high caliber scholar/teacher,” said John Allen, dean of USU’s College of Humanities and Social Sciences. “He represents our continual goal to hire high quality scholars who have excellent teaching skills. We are very fortunate that professor Rosenband chose USU to make his career.”

— Kristin Middaugh ’06

Crowning Achievement: USU's Karlie Major

Crowned Miss Cache Valley and then in June, Miss Utah, so midway through her reign now and since she's already experienced being a contestant at Miss America, already finished with the competition portion of her *BIGGEST YEAR EVER*, is suddenly looking forward to spending her remaining time "focused on community service and involvement."

And what surprised her about being a contestant at Miss America? "A lot of times you will hear horror stories about competing on a national level," she said. "I was concerned about dresses going missing, stolen jewelry, and lots of drama, but I was completely wrong. The other 52 Miss America contestants were some of the kindest, smartest, most talented ladies I've ever met, and they became some of my very best friends." Who knew?

And the biggest challenge? "The physical exertion!" Hands down. Most people just don't realize the time and energy required in preparing for and being a state title-holder, she said. "I had no idea either." But then it comes: hours every day studying current events and politics, three or four mock interviews a week, practicing her dance for talent, meeting with directors and choreographers, practicing walking for heaven's sake, visiting with sponsors, finding wardrobe and, in the middle of all that, trying to give the stuff she really cares about — promoting that platform, visiting the schools and spending time with youth groups — her top attention and energy. "Sometimes, I'd even get to sleep," she said.

And speaking of that platform: putting it out there for everybody to consider, for the entire world to analyze and debate, maybe chew on, comes after a six-month stint working in an eating disorder recovery center. "I knew this was an issue I wanted to address," she said. And so was launched *Get Real: Using Media Smarts to Promote a Positive Body Image*, a focused campaign addressing how digital manipulation and media's portrayal of the "ideal" body type has messed with our percep-

tion of a healthy body image. It can lead to some pretty serious stuff: unhealthy body images, eating disorders, low self-esteem and confidence, depression, anxiety. We've got to do something she said. "My hopes are that through early education, we can prevent the youth from taking drastic and dangerous measures to achieving these unrealistic and un-human looks."

And she's become more flexible in scheduling, has really come to appreciate the simple things — time with her family and her dogs and returning home to Cache Valley whenever she can for a milkshake at Charlie's — and is flat out stunned by the doors that have been opened. "One that I am particularly excited about is a humanitarian trip to Africa, Burkina Faso, this spring," she says. This after contestants for Miss Utah were required to collect 1,000 pair of used shoes to donate to the Shoes for Love foundation, but — with the humbling help of family and community — she collected over 12,000 pairs instead.

And there's a Team Karlie now, a business manager and travel companion, two directors, several board members and

"MY HOPES ARE THAT THROUGH EARLY EDUCATION, WE CAN PREVENT THE YOUTH FROM TAKING DRASTIC AND DANGEROUS MEASURES TO ACHIEVING THESE UNREALISTIC AND UN-HUMAN LOOKS."

one very supportive family. And then the upcoming social media campaign #Get-RealUtah, and the school tour beginning in January, and involvement with Ski Utah and the program's passport days, and Beaver Mountain's 75th anniversary celebration and, after the next Miss Utah is crowned June 20, 2015, a quite return to Utah State University, where she'll be just Karlie, again, a junior in communications and marketing with an emphasis in French and a dream of pursuing a master's in public relations.

And what a year. Who *really* knew?



USU junior Karlie Major: Miss Utah



The Road Ahead: USU at Forefront in Powering New Transportation

The automobile-roadway transportation industry has advanced dramatically since it was created over 100 years ago through advancements in internal combustion engines, mass production, and improvements in highway construction. Continued advancements in the automobile-highway system have brought about great improvements in speed, safety, comfort and convenience. However, the basic model of having a gasoline-powered vehicle that carries its fuel with it has only recently been altered as all-electric cars have made limited inroads into public use. A new model of transportation, one based on an integrated and electrified vehicle-roadway system, is taking place. Utah State University is becoming a globally recognized leader in making contributions to that transformation.

The Technologies

Perhaps nothing has become such an essential part of modern life as electricity and electronic devices. From cell phones to medical equipment, our lifestyles, and sometimes our lives, depend upon them. As a means for transmitting energy, electricity has proven to be efficient, convenient, and safe while the applications and impacts continue to grow.

Researchers worldwide, including a team at USU, are exploring new approaches and developing new devices for converting, managing, and, in some cases, wirelessly transferring electricity in high-power applications.

Early work in this area at USU focused on stationary charging of vehicles beginning with the successful development of the wirelessly charged Aggie Bus. Technologies for stationary charging developed for the Aggie Bus were licensed to a USU spin-off company, WAVE, Inc. About that same time, Dr. Regan Zane was brought to USU as a USTAR Professor, and the Power Electronics Laboratory at USU was created. Dr. Zeljko Pantic and a cadre of post docs as well as graduate and undergraduate students have joined the team. Following are this team's current key efforts.

Battery Management Systems and Power Conversion Electronics

While household applications of batteries can be managed with a simple ON-OFF switch, applications for battery packs in electric vehicles, power grid management, and defense applications involve high power and costs as well as require high reliability and safety. Such uses require sophisticated battery management systems that extend the life

and enhance the safety of the battery pack by intelligently managing the charging and discharging of each battery or cell in the pack. USU is developing an advanced battery management system (architecture, devices, and software) with the goal of extending battery life by 20 percent and/or reducing cost, all while increasing reliability and safety.

In-motion Charging for Transportation Electrification — A Transformational Approach

USU is at the forefront of a new electrification transformation—this time for transportation. The USU team is leading and working with other teams—both in the United States and internationally—to create a vehicle-roadway transportation system using charged electric vehicles powered from the roadway. This concept would take the energy to the vehicle (the point of use) much like electrical wiring took the energy to the point of use (each light bulb). When vehicles can be freed from having to carry their power with them another great transformation will take place.

The USU team foresees in-motion wirelessly charged electric vehicles that cost 30 percent less to purchase and 75 percent less to operate than their conventional, gasoline-powered counterparts.

The Electric Vehicle and Roadway (EVR) Research Facility and Test Track

Technological transformations as broad as the one described here require extensive experimental development and validation under realistic conditions. In order to do that, USU has agreed to fund the *Electric Vehicle and Roadway (EVR) Research Facility and Test Track*. The facility will include a 4,800 sq ft high-bay research building and an adjacent electrified outdoor 1,300 foot test track to demonstrate wireless power charging for vehicles while they are in motion. The EVR broke ground in fall 2014 and is expected to be completed by spring 2015. It will be the only facility like it in the nation.

— Kate Astle '11 and
Doug Lemon '74, '73 Ph.D.



Professor Mike Glauser at Yorktown, Va., the last stop on his cross-country odyssey of entrepreneurs. Photo courtesy of Mike Glauser.

Pedal-Powered Enlightenment

You spend your summer riding your bicycle across the country, you interview 100 entrepreneurs in 100 cities and guess what you come back with? Fascinating, captivating, passion-filled insights to share with your Utah State University students in the Jeffrey D. Clark Center for Entrepreneurship and the Jon M. Huntsman School of Business, students who just happen to be already tuned into, nourished by — maybe even thriving on — those very same adjectives.

Could exposure to real-world concepts and learning get any better than this?

Michael Glauser, executive director of the Jeffrey D. Clark Center for Entrepreneurship and clinical professor of management in the Jon M. Huntsman School of Business at Utah State University, met his share of entrepreneurs out on the road this summer. That was always the plan. But in doing so he also interviewed a richly diverse group of business and community makers, and in their stories started seeing common threads.

“Not one of them followed the (build-it fast, raise-more-capital, create 1000s of jobs, maybe-cash-it-out) Silicon Valley approach,” Glauser says. “Rather, they found a desirable location where they wanted to live; they found a need in the community they were uniquely qualified to fill; they used a host of resources

“NOT ONE OF THEM FOLLOWED THE SILICON VALLEY APPROACH. RATHER, THEY FOUND A DESIRABLE LOCATION WHERE THEY WANTED TO LIVE; THEY FOUND A NEED IN THE COMMUNITY THEY WERE UNIQUELY QUALIFIED TO FILL; THEY USED A HOST OF RESOURCES OTHER THAN MONEY TO GET STARTED; AND THEY DIVERSIFIED THEIR PRODUCTS BASED ON INTIMATE INTERACTIONS WITH THEIR CUSTOMERS.”

other than money to get started; and they diversified their products based on intimate interactions with their customers.”

The range and diversity of the businesses and leaders represented in Glauser’s interviews caught the attention of several national media outlets this summer. But the bigger payoff might just be found in the videos of those interviews now available for viewing — even to those of us who didn’t pedal coast to coast.

Visit mynewenterprise.com to watch the interviews and read more, or see the fall issue of *Huntsman Alumni Magazine*. Education. What a trip.



The newly opened Morty's Café, just north of Old Main and overlooking Darwin Avenue and Cache Valley. Aerial photograph by Jeremy Jensen.



On Napkins and Life Shifts ...

Who knows what portion of a given Aggie's most cherished Utah State University memories have actually taken place not actually on a Utah State University campus? We're talking about student life on the periphery, in the corners, or even slightly beyond official boundaries on official maps. How many napkin-plotted ideas over pizza have launched theses ... or ventures? How many first-dates over ice cream have morphed into Awesome Aggie grandchildren? How many intellectual breakthroughs, soul-affirming epiphanies or maybe even changes in major courses of study have occurred? How many lifelong friendships have sprouted — maybe even been reinforced year after year — in these places? Morty's Café recently opened on the corner of Logan's famed Darwin Avenue, within just a few longboard kicks of Old Main. Not too long before that, the restaurants at Blue Square opened within a fight-song echo of Romney Stadium. Back in the day it was The Bluebird; even now it's Fredrico's. And so we're asking: What are your Aggie memories of these places and others like them? Old or new, what do they mean to you?

FRICTION

#TEDxUSU

TEDxUSU: Friction

A sold-out Caine Performance Hall hosted TEDxUSU: Friction in late October. The event included 19 presentations, performances and recordings packed into one half-day conference and represented the most thought-provoking content the TEDxUSU team could curate, showcasing a commitment to “ideas worth spreading.”

This year’s program was divided into three sessions. The first and third session were headlined by Olympic silver medalist Noelle Pikus Pace and award-winning author Orson Scott Card and featured talks given by Utah State faculty and students.

New this year was an interactive second session where attendees mingled with TEDxUSU speakers, networked with fellow audience members, viewed innovative exhibits and presentations and helped create artistic compositions.

But here’s maybe the most important thing now to remember about this year’s event: the coveted videos of the presentations — all polished up and ready for deeper consideration — will truly become “ideas worth spreading” in late November or early December from TEDx.usu.edu.



NOELLE PIKUS PACE
2014 Sochi Winter Olympics silver medalist



DAVID BROWN
No more M in STEM



DENNISE GACKSTETTER
Body, breath, release



MATTHEW LAPLANTE
Why Superman must die so Clark Kent may live



JAROD RAITHEL
To hold infinity in the palm of your hand



MELANIE M. DOMENECH RODRIGUEZ
No way but through

TEDxUSU

x = independently organized TED event



DEBORAH FIELDS
Tween activism in a virtual world



LINDSEY SHIRLEY
A journey behind the seams



JASON QUINN
If your tires could talk



JENNA GLOVER
Do you live an energy efficient life?



