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Alumni Magazine Fall 2017

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DR. **DRONE**

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ARE **MERMAIDS** REAL? A CU
SCIENTIST RESPONDS

GANGS IN AMERICA

Be Boulder.



Alumni Association
UNIVERSITY OF COLORADO **BOULDER**

THE RALPHIE ISSUE

NOW

SEPTEMBER 2017

Former *Rocky Mountain News* illustrator Drew Litton has immortalized Ralphie in numerous cartoons over the years. Here's one of his latest, specially commissioned for the *Coloradan*. See others at drewlitton.com.





COVER The Ralpie running tradition started in 1967. Photo by Getty Images/Doug Pensinger.

ABOVE Madalyn Kern (MechEngr'12; PhD'16) at the Catalyze CU Demo Day in July. Her company, ReForm, is developing a low-cost, adjustable prosthetic socket for amputees. Photo by Logan Guerry.

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The buffalo who became Ralpie I arrived in Boulder in 1966. In 1967, her Folsom Field performances took root in CU culture.

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Soon there'll be a degree for that.

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Samuel Boyd has a way with languages.

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Entrepreneurs are coming out of the woodwork at CU Boulder. It's no accident.

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CU football captain **Phillip Lindsay** (Comm'r8) enters his senior season as a top-ranked NFL prospect. There's more to the man than that.

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Summer 1966

EDITOR'S NOTE

Two years ago I spent some time with **Larry Strear** (Art'69) on his Boulder County buffalo ranch for a story about ranchers' role in sustaining the American buffalo population. I don't think I'd ever seen a buffalo up close — close enough to feel her breath — let alone mingled among a herd of 40.

These were plainly powerful animals, commanding respect from mere humans. But they were also calm and unhurried. They munched grass, sauntered to the pond to drink and generally ignored us interlopers, which was fine with me.

I tried to imagine that time, many generations back, when tens of millions of bison roamed the West. What did a stampede sound like? Feel like? What was the scent of the churned earth after they'd passed?

CU Boulder graduates perhaps can imagine better than most. Welcome to The Ralpie Issue.

Eric Gershon



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DR. DRONE

Brian Argrow, the new chair of CU Boulder's Ann and H.J. Smead Aerospace Engineering Sciences department, talks Mars, drones, integrity and why he always books a window seat.

If you could visit any planet in our solar system, which would you pick?

Mars, of course. When I see images from the surface, they often remind me of places I've visited in the American Southwest, and I have so many memories from reading sci-fi books such as Ray Bradbury's *The Martian Chronicles*. It would be fascinating to see just how accurate my youthful imagination was.

You're an expert in unmanned aircraft systems (drones). Do you think they'll become part of everyday life in America?

If you consider the battlefield, tactical and strategic missions of the U.S. military for the past 20 years or so, drones have already been an indispensable part of the lives of many Americans — but only recently in America. The introduction of the FAA's "Part 107" regulation last year finally gave a relatively straightforward path for legitimate drone uses for flights in the U.S. below 400-ft. altitude and away from airports.

I use "legitimate" to separate those who intend to observe the current regulations from the "rogues" who have no intention to abide by the regulations.

NASA also is focused on developing an air-traffic management system in anticipation of the continued proliferation of small drones.

How soon and for what uses?

Small drones have become ubiquitous enough to barely be noticeable. You might have seen News Channel 4 in Denver advertising their "Drone 4," which is just a little DJI Phantom-4 quadrotor.

A partial list of CU's recent drone applications and missions includes atmospheric measurements and profiling, an aerial photogrammetry survey of Chimney Rock National Monument, delivery of real-time pre-storm weather data to the National Weather Service and intercepting supercell thunderstorms in the Great Plains.

A multitude of civilian applications includes search and rescue; powerline, railroad, bridge and river inspection; estuary surveys; large aquatic mammal counts; anti-poaching; and blood and plasma delivery.

What aerospace endeavor that you're aware of seems to offer the

greatest promise for humankind?

As much as I see drones changing the world, I suppose if I had to say what holds the greatest promise to humanity, it would have to be spacecraft with the potential to spread humankind to other planets. Of course, Mars is the first target.

CU Boulder's aerospace program ranks among America's best. How would you like to see it change or grow?

Once, innovation was primarily within specific, well-defined disciplines. Today's innovation is mostly at their intersections.

For example, today's drone technologies are emerging from aeronautics, robotics, intelligent systems and spacecraft (GPS) technologies, with increasingly autonomous technologies starting to emerge in spacecraft, air traffic control and ground-based systems, such as cars.

Our aerospace program continues to grow because of our diversity in disciplines and research, our willingness to collaborate and innovate at intersections and our desire to be leaders in all aspects of engineering education.

What qualities make for a first-rate aerospace engineer?

Curiosity and integrity. Curiosity drives the imaginations at the foundation of engineer-

ing design. Integrity because, if we are to entrust our lives to the technologies of aerospace engineers, we must first have trust in the people that are the engineers.

What first drew you to aerospace engineering?

My first love was astronomy, as far back as I can remember. The Gemini and Apollo programs absolutely captured my imagination. I was 8, about to be 9, for the first moon landing. I was similarly fascinated by the NASA X-plane program, especially the X-15. If it had anything to do with astronomy, and if it involved craft that flew fast or high — preferably fast and high — then it had my undivided attention.

When you travel by air: Aisle or window, and how do you pass the time?

Window seat. When I first started traveling as a professor, I thought it was important for me to have an aisle seat, since I was fancying myself as a businessman. It only took a few trips and I was back in the window seat where I belonged — where I had a clear view of the wings and engines, and great views of things on the ground. Even though I spend most of my time working on my computer, I still look out and down often.

Condensed and edited by Eric Gershon.

Campus

News FALL 2017

No Smoking, Please

BUT MAYBE YOU'D LIKE TO BUY SOME ART?



The hope, she said, is for visitors to leave with a happy token of their experience that inspires a return.

Eads stocks the Art-o-mat with oil paintings, watercolors, jewelry, sculpture and fabrics with animal, plant and other natural history themes or forms. A North Carolina-based artists' co-op, Artists in Cellophane, provides the art. The Art-o-mats come from an affiliated nonprofit.

"We're always looking for new ways to pique students' interest in natural history," she said.

There are about 100 Art-o-mats around the country, according to artomat.org, many in museums and arts centers, but also in

libraries, hotels, restaurants and stores. They've been spotted in Whole Foods.

CU's mirrored model, a smooth, metallic specimen, rust-colored and replete with pull-knobs, previously served up art in Manhattan. After a touchup, it was shipped to Boulder.

"There are many styles of Art-o-mats, as there were many styles of cigarette dispensers," said Eads. "The feel of this one just seemed to fit with the rest of the museum."

Sales help support students in the museum's Museum and Field Study program, and the artwork is easy to carry away — each measures 54mm by 82mm by 21mm, about the size of a pack of cigarettes.

By Timothy Drugan-Eppich

Photo by Glenn Asakawa

BOULDER BEAT By Paul Danish

FALL '67: CHANGIN' TIMES

THE 1967 SUMMER OF Love may not have amounted to much at CU, but the '67 fall semester was another matter.

Hippie culture began seeping into the student body. Student activism turned more radical. And in the city of Boulder there was a political earthquake.

In October CU's recently organized Students for a Democratic Society chapter blocked the entrance to the University Placement Office, where the CIA was interviewing job seekers, prompting a near-riot when students who had other interviews scheduled tried to get past. Nine protesters were suspended for a semester.

By the standards of what came later, the demo was pretty tame stuff. But it marked the moment when student activism switched from early '60s civil rights-style protests to the more militant Vietnam War era-style.

Off campus, the citizens of Boulder voted for a sales tax to buy open space (we called it greenbelts back then), and also to allow booze sales in the city, ending 60 years of local prohibition. The votes profoundly changed Boulder and how CU students would know it.

Today Boulder is completely surrounded by tens of thousands of acres of open space. Without it, Boulder would be a lot more like Aurora, and the CU experience would be much more like that of an urban campus.

Boulder had voted itself dry in 1907, a decade before Prohibition came to the rest of the country. After 1934, 3.2 beer sales were grudgingly allowed.

Between 1933 and 1963, Boulder voters considered six proposals to repeal local prohibition — and rejected all six.

But by 1967 Boulder's population was exploding. IBM alone brought more than 8,000 new employees and their spouses to town.

The newcomers weren't much into temperance. So in November '67 the voters said, in so many words, Happy Days Are Here Again, 9,709 to 3,965.

The City Council wasted no time in belling up to the bar.

It swiftly annexed the enclaves home to a necklace of liquor stores, restaurants and bars surrounding Boulder, including the Harvest House and the Lamp Post, Boulder's two best eateries then.

The total value of the property annexed was almost \$19 million in 1967, about \$138 million today.

The Boulderado Hotel obtained a liquor license for The Catacombs, the first upscale restaurant to open downtown in ages, beginning the area's Lazarus-like resurrection.

Today Boulder has more than 150 bars and restaurants and a vibrant food and entertainment scene. If you haven't been back since 1967, you might not recognize the place.

Except for the soaring, unbuilt mountain backdrop and the breathtaking panoramas of open space sweeping down from Davidson Mesa. That much hasn't changed.

Paul Danish (Hix'65) is a Coloradan columnist.



Photo from 1968 *Coloradan* yearbook

Are Mermaids Real?

AN 8-YEAR-OLD ASKS A CU SCIENTIST FOR THE HARD TRUTH

AS 8-YEAR-OLD CATHERINE SCHWARTZ pondered the existence of mermaids, she decided to seek an expert opinion.

Scientist Cora Randall, chair of CU Boulder's atmospheric and oceanic sciences department, came through.

In June Randall received a letter from Catherine's father, Eric Schwartz, relaying the girl's question about whether mermaids were real.

"She said that her friends all said mermaids are real, but her parents said they are not real, and she wanted to know who was right," said Randall.

The professor was busy — but hardly too busy to take Catherine seriously.

"Even though there's no evidence that mermaids are real," Randall wrote in her typed, one-page response, "I hope you'll continue to imagine what could be. Keep asking questions and trying to understand whether something is true."

A CU faculty member since 1989, Randall said she wanted to encourage Catherine to look for scientific, evidence-based explanations without diminishing her sense of wonder.

"This seemed like such a natural question for an 8-year-old to ask that first I just wanted her to learn the answer," said Randall, an expert in satellite remote sensing of Earth's atmosphere. "But I also wanted to avoid disillusioning her; I wanted her to keep wondering about all the mysteries of the natural world."

Catherine was thrilled to get Randall's response, her father said, if also a little disappointed in the truth. But her enthusiasm for the mythical creatures hasn't waned.

"She still loves mermaids," he said.

By **Christie Soumart** (Jour'12)



CU BRINGS BACK FRATERNITIES

CU Boulder has established its own Interfraternity Council (IFC), allowing Greek social fraternities to affiliate directly with the university for the first time since 2005.

Two fraternities are on board for the 2017-18 school year: Phi Delta Theta and Sigma Tau Gamma. CU is in talks with others.

CU severed ties with social fraternities after pledge Lynn "Gordie" Bailey Jr. died from alcohol poisoning in 2005. Fraternities formed their own off-campus councils but were denied university privileges.

"We know that, for some students, being a member of a fraternity or sorority builds community, provides a support network and frames lasting friendships well beyond their college years," said CU vice chancellor of student affairs Christina Gonzales.

Members of the new CU Interfraternity Council must sign an agreement requiring them to follow all university policies.

HEARD AROUND CAMPUS

"THE FUNCTIONING OF OUR SOCIETY IS BASED IN LARGE PART ON OUR ABILITY TO TRANSPORT FOOD, FUEL AND OTHER GOODS — ACTIVITIES THAT WOULD BE SEVERELY AFFECTED BY A NUCLEAR WAR."

— CU Boulder physicist Brian Toon on his latest study concerning nuclear war's agricultural and oceanic impacts.

WHAT LIVES IN YOUR SHOWERHEAD?

It's a fine time to clean your showerhead — you'll find an entire microbial ecosystem living there.

But Noah Fierer wants a sample first.

The CU Boulder ecology and evolutionary biology professor and colleagues sent 1,500 kits to willing "citizen scientists" in nearly every state, Puerto Rico and parts of Europe, enlisting regular folks to swab their showerheads and return the slime samples to CU for DNA testing.

The researchers are trying to develop a more complete picture of showerhead bacteria communities and the conditions that allow them to thrive. They'll pay special attention to microbes that cause non-tuberculous mycobacterial disease (NTM).

For more on this study, visit colorado.edu/today and search "showerhead."

DIGITS

CU HERBARIUM

A botanical library of dried plants, some dating back centuries.

1902

Year founded

535,000

Plant specimens, lichens and mosses in collection

1862

Date on one of the oldest specimens

5

Years into digitization of collection, housed in Clare Small

50

Percent of plants digitized so far, approx.

FOUR

Days open to public each week

ONE

New book about Colorado flora published with help from the Herbarium

LOOK PLAYGROUND



ALL WORK, EXTRA PLAY

At Kendall Apartments, an affordable housing community in Lakewood, Colo., children play Nerf wars, soccer and “groundies,” the don’t-touch-the-ground version of tag. They swing from monkey bars and scale a rope net amid the smell of fresh cedar.

Resident parents are thrilled — their children, about 65 in all, now have a safe and spacious space to play. The old area was small and crumbling.

Open since June, the new playground is the latest studio project by undergraduate environmental design students at CU Boulder. Predecessors dreamed up and built a tree office and a sustainable bathhouse.

The six-month project, led by instructor Jeremy Ehly, involved interviewing parents and children, obtaining zoning permits, regrading the site and designing and building four separate play areas. The 18 CU students also raised more than \$36,000 for material costs, including a \$25,000 donation from the Northeast Denver Housing Center.

“When we first started the semester, I was completely taken aback by how ambitious we were attempting to be,” said **Jesse Koenig** (EnvDes’17).

But they pulled it off, to squeals of joy.

“While we were putting our finishing touches on and cleaning up everything, the kids kept asking us, ‘Is it ready, can I play?’” said senior **Anne Mosites** (Arch’18). “We had to power wash everything as our last step and the kids started playing the minute we were done; they didn’t even care that it was soaking wet.”

The CU students felt good, too — and were ready for more.

Said Ehly, the instructor, “They’ve already been pitching me projects.”

CS

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University of Colorado **Boulder**

A black and white photograph of a bar scene. A man in a white shirt and tie is sitting at a bar, looking down. Other patrons are visible in the background. The bar has a sign that says "the Sink" and "ON THE HILL SINCE 1923".

the Sink
ON THE HILL SINCE 1923

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A BUFFALO FOR THE BUFFALOES

As a CU freshman in 1965, **Bill Lowery** (Bus ex'69) was shocked to see a costumed buffalo at Buffs football games instead of the real thing.

"I grew up in Texas and in the South-west Conference," he said. "I was used to seeing live mascots."

So the cowboy from Lubbock acted: In fall 1965 he proposed a permanent live buffalo mascot to the Silver and Gold freshman spirit committee.