JASON NICHOLSON
Assistant professor of percussion



ORSON SCOTT CARD
"New York Times" best-selling author



DAWN & HAWKES
Austin-based indie-folk duo featured on NBC's "The Voice"



NICOLE MARTINEAU
Picking up STEAM



EVELYN FUNDA
Farming is the new sexy



JIM DAVIS
Building trust



The REEL DEAL

USU influence threaded throughout Logan Film Festival

IN SOME WAYS, LOGAN IS A TYPICAL COLLEGE TOWN. Its location is certainly a calling card, and it has been touted in a number of national rankings and lists — a 2012 No. 3 in the list of top 10 college towns by Livability.com as well as another 2012 score as one of the “Best Underrated College Towns” by Maria Minsker of Cornell University in her “Best Underrated College Towns” list.

That said, there’s always the plaintive cry “there’s nothing to do in Logan.”

That sentiment might be proffered by some, but to those in the know, there are plenty of gems tucked away, or better, in plain sight, for students, faculty and members of the community to enjoy. The arts scene is front and center with more activities than one can count — often with multiple offerings on the same date and an amazing array of disciplines represented.

Enter the Logan Film Festival, which, although young, is finding its legs thanks to the inspiration of a former Utah State University faculty member and a number of dedicated and talented former students and graduates. And if you ask those involved, it has a promising future.



When Tyler Woodbury entered Utah State University after he earned an associate’s degree at the College of Eastern Utah (now Utah State University Eastern) he began his educational journey studying graphic design and music composi-



USU’s late, great Alan Hashimoto; an early force behind the Logan Film Festival.

tion, and he had some experience doing online short films — for fun. Like many students at USU, he was looking for a job as well and was fortunate to find work with Preston Parker, currently a lecturer of communication studies in the Department of Languages, Philosophy and Communication Studies. Meeting and working with Parker was the impetus for him to look for more film-related courses since he wanted to study film production but there wasn't a formal program at the university.

So Woodbury, a soft-spoken but focused young man, stepped up and started taking a variety of classes to provide a foundation for what he wanted to do. And he sure didn't limit himself. He took a folklore course to learn about storytelling. He took a technical class in theater to learn about lighting and, like many, he found himself in the art department where he was drawn to dynamo Alan Hashimoto, who turned out to be a mentor to Woodbury and many other students interested in video and film. Before he graduated he established his own production company, Woodbury Productions, and with a group of fellow students worked with Hashimoto in the early days of the film festival.

By 2012, with plenty of real-world experience under his belt, Woodbury earned his degree in interdisciplinary studies — with an emphasis in film studies — something he was able to do by working closely with Mary Leavitt in the College of Humanities and Social Sciences' advising center.

While the Logan Film Festival just marked its third official year, there were several predecessors that led, indirectly, to its birth. There was the Reel-to-Reel Festival at Utah State University that was sponsored by the Utah State Film Club, a group resurrected by Woodbury. It provided a place for budding student and local filmmakers to show their works.

There was the Fringe Festival, a contest for filmmakers, first established by USU's School of the Arts before it



Still from "Barrel to the Head," winner, Documentary Short.



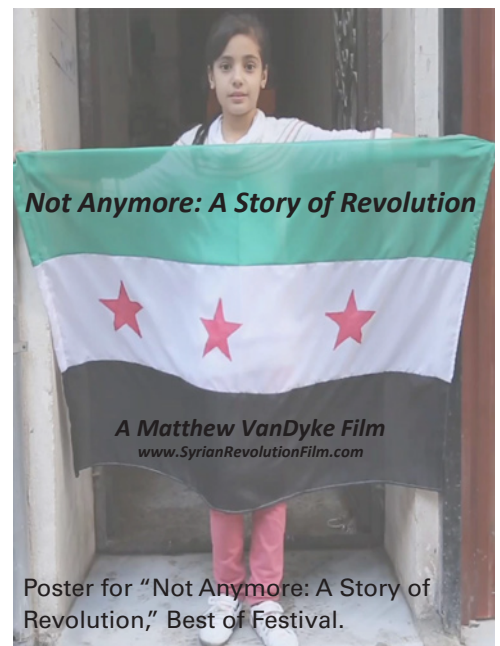
Still from "Blue," winner, Animated Film.

became the Caine College of the Arts. There was plenty of interest in these early festivals but, for those who knew Hashimoto, there is no surprise that he thought there was more — that something could become bigger. Much, much bigger. Thus the birth of the Logan Film Festival. And, from all sides, there is agreement that Hashimoto was the driving force for the festival.

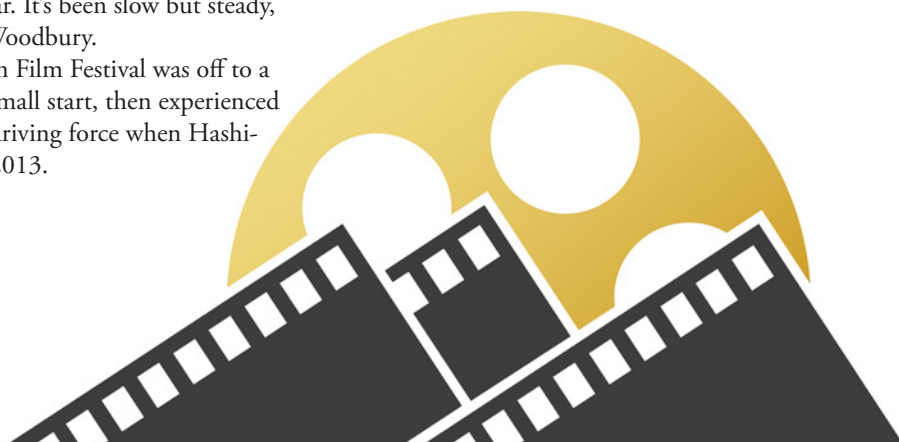
"Alan saw the opportunity and the interest to develop a bigger film festival," said Woodbury when discussing the creation and early days of the newly christened Logan Film Festival. "One of Alan's gifts was to bring people together and make connections between the academic community and professionals. Networking was very important and something valuable that he brought to the table."

An objective was to provide opportunities to local artists while also bringing independent filmmakers to Logan. The Utah Film Commission took note of the festival that year and has been supportive since, encouraging the fledgling festival in Logan to establish its base and grow, and it has every year. It's been slow but steady, according to Woodbury.

The Logan Film Festival was off to a promising, if small start, then experienced the loss of its driving force when Hashimoto died in 2013.



Poster for "Not Anymore: A Story of Revolution," Best of Festival.



“WE’VE GOT THE BEAUTIFUL SCENERY

AND MANY TALENTED ARTISTS WHO

WILL COME TO LOGAN FOR THE

FESTIVAL...”

—Mason Johnson



Following Hashimoto’s death, a handful of former students and filmmakers stepped in to guide the festival, including Woodbury and Mason Johnson, among others. The festival has evolved and is governed by a board, many of them former USU students. The Utah State Film Club is involved in a variety of ways, continuing a connection to campus. The festival marked its third anniversary in September 2014 when it moved from its traditional spring schedule, a change aimed at including more students — both as viewers and as filmmakers.

And although the festival under the moniker of Logan Film Festival is only three years old, it’s developing into the little festival that could. That objective of including more students? This year saw a five-fold increase over previous years, Mason Johnson said.

“Our target audience is everyone — from students to seniors,” said Johnson.

“We had a huge student increase this year with our switch to a fall festival rather than the spring. It worked well for us. We want everyone to enjoy the festival.”

With his enthusiasm, Johnson could go to work for the Visitor’s Center or Tourist Bureau. He’s dedicated to the festival and its home — Logan. He studied at USU, transferred briefly to UNLV’s film school, but returned to Cache Valley where he now has a production company, Klepticenter Productions.

“We are a film festival that wants to provide an avenue and resource for people to come and experience art, experience artist expression through independent film,” he said. “We’ve got a cool downtown location in northern Utah with a lot of charm.”

An advantage Logan has over other festivals, including the well-known event held annually in Park City, is that Logan offers something many other sites cannot, four theaters within a one-square block. That makes the venues for the Logan Film Festival extremely convenient, and parking is easy.

There were slight adjustments made to the 2014 venues because USU’s Caine Lyric Theatre wasn’t available, but that jewel of a Victorian playhouse will return. Those attending the 2014 festival saw a variety of films at the stately Ellen Eccles

Theatre and at the Dansante Theatre. Panel discussions and other presentations were offered at Death Ray Comics, a local business owned by Trent Hunsaker. And looking ahead, the four possible venues mentioned by Johnson within that one-block area are the Ellen Eccles Theatre, the Caine Lyric Theatre, the Dansante Theatre and, possibly, when renovations are complete, the Utah Theatre. Those venues, made available by the Utah Festival Opera and Musical Theatre, Utah State University and the City of Logan, certainly make the festival accessible. Shuttle buses? Not needed at the Logan Film Festival.



Those unfamiliar with the Logan Film Festival may be surprised by the range of offerings scattered over its three-day schedule. There were seven categories, including narrative features, narrative shorts, documentary feature and shorts, a student category, animated films and a category for local submissions. It is truly an international festival with past submissions coming from Russia, Italy, South Korea, Australia and Europe. It’s grown by leaps and bounds since its early days featuring student-made shorts. The



BEFORE I BURN

festival now features a range of offerings and a chance to see independent films that won't otherwise be available in Cache Valley.

Johnson and Woodbury say there were well over 150 films submitted this year and of those, nearly 50 were feature length. Initial pre-screenings by community volunteers and members of the festival's board take place before the films are passed along to a panel of jurors who select the "best of the best" from each category. Those works were offered at screenings, many with discussions following.

For entries, the Logan Film Festival takes advantage of several online submission sites but also accepts entries by mail and entry forms. The online sites allow filmmakers from around the globe to learn about the festival.

University photographer Donna Barry has been a supporter and audience member at the festival for two years, now. She first attended in 2013 when it was dedicated to Hashimoto, saying she attended out of respect to him, his family and his students. Once she got there, however, she discovered there were more than 40 independent films from local, national and international filmmakers.

"I realized the Logan Film Festival was the real deal," she said.



DIRECTED BY JOEL ADDAMS

TAO FEATURE FILMS PRESENTS BEFORE I BURN IN ASSOCIATION WITH TBI

AS ASSISTED BY DAVID SHAKLETON/SEAN YANCEY

A CARDON PRODUCED BY TAO FEATURE FILMS

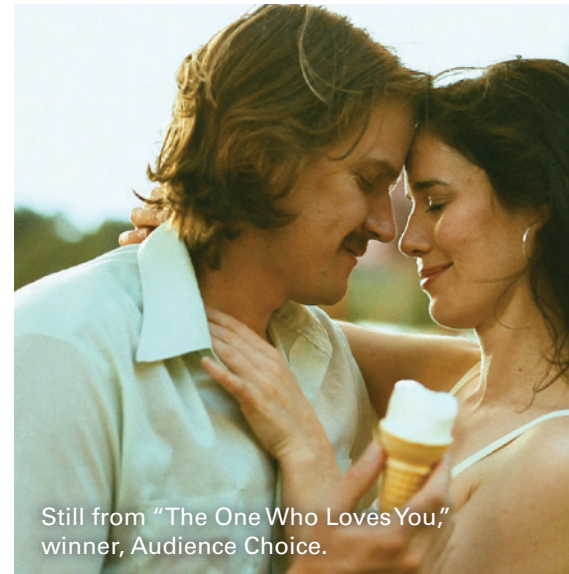
Poster for "Before I Burn," winner, Documentary Feature.



Still from "Young Americans," winner, Student Film.



Poster for "Jueves," winner Narrative Short.



Still from "The One Who Loves You," winner, Audience Choice.

In 2014 Barry took advantage of the festival's well-designed website, created by Woodbury Productions. The site included complete festival information as well as descriptions and trailers for the films.

"I made a point to visit the website, read about the films and put together a game plan," she said. "With easy walking between downtown venues and a \$20 all-access pass, the film festival is a local gem. As an audience member I appreciate the Q & A sessions with filmmakers. As committed artists sharing their work, the candid discussions can be thought-provoking and certainly entertaining."

Nearly 70 filmmakers attended the festival in 2014.

A 2014 first-time festival supporter is Cache Valley resident Paige Pagnucco, who attended viewings on her own and with friends, but also accompanied her daughters and a friend — think 9-year-olds — to screenings of four shorts by local filmmakers. She too took advantage of the festival's website in making plans for what to see. She said the younger viewers were very honest in their responses.

"They were engaged to some degree in all of the films," Pagnucco said. "They were very honest about what they liked and what they didn't. The shorter films with lighter themes and content were easier for them to watch and connect with. They all showed an interest and want to come back."

Pagnucco also offers a tip to the festival's organizers. Offer a selection of

"MY DAUGHTERS GET ENOUGH THROUGH SPORTS AND SCHOOL ACTIVITIES BUT THE FILM FESTIVAL IS A RARE RESOURCE THAT OPENS UP THEIR EYES TO LIFE AND SITUATIONS BEYOND THE PHYSICAL BOUNDARIES OF CACHE VALLEY."

— Paige Pagnucco



short films specifically for a younger audience as a way to get new, younger viewers involved.

“My daughters get enough through sports and school activities but the film festival is a rare resource that opens up their eyes to life and situations beyond the physical boundaries of Cache Valley,” she said.



Both Johnson and Woodbury are enthusiastic about the festival's future. They look for continued growth and for the recognition that the festival is a full-blown, legitimate independent film festival. They see it as something that truly brands Logan, just as the festival's sister down the road has branded Park City. They want it to put Logan and filmmaking on the arts map.

“We've got the beautiful scenery and many talented artists who will come to Logan for the festival,” Johnson said. “Our local filmmakers deserve a voice as well. There is a culture in Logan that shouldn't be ignored. Everyone is welcome here.”

Perhaps Barry sums it up best when she repeats what Hunsaker said at the 2014 awards presentation, noting that the festival will always honor the memory of Alan Hashimoto.

“The best way to celebrate the Logan Film Festival is ‘by bringing a couple of friends next year.’ I look forward to doing just that,” she said.

It's never too early to plan ahead. Save the date for Logan Film Festival screenings in September 2015. Specifics will be announced in spring 2015 and filmmakers should look to December 2014 for submission information. And in festivals to come, organizers hope to add

additional activities with possible music offerings and art exhibits, all in that one-square-block area of downtown Logan, where, obviously, there's plenty to do!

— Patrick Williams '74

Lights, Camera, Program

There are a number of Utah State University alumni, faculty members and students involved in the Logan Film Festival in a variety of ways, from panel members to jurors. A new program in the university's Theatre Arts Department may provide another avenue for creativity and further support. A new degree option within the BFA design and technology emphasis has been added, a film production concentration. The department is now accepting applications for the program that will launch in fall 2015.

In partnership with Salt Lake Community College, the new program provides a unique educational opportunity to study both design and production with an emphasis in motion pictures. Students will spend four semesters over a four-year period with each school to complete the degree. Activities include instruction and hands-on training with state-of-the-art equipment currently used in the industry. Creative student film projects will be produced and screened publically through local, regional and national festivals. Applications for the program became available Nov. 1. For information, contact the Theatre Arts Department at Utah State University.



One-Stop

LIFE CHANGERS

Imagine what bringing together USU's many celebrated clinical services will mean to both providers and recipients. **WOW.**

Areon, on shift at The Crepery in Logan.
Donna Barry, University photographer.

THREE YEARS AGO, AREON WANTED A JOB, but she wasn't sure she could ever keep one. "I have high functioning autism," she said. "While I have a good brain on me, I'm not very good socially, and I have anxiety."

Sara Menlove Doutré had a very different background: a degree in special education, a master's in education policy studies, a family. But her family experienced some added stress when her daughter, Daisy, lost her hearing at age 2.

Both Sara and Areon were able to receive services through the Emma Eccles Jones College of Education and Human Services at Utah State University — and those services came from specialists in more than one field. But Doutré wondered if her experience was just a small taste of what is possible.

Jared Schultz, associate dean of clinical education and community outreach, had the same thought. What would happen if professionals from many disciplines came together, not just to address one problem, but to help the people they serve enjoy a better, more well-rounded quality of life? And what if the graduate students who worked under that hands-on model carried those leadership experiences with them into their fields?

That vision — shared by Dean Beth Foley, USU President Stan Albrecht, and other USU leaders — began taking on a solid shape. The Center for Clinical Excellence will be a 100,000 square foot facility where many of the college's clinics could operate under the same roof. Professionals and trainees could collaborate in instances where more than one service is needed.

Sara Doutré is lending her perspective as one of the center's board members.

The project is now a top priority for Utah State University and the Utah Board of Regents. Fundraising is currently underway.

"Our vision for the new center is far-reaching," said Beth Foley, the college's dean. "It will enable us to offer comprehensive clinical services across the entire lifespan, with specific outreach to individuals and families living in rural and remote areas in Utah and those who are low-income or uninsured. We are building something that will have a profound impact on our region for generations to come."

They will also build on ideas that are already changing lives.

A Job for Areon

When Areon [last name withheld] came to the Employability Clinic, Maria Lewis was its coordinator. Areon wanted a job,

but going to the Employability Clinic in hopes of getting one meant talking to a lot of people she didn't know. She was a little scared.

She wasn't the only one.

"Nothing is as intimidating as working with a real person," Lewis said. When she met Areon, Lewis was a graduate student. Her experience in the clinic showed her the difference between reading case studies and working with real human beings. "There is no replacement for being given the opportunity and freedom to work directly with a person who needs it," she said. (Lewis is now a Ph.D. student, a therapist and a research director.)

Areon and the clinic's staff began working together. With their help, Areon went through the process of learning her strengths and skills. She wanted to work in a bakery. Eventually she was placed in two internships with local businesses.

It was the beginning of a long learning experience. How should she accept a gift? How honest should she be when others asked her how she was doing? How could she know if the compliments she received were given sincerely, or if they were condescending? How should she deal with customers?

"I wasn't sure how to do it," she said. "How do you interact with someone you're not supposed to be rude to, even if they're rude to you?"

She worried a lot if she made a mistake. She was afraid of being dismissed if she dropped a roll on the floor.

At one point she asked Maria why they were even trying.

But good things happened, too. She lost 35 pounds on her own, just by eating better and walking more. She discovered she could make it on time to an internship that started at 5:30 a.m. She found out she could work with men.

"It wasn't nearly as stressful as I thought it would be," she said. At high school she had a hard time getting along with young men, but the working world was better.

And then a paying job became available at the Crepery in Logan. "We were so happy," Areon said. "Especially with what the economy is like right now."

"Her first paycheck is something I'll never forget," said Lewis. "She was so excited."

In the beginning, Areon was pretty dependent on Lewis and Tracy Woolstenhulme, Lewis's supervisor. "It was my first job, and I didn't want to blow it," Areon said. She started out meeting with Employment Clinic representatives once a week, but that's not necessary anymore. She just calls the clinic if she needs to talk.

The progress has continued. Areon handles her own transportation arrangements, taking the bus to work. She enjoys interacting with her co-workers.

"I feel great about the accomplishments I've managed to make," Areon said. She likes the job, too. "The people are nice and I get to interact with my actual manager instead of a computer. ... Nobody's ever been mean to me."

Areon had a team of people supporting her, on campus and off, and they say her progress has been delightful to watch. The experience of the graduate students who worked at the employment clinic went far beyond one person, though.

"Very often we were given the cases that others had given up on," Lewis said,



Services offered through The Center for Clinical Excellence benefit a wide array of people and their needs.

“THE NEW CENTER FOR CLINICAL EXCELLENCE WILL POSITIVELY IMPACT OUR RESEARCH PROGRAMS. IT WILL IMPROVE STUDENT LEARNING AND MENTORING EXPERIENCES, AND OUR ABILITY TO FULFILL OUR BROADER INSTITUTIONAL MISSION OF SERVING THOSE IN NEED THROUGHOUT THE STATE.”

—USU President Stan Albrecht

“but our success rate was pretty high.” Watching the people who came to the clinic, she gained a new perspective. She saw what life was like for people who had been given up on.

“Those are the experiences that I pull from now, that other people that I work with haven’t had,” she said.

The clinic brought in graduate student trainees from the special education, rehabilitation and psychology fields. It offered some valuable experience to Kristin Houck, another former staff member who worked with Areon and who is now a behaviorist in Indiana. “It’s a multidisciplinary approach. Everybody had a different idea when they came to the table.”

That approach could benefit so much more than one clinic, or even an entire center on one campus. “We need to have

those conversations,” said Schultz, the associate dean. “We need them not only for clinical services, but also to build the fields we are working in.”

“The new Center for Clinical Excellence will positively impact our research programs,” said USU President Stan Albrecht. “It will improve student learning and mentoring experiences, and our ability to fulfill our broader institutional mission of serving those in need throughout the state.”

Schultz said the employability clinic — and several other clinics that operate out of the College — have built in some family supports. Still, he said, a lot more could be done, especially once the Marriage and Family Therapy Clinic from the Family, Consumer, and Human Development Department is brought under the same roof. “That’s the very reason we’re trying to get this pulled together and more integrated,” he said.

New Approaches for Sara

Family support is especially important to Sara, whose family felt some strain when they were looking for solutions for her daughter Daisy. Their daughter was born with cytomegalovirus, a common virus that usually doesn’t cause symptoms, but which can affect babies in utero and throughout their early development. It is the leading cause of non-genetic hearing loss, and it was the reason Daisy lost her hearing at age 2.

The family moved to Logan to be closer to Sound Beginnings at USU, and services began there. But Daisy wasn’t progressing in her speech as much as they’d expected, and they began wondering if the virus had caused some additional changes to her brain.

Sound Beginnings connected the family to services offered through the psychology department, and to other services offered through the Center for Persons with Disabilities. They began looking into cognitive assessments, occupational therapy, family support. Sara received help in this search for services, but she also knew where to look for it.

“For other families who don’t know what’s available, I don’t know if they would know to ask the same questions,” she said.

When it came to family stress, though, Sara was on the same roller coaster as other parents of children with disabilities. “There are just so many added things,” she said. She grieved for the normal life she’d expected to have. She wondered if her daughter would enjoy the rites of passage that typically-developing children do, like prom, a healthy social life, dating.

Sara’s time filled up with appointments. She felt the pressure of knowing that so much of her daughter’s progress depended on her own involvement as a parent. She knew how important it was to be involved, but it was harder to figure out when to step back and take a breather.

Other family members felt neglected. When it was time for Daisy to have an operation, her 3-and-a-half-year-old brother started crying. “When’s it my turn to have surgery?” he asked.

It got better. They found some family support. “We’re still looking for answers,” Sara said. “We have a lot of new ideas and new approaches. Before I felt like we were at a dead end.”

Their journey isn’t over, but at least Sara feels like she knows where to look. She hopes that the search will be easier for other families in the future. And she’s convinced that more collaboration between fields would help.

“When I think about what’s in the college, like psychology and family development, I think there are things that would apply,” she said. “Some things are great... seeing that cooperation happen just between audiology and preschool, it’s a small glimpse of what it could be if it were the full spectrum. But to me it’s just a start.”