The idea was a hit, and the group assigned him the key task of finding a buffalo.

By summer 1966, Ralphie I was in Boulder, readying for action.

She wouldn't be the first buffalo to

appear at a CU football game — others, rented or borrowed, had made sideline appearances since at least 1934, when CU adopted "buffaloes" as its nickname. But the arrival of Ralphie I, a calf from Colorado's northeastern corner, set the stage for Ralphie's game-day runs.

Lowery was the right guy at the right time. An animal lover, he'd brought two horses to CU. And his father was a rancher. The elder Lowery paid \$150 for a young female buffalo from Sedgwick County and donated her to CU.

Bill Lowery and three fellow students — incoming sophomore class president **Don Marturano** (Econ'69), **Victor Reinking** (A&S'69) and **John McGill**

(Engl'69), all pictured below — trained the live mascot at CU-owned Green Meadows Riding Ranch in east Boulder, under manager Buddy Hays.

Ralphie made her Folsom debut in fall 1966, according to Lowery and Marturano, who said they ran her on the field at the Oct. 1 Kansas State game. (The spring 1967 yearbook shows a picture, labeled "CU's new buffalo mascot, Ralph," of Lowery and crew escorting a buffalo in a stadium.) CU Athletics endorsed the buffalo dashes in 1967, marking the start of the tradition.

On that October day in '66, Lowery's team loaded Ralphie into a four-horse stock trailer and drove her into Folsom's

north end zone, where the team awaited kickoff. Asked to move, they grabbed Ralphie's ropes and charged onto the field in cowboy boots — flailing, wild, euphoric.

"The crowd went absolutely nuts," said Lowery, now of Vernon, Texas. "I said, 'I think the buffalo is here to stay.'"

CU won the game 10-0.

The next year Ralphie appeared on national television during the Bluebonnet Bowl.

And with that, said **Glenn Porzak** (PolSci'70; Law'73), president of the 1967-68 sophomore class, "She became a celebrity."

By **Christie Sounart** (Jour'12)



50

YEARS OF RALPHIE

PARTS OF THE STORY are well known — documented, verified, as certain as can be. Others are subject to interpretation.

A few parts have been repeated so often that they feel true and important, though the evidence may be thin, contested or dubious.

That's the nature of legends.

In this case, it all adds up to the story of a live buffalo mascot called Ralphie, admired by generations of alumni, friends, fans and — dare we say it — rivals of the University of Colorado Boulder.

You've probably heard about the time, back in 1934, when the *Silver & Gold* student newspaper sponsored a contest to identify a new and permanent nickname for CU, which had been known variously as the Silver and Gold, Frontiersmen, Thundering Herd and other names. More than 1,000 responses flooded in, including six recommending the buffaloes.

We all know who came out on top.

Legends are a mix of hard truth and inherited belief. This fall, should you witness all 1,200 pounds of Ralphie V charging down Folsom Field, there won't be anything vague about the feeling you get.

In honor of the 50th anniversary of the Ralphie live mascot tradition, we've assembled pieces of Ralphie's story, some past, some present. Some of you surely know details that escaped us, or perhaps remember things differently. For posterity's sake, we hope you'll let us know.

As a mascot, Ralphie has entered her sixth decade. Won't you come see her again?



FIRST-CLASS
Treatment

Ralphie is one pampered buffalo. When she takes the field for the Buffs' home opener Saturday, Sept. 9, at noon, she'll have experienced a morning of celebrity-level treatment from her handlers and thousands of fans. Here's a sample of her game-day schedule. Times are approximate.



8:00am Handlers greet Ralphie at her ranch and feed her.



8:30am Load Ralphie into her trailer for the drive to campus.



9:15am Arrive on campus to pose for pictures during Ralphie's Corral football tailgate.



10:45am Load back into the trailer for a drive through campus to pump up fans.



11:00am Ralphie and handlers arrive at Folsom Field.



11:15am Ralphie is dressed in her custom harness and headstall.



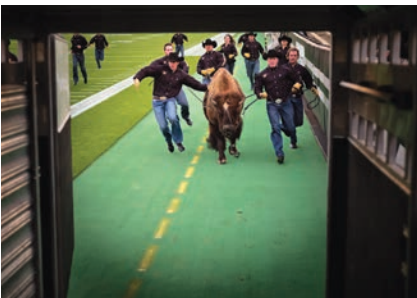
11:30am Handlers warm up and stretch on the football field.



11:40am Ralphie is moved into running position on Folsom Field.



11:55am Ralphie executes her trademark 250-yard sprint.



11:55:25am She dashes into her trailer, where her gear is removed.



1:15pm Ralphie suits up again.



1:30pm Handlers begin their second round of warm-ups.



1:40pm Ralphie thunders across the field at the start of the second half.



1:45pm Handlers and Ralphie head back to her ranch.



2:15pm Ralphie enjoys a celebratory extra five pounds of grass hay.

Q&A: Ralphie’s Vets Drs. Lori and Michael Scott

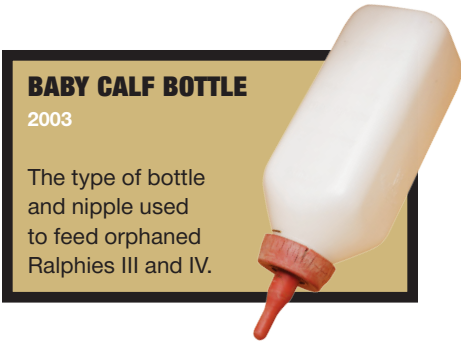
Drs. Lori and Michael Scott of North Denver Animal Clinic have treated animals for nearly three decades — including, for the last 20 years, all the Ralphies, active and retired. Despite the Scotts’ own college ties — the spouses are both Colorado State University grads — they consider CU’s buffaloes part of their family. Mike keeps a framed picture of Ralphie IV on his desk. Here, Lori talks about what it’s like to be the vets for Colorado’s most famous buffalo.

How did you and Michael get involved with the Ralphie program?

We got a call from Kevin Priola [a former Ralphie handler and program director] 20 years ago. Our ad in the Yellow Pages had a buffalo logo, and he figured we would know how to care for one. In fact, in the popular years of buffalo, my husband [Michael] cared for thousands of them.

Do you treat other buffalo?

Yes, we have one client with a herd in Lafayette. There’s about 40 or 50 of



BABY CALF BOTTLE
2003
The type of bottle and nipple used to feed orphaned Ralphies III and IV.

them. We do checkups if they need one, but buffalo are generally pretty resilient and healthy.

What’s involved in a typical checkup for Ralphie?

Things like yearly vaccinations and de-worming. We talk about her overall health, whether we need to change anything in her diet and whether she is planning on traveling anywhere that year.

Have you had to treat Ralphie for anything serious or complicated?

When Ralphie IV was sick with a liver problem, Dr. Mike was there for a while, but she wasn’t treated long. She went very peacefully [in March]. She was a good one.

Does Ralphie’s diet differ much from a wild buffalo’s?

Pretty much these girls graze and are fed hay. It doesn’t differ much from wild ones, except that those in the wild graze on thousands of acres.

How do you know if Ralphie is having an off day?

Not eating is the big key, and if Ralphie V is not as feisty as normal. You can tell by their eyes that they’re not feeling good.

What seems to make Ralphie happiest?

Running on the field, performing and the interaction with humans. Ralphie V loves to lick you and have contact. She is very tactile.

You went to CSU. Does CAM the Ram know you take care of Ralphie?

CAM bestowed the veterinarians’ oath on us. So privately he accepts our healthcare and treatment of a rival school’s mascot...Publicly he never lets on.

Other Universities with LIVE MASCOTS



BAYLOR
Joy and Lady the bears



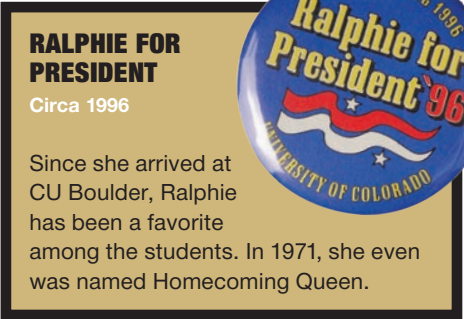
CSU
CAM the Ram



YALE
Handsome Dan the bulldog



USC
Traveler the horse



RALPHIE FOR PRESIDENT
Circa 1996

Since she arrived at CU Boulder, Ralphie has been a favorite among the students. In 1971, she even was named Homecoming Queen.



TEXAS A&M
Reveille the collie



AIR FORCE ACADEMY
Mach 1 the falcon



Girl's Got GAME

RALPHIE HELPS PAY HER OWN WAY IN LIFE — BUT THE FANS DO THE HEAVY LIFTING.

By Eric Gershon

BY AND LARGE, RALPHIE works for free.

But every so often, CU's famed live buffalo mascot takes on a paying gig.

On July 1, she not only appeared at the Folsom Field wedding of **Bernie** (Bus'04) and **Deborah Belin Hund** (Psych'08), she also kicked off the reception, charging the field with her student handlers as guests watched from the terrace of the Touchdown Club.

The Hunds paid \$3,000 for the honor, and were glad to do it.

"It's a whole lot of small things that add up," he said.

FOR INSTANCE...

There's hay, of course, and maintenance on the secret Colorado ranch where she lives. There's transportation to and from campus for practice and games, workout gear and game-day attire for the 16 handlers and a part-time salary for Graves and a stipend for his assistant coach, Taylor Stratton. Har-

nasses, pitchforks, shovels, wheelbarrows and repairs to Ralphie's trailer are all necessary, too.

The list goes on.

Sponsorships and volunteers help keep

expenses down. In 20 years, for example, Ralphie's veterinarians, Drs. Lori and Michael Scott of North Denver Animal Clinic, have never charged a cent for her care, Graves said. (See page 19 for a Q&A with the vets.) The student handlers, as varsity athletes, are unpaid.



RALPHIE HANDLER BOOTS

Circa 1968

Worn by **Marc Applebaum** (Arch'70; MS'73), these boots, along with a cowboy hat, shirt, vest and blue jeans, were part of the uniform for the team that ran with Ralphie from 1968 to 1970.



HANDLER'S COWBOY HAT

Circa 1968

Handlers have been involved with Ralphie since the beginning. The sophomore class was briefly in charge until Ralphie running formally became a CU athletic program.

Still, expenses are expenses, and Ralphie V, like her predecessors, relies on the largesse of her fans to keep going.

VIOLET

"Ever since the beginning, it has been completely funded by fans," said Graves, who's led the Ralphie program since 2014 and manages a South Boulder horse ranch as his day job.

The biggest single donation came in 2002, a bequest of \$40,729.88 from Violet Stromberg, a former teacher with no heirs who died in 2001 at age 96. The gift of her life savings established an endowment called the Ralphie Fund.

A TEACHER ONCE LEFT HER LIFE SAVINGS TO RALPHIE.

Other fans have been steady supporters, contributing an annual average of about \$9,100 over the last five years. Some people give \$1,000, others \$5 — enough to feed her for a day.

Given Ralphie's current costs relative to her spendable income, and some erosion of endowment principal over time, she still needs to bring in money, and Graves is hoping 2017-18 will prove a banner year.

Over the July 4 weekend CU Athletics and its fundraising arm, the Buff Club, opened a \$50,000 crowdfunding campaign at cubuffs.com/ralphie50. It's intended to bolster Ralphie's endowment and limit her paid appearances to a special few each year — the Folsom Field wedding, say, of a pair of proud Buffs.

Photos by Glenn Asakawa

BUFFALO BASICS



What's the difference between a buffalo and a bison?

The terms are used interchangeably in the United States to refer to the American bison (bison bison), North America's largest living mammal. They are related to cattle (what we call cows.)



How big are they?

Mature females weigh about 1,100 pounds and males about 2,000.



How fast do they run?

At top speed, nearly 40 mph.



What do they eat?

Plants: Hay, grass, shrubbery.



What's the natural lifespan of a buffalo?

Female: 20-25 years. Male: 20 years.



Are there still wild buffalo?

Yes. Yellowstone National Park has the largest wild herds, nearly 5,000 animals as of July. Most buffalo live on private ranches and are raised for meat.

Sources: National Park Service; National Bison Association; American Bison: A Natural History, by Dale F. Lott; John Graves



The Art of EXPERIENCE

SOON THERE'LL BE A DEGREE FOR THAT.

By Christie Sounart

JIM DOYLE (THTR'78) KNOWS how to turn a space into a spectacle.

The Academy Award-winning special effects guru masterminded the water-dancing Fountains of Bellagio in Las Vegas, the volcano outside the Mirage hotel nearby and the flame cauldron for the 2002 Winter Olympics in Salt Lake City.

Soon he'll be guiding a new generation of thrill-producers as an adviser to a pioneering new CU Boulder master's program that blends elements of theatrical, lighting and graphic design with aspects of architecture, landscape architecture and engineering.

Fully approved by the Board of Regents, the master's in experience design is preparing to enroll its first students next year. It'll be among the only academic programs of its kind — and a timely addition, as venues aim to add bits of Hollywood and theme park magic to their sites.

"More and more we are being asked to provide these design services to areas where entertainment was normally not thought of a few years ago," said Doyle, director of technical resources at Los Angeles' WET Design. "Where do you get people who have some sort of education in this? You can't."

CU plans to fill the void by educating versatile designers who can transform uninspired or static spaces at hotels and zoos, on cruise ships, in parks, shopping centers and Federal Reserve banks — almost any place that hosts lots of visitors — into visceral, dynamic environments.

"The experience design industry has indicated that the abilities to think through projects, to collaborate effectively and to communicate eloquently are the qualities most lacking among aspirants to their

field," said Bud Coleman, the former CU Boulder theater and dance department chair who has led development of the new degree. "Our main objective is to train a process of thinking."

Over four continuous semesters, students will develop skills in communication, modeling, scenic art, dramaturgy and design technology, for example. They'll also do group projects, devising their own solutions to assignments faced by real-world design firms. And they'll complete internships with firms like Doyle's while developing portfolios.

Few other universities have similar programs, according to Coleman. Savannah College of Art and Design offers an MFA in themed entertainment design, for example. Columbia and Carnegie Mellon offer degrees in aspects of entertainment technology.

Doyle — who won a 1992 Academy Award for technical achievement — and Dave Cooperstein of PGAV Destinations, an architecture and planning firm whose clients include Sea World, NASA and Busch Gardens, have signed on as

early industry advisers. The program will draw heavily on faculty and instructors from CU's theater and dance, environmental design and engineering programs.

"Having someone that has the knowledge and understanding of the collaborative process is incredibly valuable," said Cooperstein, who designed China's Chimelong Ocean Kingdom, one of Asia's top theme parks. "Those are the types of people we can put in a brainstorming session and they can help design an experience no one has ever done before."

Incoming students will represent a wide range of talents. Coleman and program director Bruce Bergner, a theatrical scene designer and artist, expect a meld of creative students who range from novelists and cooks to artists and engineers.