—JoLynne Lyon ’92



The pioneering Aggies Elevated, from left: Natalie, Amity, Troy, Jenna, Sarah, Riley, Program Director Sarah Bodily, and Taylor. Donna Barry, University photographer.

SEEING WHAT SARAH SEES

IT'S NOTHING SHY OF A REVOLUTION REALLY, A VICTORY OVER THE LATEST BARRIER TO ACCESS. History well documents the first woman admitted to college, the first African American, the first person with a pronounced physical disability. "All of those groups of people have had their moments of revolution," says Sarah Bodily '09, '13 M.S., program director for Aggies Elevated, just one program in nearly three dozen programs facilitated under Utah State University's riveting umbrella of clinical services. But now — WOW! — now students with intellectual and developmental disabilities have that same access, to the curriculum, to the needed supports, to the forever-altering experience of being here, at college.

And so was floated upon the air a simple question toward Bodily, herself not so many years removed from notching her own USU bachelor's and master's degrees. A softball of a question, really, one to which she could respond at any level of comfort she sees fit: "What do you get to *see* in your profession that the rest of the world doesn't get to see?"

I see the excitement on their faces, Bodily says. I see both students and parents who maybe never went to a career fair, who maybe never spoke with a counselor about their plans for college,



Aggies Elevated students take five college courses, this one taught by Sarah Bodily, program director. Donna Barry, University photographer.

showing up for SOAR — our freshman orientation that everybody takes — just bathed in excitement, realizing that with that first step on campus they're already far beyond, way beyond, the medical and special education concerns that dominated their shared experience in the high schools.

I see that one little step, Bodily says, something to celebrate every day. "Sarah, I remembered to meet with my mentor," or "Sarah, I made it to class on time." One of our students has zero short-term memory — zero. We took a GoPro and filmed her routes from one class to the next, then put it on her iPad. It walks her along, step-by-step so she won't get lost.

I'll never forget the first time she called me to say, "Sarah, I made it from Health and Wellness to Distance Ed without my iPad!" Amazing. Really a huge step for her. And so I see groundbreaking independence.

I see a lot of tears, moms and dads (sometimes *especially* dads) not wanting to end that last hug before leaving their student on foreign soil. Imagine. Will you?

I see the dignity of risk. I see brave people allowing others to make mistakes, offering the possibility of flight when it goes against every compulsion they've ever had, and yeah, they're going to fail, and yeah they're going to struggle, and

how beautiful is that? I see parents and mentors and tutors wanting to give their students what they themselves have, a memory or two, a cherished friend, pride in association, maybe merely the opportunity to be a part of something bigger than one's self.

And while we're on opportunity, let me just say, I get to see it in all its scary splendor. I see future marketable skills, contributing citizens, ignorance as a barrier, the life-shaping perspective others gain when they consider, even briefly, what my students face daily.

Enriched lives throughout the community, reminders that 1 in 10 people on this campus have *their own* disability and

that maybe all they need is a little accommodation, not modifications, just accommodation. That's what I see.

I see how hard — and crucial — critical thinking can be. I see the benefits of a rigorous academic component and just how hard it can be for some of our students to navigate free time and the new open space around them. Tutors and mentors willingly stretched beyond present capacities. Humbling, meaningful, inspired solutions. Writing a simple paper became so overwhelming for one of our students, the fear of placing words on the page, of grammar and spelling, so debilitating that he had actually made the decision to just not hand it in. But his mentor introduced him to software that allows him to dictate full papers and to then make final edits. Assistive technology available to just about any student here. He's been successful in completing his work now. "Sarah, I handed that paper in!" I saw his face when he said that. I'll always see his face. *Always.*

Students actually seeking out instructors during their office hours; I see that. We've had instructors say "I've never had students using my office hours," and we just say, well, things are going to change. And working out conflicts with roommates ... I see ginourmous shifts in perspective, again, in those little, seemingly inconsequential steps. And not just in Aggies Elevated, but throughout my career. It doesn't matter what it is, if they make some type of progress, *any* progress, I get to celebrate it with them. I take very few things for granted.

I see my own selfish reasons, too. I've learned that I'm really not good at desk things, that I much prefer hands-on things — that personal interaction. I see clearly just how much this work blesses me, nourishes me, maybe how much it comforts me. This inaugural cohort of Aggies Elevated students has helped me see that I have to be working to help someone. I just *have to*. When I started teaching classes this semester I really realized, "Wow, I love this. This is exactly what I want to be doing." Like I said, it's selfish, yes — and, every day, more necessary.

I see that the ability to generalize concepts and knowledge can be frighten-

ingly difficult. And that's a basic, recurring challenge in special education, but especially for students with autism and intellectual disabilities. And so I see the need to make adjustments. Sometimes we slow things down, sometimes we add more study groups, a lab, just another chance to practice and internalize the skills they learn in their classes. And, yep, sometimes it feels like we're building this plane while it's flying. But you know what, it's also during those very times that we see a student have a successful meeting with their mentor, where they're setting, and working toward goals and they're remembering those goals, and coming back, reporting. We see potential — true, empowered potential — and the fact that desire and motivation keeps planes flying.

I see that we can help, you and I. We can always do more. It takes a village, to be sure. But we can educate, and we can advocate, donate, celebrate. These students can flourish and the efforts involved in giving them the opportunity to carve out a place in their own community will always be worthwhile. *Always.* I walked across campus one day with one of my students; it took forever. Everywhere we went, people were calling out his name, asking him how he was doing. He's built a network here, moved from out of state and is now an independent member of

his own community. Flourishing. Which makes me realize I'm seeing things the families of my students, perhaps, only ever secretly dreamed of seeing.

That learning how to budget money can appear an impossibly hard concept, that tools and access and hearts exist that hold the power to nudge the world. I see that. And that Utah State University, with an unflinching squad of cheerleaders throughout, from the president's office to the dean's to the myriad, amazing experts in the Center for Persons with Disabilities, all giving this thing wings, is a unique place indeed. And that maybe, just maybe, *it's the best place* to shatter this latest barrier to access.

I see things that make me laugh, and things that make me soar and kindnesses extended and efforts being made that will always — *always* — make me cry.

Because what we're doing here matters; this place, this idea, these students, their parents ... it's a revolution, really. It's Utah State rewriting history.

I get to see all those things and celebrate every little step — and it's changed the way I *see* everything.

— as told to Jared Thayne '99

Aggies Elevated: The Revolution Begins

Aggies Elevated is an inclusive postsecondary education program for students with intellectual disabilities.

There are 4,000+ college campuses in the United States. Only 217 offer programs for young adults with intellectual disabilities, students who want what their typically developing peers want — a traditional college experience, the chance to learn and live independently, and to work in a field that is suited to their interests and abilities. As in so many other areas, Utah State University is leading the way. The Aggies Elevated program was created this academic year with young adult learners in mind, by experts in the fields of disability and special education at USU's widely celebrated Emma Eccles Jones College of Education and Human Services. It is a two-year program from which students will emerge with a certificate of completion and more confidence than you can imagine. For more information, visit www.aggie-selevated.com



ALZ

HEIMER'S:

A Growing Risk

The following story originally appeared in this year's Spring/Summer issue of Utah Science

THE LIST OF ILLNESSES THAT BECOME MORE COMMON IN OLD AGE is familiar: heart disease, type 2 diabetes, cancer, Alzheimer's disease. Medical treatments can alleviate symptoms, arrest or sometimes cure some of these diseases, but there are no known treatments and no cure for Alzheimer's disease. More distressing still is that while treatments for other illnesses may slow you down or cause side effects, you are still "you" with cancer, "you" with diabetes, "you" with heart disease. Not with Alzheimer's.

Alzheimer's disease (AD) is more than just forgetfulness. It robs people of their abilities to think, remember, reason and control their behavior. It is disorienting and frightening to watch and to experience, and the number of people with AD is on the rise. The Alzheimer's Association estimates that from 2010 to 2050, the number of Americans with AD will increase from 5.1 to 13.5 million people. That means by 2050, an estimated 16 percent of Americans ages 65 and older will have the condition.

From 1995 to 2011, researchers at Utah State University, Duke University, and The Johns Hopkins University collaborated on a large and complex project called the Cache County Study on Memory in Aging (CCSMA). At the start they enrolled 5,092 residents of Cache County, Utah, who were age 65 or older (90 percent participation rate). Over the course of the study, researchers periodically gathered data on many aspects of the participants' lives, including diet, lifestyle, family and personal medical history, emotional well-being, relationships with others, cognitive ability and others. It has produced a trove of statistical treasure that is helping researchers understand the disease in new ways — just as the generous and trusting group of participants hoped it would.

Maria Norton '82 M.S., '02 Ph.D., professor in USU's Department of Family, Consumer and Human Development, was involved in the study from the start, and is among the researchers using the CCSMA data to try to better understand AD and help develop ways to prevent it. It's an especially compel-

ling topic for researchers at USU because projections predict the Western U.S. will have the biggest increases in numbers of people with AD in the next few decades, and that Utah will top that list because the state's residents generally live longer than people in neighboring states.

Utah and the West will likely see the biggest increase; Maria Norton and others at USU are searching for the biggest breakthrough

Some things about the disease are known, including that a combination of genetic and environmental factors contribute to its development. But research suggests that the neurodegenerative process may begin decades before symptoms of the disease emerge.

"Some Alzheimer's risks we can control and some we can't," Norton said. "Advanced age, genes and family history are not modifiable. But there is a much longer list of things you can control to a great extent that also modify your risk."

Among things on the "modifiable" list are education level, management of psychological stress, nutrition, smoking, exercise, chemical exposures, medications and head injuries. And while there are many variables in each item on that list, researchers are working to discover more about how some behaviors might at least delay onset of AD. Norton pointed out that delaying onset of the disease by just 5 years on average will cut in half the number of people who live with Alzheimer's.

Norton is interested in the full scope of research on the disease, but is specifically focused on trying to

understand the role that stress plays in the lives of people who develop AD and its impact on the people who care for them. While AD is always marked by a progressive failure of cognitive ability, there is wide variability in the rate of decline among people with the disease. Other studies of the aging brain have made a case for slowing cognitive decline

“Our data showed it was measurable,” Norton said. “If a caregiver makes an effort to engage a patient in cognitively stimulating activities, all other things being equal like age and level of dementia, those people declined more slowly.”

Norton continues to investigate the role that psychological stress plays in AD. One study found that certain stressful

cognitive decline. However, if parents were still in their childbearing years and later had another child, there was no association with more rapid decline later in life.

“Somehow life went on for them, in a different way,” Norton said. “The effect appears to only be present in those who lose a child to death and then don’t take the risk of that kind of heartache again by having another child.”

As all scientists know, a study may result in new information and published results, but every study inevitably leads to more questions to explore. It’s no different for Norton. For example, research has shown that people who are more socially connected to others appear to have slower cognitive decline. But is it different for men than for women? It’s a fact that 2/3 of people with AD are women. Granted, women generally live longer than men, but the gender difference leaves Norton wondering further about how stress in relationships affects AD risk. Women generally socialize more than men and make closer personal connections, which should be protective. But they also tend to internalize more emotions and to take on other’s problems and try to make things harmonious.

There also appear to be links between depression and AD. Norton said sometimes people think an older person is developing AD or another dementia when depression is the real root of a cognition problem. But people who have had bouts of depression earlier in life are at higher risk for AD later. Norton wonders if depression earlier in life will have different effects on people who are currently at mid-life than it did on their parents because depression is more widely diagnosed and treated and people with depression generally have more social support now than they did a generation ago.

“Humans are so complex,” Norton said. “It would be easier to study the *Artemisia tridentata* plant and find out exactly how much water it needs to produce X number of leaves. But this work on human mental and cognitive health, with all its complexity, is much more fun and interesting to me.”

—Lynnette Harris ’88

“SOME ALZHEIMER’S RISKS WE CAN CONTROL AND SOME WE CAN’T. ADVANCED AGE, GENES AND FAMILY HISTORY ARE NOT MODIFIABLE. BUT THERE IS A MUCH LONGER LIST OF THINGS YOU CAN CONTROL TO A GREAT EXTENT THAT ALSO MODIFY YOUR RISK.”

— Maria Norton


that often accompanies aging by keeping the brain active with ongoing activities like reading, working word and number puzzles, traveling or playing card games. The evidence is especially strong, Norton said, for doing things that push the brain to learn something new. For example, playing a musical instrument is good for the brain, but if you’ve played the same instrument for many years and make a switch to learning a new instrument the benefit is much greater because the novelty causes you to think and move in new ways.

The finding that continued learning and challenging the brain helps memory and thinking skills is related to work Norton collaborated on with an interdisciplinary team of researchers led by JoAnn Tschanz, professor in the Department of Psychology at USU, called the Dementia Progression Study. As part of the study, 187 participants who had been diagnosed with AD were assessed semiannually along with their caregivers. The researchers found that a caregiver and patient’s relationship, how caregivers manage stress and whether a patient is engaged in activities, all play a role in how quickly a patient’s cognitive function declines. Norton explained that when people have a close relationship with a caregiver who is extroverted, not anxious, and who engages them in activities, the patients showed a slower rate of cognitive decline.

life events are linked to a higher risk of developing AD. The goal, she said, is to someday identify people who could be considered more vulnerable to the disease because of these life events, especially those already at higher risk due to genetics or prolonged high levels of stress. Those people could benefit from more education and coaching to encourage behaviors that mitigate their high risk, especially because the helpful behaviors — including exercise, good nutrition, not smoking and managing stress in healthy ways — should start long before any symptoms appear. Among life events the researchers identified as increasing a person’s risk for AD were the death of a parent early in a person’s life, widowhood and the death of a child.

“What’s really fascinating is not just the link between widowhood or early parental death or any number of stressors, it’s the modifying variables,” Norton said. “In other words, not everyone who experienced a particular stressor is going to get Alzheimer’s disease. But who is? What other things combined to put them at higher risk?”

The data showed that people overall have double the risk for AD if they lose a parent early in life, and much higher if they lose both parents. But in cases where a parent remarried while a child was still growing up, the effect on the child’s later AD risk disappeared. Another paper published from CCSMA data found that death of a child was related to more rapid



Gray Matters: Seeking to Lower the Risk

USU's Maria Norton has also begun a series of intervention studies to develop and test the efficacy of a multi-domain evidence-based health education program. The objective is to promote healthier lifestyle behaviors in midlife, towards the goal of maintaining "healthier brains" in study participants, and ultimately lowering their risk for Alzheimer's disease.

A randomized controlled trial of 146 Cache County middle-aged persons titled "Gray Matters" is being conducted in Cache County and slated to conclude in December, 2014. Participants are provided with smartphone and fitness monitor technology and experiential opportunities to learn and practice new behaviors that result in healthier food intake, greater physical activity, better stress management, higher mental stimulation, richer social engagement and better sleep quality — all beneficial to better cognitive health.

"A major effort is underway worldwide to discover a pharmacologic cure for AD, but to date there remains no cure," Norton said. Given the 'Silver Tsunami' of millions of additional Alzheimer's cases headed our way, Norton believes, "We simply cannot afford to just hope and wait for a cure." Norton's team is working to develop an effective way to both motivate and empower middle-aged people to do everything within their power to promote brain health toward a cognitively healthier future. As conveyed in the Gray Matters study motto, Norton encourages all of us to take charge of our cognitive future, declaring: "Alzheimer's — Act Now, Think Later."

Is Your Writing a Predictor of Risk for Alzheimer's Disease?

Understanding the effect that people's reactions to stressful situations may have on their risk for developing Alzheimer's disease (AD) is a potentially important step in being able to delay the onset of AD.

"We know that two people can have the same kind of stressful life experiences and one gets Alzheimer's and the other doesn't," said Maria Norton, professor in the USU Department of Family, Consumer and Human Development. "It's subjective stress, meaning one person has an experience and says, in effect, 'This is a challenge, really ugly and difficult, but there is all this good stuff in my life that outweighs it,' they are better off than people who don't react that way and who dwell on the negative experience."

But how do you evaluate how someone reacted to a stressful life experience that happened 20, 30, 40 even 50 years ago? Is it possible to know how an individual was feeling, thinking and dealing with their stressors when they happened and long after? There are problems in how people recall and report their life's events. This "recall bias" happens for many reasons. People may feel shame about something that happened in their past. Greater perspective on an event may cause people to play down or even forget the gravity they felt when it happened. With no time to waste waiting for a time machine to be invented, Norton is taking a different approach to examining people's pasts.

With Utah Agricultural Experiment Station support for a pilot study, Norton is analyzing the journals and letters of 80 people who participated in the Cache County Study on Memory in Aging study. The research was inspired by a longitudinal study on AD and aging known as The Nun Study, founded by David Snowdon, a now retired epidemiologist and neurobiologist formerly at the University of Kentucky. Snowdon's research focused on 687 Roman Catholic sisters who are all members of the same religious institute, and therefore had lived

very similar lives as adults. That lifestyle reduced or eliminated the effects of many important variables of aging such as diet, housing, reproductive history, drug or alcohol use. Among the many facets of the study, Snowdon examined personal writing the nuns had done, particularly the autobiographical essays they wrote at the time they became nuns, typically at age 22. He found that the essays' "linguistic density" meaning fluency, energy and complexity of thoughts and sentence structure, significantly predicted who would develop Alzheimer's disease later in life and who would not. Of the nuns whose writing did not show high linguistic density, about 80% developed Alzheimer's disease. Among those whose essays ranked higher for linguistic density, just 10% later developed the disease.

Norton contacted Snowdon directly to discuss an idea she had about examining the writing of participants in the CC-SMA. Of the 5,092 participants in the original Cache County study, 647 people were diagnosed with AD during the study and researchers can easily identify that same number of "cognitively intact" participants, match them by gender, birth year and other factors and compare their writings to see if the connection between linguistic density and AD holds true.

Thus far, Norton and her assistants have identified people in the study who did and did not develop AD and contacted their families to see if their loved one kept a journal. (Note: The study's participants and their spouses are nearly all deceased.) If so, researchers explained their research objectives and got permission to photograph and analyze the journals. Their success in obtaining the journals of 80 participants was helped by three factors, Norton said. One, when they were living, the participants were very generous with information about all aspects of their lives and researchers have carefully protected their identities and information. Two, study participants were vocal about their hopes that the research would benefit their children

and grandchildren who now have the journals. Third, the majority of people in the study were members of the Church of Jesus Christ of Latter-day Saints which encourages its members to keep journals, especially when serving as missionaries, which people typically do in their early 20s. Many in this study were also in the military during WWII and other conflicts and kept journals and letters.

Norton acknowledges there may be personality biases because of the kind of person who chooses to keep a journal. State-of-the-art language analysis software is being used to examine samples of the transcribed journals. It looks at every word, with help from a dictionary the researchers built to include words with special local, cultural significance. The software will provide a count of all words, and study them for percentages of specific sorts of words; those describing mood, social connections, profanity, religious terms, those related to the physical body, etc.

"It's not so much the phrases or ideas they write about that are telling, but the nature of the linguistics," Norton said. "For example, if you're always writing in first person and using words like 'I,' 'me,' 'mine,' more than you write about other people or relationships, there are several papers from other studies using this methodology that show a prevalence of internally focused words correlates to higher rates of depression."

Norton hopes to discover whether they can confirm the findings of The Nun Study in a statistically sound way that would support an effort to try to expand their study to other, larger populations. If writing does turn out to be a predictor of AD risk it could aid efforts to identify people at higher risk, especially those whose family history puts them at greater risk, and provide enhanced education and coaching that encourages them to adopt behaviors that can at least delay or slow the effects of Alzheimer's disease.

—Lynnette Harris '88

"It's not so much the
phrases or ideas
they write about
that are telling,
but the nature of
the linguistics."

— Maria Norton

ANNUAL REPORT

What impact does

\$41,215,804

have on Utah State University

Funding Dreams; **CHANGING LIVES**

A Utah State University Annual Report
to Benefactors



One life enhanced through education is significant. Eight thousand two hundred lives becomes monumental.

That is how many students received scholarships at Utah State University this past year because 18,000 other people were willing to step up and give. Collectively these individual acts of generosity culminated in more than \$5.3 million. Already this funding is making a substantial difference in the lives of Ana Castillo, Jessica Weyerman, Kevin Kennedy and hundreds more in connection with programs such as USU's Engineers without Borders.

At USU she found many people willing to help her, and her dreams took a higher trajectory. The staff at USU's admission office helped her obtain a first-year scholarship and connected her with an opportunity to serve on the Multi-cultural Recruitment Council helping prospective Hispanic students come to USU. For her second year, she applied for and was awarded a Seely-Hinckley scholarship in recognition of her ambition, strong academic record and hard work. Although the scholarship's founders have long since passed away, they are another link in Ana's chain of dream makers. Barriers faced; barriers overcome.

The Seely-Hinckley scholarship enabled her to save her own money to support herself for a semester abroad in Spain this year.

"I've learned to embrace my heritage and who I am, and I feel better prepared for my future," she explained via an internet-video interview from Spain. "The Seely-Hinckley scholarship has made all this possible for me, and I am so grateful for that."

After completing her schooling at USU, she wants to earn a graduate degree and help others by working as a physician's assistant.

Ana's link in the generations of dreamers seems to be secure. The future



Ana Castillo

Generations of Dreams

Ana Castillo
Senior

Major: Exercise Science and Spanish Language and Communication, Chemistry minor

Dreams, like links in a chain, rarely stand alone. They are connected to the dreams of others who have gone before, and they offer a starting point for those who follow. Just ask Utah State University senior Ana Castillo.

Ana is a first-generation college student in her family but a second-generation dreamer. At great risk, her parents immigrated to the United States in search of a better life. From early on in life Ana dreamed of pursuing an education. After earning an associate's from the College of Southern Idaho in Twin Falls, Ana looked to further her education at USU and realized money for education, especially out of state tuition, was a big barrier. Ana had friends attending USU who encouraged her and helped her get there. More dream makers.

PORT



\$5 million to support cutting-edge RESEARCH

8,249 students assisted through **\$5.3 million** FOR SCHOLARSHIPS



\$11.5 million to support over **10** BUILDING PROJECTS



\$19.4 million to SUPPORT PROGRAMS



All of this is possible with



17,897 DONORS

isn't certain, but the chances are good—in part because of opportunities realized at USU—that somewhere down the road, Ana will be a dream maker for many others.

A Return on Investment

Jessica Weyerman
2014 Graduate
USU Uintah Basin

Like so many Uintah Basin residents of the late 2000s, Jessica Weyerman found herself the victim of economic recession. After a brief return to the local hospitality industry, Jessica had had enough.

When Jessica started her education in Family, Consumer and Human Development at USU Uintah Basin in 2011,

she was working as a substitute teacher in the local school district.

“I knew that earning my degree would require great investments of time and energy, and I was at a place in my life where I was ready to sacrifice and work very hard to improve our lives,” she said. “What I didn't know was just how expensive a good education is these days.”