When they graduate, they'll be on a path blazed by Jim Doyle.

"Once people figure out this exists," he said, "you'll have people all over the world who will want to hire them."

Christie Sounart (four'12) is associate editor of the Coloradan.

Behind the BARS

A CU PROFESSOR GOES INSIDE AMERICA'S PRISONS TO STUDY GANG LIFE.

By Lisa Marshall

SEATED INSIDE A WINDOWLESS, soundproof room at the county jail in Fresno, Calif., David Pyrooz was getting nervous.

Across from him sat a gang member awaiting trial for murder, his slick-bald head tattooed with a devil's horn above each temple. His eyes were darting, a sign that — as Pyrooz's professors had warned — the interviewee might be growing impatient.

Pyrooz, then a 22-year-old criminology student, glanced at the button on the wall he'd been instructed to press in case of trouble.

The inmate spoke: "You know, you have to hold that button for two seconds before someone will come."

"I remember thinking 'A lot can happen in two seconds,'" Pyrooz said. He paused, reestablished eye contact and asked the next question.

Fast forward 12 years and Pyrooz, an assistant professor of sociology at CU Boulder, has interviewed hundreds of gang members in correctional facilities and on the streets, searching for insight into how some people manage to avoid or escape what he calls "the snare" of gang life, while others succumb to it and suffer lifelong consequences.

His research comes at a time when 33,000 violent gangs with 1.4 million members are active in the United States and gang violence — though down from its 1990s peak — still plagues cities like Denver and Chicago, where 50 percent of homicides are gang-related. The Trump administration has named one gang, MS-13, "one of the gravest threats to American public safety."



Pyrooz, with several high-profile papers newly published and the largest-ever study of imprisoned gang members in the works, hopes his research can prevent youth from joining gangs and help veteran members escape. His colleagues say the work could also shed light on the power of groupthink and its hold over all of us.

“I have always been fascinated by social groups whose collective power is greater than the sum of their individual parts,” said Pyrooz, a married father of two young children. “We all like to think our accomplishments come from individual merit, but so much of our success is driven by the people in our environment. If it weren’t for the gang, things might have turned out differently for a lot of these guys.”

DODGING THE SNARE

Pyrooz grew up in California in the 1990s, splitting his time between his dad’s house in the Bay Area, where the Norteno gang ruled, and his mom’s house in the Central Valley, Sureno turf.

By 6th grade, he was noticing groups hanging out by their cars, rap music booming, gang signs flashing. Roadside buildings were emblazoned with graffiti.

By high school, some of his friends were in gangs.

Instead, he made salutatorian and landed a scholarship to California State University, where he volunteered to help a criminology professor with research at the local jail. Those first

joining a gang as a teen — as 8 percent of U.S. adolescents do — impact life later on for the gang member?

He found sobering answers: Joiners were 30 percent less likely to earn a high school diploma, 60 percent less likely to earn a college degree, more likely to be unemployed as an adult and lose tens of thousands of dollars in potential earnings — and 100 times more likely to die by homicide.

One subsequent study, subsidized by the Google Ideas think tank, explored how gangs use the Internet. (To brag about their exploits and keep tabs on other members, but generally not for recruitment, it found.) Another looked at similarities between gang members and domestic terrorists (not many, he found).

“What David has done that few others have is place gang membership in the context of what came before it and after it,” said Scott Decker, foundation professor of criminology at ASU. “That kind of understanding is critical when it comes to thinking about how to address this problem.”

THE ART OF THE INTERVIEW

Before arriving at CU in 2015, Pyrooz taught at Sam Houston State University in Huntsville, Texas, a.k.a. “Prison City U.S.A.,” because of its seven correctional facilities.

The closest was a 10-minute walk from his office. He’d often watch newly released inmates file out, ready to start a new life, and wonder how they would do.



The closest of the seven prisons near David Pyrooz's old office was a 10-minute walk. He would often watch the newly released inmates file out, ready to start a new life, and wonder how they would do.

long way toward establishing trust and rapport. He breaks the ice with a friendly question: What are you most looking forward to eating when you get out?

“The number one thing I want to do is treat them as another human being, not a prisoner,” he said.

Then the stories pour out: A six-figure-salary businessman who landed in prison for a white-collar crime and joined the Mexican mafia for protection. A member of a motorcycle gang who got in trouble for fighting, landed in jail and took up with the Aryan Brotherhood. A young man who, at 18, fell in love with a 16-year-old girl. When the relationship went sour, her mom called police. He was charged with statutory rape, went to prison, joined a gang, and never left.

Especially hard to hear are the stories of fathers who missed their children’s lives and of inmates in solitary confinement, whom Pyrooz talks with through a mesh wall.

“You just see a lot of lost potential,” he said. “You go home at night wondering what these guys might have been doing if they weren’t behind those bars. You also wonder: Are they really ready to get out?”

THE TAKEAWAYS

His research has already produced some key conclusions.

First, it’s important to keep kids out of gangs, as 90 percent of juvenile crimes

are committed in groups, and membership’s long-term consequences are grave.

Second, the way kids spend their time, and with whom, matters.

YOU SEE A LOT OF LOST POTENTIAL.

“Working to keep kids busy and monitor their activities, particularly the friends with whom they hang out, along with instilling in children good moral values and coping skills, are the ways in which we can keep youth out of gangs,” said Pyrooz, with a nod to his own attentive parents.

Many inmates he’s interviewed ultimately left their gangs, pulled away by the attractions of other groups comprised of wives or girlfriends, children and grandchildren, employers and friends.

“The stereotype is that these guys are violent predators with zero empathy for other people,” Pyrooz said. “Some of that is true, they have done some very bad stuff. But they still love their kids and want to see their families be successful. If you look at them at one point in time, they may look like the worst person out there, but even that person can change.”

Lisa Marshall (Jour, PolSci'94) is a freelance writer.

33,000 VIOLENT GANGS WITH 1.4 MILLION MEMBERS ARE ACTIVE IN THE U.S.

interviews fed his curiosity about what makes “us” and “them” so different — or whether we really are.

“I was struck by how, in many ways, these guys behind bars were not much different than me or my friends,” Pyrooz said. “They just got caught doing something, and once they got into that web that is the criminal justice system, they had a hard time getting out.”

Later, during doctoral studies at Arizona State University, Pyrooz explored a question few others had: How does

There, he and Decker embarked on a monumental project. They began interviewing 800 inmates, half gang members, half not, 48 hours before they were released, then followed up with them 30 days and nine months later.

The project, still going, has been both gratifying and emotionally taxing, Pyrooz said.

He begins each interview by shaking the inmate’s hand, a gesture that — for someone who has not experienced human touch for months — can go a

INFOGRAPHIC RALPHIES

VITAL STATS

As of August 2017, five individual buffaloes have served as Ralphie, including the incumbent, 11-year-old Blackout. What do you know about each?

Longest-serving
Ralphie I, 12 years

Ralphie that attended most bowl games
Ralphie III, 8 bowls

Debut of first female Ralphie handler
1992, Anne Griggs (Span'97; MS'01)

Shortest-serving
Ralphie II, 9 years

States where Ralphies born



Farthest distance traveled
Boulder to Orlando, Fla.:
Ralphie IV, Champs Sports Bowl Game, Dec. 27, 2005



★ ★ ★ ★ ★ **No. 1** ★ ★ ★ ★ ★

Ralph

CU BUFFS — BOULDER, COLORADO

ACQUIRED—Gift from CU Boulder student **Bill Lowery's** (Bus ex'69) family, which bought her from a Sedgwick rancher for \$150
CAREER HIGHLIGHTS—Ran 75 total games, including 1977 Orange Bowl (vs. Ohio State) and six other bowls
FUN FACTS—Named CU's 1971 Homecoming Queen. Kidnapped by Air Force Academy cadets in 1970. Nominated for student body president in 1968. Had four calves, the last of which ran behind her during 1975 homecoming game.

THE RALPHIE THAT STARTED IT ALL

	YEAR	LOCATION
BIRTH	1965	Sedgwick, Colo.
DEATH	1982	Boulder, Colo.

TENURE
START Oct. 1966
FINISH Nov. 1978

TRAINER
"Buddy" Hays

TEMPERAMENT
Calm

No. 2

FUN FACTS

First named Moon because she was born during a lunar eclipse. During visit to Oklahoma State University in 1986, OSU students spray-painted "OSU" on her side in orange letters.

NICKNAMES
MOON
MOONSHINE



RALPHIE II

ACQUIRED

By a group led by Bank of Boulder president and current CU Regent **Steve Bosley** (RealEs'68; Hon-DocSci'03), from Foxfield, Colo., rancher Gregg Mackenzie

CAREER HIGHLIGHTS

Ran 53 total games, including Freedom Bowl (1985) and Bluebonnet Bowl (1986)

MOONSHINE PASSED AWAY AT THE HUDSON RANCH AFTER CU-STANFORD GAME					
	YEAR	LOCATION	TENURE	TRAINER	TEMPERAMENT
BIRTH	1975	Longmont, Colo.	START Nov. 1978	Gregg Mackenzie	Easygoing
DEATH	1987	Hudson, Colo.	FINISH Sept. 1987		



TEQUILA

CU LIVE MASCOT



COLORADO
BUFFALOES

Born: Laramie, Wyo.
Birthdate: June 1985
Death: Hudson, Colo.
Death date: Jan. 1998
Trainers: Johnnie and Shaaron Parker



No. 3

THE OFFICIAL BUFFS CARD

TENURE	MONTH	YEAR	GAMES RUN
START	September	1987	
FINISH	November	1997	
TOTAL	10 years, 3 months		73

Acquired...Gift from CU Athletics supporters **Johnnie** (Hist'62) and **Shaaron Parker** (Bus'61), who'd bought her from Hudson buffalo rancher Bob Renaud
Career highlights...Ran 1990 and 1991 Orange Bowls
Temperament...Fiery, which led to her nickname
Fun Facts...Reigned as Ralphie during CU's 1990 national championship year.

ROWDY • LIVE MASCOT



BUFFS

ROWDY'S RECORD

	YEAR	LOCATION	TENURE
BIRTH	1997	Montana	START Sept. 1998
DEATH	2017	Colorado	FINISH Aug. 2008

ACQUIRED — Gift from Ted Turner, the CNN founder, who is America's biggest buffalo rancher
TRAINERS — **Johnnie Parker** (Hist'62); **Benny Frei** and **Kevin Priola** (Fin'96)
CAREER HIGHLIGHTS — Ran at 75 total games, including four conference championship games and six bowl games. Also traveled to Athens, Ga., for 2006 game vs. University of Georgia.
Temperament — Calm, sometimes stubborn



FUN FACTS — Survived coyote attack early in life. Lived to be nearly 20 years old, a ripe old age for a buffalo.

No. 4

No. 5



BLACKOUT

H: 5 ft. W: 1,200 lbs. College: CU Boulder

DATE	LOCATION	TENURE
BIRTH Oct. 2006	Vermejo Park Ranch, Cimarron, N.M.	START Sept. 6, 2008
DEATH Living		FINISH Not yet!

RESIDENCE: Secret, undisclosed ranch in Adams County, Colo.
ACQUIRED: Gift from Ted Turner
TRAINER: **John Graves** (Mgmt'09) and **Benny Frei**

TEMPERAMENT: Sociable but independent, always loves to run
FUN FACTS: Wore the Ralphie blanket her first two seasons but has refused since. Largest (1,200 pounds, 5-foot high at hump) and fastest of all Ralphies. Can finish 250-yard run in less than 25 seconds.

CAREER HIGHLIGHTS: As of June 2017, had run at 60 total games, including 2016 Alamo Bowl in San Antonio, Texas.



Photo of Ralphie I courtesy Heritage Center, Daily Camera Collection; Ralphies IV courtesy University of Colorado; © iStock/Mutlu Kurtbas

Better than BABEL

SAMUEL BOYD HAS A WAY WITH LANGUAGES.

By Eric Gershon

LIKE MILLIONS OF AMERICANS before him and after, Samuel Boyd took high school Spanish.

Since then he's learned some other foreign languages, bringing his total, at last count, to 26, including dialects.

He's got room in his head for more.

"I started to learn Sumerian but had some scheduling conflicts," said the 38-year-old CU Boulder professor, referring to a language spoken about 4,000 years ago in Mesopotamia, now



Illustration by Michael Waraska

Boyd's cover band, The Dead Sea Trolls, nodded cheekily to the scholarly life ahead of him.

tradition," Boyd said. "I'm here to help people think critically."

Boyd first grew interested in ancient languages while working as a currency derivatives analyst at a big bank in

Charlotte, N.C. It was the early 2000s and he was fresh out of college.

Inspired by debates about religious fanaticism after the Sept. 11 attacks, by his upbringing in the heavily Christian American South and by a childhood obsession with Indiana

part of Iraq. "I'd like to come back to it."

Nearly all Boyd's languages are "dead" — no longer spoken, except as a scholarly exercise. Few use the Roman alphabet (the ABCs).

But they're all key tools in his work as a professional student of the Bible, the Western world's most famous book.

Reading the languages of the ancient Near Eastern and Mediterranean cultures that produced it some 2,500 years ago helps him assess subtleties lost in translation. It also allows him to decipher contemporaneous records that illuminate context and meaning.

Guiding this work are two endlessly ponderable questions: "What is the Bible, and what are we supposed to use it for?"

These are not questions with final answers.

But meticulous study of the literary and archaeological evidence left

Greek sucked him in.

Jones, he enrolled in an online course in ancient Greek. He wanted to read the New Testament as it was first written.

Greek sucked him in.

"I've got the bug," Boyd told his bosses at the bank, where he also played guitar in a cover band called The Dead Sea Trolls, a cheeky nod to the latent interests that led to a new life.

Within 18 months he'd left finance and begun a master's program focused on extinct languages. He added more as a PhD student.

Biblical Hebrew and Aramaic came after ancient Greek, then Ugaritic and some modern languages, German and French, which he also reads better than he speaks.

Eventually Boyd picked up Akkadian, Syriac and Classical Ethiopic (also known as Ge'ez), as well as Phoenician, Moabite and Hittite, among about a dozen others.

He even helped identify and decipher a lost Aramaic dialect inscribed on a nearly 3,000-year-old monument discovered in Turkey.

Scholars of the Bible tend to know many languages — often half a dozen or so, according to Jeffrey Stackert, one of Boyd's graduate school professors at the University of Chicago. It's really the only way to do the job. Stackert himself knows 12, including dialects.

But even among his peers and mentors, Boyd stands out.

"This level of language competence is pretty uncommon," said Stackert, who called Boyd "a natural" who "combines a remarkable memory with a keen interest and indefatigable drive."

Boyd candidly noted another secret to his success: Many languages in his repertoire are related.

Phoenician, Hebrew and Moabite, for example, belong to the northwest Semitic language family and share many common features, including certain characters used to form words and convey ideas, aspects of grammar and some vocabulary. Punic and Ammonite, once spoken in North Africa and what is now Jordan, respectively, in turn resemble Moabite.