Jessica's monthly earnings were simply not enough to make ends meet. Fortunately, as a resident of Uintah County, she was able to receive a USU Uintah County Residency Scholarship to help pay for tuition, books and other fees.

In fall 2014, Jessica began graduate study at USU's Logan campus, but plans to return home shortly thereafter as she and a group of students from the Uintah

Basin plan to collaborate on opening a family wellness center in Uintah County.

“The Basin's FCHD program and the Uintah County Scholarship have each had a very profound impact on our lives and on our educations,” Jessica said. “We are committed to returning that investment and to serve our community and improve the lives of our fellow citizens.”

Creating Engineers, Building Hope

A glass of clean water is such a simple thing — until you can't get one. Then it becomes vital, even life sustaining.

Students involved in USU's Engineers Without Borders (EWB) extracur-



Engineers Without Borders

A GLASS OF CLEAN WATER
IS SUCH A SIMPLE THING —
UNTIL YOU CAN'T GET ONE.
THEN IT BECOMES VITAL,
EVEN LIFE SUSTAINING.

ricular student club are learning engineering, planning and communication skills while bringing clean water—and fresh hope—to people in small villages in Mexico.

The Engineers Without Borders club operates on a budget of \$25,000 to \$30,000 with about half coming from the annual College of Engineering Phone-A-Thon. The balance comes from grants and other donors.

“The goal of EWB is to do sustainable engineering projects in developing countries, but we are also creating good engineers in the process,” Dr. Laurie McNeill said. “They experience the entire life cycle of a project beginning with iden-

tifying needs and requirements through early visits to the cooperating community. They also learn project management, teamwork, and communication.

“Employers have seen the value that students receive from their EWB experience and they seek out graduates who have participated in EWB programs,” said Dr. McNeill.

Engineering students must out of necessity learn a lot about design constraints, structural limits and operating boundaries. Through Engineers Without Borders, students at USU are learning to cross boundaries, break through limits and open up new possibilities for themselves and others.

Rewarding Preparation Through Opportunities

Kevin Kennedy
Senior
Major: Electrical Engineering,
Computer Science minor

It's been said that success happens when preparation meets opportunity. USU senior Kevin Kennedy knows this first hand.

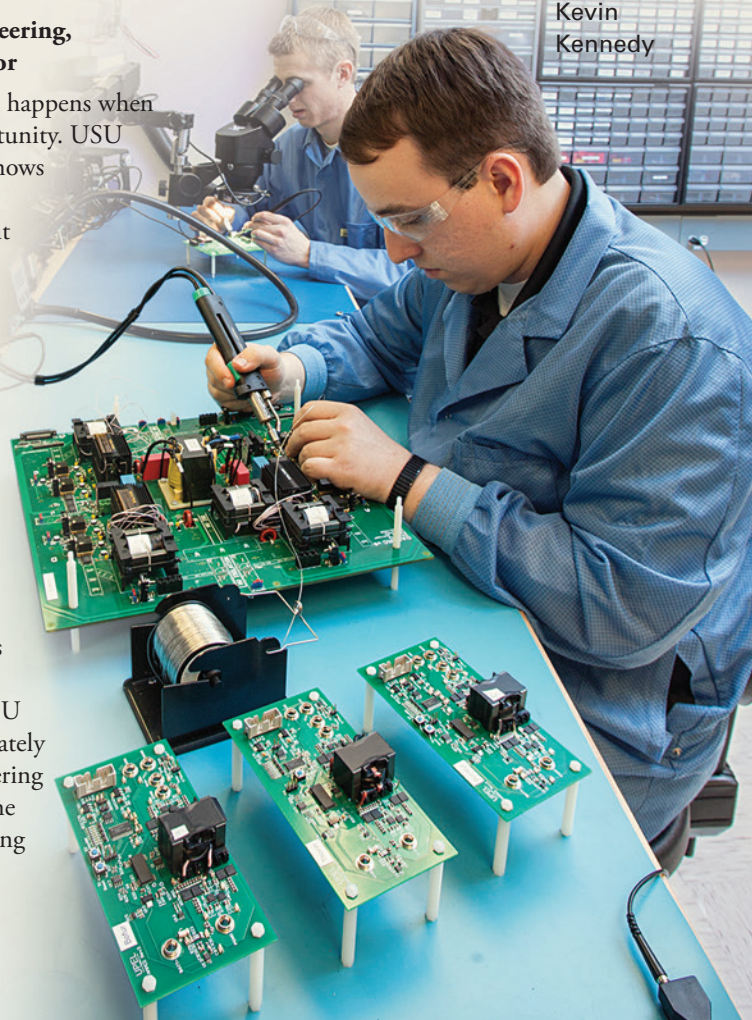
With encouragement from his family, Kevin began making plans to earn a college degree in engineering and knew that he would need scholarship funding to attend school. This is the point where opportunity entered Kevin's story. During his junior and senior years of high school, Kevin evaluated different universities and sources of financial aid. Kevin visited the USU campus and was immediately impressed by the engineering program, the students, the campus and the welcoming attitude of everyone.

Thanks to hard work in high school, Kevin is the recipient of several scholarships that have allowed him to pursue an education. These include a prestigious four-year Presidential Scholarship, a University Scholarship in Engineering through the George S. and Delores Doré Eccles Foundation, and a USU Engineering Undergraduate Research Scholarship.

Kevin currently works as a student researcher in Regan Zane's Power Electronics Laboratory and said the experience has greatly shaped his emphasis in school where he is focusing on electrical engineering combined with computer science.

The doorway for Kevin to pursue his goals of earning a master's degree in engineering at USU and eventually gain a job in industry has opened thanks to the generosity of donors who provide funding for scholarships. Only time will tell the increased impact for good that his life will bring to others.

Kevin Kennedy



Through October 31, 2014

Send your news to:
Utah State Magazine
1422 Old Main Hill
Logan UT 84322-1422
mageditor@usu.edu

1960s
A From May through June of 2014, **Peter Kranz '65 M.S., '69 Ph.D.** was a visiting professor in psychology at the Universidad Interamericana para el Desarrollo (UNID) in San Luis Potosi, Mexico.

1970s
A **Alice Hendrickson's '73, '79 MFA** show of 34 woodcuts and 17 watercolors depicting the ever-changing lives of Kurds and the Kurdish landscape, *Kurds: The Struggle*, runs through Dec. 5, 2014, at the Resnick Gallery at Long Island University, Brooklyn, N.Y. She has been working in the Kurdish regions of Turkey for the past 15 years. The show feels especially pertinent now, Alice says, because Rojava Syria and Iraqi Kurdistan are besieged and there is ongoing political turmoil in Turkey.

1980s
A **Bob Arello '82** of North Oxford, Mass., and Lakewood Ranch Fla., was New England's Athlete of the Month for August 2014. At the USA Masters Throws Championship held at Holy Cross in Worcester, Bob won three gold medals. His national titles were in the M55-59 throws pentathlon in which he scored 3,962 points, the superweight throw, which he tossed 9.12 meters, and the ultraweight pentathlon in which he scored 4,120 points. He ranks first in the world in his age group this year in the throws pentathlon and superweight, and is in the world top 5 of the shot put, weight throw and hammer throw as well. Bob runs a multi-state business that has him commuting between branches in Massachusetts and Florida, and the company poured one of the new throwing circles used at the meet. He is associated

with the Twilight Throwers and USA Track and Field.

A **Richard Saunders '87, '90 M.S.**, has been named Dean of Library Services for Southern Utah University. Saunders spent 14 years as a faculty member in the University of Tennessee system schools before returning to Utah. He worked previously for Montana State University in Bozeman and for the Utah State Historical Society (now the Utah Division of State History). He is married to **Carrie Willis '85**.

1990s
A **Stephen White '90**, a noted scholar and philosopher of global education within the context of American higher education, served as a professor of higher education leadership and school administration at the Reich College of Education at Appalachian State University from 1997-2014. He was named the Reich College Scholar of the Year for 2003-2004, was presented the Richard T. Baker Belk Library Scholarship and Creative Achievement of the Year Award and was inducted into ASU's Faculty Hall of Fame. But White suffered a debilitating spinal/cervical injury in 2000 that brought subsequent, "horrendous" neurological challenges. While in his home in 2009, he experienced what he thought was a seizure, a life-altering event that had him falling down 20 stairs into a door frame, resulting in a fractured skull and other injuries. He was "in and out of a coma for seven days," and has battled various cognitive, social, emotional and behavioral disabilities, common for victims of Traumatic Brain Injury (TBI). White has found that "with little or no outward appearance of disability," people with TBI are often misunderstood. He has become passionate about standing as a first-hand, experienced voice to educate others about TBI. White counts as his "biggest honor" an invitation to lecture on brain science research at Cambridge. Ironically, he said, his life-altering accident occurred a week before he was to speak.

1930s

Norine Bingham (Call) '39, Oct. 16, ID
Norma T. Gale (Turpin) '38, Oct. 18, UT
Oertel Lucille Roddick (Andrews) '36, Oct. 23, CO
Persis F. Thomas (Farr) '38, Sept. 18, ID
Zaida M. Wallace (Maughan) '37, Aug. 27, UT
John E. Whitby '39, Aug. 17, UT
Veda Woffinden (Lucas) '37, '61, Sept. 9, ID

1940s

Jay D. Baxter '48, Sept. 1, CA
A. Garth Belliston '46, Sept. 13, UT
Read L. Black '40, Aug. 17, UT
Earl S. Brown '49, Oct. 20, UT
Gweneth S. Budge (Steffensen) '45 Att, Aug. 1, UT
Beverly Campbell '48, Sept. 9, WA
Gladys Carling (Gessell) '40 Att, Oct. 3, UT
Jeraldean Christensen (Ashdown) '49, Oct. 21, ID
Morlin E. Cox '49, Aug. 4, UT
Betty H. Crowther '44, Aug. 4, ID
Ellen A. Franson (Adams) '49 Att, Aug. 2, UT
Robert G. Graham '49, Jul. 7, IA
Lois H. Kirk (Hollingshead) '46 Att, Aug. 31, CA
Vaughn D. Madsen '40, Sept. 12, UT
Ethel H. Macero (Hodges) '40 Att, Oct. 8, UT
Lawana Nielsen (Beckstead) '44 Att, Aug. 9, ID
Douglas H. Quayle '47, Aug. 6, UT
Thomas D. Roberts '42, Oct. 19, ID
Ruby P. Sharp (Johnson) '48, Sept. 7, ID
James LeGrande Shupe '48, Oct. 8, UT
Randall E. Sorenson '41, Sept. 6, ID
John J. Stewart '49, Aug. 5, UT
J. William Thomas '40, Oct. 15, MI
Woodrow Weight '40 Att, Aug. 17, UT
Willard J. West '40, Aug. 3, UT
Helen M. Wise (Moulton) '49, Oct. 5, UT