In a Western context, this is like someone knowing Italian and Spanish and adding Portuguese or French — other Romance languages.

Still, it takes a lot of study, and Boyd spent years heads-down.

It helped that "I was a single guy" during graduate school, he said.

Now married with children, Boyd emerged as an uncommon talent whose linguistic abilities make him a versatile scholar.

"He is able to address complex research questions that span significant time, geography and culture and that require considering a number of different types of evidence in ways that few scholars can," Stackert said.

At home at night, Boyd reads *Good-night Moon* and *Where the Wild Things Are* aloud to his children in Hebrew.

Despite his linguistic aptitude, Boyd

Professor Samuel Boyd knows 26 foreign languages, including dialects.

A sample:

1. Hebrew
2. Greek
3. Akkadian
4. Hittite
5. Syriac
6. Aramaic
7. Ge'ez
8. Phoenician
9. Ugaritic
10. Moabite
11. Classical Arabic

doesn't consider himself a hyperpolyglot — a person who speaks lots of languages. (Zaid Fazah of Lebanon claims to read and speak about 60.)

"Texts are my thing," he said.

Predictably, Boyd's office shelves all but sag with dictionaries, which he consults freely — and skeptically.

"Sometimes, the dictionary might be wrong," he said.

Eric Gershon is editor of the Coloradan.

Sometimes the dictionary is wrong.

by biblical cultures informs current understanding of what the Bible's authors meant to convey. This shapes how people interpret and act on those messages now.

"I'm not here to convert anybody out of or into a particular religious

Two big questions guide his work: "What is the Bible, and what are we supposed to use it for?"



START-UP Fever

ENTREPRENEURS ARE COMING OUT OF THE WOODWORK AT CU BOULDER. IT'S NO ACCIDENT.

By Eric Gershon

KIMBERLY DRENNAN HAD TWO goals in late summer 2014, and neither involved starting a business. The CU instructor, an architect, was honing an idea for an upcoming sophomore design studio and aiming to aid America's long-suffering honeybees.

Yet three years later she's CEO of HiveTech Solutions, LLC, a Boulder-based start-up firm developing technology and data services for commercial beekeepers to monitor hive health remotely, enabling timely, efficient interventions.



"All of this was new to me," Drennan said of start-up life.

At root, HiveTech is the product of an idea, an attitude and an increasingly robust CU Boulder entrepreneurial ecosystem that encourages students, faculty and staff to see themselves as enterprise builders — and helps bring enterprises to life.

CU hasn't always been an easy place for would-be entrepreneurs. That began to change after local investors and business leaders convened with CU professors and executives in 2007 to tackle

two big questions: What is an entrepreneurial university, and how could CU Boulder become one?

Among the first initiatives to emerge from the 35-member group's discussion was the New Venture Challenge (NVC), a nine-month, incubator-like program culminating in a spring championship with real money at stake.

In 2016 HiveTech won NVC's grand prize, walking away with nearly \$25,000 in all. The most recent top five finishers netted almost \$100,000 in prizes and private investment. Greater

sums will be on the line in 2017-18, NVC's 10th anniversary.

Since NVC's founding, CU Boulder has vastly expanded support for entrepreneurs across campus. There's broader access to relevant academic courses, new co-working and maker spaces, a selective business accelerator program, intensifying interaction with Boulder's start-up community — and a growing appreciation that entrepreneurship isn't just for MBAs and software developers.





As a CU doctoral student, bee expert Chelsea Cook and two CU instructors co-founded a Boulder firm that aims to help large-scale commercial beehive operators maximize hive health and business efficiency.

“Now it’s really the opposite of 10 years ago,” said the law school’s Brad Bernthal, who oversaw NVC until this year and teaches a popular venture capital course. “It’s a different university.” NVC now falls under the purview of CU’s Research & Innovation Office, home of a burgeoning cross-campus innovation and entrepreneurship initiative.

IDEAS TO ACTION

Amid all this, in 2014, Kim Drennan was exploring projects for her environmental design students.

Scouting a potential site on CU’s East Campus one summer day, she spied a cluster of beehives along Boulder Creek. Aware of the dramatic decline of the honeybee population in recent decades, she wondered if there might be a way to help them through architectural design. Maybe her class could dream up better hives.

Drennan tracked down the hives’ owner, a doctoral student named **Chelsea Cook** (PhD’16), who was studying how bees regulate hive temperature. They then met with Drennan’s faculty colleague **Justin Bellucci** (EnvDes’08; MCivEng’12), an expert in sensors.

“We sat down over martinis and just started talking,” Drennan said.

The idea began to evolve beyond the project her students would ultimately take on. Maybe Drennan, Cook and Bellucci could develop a sensor technology system that would generate data for commercial beekeepers — data about hive temperature and humidity, perhaps, or weight and acoustics. This would add a more scientific dimension to beekeeping, minimize reliance on time-consuming visual inspections and benefit both bees and hive operators’ bottom line.

When Drennan filed an invention disclosure with CU’s tech transfer office, she learned about the NVC and dove in headfirst.

“We wanted to test if our idea could be a business,” she said. “We really didn’t know.”

NVC has deliberately minimal entry requirements. Teams need one person with a valid CU ID — faculty, student or staff — an idea they can articulate and the chutzpah to present it to a live audience in 60 seconds at an annual fall “quick pitch night.” Last year 30 teams showed up, including NVC 9 overall winner Give & Go, which has developed an automated film-editing process for sports teams.

Give & Go ultimately walked away with \$64,000 in seed money. Second-

place finisher ReForm, which is working on self-adjusting prosthetic limb sockets, netted \$21,500.

A year earlier, Cook (now a postdoc at Arizona State University) had made HiveTech’s opening pitch, taking home the award for best idea, the first in a series of successes.

“It was a real shot of energy,” Drennan said — and yet not HiveTech’s biggest score that October night.

Sue Heilbronner, CEO of MergeLane, a firm that cultivates and invests in women-led start-ups, was among the judges. **Peggy Tautz** (MBA’17), then a CU MBA student with an engineering background, was in the audience.

“Sue actually grabbed Peggy’s hand, grabbed me and said ‘Y’all need to talk,’” Drennan said.

Heilbronner went on to mentor HiveTech. Tautz helped the team explain the technical aspects of their evolving project in terms businesspeople could appreciate.

At a later mentor-matching event, the HiveTech founders met other local businesspeople who would help them test their ideas, asking tough questions and unearthing “all the pieces we didn’t have in place,” Drennan said.

“Every time we went to one of those events, some other little golden nugget showed up,” she said.

The HiveTech trio found a name, won midway NVC contests and gradually came to see the firm as both a technology

business accelerator that hastens the formation of actual companies.

Founded in 2014 by the College of Engineering, Catalyze CU offers entrepreneurs of all backgrounds an intensive eight-week summer boot camp: Weekly lectures on business fundamentals plus opportunities to rub elbows with other start-up teams while refining their ideas with mentors and beginning to build businesses. Each team gets a \$4,000 stipend.

Drennan learned about raising capital, business plans, budgeting and types of corporate structures.

She and her co-founders labored over their technology, began talking with potential customers and expanded their idea of what the company could be. Was it just a hardware maker, or a data services and analytics firm, too?

By the end, the HiveTech team better understood their aims and potential and were convinced that an architect, a civil engineer and a biologist could also be entrepreneurs.

That’s the mentality CU wants to foster, said Sarabeth Berk, assistant director of the innovation and entrepreneurship initiative — one that “pushes people beyond what they thought was possible for themselves.”

HiveTech is still in its early stages. The firm is perfecting its technology and fine-tuning its focus to address the needs of large-scale growing operations in particular. But there’s momentum.

The company has grown to six people

CU BOULDER'S START-UP INFRASTRUCTURE IS PAYING OFF.

and data services provider. The founders also polished a five-minute pitch for NVC’s championship round.

In the spring, Drennan, Cook and Bellucci delivered it jointly before a standing-room-only campus crowd.

Before the night was out, NVC 8’s four-judge panel declared HiveTech the year’s overall winner.

ACCELERATION

Fresh off the NVC victory, HiveTech won a spot in another campus program for entrepreneurs, Catalyze CU. Where NVC is a highly-inclusive shaper and filter of ideas, Catalyze CU is a selective

with diverse expertise. It’s testing its latest prototype on dozens of hives while courting customers and investors. And it’s winning notice outside Boulder: The U.S. Dept. of Agriculture recently awarded HiveTech \$100,000 to forge ahead.

“The training wheels are off,” said Drennan. “We are in full-scale execution mode.”

Without NVC and Catalyze CU, HiveTech might be a good idea, she said — but not a business.

“It wouldn’t be anywhere but back in the classroom,” she said.

Eric Gershon is editor of the Coloradan.



TASMANIAN Devil Is an Old Soul

CU FOOTBALL CAPTAIN PHILLIP LINDSAY ENTERS HIS SENIOR SEASON AS A TOP-RANKED NFL PROSPECT. THERE'S MORE TO THE MAN THAN THAT.

By Andrew Daigle

THREE-TIME CU FOOTBALL CAPTAIN **Phillip Lindsay** (Comm, Soc'17), a.k.a. “the Tasmanian Devil,” is best known for his visible exploits: 219 rushing yards in last year’s homecoming romp over Arizona State, a 67-yard trick play touchdown against USC and 1,579 total yards during CU’s storybook 2016 season.

But there’s more to No. 23 than the explosive moves fans see on game day. Away from Folsom Field, Lindsay, a senior from Denver, is an admittedly “old

offers from other schools. “I wanted her to be able to watch my games.”

The 5’8,” 190-lb senior tailback with wild flowing hair relishes being a captain. He keeps on teammates about homework and sleep. He gets to practice early, wears ice packs to class and makes time for visiting local schools and youth groups.

“He’s always pumping us up,” offensive guard **Tim Lynott** (St-Comm’19) told the *Denver Post*. “He just pushes himself to his limits.”

LINDSAY, A SMOKEY ROBINSON FAN, TAKES PRIDE IN BEING A THROWBACK.

soul” for whom family comes first and dogged effort is a deep habit.

He talks fondly of wrestling younger brothers Zachary and Marcus until father Troy would send in big sisters Cheri and Sparkle to settle the score. To this day Lindsay makes time for long bike rides with his dad, card games with his mom, Diane, and family face-offs in dominoes.

“It was big for me to stay near my mom,” said Lindsay, 23, who turned down

Teammates may call him “Old Man Phillip,” as academic coordinator **Medford Moorner** (EthnSt, Soc’04; MEdu’14) confides, but Lindsay, a Smokey Robinson fan, takes pride in being a throwback.

“I want to see you face-to-face,” he said. “With no phone or social media, you have to be real.”

Make no mistake, Lindsay, 23, loves playing football. But it has always been a means to an end: Getting a college

education and making the most of it. “Five kids in our house,” he said. “If we wanted to go to college, we needed to find a way to pay for it.”

True to intent, Lindsay dominated at Denver South High School and earned a full scholarship to CU. He’s risen from practice squad player to elite college tailback. He typically arrives on campus at 4 a.m. and doesn’t leave until after 7 p.m. He has one hour each evening to act like a college kid.

Pure perseverance pushed him through tough times, like when he tore his ACL his senior season at South. Five months after surgery, he had no flexion in his knee. Lindsay thought he’d never play football again. He was down to extreme measures.

“My dad and uncle would hold me down,” he said. “Then they would pop my knee and loosen up all that scar tissue. That’s torture.”

He recovered, redshirted freshman year and excelled on the practice squad. New challenges emerged.

“He was really struggling academically,” says Lindsay’s learning specialist, Michele Brannigan.

She set him on a strict schedule that

involved daily meetings, a checklist to complete each week and generally staying ahead, especially before away games. They’d work through every assignment together, whether for a women and gender studies course or an English class.

“Miss Michele,” as Lindsay calls her, often stayed late to work with him.

The joint effort paid off. Lindsay completed his communication major in May, and this fall, his final semester at CU, he’s earning a second major in sociology.

“He has evolved,” said Brannigan.

Lindsay, who formally graduates in December, got more than academic guidance out of their partnership. He found inspiration.

“Seeing *her* effort pushed *me*,” he said.

Whether or not Lindsay plays pro football, he sees himself one day in a police uniform — a family-focused old soul trained in sociology with a badge, a fierce work ethic and an urge to help.

“I don’t want to be looked at as Phillip Lindsay the football player,” he said. “I want to be looked at as Phillip Lindsay, a man who has changed the world.”

Andrew Daigle (PhDEngl’16) is a freelance writer.

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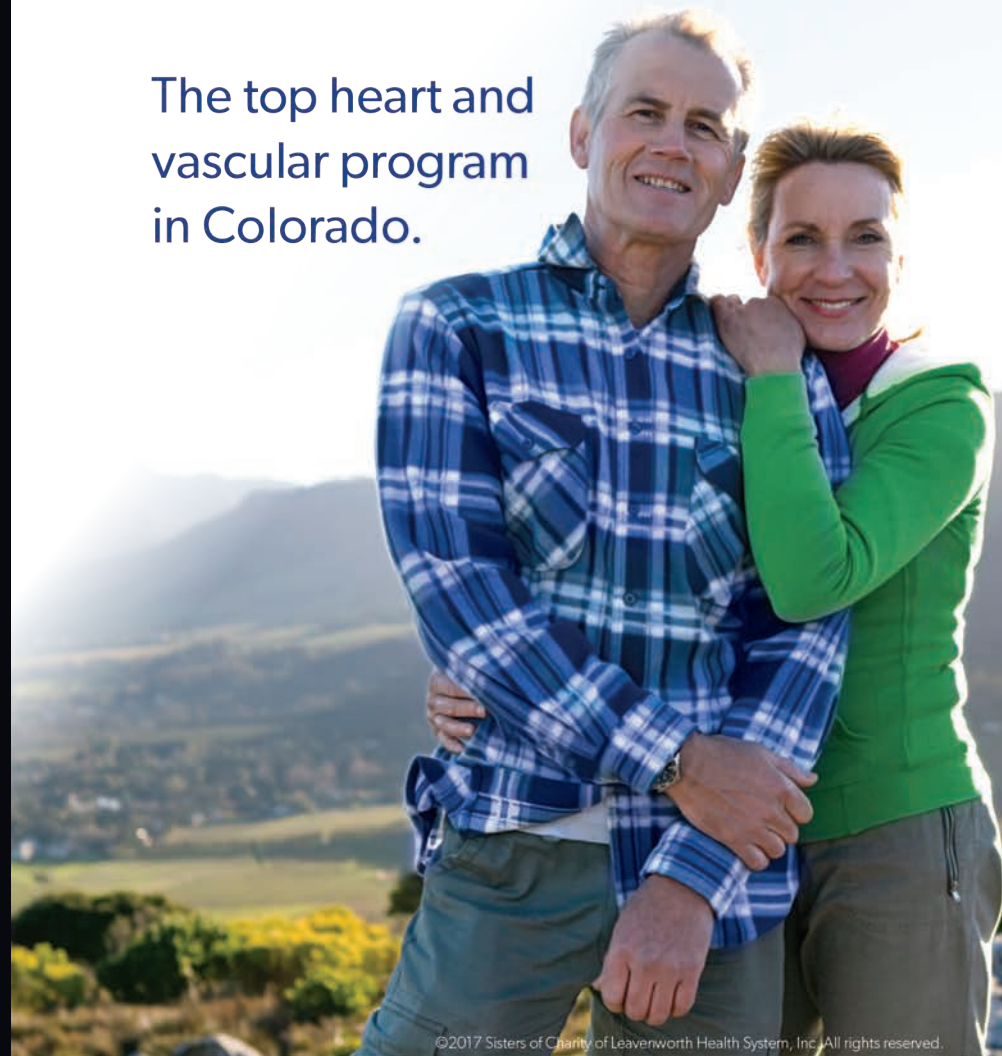
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Alumni

News FALL 2017

Homecoming 2017: Oct. 26-29

REUNIONS, A PARADE, BUFFS ON TAP, ALUMNI AWARDS, LECTURES, FOOTBALL

AT HOMECOMING 1978 FLASH Cadillac and the Continental Kids, still basking in fame from their appearance in George Lucas' film *American Graffiti*, played for about 10,000 people in Balch Field-house. Nearly everyone wore a toga.

"The movie *Animal House* had just been released," said **James Barry** (Econ'79), who planned the event as the head of the Interfraternity Council. "It was the wildest party I remember at CU."

Barry, a member of the Delta Upsilon fraternity while at CU, is eager to reminisce about the event and others during this year's Homecoming Weekend, Oct. 26-29. He's hosting a reunion for all classes of Delta Upsilon, the first in more than 20 years.

"Delta Upsilon was at CU for over 35 years, and in that time over 2,500 members graduated from CU," said Barry, CEO of marketing consultancy Duly Inc.

Barry hopes reunion attendees can "kindle the old spirit," catch up with each other and discuss whether Delta Upsilon should reactivate a chapter in Boulder. (CU announced the launch of a new interfraternity council in July. Two fraternities, Phi Delta Theta and Sigma Tau Gamma, agreed formally to affiliate with the university.)

Also reuniting among nearly 20 other groups are American Indian Alumni, the President's Leadership Class, Black Alumni, Veterans and Latino Alumni. All groups will celebrate at an exclusive reunions

tailgate before the Buffs take on the Cal Bears at Folsom Field, Saturday, Oct. 28.

The weekend kicks off Oct. 26 with the annual Alumni Awards ceremony in the University Memorial Center. Eleven individuals will be honored, including *Uncharted* (formerly *Unreasonable Institute*) CEO **Teju Ravilochan** (IntlA'09), education dean emerita **Lorrie Shepard**



The homecoming toga party of 1978. James Barry remembers it well.

(MEdu'70; PhD'72) and student leader **Alexander Martin** (Geog't8).

During the BuffTalks micro lecture series Friday, Oct. 27, CU experts will succinctly discuss intriguing topics — space and brain injuries, for example — and alumni brewers will showcase their best libations during the Buffs on Tap beer tasting event. From there, the annual Homecoming parade and pep rally will commence on Pearl Street. On gameday, all are encouraged to attend the free, family-friendly Ralphie's Corral tailgate on Duane Field before Ralphie takes the field in her 50th anniversary run.

Register for Homecoming Weekend at colorado.edu/homecoming.

A GROWING CLASS OF SCHOLARS

In 2012, **Benoit Gorgemans** (Bus'21) was the first student to represent Colorado in the National History Bee Finals in Washington, D.C. During a televised broadcast, moderator Al Roker quizzed competitors on topics such as apartheid and the fall of Communism. Gorgemans, who placed eighth, realized the payoff for hard work.

He's not stopping now. Gorgemans joins CU's class of 2021 this fall intending to pursue international business and finance. The Alumni Association is helping him get started: Gorgemans is one of nearly 90 stand-out students to receive a Forever Buffs scholarship.

Funds for the scholarships come from the sales of CU license plates, personal donations and alumni chapter and club events. This year, 86 students received \$158,264, up from 67 and \$151,950 a year earlier.

Some scholarships, 32 this year, are allocated for legacy students — Buffs whose parents or grandparents attended CU Boulder — as part of an endowment left by **George** (Bus'33) and **Helen Lesser** (Psych'31).

Since elementary school, Gorgemans has watched the Golden Buffalo Marching Band perform in Friday-night pep rallies on Pearl Street. Now he's eager to attend as many athletic games as he can.

"CU represents everything that I desire in my college experience," he said.



ALUMNI ASSOCIATION TIDBITS

The CU Heritage Center's approximately 1-million-piece depiction of CU Boulder's campus is getting a makeover. Beginning Oct. 26, visit the expanded exhibit in a larger room. New additions include the business school, the Ralphie-shaped pool and the Champion's Center.



There are two new alumni chapters, in Honolulu and Santa Barbara. **David Markle** (Soc'12) leads the Honolulu chapter and **Ryan Connery** (PolSci'08), a former Phoenix chapter leader, heads the Santa Barbara chapter.

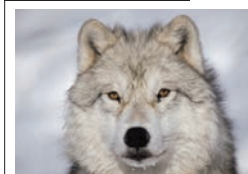


Tailgate with the Alumni Association this fall at Ralphie's Corral, a free, family-friendly pregame on Duane Field starting three hours before each home football game. Ralphie and her handlers will make an appearance for photo opportunities. For away games, check out our equally festive Buffs Bash tailgates.



The Alumni Association welcomes its newest advisory board members: **M. Susan Harvey** (Ger'76), **Mark Lambert** (Econ, Engl'88), **David Knox** (DistSt'82), **Theresa Szczurek** (MBA'84; PhD'89), **Meghan Martelon Evans** (PolSci'89), **Chris Allieri** (EnvSt, LatAmerSt'96), **Amanda Freeberg Donovan** (Mktg'03) and **Jennifer Gray Graves** (Comm'06).

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For more information about the Roaming Buffs travel program, email lisa.munro@colorado.edu, call 303-492-5640 or 800-492-7743 or visit colorado.edu/alumni.



EASTWARD, HO!

CU Boulder's aerospace engineers are preparing to lift off from central campus and land squarely in a burgeoning innovation hub on East Campus.

The Board of Regents in June signed off on a new, 144,000-square-foot aerospace building near other major science facilities a mile east of the main engineering center.

The \$82.5 million project, expected to break ground this fall and open in 2019, will position a prominent and fast-growing academic unit for further expansion and new collaborations within both the university and Colorado's aerospace industry.

"This is a watershed moment, not just for CU aerospace, but for our entire college, the

university and the state of Colorado," said Bobby Braun, the former NASA chief technologist who became dean of the College of Engineering & Applied Science in January. "This facility will be a beacon of innovation."

The building will physically unify six core research areas of the Ann and H. J. Smead Aerospace Engineering Sciences department, re-

cently named after major benefactors, and enable new kinds and methods of research.

Besides labs, classrooms, offices and an auditorium, the building will allow indoor drone flight-testing, enhanced satellite tracking and, through the lobby windows, live-viewing of bioastronautics research.

Read more at colorado.edu/engineering.

IN BRIEF:

1. New aerospace building on East Campus
2. 144,000 square feet
3. \$82.5 million project
4. Expected to open in 2019
5. Unifies six core research areas
6. Enables new methods of research
7. Indoor drone flight-testing



THE BEST INVESTMENT

As a student at CU Boulder in the early 1960s, when costs were far lower than today, I financed my education by working on and off campus during school and over breaks to augment my family's small contribution. It's rare for today's students to be able to do what I did.

Loans are common now and student debt is an issue. Yet it's important to consider loans as an investment rather than just a cost. CU is focusing on educating our students about debt and ensuring they have tools to help them understand and manage it.

At CU Boulder, some 58 percent of bachelor's recipients graduated with debt in 2015. The average debt load was \$26,519, below the national average of \$28,100. Our graduates' loan default rate was 2.7 percent; the national average was 11.8 percent. This tells me our graduates are getting jobs and paying off their loans.

We are educating students about debt and finances. Before prospective students even arrive, we engage them with tools like our Aid Estimator, which projects the cost of education. For cur-

rent students, the Council of Graduate Schools and TIAA funded an initiative to enhance their financial literacy. Several campus offices are collaborating on a program where students create financial plans to determine what type of financial information they need. We identify at-risk borrowers and tailor programs and outreach to assist them.

Declines in state funding increase costs to students, so we continue to work to keep a CU education affordable by finding efficiencies, instituting better business practices and trimming bureaucracy. We realized some \$32 million in savings and cost avoidance last year and \$40 million the previous year.

A college education is perhaps the best investment a person can make, paying financial and other dividends for decades. Most estimates show a bachelor's degree is worth \$1 million or more over a wage-earning life. College graduates also tend to be happier, healthier and participate more in community and civic life. Loans are an unfortunate part of financing college for many, but for an investment that is less than the cost of most new cars, graduates reap a lifetime of benefits.

Illustration by Melinda Josie



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Sports

News FALL 2017

By Jennifer Osieczanek

In the NBA, More Buffs to Cheer For

GUARD DERRICK WHITE DRAFTED BY SAN ANTONIO SPURS IN JUNE

THE BUFFS CONTINUE TO make inroads in the NBA.

The San Antonio Spurs drafted guard **Derrick White** (Mgmt'17) in June, making him the fourth active NBA player from CU in the league.

White spent just one season in Boulder after transferring from the University of Colorado-Colorado Springs (a Division II program) before being selected in the first round, No. 29 overall.

"It was surreal to get that call that I was a first-round pick," White, pictured, told Spurs.com. "All the hard work and dedication that I put into this game, it was definitely a fun time."

White led the Buffs with 18.1 points, 4.1 assists and 1.2 steals per game last season and was named to the Pac-12's All Conference First Team, All-Defensive Team and All-Tournament Team.

He is the third Buff drafted in the first round during Tad Boyle's seven-year tenure as head coach at CU, and fourth selection overall. White joins Utah Jazz guard **Alec Burks** (A&S ex'13), Oklahoma City Thunder guard **Andre Roberson** (A&S ex'14) and Brooklyn Nets point guard **Spencer Dinwiddie** (Comm ex'15) as current NBA players.

Roberson, by far the most high-profile of current Buffs in the league, signed a three-year, \$30 million contract this summer after being named to the NBA's All-Defensive Second Team.

Two more former Buffs, forwards **Josh Scott** (Soc'16) and **Xavier Johnson** (EthnSt'17), joined White and Dinwiddie in the NBA Summer League. Scott suited up for the Portland Trail Blazers and Johnson for the Denver Nuggets.

Meanwhile, Buffs legend **Chauncey Billups** (Soc ex'99) was in the running for multiple NBA front office positions during the spring and summer months. After not getting the Atlanta Hawks' general manager job, Billups was the front-runner for the president of basketball operations job in Cleveland with LeBron James and the Cavaliers. Saying in a statement to ESPN that "the timing just isn't right," Billups decided not to accept Cleveland's offer and remains an analyst for the network.



Photo courtesy CU Athletics



Taylor Kornieck played on two U.S. national teams this summer.

BUFFS BITS At the August IAAF World Championships, **Emma Coburn** (Mktg'13) won gold in the 3,000-meter steeplechase and set a U.S. record. She is the first American woman to win the event. In a thrilling 1,500-meter race, **Jenny Simpson** (Econ, PolSci'09) won silver, her fourth major championship medal. ... Pac-12 Freshman of the Year **Taylor Kornieck** (IntPhys'20) spent her summer playing soccer for two U.S. national teams. Kornieck scored her first international goal and assisted two others while playing in six matches for the U-20 and U-19 squads. ... CU golfer **Robyn Choi** (A&S'20) played in the U.S. Women's Open in July. The third Buff to compete in the event, Choi carded rounds of 76 and 77. ... Women's basketball players **Zoe Beard-Fails** (Advert'17) and **Haley Smith** (MechEng'17) each earned Arthur Ashe Jr. Sports Scholar Awards for their efforts in the classroom, on the court, in the community and student leadership.

CU HALL CLASS HAS FOOTBALL FLAVOR

The 13th class will be inducted into the CU Athletic Hall of Fame Nov. 10 and will feature three former football players and an administrator who has made a name for himself on the national stage.

Stan Brock (A&S'80) and **Mark Haynes** (Comm'81) were each first-round NFL Draft picks coming out of CU. **Chad Brown** (Soc ex'94) was selected in the second round of the 1993 draft. **Steve Hatchell** (Advert'70) didn't play at CU but served as a football team manager before moving up the ladder as assistant to the athletic director and co-sports information director. He left CU for high-profile roles with several conferences, including the Big 8, and also served as executive director of the Orange Bowl. He is currently president and CEO of the National Football Foundation and College Football Hall of Fame.

Joining the football Buffs in the 2017 class are skiing's **Frank Brown** (A&S'59), volleyball's **Karrie Downey** (A&S'95), golf's **Les Fowler** (Fin'48), men's basketball's **Jay Humphries** (A&S'84), women's basketball's **Jamillah Lang** (A&S'94) and cross-country/track standout **Jorge Torres** (Econ'03). Frank Brown and Fowler will be inducted posthumously.

Photo courtesy CU Athletics

STATS

31

Age of runner **Sara Vaughn** (Psych'09) at her first World Championships appearance in the 1,500-meter race in August

15

Strokes under par for **David Oraee** (IntPhys'15) at the Wyoming Open, which he won

98

Buffs who earned conference all-academic honors during the 2016-17 season

7/28

Date 105 football players reported to fall camp, the earliest date in school history

101

Number of Buffs in the CU Athletics Hall of Fame



RALPHIE'S LEADING LADY

Rachel Edson (Soc'18), a 21-year-old senior from Boulder, is one of two women on the 16-member Ralphie Handlers team. Here she talks about life as part of CU's most distinctive sport, road tripping with Ralphie — and getting along with CAM the Ram.

What's it like to be a part of the Ralphie Handlers?

It's a bond that is kind of hard to explain, because it's so different than a regular sports team, because you're also bonded with an animal. There's an aspect of the team that can't communicate with you, so you have to really communicate with each other to get the job done.

Can you read Ralphie's emotions?

You can definitely tell when she's in a new environment. When we took her to the Alamo Bowl, we left her at a ranch an hour away from the stadium. When we first released her into it, she was like, 'What's going on?' It was kind of playful, but taken aback, like, 'Where's my old ranch?'

Is there anything you do that you know makes her happy?

She loves being pet everywhere on her body. We just try to give her as much love and attention as we possibly can. You can't really give her a treat like a dog. You can't take her to the park. Our main thing is just positive reinforcement.

Why did you choose CU — did it have to do with being a Ralphie handler?

My older brother also went here. He's three years older. I was going to run track and I was looking at some other track schools, but then my coach asked me if I'd ever thought about Ralphie running. I thought I would rather try out than never know what would have happened.