1950s

Dennis Jensen Alder '50 Att, Sept. 28, UT
Joy G. Alleman '52, Oct. 1, WA
Darwin D. Andersen '52, Oct. 16, ID
Parley Garth Anderson '50, Sept. 1, UT
David P. Barker '53, Aug. 20, CA
Marva Z. Bennett (Zwahlen) '52, Aug. 7, UT
Mildred W. Bird '55, Sept. 8, UT
Garth Boswell '53 Att, Oct. 4, UT
Ree K. Brown '50, Feb. 10, WA
Lynn Ransom Burton '50, '54MS, Jun. 2, UT
John Theodore Bushman '58, '74MS, Oct. 18, UT
Arland J. Buxton '50, Oct. 17, ID
Lee G. Cantwell '58, Oct. 21, UT
Jerry Christiansen '53, '55MS, Aug. 4, CA
Jay H. Cook '58, Sept. 2, UT
Lois H. Cook (Hyer) '52, Aug. 29, UT
Marcia E. Daugherty '59 Att, Sept. 12, UT
David Richard Dinsdale '54 Att, Aug. 13, UT
Victor W. Elliott '50 Att, Sept. 16, UT
Lewis J. Fish '50, '60MS, Sept. 27, UT
Mac Gardner '52, Sept. 9, CA
Leland C. Grant '58, '60MS, Oct. 25, UT
Gordon C. Green '58 Att, Sept. 9, UT
Van K. Haderlie '54, Oct. 15, UT
Nelson J. Hemmert '56, Oct. 21, CA
Frank W. Hirschi '50, '62MED, '69EDD, Aug. 13, UT
Grant Hoffer '50 Att, Oct. 14, UT
Donald H. Hooper '58, Oct. 14, ID
Ned R. Jackson '59, Aug. 27, UT
Donald N. Jensen '53, '60MS, Oct. 22, UT
Gary C. Joy '58 Att, Sept. 6, UT
Wallace G. Kirkman, Jr. '51 Att, Jul. 19, AZ
Robert C. Lamb '56, Oct. 6, UT
Howard J. Lamborn '50, Oct. 28, UT
Dona F. Larsen (Nielson) '50, '82MED, Sept. 18, ID
Laurane H. Larsen (Holliday) '51 Att, Aug. 28, UT
Colonel Roger G. Larsen '57, Aug. 11, WA
Ben Leany '59, Sept. 2, CA
Dale W. Leatham '52, Oct. 7, NV
Shirl Loveless '51, Oct. 8, UT
Grant M. Mathews '56 Att, Sept. 10, UT
Orrice S. Murdock '59, '60MS, Aug. 3, UT
Bonnie Drury Neuenswander '57 Att, Sept. 21, WA
Larry Neves '58, Sept. 26, UT
Carolyn M. Oswald (Moss) '58 Att, Aug. 1, UT
Delamar Palmer '52MS, Aug. 13, UT

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AIN MEMORIAM

Through October 31, 2014

Loren J. Phillips '53, '70MS, Sept. 1, UT
Brooks H. Poulson '59MS, Oct. 23, UT
Edgar C. Richardson '53, '62MED,
Oct. 11, UT
De Van Robins '52, Sept. 14, CA
Yvonne Sandberg (Parker) '50, Aug. 10, UT
Geraldine B. Smith '51, Aug. 28, CA
David E. Sorensen '56 Att, Aug. 26, CA
Leo R. Speirs '52, Sept. 25, UT
Roi Stone '57, Oct. 19, UT
Geraldine G. Taylor '50, Sept. 16, UT
Don L. Tuft '53, Sept. 6, UT
Farrell T. Wankier, Jr. '55, Sept. 19, UT
Sandra Wilkins (Williams) '55, Oct. 9, UT
Max G. Williams '50, Oct. 12, UT
Shirley Woodard (Whiting) '56, Oct. 3, UT

1960s

George J. Allen '63MBA, Aug. 22, UT
Kip Amundsen '69, '78MS, Oct. 20, UT
Harold A. Anderson '60, Sept. 22, UT
Louis Benavides '60, Jul. 29, UT
Clayne V. Benson '67, Oct. 9, UT
Madilyn Berg '69, Aug. 15, CA
Velden A. Black '65, Oct. 10, AZ
Paul Brencley '62, Aug. 4, AZ
Dean T. Brown '64 Att, Sept. 3, UT
Carol M. Butler '62, Aug. 12, UT
Thad A. Carlson '68 Att, Oct. 10, UT
Raymond G. Coggins '69, Oct. 18, UT
Janet Dickamore (Cook) '61, Sept. 15, UT
Douglas A. Dunnam '61, Aug. 18, NC
Von J. Elcock '68, Aug. 25, ID
Brent Eldridge '64 Att, Aug. 18, NV
Dennis E. Emerson '68, Oct. 27, ID
Virginia Geddes Eyestone '65MS,
Oct. 15, UT
Conrad L. Facer '64, Aug. 9, UT
Mel Fonesbeck '65, Sept. 7, UT
Melvin J. Greaves, Jr. '69MBA, Aug. 1, CO
Clinton C. Groll '65, Oct. 7, UT
Jack A. Hannum '66, Sept. 16, UT
Richard J. Hawkins '64, Sept. 16, UT
James Richard Heggen '68PHD,
Oct. 12, FL
Delwynn C. Hobbs '68, Aug. 17, ID
George V. Hufford, Jr. '65, '72ME,
Aug. 27, CO
Evelyn L. Humpherys (Loosle) '61 Att,
Sept. 19, UT
Trevor W. Jones '64, Oct. 20, UT
Marshall D. Ketchum '61, '63MS,
Oct. 6, AZ
Helen Kidd (Albisten) '60 Att, Sept. 15, UT
Robert L. Leake '68 Att, Aug. 8, UT
Elizabeth Boe Leonelli '64 Att, Oct. 21, UT
Janis M. Martindale (Goodwin) '65,
Oct. 16, ID
LaMonte G. Mickelsen '62, Sept. 11, ID
William Earl Miller '62, Sept. 4, UT
Peter H. Momsen '61, Aug. 8, WI
Richard M. Nicholas '62 Att, Sept. 1, UT
Rulon Clair Olsen '63, '73SPEA, Aug. 3, UT
Allan Richard Schow '62, Sept. 7, UT
Phillip L. Sims '69PHD, Aug. 24, OK
Charles Allen Skinner '68, Oct. 1, WI
Kenneth C. Smith '63, Sept. 26, ID
Carmen J. Snyder '66, Aug. 15, UT
Robert F. Sorenson '62, Sept. 8, UT
Boyd I. Stallings '68, Sept. 20, ID
Edith Petersen Steele '69, Oct. 28, ID
Evan N. Stevenson '68MBA, '72EDD,
Aug. 20, UT
Susan Sunada '63 Att, Sept. 19, WY
Ruth Tatton (Gunnell) '60, Oct. 20, UT
Russel G. Thorne '62, Aug. 1, UT
Eugene A. Watson '63, Oct. 6, UT
Clifton S. Whitehead '65, Sept. 22, MA
Kay G. Wooden '62, Aug. 7, UT
Dennis M. Yeates '69, Aug. 24, UT

1970s

Brent Clayton Anderson '71 Att, Sept. 19, UT
Thomas C. Barlow '78 Att, Oct. 9, UT
Joyce H. Bolton '77, '79MS, Sept. 22, UT
Geraldine Larue Carroll '71, Sept. 21, UT

Alfred K. Dangel '71MS, Jul. 27, PA
Jann Memmott Earnest '75, Sept. 3, OR
Merrill David Evans '70MS, Oct. 24, UT
John M. Forzani '71, Oct. 30, AB
Richard K. Harrop '77, '79MS, Aug. 21, UT
Horace S. Henline '71MED, '74EDD,
Oct. 29, CA
Frank E. Mancini '76, Jul. 13, AZ
Jack A. Marshall '70, Sept. 27, UT
Eloise H. Mathews (Hale) '77, Sept. 17, WA
Michael James Mattson '70 Att, Sept. 12, CA
Paulette M. Mortensen '78 Att, Oct. 1, UT
Fae Patterson '73MM, Sept. 26, UT
Michael W. Rackham '74 Att, Oct. 19, UT
Marvin J. Roth '73, Aug. 14, NV
Russell G. Seamons '75, Aug. 6, UT
Alan H. Terry '71 Att, Sept. 4, UT
Vikki Lee Vitali (Peterson) '75 Att,
Aug. 24, UT
Karl F. Wayland '72 Att, Aug. 13, UT
Richard A. Weese '79 Att, Sept. 11, UT

1980s

Dean A. Bates '87MSS, Oct. 21, UT
Ralph B. Brown '86, '88MS, Aug. 11, UT
Robert Campbell '88MIE, Sept. 18, ID
Deann B. Degelbeck '82MS, Aug. 25, UT
Ann Emerson (Bradley) '81, Aug. 26, ME
Kevin Lynn Eppich '84MED, Oct. 11, UT
Larry O. Fischer '81, Oct. 18, ID
Beryl Hawks '80, Sept. 2, UT
Kim Howard '87, '89, Aug. 6, UT
Mark Huber '88, '90MS, Sept. 30, UT
Kelly J. Packer '89, Aug. 24, UT
Michele Louise Padovich (Bodrero) '80,
Aug. 17, AZ
Barbara Reynolds '82, Oct. 14, UT
Cleo C. Riggs '81MED, Sept. 9, UT
Pete Simanaitis '80, Sept. 3, PA

1990s

Richard W. Allen '97, Sept. 20, UT
Sam L. Bowen '98 Att, Oct. 15, ID
Brian James Coady '91, Sept. 10, UT
Marlo Sue Kemple '97, Sept. 25, UT
Stephanie C. Pond '96, Jul. 29, UT
Timothy C. Powell '95, Oct. 10, UT
Leslie A. Seely '93, Aug. 1, UT
Christopher H. Spencer '99MBA,
Oct. 19, UT
William H. Stirling '95, Sept. 1, UT
Cynde Winger '92 Att, Jul. 30, UT

2000s

Suzette Baker '01, Sept. 10, UT
George Lee Campeau '08 Att, Oct. 1, UT
Ben D. Clarke '07, Sept. 11, UT
Brent W. Lambert '06 Att, Sept. 9, UT
Steven P. Murphy '06, Sept. 30, UT
Leslie J. Nigh '03 Att, Aug. 24, UT

2010s

Coy Clayburn '13 Att, Sept. 25, UT
David P. Grant '17 Att, Sept. 15, UT
Marina W. Melone '14 Att, Oct. 21, UT
Ruth A. Patterson '15 Att, Aug. 30, UT
Colin Daniel Wiest '09, Oct. 25, UT