What's it like being one of two women on the team?

Generally, I don't notice. It is nice to have another girl on the team to create a tight friendship with, but I also share the same friendships with all the other guys. As girls, we get the same amount of participation in games and practices as the men. Our coach is gender blind by

expecting the same amount of effort and hold[ing] us to the same standard in the weight room and [practice]. I have created the best friendships with the [men] and know that they will always be there to support and protect me.

How does Ralphie relate differently to the women?

On game days, when Ralphie gets a little jazzed up, our coach specifically tells us to sit next to her and talk to her to calm her down a little. I think she feeds off the boys' energy, and they get a little bit hyped up on game days and I think that maybe fuels her intensity. She hears the softness in our voices.

Where does Ralphie live?

We get that question very often, but it's a secret.

What's your best memory of being with Ralphie?

It was a 12- or 14-hour drive [to the bowl in Texas]. We had to stop along the way and make sure everyone got some sleep, but we also had one or two people

making sure she was OK throughout the night. One of my favorite memories is just sitting with her in her little trailer at 5 a.m. making sure she's OK and I'm so tired and she's sleeping.

Is there any sort of rivalry with CAM's handlers at CSU?

No, we all get along with them pretty well. It's sad to say, but it's not really comparable. It's just little CAM and then Ralphie. If they were doing something that was fairly similar to us, maybe we'd have a bit of competition, but we're mostly just friendly and try not to get in the way of each other. We both share the feeling of being with a live animal, so it's not like we're trying to win, because there's no winner.

What advice would you give women thinking of trying out for the team?

As long as you are putting in your best effort, the Ralphie Handling team will not focus on your gender, but your ability.

Condensed and edited by Jennifer Osieczanek.

COLORADO FOOTBALL
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Notes CLASS

40s, 50s, 60s & 70s FALL 2017



Dead & Company, which includes three Grateful Dead members and John Mayer, returned to Folsom Field in June. A year earlier they played the first Folsom concert since 2001. In front: Mayer and Bob Weir.

'48 Bonnie Forsberg Bentson (IntDes) wrote a collection of her memories called *My Life Story*. Bonnie lived in London for 15 years from 1954 to 1969 and adopted four children with her then husband. When she returned to Denver, Bonnie worked for a nationwide travel club. Bonnie has lived in Grand Junction, Colo., for about 25 years.

'60 On June 1 **Linda Rowland Christenson** (Span) and **Eric Christenson** (Edu, Engl) participated in a seminar sponsored by the U.S. Embassy in Paris for the 70th anniversary

READ THE OTHER
DECADES OF CLASS
NOTES ONLINE AT
COLORADO.EDU/COLORADAN

of the Marshall Plan. The venue was the Hôtel de Talleyrand, where the Louisiana Purchase had been negotiated and which housed the plan's U.S. headquarters in Europe. Eric and Linda, co-executive producers of a 1997 PBS documentary on the Marshall Plan, were writers and researchers for occasional projects at the Talleyrand from 2003 to 2010. The couple lives near their two children in Southern Pines, N.C.

'61 The "Then" photo from the summer issue of the *Coloradan* sparked memories for **William Sprecher** (IntIAf). While stationed in France with the U.S. Army during the 1950s, Bill realized that to develop and grow as an individu-

al, a college degree was important. Unsure which college he should attend, he decided on CU Boulder after a coin toss in his barracks bunk bed. Later he was offered a job by the U.S. Department of Labor in Washington, D.C. Bill, who retired from the federal government 15 years ago, lives in Leesburg, Va.

'62 American publisher of biographies Marquis Who's Who named **Charles Harbert** (Chem) a Lifetime Achiever. He is co-inventor of the antidepressant drug Zoloft, and led the chemistry team that first synthesized it. After working in pharmaceuticals for more than 30 years, Charles retired in 1999. Since then, he has published four Colorado history books.

'63 **Larry Kilham** (EngrPhys) launched a tour for his book *The Digital Rabbit Hole*. During his career, Larry traveled extensively overseas for 20 years and worked for several large international companies. He and wife Betsy live in Santa Fe, N.M.

'64 **Josephine Keenan** (MSpChDr) published her second book, *In Those Dazzling Days of Elvis*. Josephine enjoys oil painting, square dancing and cooking Southern dishes. She and husband Frank live in Cincinnati.

'65 **Nancy Smoyer** (Hist) wrote *Donut Dollies in Vietnam: Baby-Blue Dresses & OD Green*, a memoir about her year in Southeast Asia as a Red Cross recreation worker in 1967-68, and the aftermath. She used letters and tapes sent home during her tour as well as emails written to veteran groups since 1993 to recall her memories. She has worked with veterans in various capacities, including as a Vet Center counselor, volunteer at the Vietnam Veterans Memorial and organizer of the Stand Down in Fairbanks, Alaska.

'66 **Marcy Braiker** (Edu, Psych) of Beverly Hills, Calif. was recognized as a Professional of the Year for 2017 by Strathmore's Who's Who Worldwide for her contributions and achievements in nearly 40 years in real estate. Marcy has two sons and five grandchildren. She enjoys skiing, traveling and tango dancing.

'69 **Mildred Taylor** (MJour) is the author of nine books. Her first, *Roll of Thunder, Hear My Cry*, which won the Newbery Medal in 1977, recently celebrated its 40th anniversary with the release of a special edition. At CU Mildred helped create a black studies program and taught in it for two years. She lives in Boulder.

'70 **Ralph E. Lawson** (Acct), chief financial officer and executive vice president of Baptist Health South Florida, served on the national board of directors of the Leukemia and Lymphoma Society from July 1, 2013 to June 30, 2016.

Ron Pippin (Acct) writes he has been living in Wheaton, Ill., since 1991. He is a former audit partner in an international accounting firm (Arthur Andersen), vice-president of SEC and financial reporting for Ameritech Corporation, now part of AT&T and, most recently, editorial managing director of Commerce Clearing House's online accounting research database. He was the Denver Buff Club president in 1986, when Bill McCartney coached the football

team, and holds the same season tickets today. He's "hoping for another National Championship!"

'72 Gunnison Forever Buffs chapter leader **Jim Gelwicks** (CommThtr) was elected mayor of Gunnison, Colo. Jim worked as general manager of KWSB, the Western State Colorado University radio station, for 14 years. Previously he worked as a professor at Florida State University. In June, he attended a CU event in Gunnison during the Chancellor's annual road tour. Olympian **Emma Coburn** (Mktg'13) also attended.

'73 **Barbra Levine Cohn** (RelSt; Engl'77) published *Calmer Waters: The Caregiver's Journey Through Alzheimer's & Dementia*. The guide offers caregivers tools and techniques for feeling happier, more energetic and confident. It contains essays contributed by other caregivers, 20 healing methods that can be incorporated into a daily regimen and the author's personal experience. Barbra lives in Boulder.

WE WANT YOUR NEWS!



Write Christie Sounart,
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BILL LERNER (COMM'78) HELPED DEVELOP HIS FAMILY'S PARKING GARAGE BUSINESS, iPARK, INTO NEW YORK'S LAR- GEST GARAGE AND PARKING FACILITIES OPERATOR.

'74 After working for more than 35 years as sports director at WLNE ABC 6 in Providence, R.I., **Ken Bell** (Comm) is retiring. Ken covered some of the most memorable moments in New England sports history, including the Celtics championships of the 1980s, the Red Sox winning the World Series and numerous Patriots Super Bowl victories. The Colorado native loves to spend time outside running and hiking.

Robert Garroway (MCDBio) has served on the board of the New York State Society of Orthopedic Surgeons since 2013 and will complete his term in 2019. He has been practicing hand and sports medicine on Long Island for 35 years.

'75 Nancy Eckman Clanton (ArchEngr) was elected president of the American Council of Engineering Companies of Colorado's board of directors. Nancy's Boulder lighting design company is Clanton & Associates, Inc.

'78 After more than 32 years, **Robert Garcia** (Art) retired in May from his

position as graphics editor at the *Grand Junction Daily Sentinel*, the largest newspaper between Denver and Salt Lake City. Robert has received more than three dozen awards for newspaper design and graphics from the Colorado Press Association and the Colorado Associated Press Editors and Reporters organization. He writes that his mid-1970s experience in Boulder with the campus minority student newspaper *El Diario de la Gente* was the foundation for his success. In 1995, Robert, a fifth-generation Coloradan, was designated a CU Hispanic Alumni Association Distinguished Alum.

In April, **Katherine Leonard** (Chem, MCD-Bio) presented results of her research study "The Meaning of Touch to Patients Undergoing Chemotherapy" at the United Health Services 25th Annual Oncology Teaching Day in Owego, N.Y. The research was previously published in the *Oncology Nursing Forum* in September 2015. Katherine is a nurse practitioner with SUNY Upstate's adult oncology medicine group's outpatient

clinics. She retired from Upstate Hospital in 2012.

For more than 40 years, **Bill Lerner** (Comm) has helped grow and develop iPark, his family's parking garage business (previously known as Imperial Parking Systems), into New York's largest garage and parking facilities operator. Bill also started the organization Billy4Kids to provide shoes for underprivileged children around the world.

'79 After graduating from CU, **Linda Sasser** (MPsych; PhD'81) taught at two Illinois institutions of higher learning. She was an adjunct psychology professor at Wheaton College and then a full-time education professor at Judson University. In 2013 she began her business, Brain and Memory Health. She is a national speaker on brain health and memory, teaches continuing education workshops for healthcare professionals and has authored a curriculum titled *BE! Brain Enrichment*, which is used in retirement communities and senior centers. Linda and her husband, Carey, live in Bloomingdale, Ill.

PROFILE ANNE CASTLE

EYES ON THE WATER

WHEN THE GRASS IS green and Colorado's reservoirs look full, it can be hard to imagine restrictions on water use in the Centennial State. But **Anne Castle** (ApMath'73; Law '81) knows better than most that shortages elsewhere in the West can affect Coloradans, even when there's snow on the slopes.

She also knows that living with less water will probably become a necessity in the West, as recent droughts in California have proved there.

"There's nothing like a good crisis" to focus attention, said the former high-ranking U.S. Department of the Interior official, now a senior fellow at Colorado Law School's Getches-Wilkinson Center for Natural Resources, Energy and the Environment.

Castle's big picture view comes from a long career in water law and policy, first in private law practice in Denver, then at Interior, where she was assistant secretary for water and science for five years during the Obama administrations.

In that role, she oversaw the U.S. Geological Survey and Bureau of Reclamation, both of which play huge roles in federal water policy, calling it "the best job in Washington."

Castle, a native Coloradan, had effectively been preparing for it for decades.

After graduating from Colorado Law in 1981, she joined the regional firm Holland & Hart in Denver for the next 28 years.

From the start, she worked on interstate and intrastate water litigation, representing diverse clients, including ski areas, mining companies, environmental organizations, ranchers, real estate developers and municipalities.

When she joined the government, she initiated studies that led to innovative, science-based operations. A major accomplishment was a new long-term plan that will guide operations at Glen Canyon Dam, a major hydroelectric power pro-

ducer on the Colorado River in Arizona, for the next 20 years.

Now back at CU, Castle is focused on Colorado's own water plan and Colorado River management policy broadly.

The state aims to help reduce the gap projected between water supply and demand. A particular interest for Castle concerns alternative transfer methods, or ATMs, which are intended to give cities access to new water supplies without permanently transferring land and water rights from farmers and taking agricultural land out of production.

Castle also is working to address the balance between supply and demand in the vast, multi-state Colorado River basin. Today its reservoirs are at about 50 percent of capacity, and the effects of climate change, including rising temperatures, are not going to diminish anytime soon.

No matter who's in charge in Washington, D.C., the Western U.S. — and eventually the whole country — will be forced to plan for a drier future.

For Castle, this means embracing conservation, looking at things like recycling and reuse of water and even desalination.

"When it comes to water scarcity, the West is on the forefront," she said, "but it's coming to a city near you."

By **Kelsey Simpkins** (M'jour'18)



Notes CLASS

80s & 90s FALL 2017



Norlin Quad is home to slackliners, frisbee players, dog walkers and all versions of studying students. Some curl up under a shady cottonwood tree, while others suspend between them.

'81 Director of TrueBlue Inc. and founder of Marca Global LLC **Colleen Birdnow Brown** (MBA) was interviewed by the National Association of Corporate Directors for its May/June 2017 magazine.

'82 **Tracy Hume** (Psych) is a freelance writer in Greeley, Colo., who specializes in writing about the healthcare industry, particularly health information technology. She recently ghostwrote a book about how the changing health

insurance landscape is impacting healthcare providers.

Marsha Piccone (Jour; Law'85) joined Rollin Braswell Fisher LLC in Greenwood Village, Colo. In 2003, Marsha was the sixth woman to be appointed as a judge on the Colorado Court of Appeals.

'83 **Paul Nielsen** (Econ, Russ) enjoyed reading the coverage of *The Amazing Race* contestants **Floyd Pierce** (ApMath, Econ'17) and **Becca Droz** (Anth ex'12) in the summer issue of the *Coloradan*. He also was involved in their season of the show. He has been an editor of *The Amazing*

Race since 2002, and was one of the editors for the episode nominated for a picture editing Emmy Award this year. He writes that he uses the Russian he learned at CU Boulder when they take the contestants there. He lives in Los Angeles.

'84 In August 2016, **Sara Ledes Aiken** (Hist) launched Eastport Pickleball, a manufacturing company located in Annapolis, Md. Her primary business is paddle production for pickleball, one of the fastest growing sports in the U.S.

Joe Bassi (MAstro-Phys) published the book *A Scientific Peak: How Boulder Became a World*

Center for Space and Atmospheric Science with American Meteorological Society Press. It explains the process from the 1930s to 1950s by which Boulder went from a small college town in the foothills of the Rockies to an international center for science.

Journalist **Kim Christiansen** (Jour) joined Denver's 9News' 10 p.m. news team. Kim, a seven-time Heartland Emmy award winner, has worked for KUSA since the beginning of her career. Kim lives in Denver with her husband, Greg, and son Tanner.

'85 Sofinnova, a biotech investment firm, has added **Alan Colowick** (MCDBio) to its partnership. Previously Alan worked as executive vice president for Celgene Corporation, a biotech company that topped *Business Insider's* "Best Employer in America" list in 2013 and 2014. He and wife Casey have two children.

Derek Thompson (CompSci, EIngr) was recognized by Intel Corporation with a promotion to principal engineer. Before joining Intel in 1997, Derek worked as a design engineer for NCR Corporation.

'87 **Kimberly Smith** (Advert) was named executive director of the League of Innovative Schools, a coalition of forward-thinking district leaders representing more than 3.3 million students in 33 states. Kim is an Aspen-Pahara Institute fellow focused on

education leadership and pioneering initiatives.

'88 After a 15-year career in television production and management with KCNC and CNN, **Mark Baker** (Jour) transitioned to a mortgage career in 2001. In 2016, for the fifth consecutive year, he was named a "Top 1% Mortgage Originator in the United States." He has been with SWBC Mortgage Corporation since 2010, originating loans in both Colorado and Georgia.

(RealEst) as director of credit administration. John and wife Molly live in Newport Beach, Calif.

While on a cruise around the British Isles, **Suzy Colglazier Smith** (IntlBus) ran into fellow alum **Randy Kilgore** (A&S'68). Randy was wearing Buffs gear outside the Caernarfon Castle in North Wales, where they took a photo together. Suzy lives in Atlanta, and Randy lives in Colorado Springs.

'89 **Larry Drees** (PolSci;

SARAH KAUSS (ACCT'97), FOUNDER AND CEO OF S'WELL WATER BOTTLE COMPANY, WAS NAMED ONE OF AMERICA'S MOST SUCCESSFUL SELF-MADE WOMEN BY *FORBES*.

Money360, a commercial real estate marketplace-lending platform, hired **John Calder**

MBA'06; MS'09), retired from CU Boulder in February. He served as director of the Buff

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OneCard Program and assistant director of housing information technology. In June, he was elected president of the Alumni Association's Directors Club. He will continue to serve the campus and the community as a mentor, volunteering on various boards and promoting CU as an active alumnus and advocate.

Heather Gates (Acct) was named national managing director for the Emerging Growth Company practice for Deloitte, an audit and tax advising service company. Heather is the first woman in the position.

In June, specialty pharmaceutical company Aytu BioScience named **Gregory A. Gould** (Fin) chief financial officer.

On May 6, actor and director **Scott Takeda** (Jour) was the keynote speaker for CU Boulder's Asian graduation celebration. Scott has been in movies and television shows including *Gone Girl*, *Grey's Anatomy* and *Whiskey Tango Foxtrot*. The Colorado native lives in Denver.

'92 In June, Wooden McLaughlin, an Indianapolis-based law firm, announced that **Mark Boos** (Law) was recognized in *Chambers USA: A Guide to America's Leading Lawyers in Business*. Mark and his wife, Carly, have three children.

'93 Nashville-based Correct Care Solutions, a public

healthcare organization, named **Juan Perez** (Acct) chief financial officer.

'94 In July, London-based telecommunications group GSMA appointed **Laxmi Akkaraju** (MCivEngr) chief strategy officer. Laxmi has more than 20 years of experience in the IT industry in numerous countries, including India, Norway and the U.S. She and husband Sindre Mekjan live in Oslo.

'95 After serving for 18 years as an attorney in public service, **Devona Futch Able** (Law) has accepted an appointment as an administrative law judge for the Social Security Administration in Alexandria, La. Devona lives in Louisiana with her husband and four children.

'96 **Henry Throop** (MAstroPhys; PhD'00) was awarded the Avis Bohlen Award for Exemplary Performance by the American Foreign Service Association in a ceremony held at the Department of State in Washington, D.C. Henry is a senior scientist with the Planetary Science Institute in Tucson, Ariz. He works remotely from his postings in Mumbai, Pretoria, Mexico City and D.C. with his wife, Heidi Hattenbach, a foreign service officer, and their three children.

'97 In July, **Travis Howe** (Fin) joined ESPN as senior vice president of digital ad product sales and strategy. Travis serves as

an executive member of the Interactive Advertising Bureau and also serves on the board of directors for the Lighthouse Guild, a charitable organization providing services to the blind and visually impaired.

In May, *Forbes* called **Sarah Kauss** (Acct), founder and CEO of S'well water bottle company, one of America's most successful self-made women. Also in May, S'well won *Inc. Magazine's* 2017 Design Award for brand design.

'98 In July, Horizon Elder Law & Estate Planning welcomed **Jerald Marrs** (Law) to its team. Jerry, a veteran of the U.S. Air Force, is committed to helping seniors, couples and families through the trying times associated with the aging process. He lives in San Ramon, Calif.

'99 Boulder resident **Kate Lacroix** (Thtr ex'99) is owner of KONTENTLY, a digital content marketing company, and co-producer of Boulder's restaurant week. Yet she considers her most important life accomplishment the donation of her kidney to someone in need. Currently Kate is working with legislation to pass a law that would provide tax compensation for organ donors.

Nick Massie (Econ, Mktg; MBA'10) joined the Colorado State Board of Land Commissioners as assistant director and CFO/COO. He and wife **Holly Nelson Massie** (EnSt, Ger'00) live in Denver.

PROFILE PATRICK BURRUS



CMDR. CRITICAL

U.S. NAVY CMDR. PATRICK "Critical" Burrus' ideal classroom is the cockpit, his specialty, making pilots sweat.

Until recently, **Burrus** (ChemEngr'97) led the Helicopter Maritime Strike Weapons School Atlantic (HSM), which teaches advanced weapons tactics to Navy helicopter pilots and crew.

No desk jockey, Burrus spent three or four days a week in the air with students as they learned to fly low and fast under combat conditions at the controls of a 12-ton Sikorsky MH-60R.

It was about more than technical mastery, Burrus, 47, said: Pilots must fly "aggressively."

"We're here to make them uncomfortable," he said. "We apply the boot. You can't be timid."

Burrus himself began as an enlisted man in 1987. After high school, near Omaha, he qualified as a nuclear technician, serving on a pair of nuclear-powered submarines.

The job earned him his nickname: "Critical" is a nuclear reactor's normal operating state.

Burrus had hoped to become a commissioned officer, which requires a four-year degree, but his parents' divorce tied up his college funds. Still, ambition burned.

By the time his initial six-year Navy stint was up in 1993, he'd fallen in love with CU Boulder following a visit with some high school buddies. The architecture, artists and free-thinkers all caught his attention.

"I saw interesting things I could never think to do, never have the artistic ability to do," said Burrus, who himself would study career-friendly chemical engineering.

With an acceptance letter in hand and some money saved from Navy service, he declined advice to re-enlist, aim for a Navy ROTC scholarship and go to college later.

"Nope, I'm going to UCB next fall," Burrus told his superior officer.

The Navy countered: If he re-enlisted, it would pay his salary. He could attend full-time, earn tuition money and become a commissioned officer.

He accepted and moved his wife and two children (now four) to Aurora.

After CU, Burrus attended Navy helicopter flight school.

Tours of Afghanistan in 2001 and Iraq in 2003 followed. Stateside, he was assigned to Naval Air Station Pensacola as a flight instructor. In 2004, he embedded as an instructor in Iraq, training Iraqi pilots.

In 2011 he returned to Afghanistan to fly medical evacuation missions with the Afghan Air Force. Two helicopters would swoop into battle, one suppressing the threat while the other retrieved the wounded.

This fall Burrus takes on his latest assignment, as "air boss" on the USS Iwo Jima, an amphibious assault ship based in Mayport, Fla. He'll be in charge of the flight deck, the hangars and the airspace.

During the break between Navy assignments, he visited Boulder for the first time since 2003, but skipped the rock climbing and mountain biking he'd enjoyed as a student.

"I broke my back in Afghanistan in a hard landing," he said. "I know my limits."

By Janice Podsada

Notes CLASS

00s & 10s FALL 2017



About 1,000 people participated in the 10th annual Tube to Work Day on Boulder Creek July 14, the most ever. Spectators marveled at the daring tubers, some costumed, some just dressed for work.

'00 Veronica Amey-Perrin (Fren) joined the neuropsychology unit at Ozarks Medical Center in West Plains, Kan. Veronica and husband Jim enjoy hiking and fishing in their spare time and will move to the West Plains area.

Marshall Scallan (Engl) joined real estate services company Cushman & Wakefield as managing director within its capital markets group for the Washington, D.C., region. Outside of work, Marshall volunteers as a sous chef at Miriam's Kitchen, a nonprofit whose mission is to end chronic homelessness.

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'01 Alexander Brown (PhDMechEngr) was named an American Society of Mechanical Engineers fellow, a distinction reserved for only 3.1 percent of ASME's 107,895 members. He works at Sandia National Laboratories and has had an exciting career in fire research, including serving the Nuclear Regulatory Commission as an expert reviewer for nuclear power plant fire assessments for the past decade.

Online marketplace DataStreamX named **Hari Krishnan** (MTeleCom) to its advisory board. Hari is CEO of PropertyGuru Group, Asia's leading online property group.

'02 CU Boulder Veterans Club

leader **Rex Laceby** (Hist) was awarded the Red Cross Armed Forces Hero Award. At the end of his acceptance speech at the Red Cross Heroes Soirée at the Sheraton Denver Downtown Hotel in March, Rex proposed to Sabrina Blosky, now his fiancée. Rex is retired from the Marine Corps after 21 years of service. He enjoys spending time in the mountains, climbing and skiing.

Tracy Bloch Lechner (PolSci) joined the intellectual property department of Denver law firm Brownstein Hyatt Farber Schreck, where she will lead cybersecurity and technology transactions. Previously Tracy worked as vice president for Outfront Media Inc.,

an outdoor media advertising company.

'03 *The New Jersey Law Journal* selected **Nicholas Kant** (Jour; Law'06) as one of the state's New Leaders of the Bar. Nick works as a deputy attorney general for the state.

Kathleen Ratteree (Engl), who works with the Oneida Nation of Wisconsin, a federally recognized tribe of Oneida people, published a book titled *The Great Vanishing Act: Blood Quantum and the Future of Native Nations*. Kathleen and husband **Paul Wochinske** (Acct, MS'03) live in Wisconsin with their daughter.

'04 San Francisco resident **Max Kiefer** (Mgmt) was named director of business development for Healthy Buildings, a consulting firm. Max, who is currently pursuing a master's degree in sustainability from Harvard University, is a member of the U.S. Green Building Council, the Building Owners and Managers Association and the National Resource Defense Council.

Denver resident **Jonathan M. Lucero** (Fin; Law'07) was appointed to sit as a part-time magistrate in Denver County Court. Outside his judicial duties he continues in his private practice as a senior associate with the law firm of Hernandez & Associates.

'05 Alumni Association advisory board member **Chris Deardorff** (Fin;

MBA'09) launched a marketing company, Market Compass, which works with fast-growing startups along the Front Range. Chris is an active member of the CU entrepreneurship community and currently the lead mentor at Boomtown Boulder, a volunteer judge and mentor for CU's New Venture Challenge and a co-founder and board member of the Leeds MBA Board. He is completing a certificate in entrepreneurship and innovation at the Stanford Graduate School of Business.

'06 **Mark Nowakowski** (MMus) was appointed assistant professor of music technology at Kent State University, Stark. His CD *Blood Forgotten* was released on June 9 through NAXOS, the world's largest distributor of classical music. He lives with his wife and three children in Ohio, where he continues to pursue an active career in music composition, writing and teaching.

On Sept. 24, 2016, **Shaun Reed** (AeroEngr) married Cassandra Ilich Reed in front of 200

guests in a traditional Serbian Orthodox ceremony at the home of the bride's parents, Chateau Summerset, in Northern California. Shaun is a licensed mechanical engineer in Denver. The couple enjoyed a month-long African honeymoon on safari in Ethiopia. They also sailed around the Seychelles Islands and toured Morocco. Shaun and Cassandra reside at their home, Sierra Dorado Ranch, in Golden, Colo.

In March, **Ben Rosenberg** (Psych) married **Sarah Czerniejewski** (IntPhys'07) on their 11-year anniversary as a couple. Ben writes that fellow alum and good friend **J. Keith McGlone** (Econ, PolSci'06) officiated the wedding at the C Lazy U Ranch outside of Granby, Colo. They were joined by several other alumni, including **Marc Sandler** (Mktg'06), **Chris Powers** (Hist'06), **Ricka Sterner** (IntPhys'07) and **Nicholas Sorrentino** (MechEngr'05). Ben works as a lecturer at Chapman University in Orange County, Calif. Sarah is a nurse in the ICU at a hospital near their home in Hermosa Beach, Calif.

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'07 Oy!Chicago and the young leadership division of the Jewish United Fund named **Rob Derdiger** (Econ) to the sixth annual Double Chai in the Chi: 36 Under 36 list of young impactful Jewish influencers in Chicago.

'08 Cable Hill Partners, an investment advising company, hired **Kendall Acheson** (IntlAf) as its newest lead adviser. Active in his Portland, Ore., community, Kendall serves on the board of New Avenues for Youth and on the finance committee of the Portland Japanese Garden.

'10 Golden, Colo., native **Jack Jones** (Econ) spent a year and a half on Wall

mother, who received an honorary MBA for attending every class with him to help him take notes. A 2012 accident left Marty a quadriplegic. He lives in Orange County, Calif.

'11 **Ellen Koenig** (Neuro ex), a relation of CU Boulder benefactor **Samuel Koenig** (ElEngr1913), namesake of Koenig Alumni Center, stopped by campus in May to snap a picture with his portrait. Ellen's great grandfather, Rudolph Koenig, was Sam Koenig's brother and mayor of Golden, Colo. A prosecutor in the Brooklyn district attorney's office, Ellen previously served as a law clerk for Judge John G. Koeltl of U.S. District Court for the Southern

in November 2017. In Singapore, he spends his time with his fiancée, Kamilah, and friends, and travels around Southeast Asia when he can. He plans to stay in Singapore for the long term, but will continue to visit Boulder, as it's near and dear to his heart.

'13 **Debby Sneed** (MClass) was named one of 21 Charlotte W. Newcombe Doctoral Dissertation Fellows for 2017 at the Woodrow Wilson National Fellowship Foundation. Debby is completing her dissertation, "The Life Cycle of Disability in Ancient Greece," in the archaeology department at UCLA.

'14 Fashion photographer **Sammy Keller** (Comm) has always loved taking photos. She works for the Denver-based vintage shop Orenda Lou and has also worked with Urban Outfitters. When she isn't doing freelance work, Sammy works full-time at *Rooster Magazine* in Boulder.

Chelsea Miller (IntlAf) and **Will John** (Engl'12) eagerly awaited their Aug. 13 marriage in Boulder. It involved an interfaith Jewish ceremony. The couple began dating six years ago after meeting through rugby at CU. Their first date was a one-on-one rugby match. Chelsea, a full-time law student, also works part-time in Jewish education in New York. Will is a judicial criminal court clerk in Jersey City, N.J.

District of New York. She and her husband live in Manhattan.

'12 After graduating from CU, **Sean Smith** (Comm) moved to Singapore, where he teaches fifth grade at Singapore American School. He writes that he'll start a master's degree program in leadership for international educators

ELLEN KOENIG (NEURO EX'11) CAME BY THE ALUMNI CENTER AND SAW ANCESTOR SAM KOENIG'S PORTRAIT.

Street in New York City before realizing stocks weren't for him. He now works three jobs: Tends bar at Red Rocks, runs his own wine company and plays forward for the Colorado Switchbacks, a professional soccer team based in Colorado Springs, Colo.

In May, **Marty O'Connor** (Film) received an MBA from Chapman University alongside his

PROFILE VINNIE MONTEZ



COMIC RELIEF

SIZING UP AND RELATING to people are must-have skills for Boulder County Sheriff Sergeant **Vinnie Montez** (PolSci'15).