FRIENDS

Lila Rae Allred Aug. 21, UT
Sally Ann Beveridge Behunin Aug. 16, UT
Nan C. Booth (Chipman) Aug. 14, UT
Thomas P. Brennan Aug. 31, UT
Jay L. Briscoe Aug. 12, UT
Robert C. Brower Oct. 12, ID
Jeffery S. Brown Aug. 11, UT
LuAnn Burnside Aug. 17, UT
H. Bruce Bylund Aug. 22, UT
Jane Casper Oct. 27, UT
Ray Christensen Oct. 24, UT
Patricia A. Christoffersen Sept. 12, UT
Dale Conway Aug. 4, UT
Lowell J. Crane Aug. 19, UT
Glade Crowther Aug. 3, UT
Jim Cushing Aug. 29, UT
Clifford Noble Cutler Sept. 14, UT
Alan M. DeMille Oct. 8, UT
John DeWaal Oct. 18, UT
James Dickerson Aug. 24, UT
Emily C. Featherstone Oct. 5, NV
Janna Fick Sept. 13, MI
Doris Finchum Aug. 19, UT
Tamra Flanery Sept. 26, UT
Elsie D. Florence Aug. 21, UT
Dixie Daines Freeman Sept. 9, UT
John Gerriets Oct. 17, WY
Roger Grenfell Jan. 16, UT
Marilyn R. Griggs Sept. 3, ID
Peggy Hansen Oct. 19, UT
Judy L. Harris Sept. 3, ID
Lorraine Hart Aug. 23, UT
Norman P. Hill Aug. 24, UT
Earle Hobby Sept. 15, UT
Dorothy Howard Sept. 22, UT
Susie Hulet Oct. 23, UT
Harvey Hulme Oct. 17, UT
Delano D. Hunsaker Sept. 19, UT
Darnell Jackson Aug. 15, UT
William Jensen Sept. 30, UT
Phillip Jones Aug. 10, UT
Rex D. Kiggins Oct. 13, UT
Marianne Kjar-Duerden Aug. 29, UT
Vincent J. Lafferty Aug. 12, UT
A. Grant Laws Oct. 3, UT
John Lister Sept. 3, UT
Barbara Mahas Aug. 22, UT
George E. Marvin Sept. 27, UT
Calvin L. Maxfield Sept. 16, UT
Pamela McQuarrie Oct. 10, UT
Alan Menlove Oct. 4, UT
Myrna Milligan Aug. 21, UT
Amy Miyawaki Oct. 5, UT
Louise Helen Monson Sept. 22, UT
Gerald R. Murray Aug. 17, UT
Irvon Murri Aug. 27, UT
John Noyes Aug. 5, UT
Helen N. Ottens Aug. 1, UT
Beth H. Parkinson Aug. 6, UT
Paul R. Peel Oct. 9, UT
Norma J. Penman Sept. 26, WA
Diane F. Perkes Sept. 9, UT
Chase N. Peterson Sept. 14, UT
Raelene Peterson Sept. 5, UT
Laura Randall Aug. 3, UT
Joy M. Regenthal Aug. 18, UT
Michelle A. Robinson Jul. 31, ID
Kay Russon Sept. 12, UT
Todd J. Seely Jun. 27, UT
Debbie Sheen Aug. 7, UT
Donna L. Simpson Aug. 22, UT
Lillian R. Smith Jul. 28, ID
Wanda P. Snow (Peacock) Sept. 17, UT
Emilie L. Sorenson Sept. 19, UT
Brian Spencer Oct. 20, UT
Iona D. Stoker Oct. 12, UT
Doris Stoliker Aug. 17, FL
Hazel C. Stroud Oct. 15, UT
Paul K. Sybrowsky Sept. 10, UT
Clarke Taylor Sept. 12, UT
Norman E. Taylor Aug. 18, MT
Robyn Thurgood Aug. 26, UT
Lloyd V. Tilt Sept. 9, UT
Karla Tripp Jul. 30, UT
Dan Turner Sept. 4, UT
Carleen Wallace (Anderson) Aug. 18, CA
Kenneth Robert Wells Sept. 29, UT
David A. Wheelwright Oct. 20, UT
Rodger D. Whipple Oct. 8, UT
Mary P. Widman (Potochnick) Oct. 9, UT
Shanna P. Wilkinson (Collings) Aug. 27, UT
Ron Wilson Sept. 21, UT
MacArthur Wright Aug. 8, UT
Grant M. Wyatt Sept. 2, ID
Barbara M. Yeates Sept. 24, UT
Martina S. Zemlock Sept. 25, UT

ATTENDERS

Robert L. Allen Sept. 21, UT
Elaine O. Allred (Olson) Dec. 25, UT
John F. Anderson, Sr. Sept. 11, UT
Douglas Ray Bailey Aug. 9, UT

Richard L. Bryner Sept. 13, UT
Caroline L. Christensen Sept. 5, UT
Stephen C. Demczak Sept. 26, UT
Dennis J. Dooley Sept. 2, UT
Martye L. Dyett Sept. 1, WY
Robert William Erickson Sept. 14, UT
Earl R. Fillmore Sept. 24, UT
Pat Flanigan Sept. 9, UT
Garrett R. Fox Sept. 5, UT
Joyce Frost Aug. 20, NE
Lou Ann L. Grover (Laws) Aug. 8, UT
Kyle M. Hamann Oct. 20, UT
Lynn C. Hannum Sept. 15, UT
Monty Glenn Horrocks Jul. 25, UT
Robert Hurst Aug. 20, UT
Gena Marie Kennedy Sept. 21, CO
Russell A. Kennedy Sept. 22, UT
Max A. Leger Aug. 29, UT
Alan E. Lemons Sept. 29, UT
Richard Medina Jun. 26, WV
Jay Russell Nielson Aug. 8, UT
Kevin R. Olsen Sept. 15, UT
Kristi Leigh Robertson Sept. 12, UT
Sharon Shumway Aug. 27, UT
Suzanne G. Stengel Aug. 18, UT
David Isaac Taylor Oct. 27, UT
Vernon Lee Trask Sept. 14, UT
Bradley J. Turner Oct. 24, OH
John Stuart Waite Oct. 8, AZ
John R. Young Jul. 24, TX
Lawrence Edward Bauer Att, Sept. 18, UT
Lawrence Bianucci Att, Aug. 2, NV
Barbara Bowen Att, Sept. 29, UT
Ruth Brinton (Sanford) Att, Oct. 13, CA
Larry Brog Att, Aug. 1, UT
Garna Butler, Aug. 9, UT
Mabel E. Christiansen (Hartvigsen) Att,
Oct. 26, UT
Mary Lou Cordon (Funk) Att, Aug. 24, UT
James Deaton, Jul. 30, UT
Vonnice Mortensen Diamanti, Sept. 8, CO
Erma L. Evans Att, Oct. 6, UT
Stephen Elvin Featherstone Att, Oct. 12, UT
Valene Geddes Flemmer Att, Aug. 7, UT
Lewis F. Fuhrman Att, Sept. 4, ID
Michael Gilson, Sept. 21, CO
Darlene Stenquist Grubbs Att, Oct. 12, UT
Archie Hamilton, Sept. 20, UT
Paul Nicholas Harrison Att, Sept. 12, UT
Joseph Hinich Att, Aug. 25, UT
Megan Nicole Hodges Att, Jul. 31, UT
Murray Hoki Att, Oct. 23, UT
Lois Lillian Holley Att, Oct. 28
John Houle, Oct. 7, UT
Moonyene Lambert Howells Att, Sept. 25, UT
Virgil "Rip" Jenkins Att, Sept. 30, TX
Kathleen Lindquist Keysaw Att, Sept. 18, AK
Jacketta Jackie King (Sorensen) Att,
Oct. 23, UT
Norene Felt Kopinsky Att, Oct. 10, UT
David Paul Lively Att, Sept. 3, ID
Florence Alcea Deming Magleby Att,
Oct. 4, UT
Gerald C. Maughan Att, Oct. 6, AZ
Bryan C. McDougall Att, Aug. 4, UT
Karen R. McRae (Steadman) Att, Aug. 21, UT
Lloyd F. Migliaccio, Oct. 19, UT
Dallas Christian Nelson Att, Oct. 22, UT
Mary A. Newton Att, Sept. 4, UT
Mark Allen Nielsen Att, Oct. 25, UT
Sue Ann Okelberry (Jaspersen) Att,
Oct. 5, UT
Mac Duane Orison Att, Sept. 6, ID
Neil William Ostheller Att, Jul. 31, WA
Marjorie S. Phillips Att, Sept. 2, UT
JoAnn Brinkerhoff Prue Att, Sept. 22, UT
Douglas Mark Robins Att, Jul. 26, UT
Camille Matthews Sagers Att, Aug. 21, UT
Judy Senior Att, Aug. 5, UT
Donna Shaw Att, Aug. 26, UT
Marjorie Jones Shingleton Att, Aug. 11, UT
Jerilynn Tucker Smith Att, Oct. 25
Robert J. Taylor II Att, Sept. 8, UT
Voneta Arlene Tripp (Miner) Att, Oct. 12, CA
Tiffany Vincent (Morris) Att, Aug. 14, MD
Arthur Dean Wengreen Att, Sept. 28, UT
Raymond Foster White Att, Aug. 31, UT

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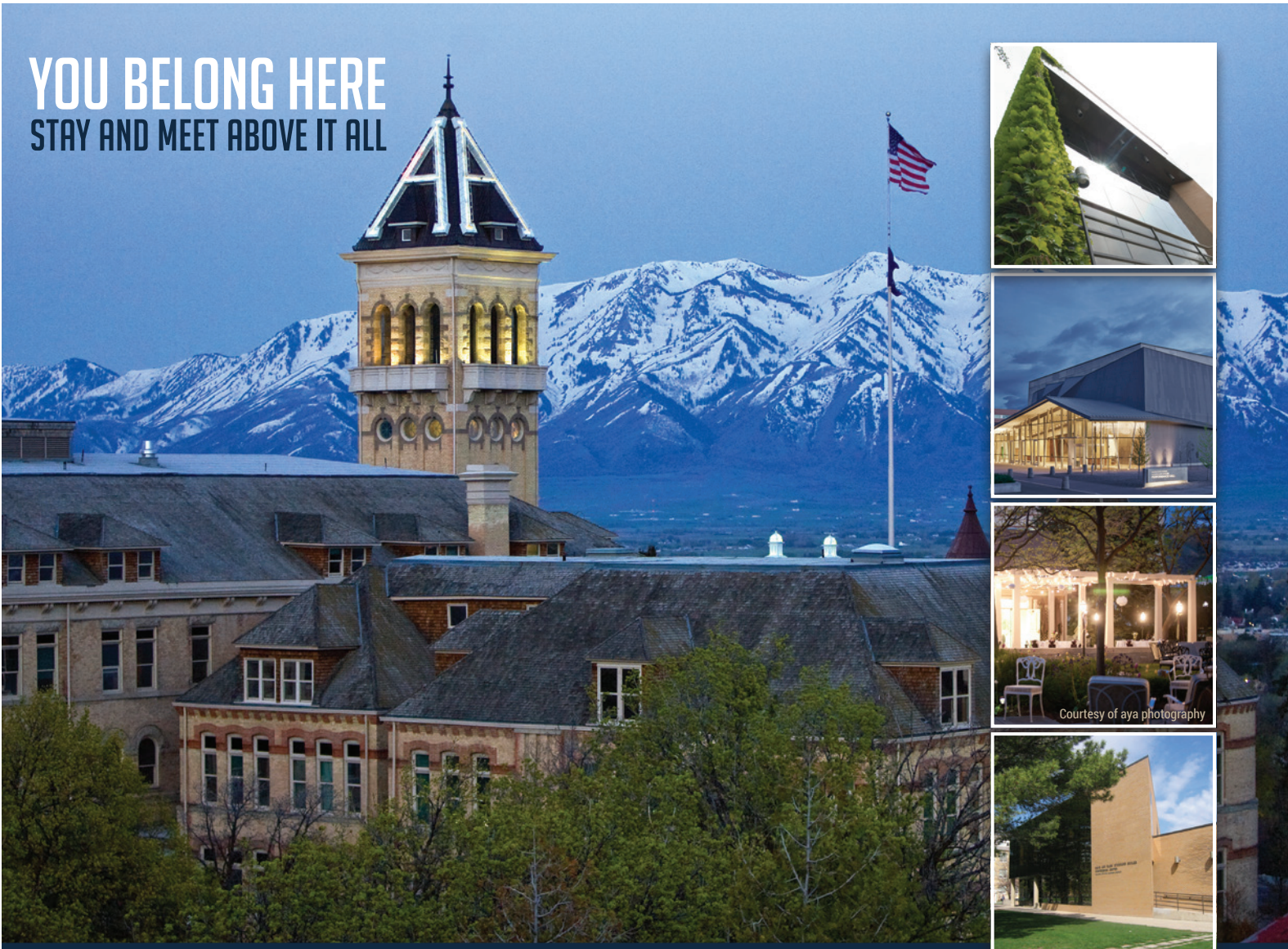
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