His sideline as a standup comic also helps.

"I believe the essence of a good cop is being a great performer," said Montez, who knows the pressures of hostage negotiation and the bright lights of the comedy club stage.

The dramatic aspects of law enforcement can make for tense moments. A way with jokes helps diffuse stress during arrests, investigations and in the squad car.

"Laughter breaks barriers," said Montez, 41. "Police officers are regular people."

He came to law enforcement early, initially as a fan of *CHiPs*, the TV drama of the 1970s and 1980s about a pair of California Highway Patrol motorcycle officers.

"They were always doing what was right," Montez said of the fictional duo. "There was always a lesson in the show. They talked to people and resolved problems."

At 14, after a ride-along with the Lafayette Police Department, he became an explorer cadet — kind of like a junior apprentice without law enforcement powers — first with Lafayette, then with Boulder County. In 1994, after high school, he was hired as a sheriff's dispatcher, and he's been in law enforcement ever since, rising through the ranks.

Along the way, he attended CU Boulder, doing most of his degree in the 1990s and finishing later, in 2015, while working full-time as a detective sergeant.

"I didn't sleep much," he said.

In 2007, as a counterweight to the stresses of his day job, Montez turned to comedy, making a two-minute "newbie" debut at Comedy Works in Denver.

"I like to tell stories involving my mom, my Mexican heritage and cops," he said. "I'm still perfecting my law enforcement routine."

The shtick has been working. Since 2013, Montez has been promoted to Comedy Works' "almost-famous list," as he called it, a role in which he opens for bigger-name comedians when they come to Denver, folks like Caroline Rhea, Chris D'Elia, Bobcat Goldthwait and John Crist.

Whatever natural talent Montez has, he attributes to his late father, a hard-working, genial man who could "talk to anybody in any situation."

At any sort of social gathering, "It would take him 15 minutes to make an exit," Montez said. "That rubbed off on my brother and me."

Still, comedy takes work.

"I never think, 'I'm just a hilarious guy,'" said Montez, who does as many as six shows a week, always aiming for a laugh within the first 30 seconds. "It's trial and error."

When not performing at comedy clubs, he often takes the stage at benefits for fellow officers and at law enforcement conferences.

"Comedy has kept me from becoming jaded and overly cynical in a profession which has a tendency to drive officers in that direction," he said.

By **Marty Coffin Evans** (Engl'64)

In Memoriam

Bernice Seldin Frieder (MusEdu'37)	Barbara Benedict Brown (Math'53)
Donald P. Irish (Soc'41; MA'50)	C. F. Damon Jr. (Law'53)
Jessie Meador Bowles (Zool'42)	Jack M. Horner (A&S'53)
Robert G. Settergren (CivEngr'42)	George K. Nielsen (ArchEngr'53)
Wayne A. Van Arsdale (Econ ex'43)	Rex B. Simms (EIEngr'53)
James L. Larkin (MechEngr'45)	Anita J. Berry (Pharm'54)
Ruth Browner Scott (Pharm ex'45)	Charles P. Coombs (MechEngr'54)
Mary Neal Bloomquist (HomeEcon'46)	Norton E. Gwynn (Pharm'54)
H. Bruce McFarlane (EIEngr'46; MS'58)	Bonnie L. Souder Hedges (Mus'54)
Ruth Hall Roberts (A&S ex'46)	Thomas J. Madden (A&S ex'54)
Edward M. Tomsic (EIEngr'46)	Gilbert B. Morrill (CivEngr'54)
Marjorie Vining Davidson (Psych'47)	John Shybut (Chem, MPsych'54)
Mary Linendoll Gerke (Math'47)	Jesse M. Cleveland Jr. (Chem, MS'55; PhD'59)
John R. Newell (MechEngr'47)	Roger Dodd (A&S ex'55)
Wesley H. Dieter (Mgmt'48)	Philip G. Esbensen (ArchEngr'55)
Phillip J. Dukes (MechEngr'48)	Charles P. Fisk (A&S'55)
Abner S. McKee Jr. (EIEngr'48)	James M. Hornsby (MMath'55)
Natalie Coursen Slattery (A&S'48)	Jo Ann Anderson Newmyer (MusEdu'55)
Marjorie Sample Chandler (Nurs'49)	Della Jenks Thomas (Chem'55)
Clayton L. Eichelberger (A&S'49; MA'50)	John T. Bickett Sr. (Engr ex'56)
Patricia Wells Huston (MPolSci'49)	Donald W. Burger (AeroEngr, Mgmt'56)
G. Berk Kellogg (Mktg'49)	Patricia Peach Gebura (Mus ex'56)
Robert J. Moore (EIEngr'49)	William E. Clark (A&S'57; Law'59)
Herbert A. Ault (Mktg'50)	Luanne Titley Richie (A&S'57)
Edward Gallegos Jr. (Pharm'50)	Laverne Williams Richmond (Acct'57)
Viron D. Kliewer (ChemEngr'50)	Judith Flickinger Bahney (Edu'58)
Nancy Ball Morkill (DistSt'50)	Paul W. McLean (Geol'58)
Barbara Rauch Nielsen (ArchEngr'50)	Robert G. Reed (EIEngr'58)
Oluf N. Nielsen (ArchEngr'50)	Richard B. Reynolds (A&S'58)
Stanley L. Stekel (Acct, ArchEngr'50)	Wesley H. Sparks (A&S'58)
John R. Strobel (Fin'50)	Ruth Wahl Sullivan (A&S'58)
William L. Winfrey Jr. (Fin'50)	Charles D. Beach (Bus, EIEngr'59; PhDEngr'70)
Kathleen Fay Catanzaro (PolSci, Russ'51)	Cleveland L. Bell Jr. (A&S'59)
Ronald G. Gutru (MechEngr'51)	Justin H. Gershon (Pharm'59)
Richard L. Hackman (MechEngr'51)	Joseph U. Gonzales (Chem'59)
Merle R. Knous (Law'51)	Lamont D. Heyer (EIEngr'59)
Jay E. Lutz (PolSci'51; Law'54)	Quentin E. Karlsrud (MusEdu'59)
Phyllis Forsling Miller (Advert'51)	Diane Chesnut Ritter (A&S'59)
Kermit W. Myers (A&S'51)	Gay Woodruff Smith (Edu'59)
Philip F. Puchner (CivEngr'51)	Karl G. Weber (A&S'59)
Richard R. Thomassen (EngrPhys'51; MAppMath'57)	Calvin E. Woods (MCivEngr'59)
James M. Walter (MechEngr'51)	Richard A. Hamel (EIEngr'60)
James R. Wright (MechEngr'51)	Richard E. Lange (Fin'60)
Ronald I. Zall (A&S'51)	Robert D. Nelson (Jour'60)
Frank L. Zeek (ChemEngr'51)	V. James Rogers (A&S'60; MCompSci'92)
Jack L. Benham (A&S ex'52)	Margaret McMillan Sheehan (MA&S'60; PhD'66)
Verne P. Berry (Geol'52)	Benjamin H. Sorensen (Mgmt'60; MBA'70)
Mathew C. Constantino (A&S'52)	Susan Eiden Bick (Fin'61)
John C. Estes (ArchEngr'52)	Paul A. Criley (Acct'61)
Robert B. Faus Jr. (MechEngr'52)	Mary J. Iverson (A&S'61)
John B. Shattuck (Acct'52)	Kenneth M. Johnson (Chem'61)
	A. Yvette Sole Kaplan (Hist'61)
	Elizabeth J. Langhans (PhDEdu'61)
	Frank N. Speller III (Mus'61;

PhD'68)	
Dorothy E. Dunlap (A&S'62)	
Mary E. Higgins (A&S'62)	
Charles L. Pearson III (A&S'62; MBA'65)	
Gretchen A. Seidl-Smith (A&S'62)	
Donald G. Sherman (EIEngr'62)	
Daniel L. Slanovich (EIEngr'62; Fin'70)	
Lyle A. Sprout (A&S'62)	
James G. Boulgrin (A&S'63)	
Paul R. Fenske (PhDGeol'63)	
Donald L. Gustafson (Geol'63; MS'65)	
Donald R. Hall (A&S'63)	
David W. Kuehn (Mus ex'63)	
Henry K. Mikawa (Acct'63)	
Marlys Enabnit Millhiser (MHist'63)	
Marschula B. Renkel (A&S'63)	
Charles H. Brase (Phys'64; MMath'67; PhD'69)	
Marilyn E. Bruner (PhDPhys'64)	
Vivien A. Casagrande (Psych'64)	
Frank A. Gerhardt (Mktg'64)	
Del G. Ruff (MEdu'64)	
Sheldon L. Shepherd (Law'64)	
Gerald R. Skoll (A&S'64)	
Raymond C. J. Tseng (MAeroEngr'64)	
Carole A. Gibson (A&S'65)	
Maleet Brooks Gordon (A&S ex'65)	
James A. Green (MPsych'65; PhDA&S'67)	
Henry K. Hermann (MEdu'65)	
Robert C. Rhodes (MA&S'65)	
Jerald E. Watson (MA&S'65)	
Rick R. Frederick (ApMath'66)	
Margaret Scheuble Hart (Mus'66)	
Lucille M. Mannion (MA&S'66)	
Charles L. Wilber (Acct'66)	
Harris Kobey (A&S'67)	
Elizabeth A. Sandage-Mussey (Advert'67; MA'70)	
Judith A. Seibert (A&S ex'67)	
Doris E. H. Wisehart (Nurs'67; MS'68)	
Shi Tsan Wu (PhDAeroEngr'67)	
Edward L. Adams (RelEst'68)	
Anita B. Chleborad (A&S'68)	
Melissa Hibberd DeKieffer (Edu'68)	
James M. Hull (Mktg'68)	
Robert M. King (A&S'68)	
Donald W. List (ArchEngr'68)	

To report a death, call 303-541-1290 or 800-405-9488, email records@cufund.org or write Processing, 10901 W. 120th Avenue, Suite 200, Broomfield, CO 80021. Please include date of death and other relevant information.



O. Jeffrey Berven (ChemEngr'69)
Carrol J. Carter (PhDA&S'69)
Douglas Currin (A&S ex'69)
Betty J. Grebe (Engl ex'69)
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Letters

FALL 2017



CRICKETS

LOVED THE ARTICLE ABOUT THE BAUGH BROTHERS AND THEIR CRICKET PROTEIN. I'LL GIVE IT A TRY. A WEBLINK IN THE STORIES ARE AN EASY WAY FOR US TO FOLLOW UP ON YOUR EXCELLENT STORIES. KEEP UP THE GOOD WORK. LOVE READING THE COLORADAN!

Bob Prendergast (Geog'84)
Encinitas, Calif.

BOULDER...CITY

On page 64 of the most recent issue of *Coloradan*, I read that the Gordon Lightfoot song "10 Degrees and Getting Colder" (1971) is mentioned as a song that mentions Boulder. However, Lightfoot mentions that it happened "down by Boulder Dam," over 1,000 miles from here. I'm not sure that Boulder City, Nev., ever gets that cold, and the 10 degrees mentioned may be Celsius rather than Centigrade, as Lightfoot is Canadian.

David S. Wood
(MSpan'69)
Boulder

ANOTHER SONG ABOUT BOULDER

I love reading the *Coloradan* cover to cover. The summer 2017 issue's List

of 10 cited songs that mention Boulder: Please add a song entirely about Boulder — Pure Prairie League's "Boulder Skies."

Glen Peterson
(EnvDes'79)
Seattle

KEEPS ME GOING TO THE MAILBOX

I graduated from CU in 1978 with a degree in geology, but audited a beginning photography class with the venerable Gary Metz. Fast forward to today, and I'm a professional commercial photographer in Phoenix, Ariz. I'm continually impressed with the high quality of photography, editorial content and design layout of the *Coloradan*. It's a stand-out publication, and it's one of the few

things (other than the occasional check!) that keeps me going to the mailbox!

Geoff Reed (Geog'78)
Phoenix, Ariz.

A SAX PLAYER NAMED FLY

Paul Danish's Spring 2017 column says "a jazz musician named Fly would play his sax there," at Doozy Duds. Fly was **Phillip McClard** (MusEdu'69). **Sandy Leviton Reay** (Engl'71)
Monument, Colo.

Correction: In a story about **Megan Mangum** (IntPhys, MS'17) ["Grit," Spring '17], the *Coloradan* reported that she works as a Denver Health flight nurse in addition to her studies at CU Boulder. She does not. We regret the error.

GETTING SOCIAL

Several readers took to the CU Boulder alumni social media channels to voice their thoughts on the Summer 2017 issue. Here's a few:

f After reading "The Risk of Being Undistinguished," in which economist Jeffrey Zax mentioned he hands back papers and tests in reverse alphabetical order, **Dylan Bird** (Econ'03) teased on Facebook: "I hated being one of the last to get my papers back from Professor Zax!"

f When the question was posed in "Su-

perfood" about whether Americans will eat insects, one Facebook reader who goes by Robby Doo commented, "Only sugar coated, or with chocolate," while Elaine Quintana Royale exclaimed, "Oh Hell No!"



Concerning the story about CU scientists showing the way to beat a two-hour marathon, @CUGoose tweeted: "I just assumed the best way to do it is to just have @trackjenny **Jenny Simpson** (Econ, PolSci'09)] or

@emmacoburn [**Emma Coburn** (Mktg'13)] run."

f In response to **Allegra Boggess'** (Mus'07) work teaching music to children in Afghanistan, Robin Kor-evaar wrote on Facebook, "These strong girls are finding their voices musically and in public advocacy. Thank you Allegra for all you have done!"



SOCIAL BUFFS



CU junior **Madison Tarbox** (Mktg'18) spent the month of July in a rural village outside Kathmandu, Nepal, teaching English, planting and harvesting in the jungle and trekking to the Everest Base Camp.

Be noticed. Be supportive. Be proud.



BuffPlates.com

Be Boulder.
CU Alumni Association
UNIVERSITY OF COLORADO BOULDER

LIST OF 10

10 CU NICKNAMES THAT MIGHT HAVE BEEN

Actual mascot proposals prior to the *Silver & Gold's* 1934 national mascot-naming contest.

1. Silver Helmets
2. Wolves
3. Eagles
4. Elks
5. Yellow Jackets
6. Greyhounds
7. Sour-Doughs
8. Big Horns
9. Frontiersmen
10. Fifty-Niners

Source: *Colorado Alumnus* magazine, October 1934



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Coloradan

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THEN

SUMMER 1966

Ralphie I may have looked small when she arrived in Boulder, but she was mighty.

"We had to run for our life to keep up with her," said **Bill Lowery** (Bus ex'69).

To tire the animal before football games, sophomores Lowery, **Don Marturano** (Econ'69), **Victor Reinking** (A&S'69) and **John McGill** (Engl'69) ran her along the perimeter of Boulder's Green Meadows Riding Ranch, where she lived.

But Ralphie was never too worn-out to keep the day's main appointment at Folsom Field. Read more on page 13.

