

Coloradan

Alumni Magazine Fall 2019

ALSO IN THIS ISSUE:

Tulagi on The Hill

The Sound of Silent Film

Mining for Gold in Space

Q&A: Football Coach
Mel Tucker

LOVE THE
COLORADAN?

See pg. 43 for
circulation
update.

He Chalks
the Walk

Chris Carlson's
street art really
comes at you.

Be Boulder.

 Alumni Association
UNIVERSITY OF COLORADO BOULDER



NOW

SUMMER 2019

If it's icky, slimy or smelly, it's fair game.

"Grossology," a five-day CU Boulder camp for elementary school-age children, explores all things "gross" through experiments with slippery, messy things — including dissected animal organs — and lessons in natural happenings, such as how cavities form and what causes skunks' odor.

The camp is part of CU Science Discovery, a program founded in 1983 to offer STEM-focused K-12 summer camps, after-school programs and teacher trainings.



COVER 3D chalk artist Chris Carlson puts the finishing touches on a rendering of Ralphie drawn specifically for this issue. See more on page 17.

ABOVE A century ago, architect Charles Klauder developed CU Boulder's dominant campus aesthetic. On page 35, we explore a central element — the curved roof tiles.

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Making music is a physical pursuit. The CU Music Wellness Program helps performers stay fit.

EDITOR'S NOTE

Words matter. For magazines, so do looks.

That's why we revisit the *Coloradan's* design every so often. We want it to feel fresh, energetic, alive — like CU Boulder itself.

Over the past year, we've worked with our design partner, Pentagram, to refresh our appearance and, we hope, deepen your reading experience. This issue is the culmination of that effort. We've chosen new fonts and typefaces, played with typography and emphasized color and illustration. We've also introduced new storytelling formats — a short Q&A called "What's in My Phone?" and "Artifact," which uses a historical object to illuminate aspects of the CU Boulder experience.

Additionally, we've updated our circulation policy and our frequency — we'll now publish three print issues annually instead of four. See page 43 for details and instructions.

Thanks for reading CU Boulder's first, oldest and biggest-circulation magazine. Keep in touch!

Eric Gershon

CONTACT THE EDITORS AT
EDITOR@COLORADO.EDU



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When the Government Speaks



Helen Norton

Colorado Law professor Helen Norton, author of the new book *The Government's Speech and the Constitution*, examines the nature, complexities and limits of government expression — including whether the president may block you on Twitter.

Could you define 'government speech'?

When I talk about the government's speech, I'm referring to the speech of a governmental body like an agency or a legislature — think of the surgeon general's report on tobacco or a congressional committee report — and the speech of an individual

who speaks when backed by the government's power, like the attorney general announcing official policy or a police officer interrogating a suspect.

What's the difference between the government's free speech right and an individual citizen's? The First

Amendment gives each of us the right to be free from the government's unjustified interference with our speech. But because governments have to speak in order to govern, the First Amendment doesn't forbid the government from speaking on its own behalf — from expressing its own views.

This explains why tobacco companies don't have a First Amendment right to force the surgeon general to deliver their opinions on the benefits of cigarettes, and why the President's critics don't have a First Amendment right to share the podium at the State of the Union address. What the First Amendment protects is dissenting speakers' freedom to write their own reports and hold their own press conferences.

Are there any unambiguous legal restraints on government speech?

Think of government threats that silence dissenters as effectively jailing them, or government lies that pressure targets into relinquishing their constitutional rights as effectively denying those rights. When the government's speech inflicts those sorts of injuries, it violates specific constitutional rights.

But difficult questions arise when we disagree — and often we do — about whether the government's speech has actually caused those harms.

Is there a distinction between 'the government' and individual government leaders? Often it's clear when indi-

vidual government officials speak for the government rather than in their capacity as private citizens — for example, when they issue press releases on government letterhead or otherwise specifically invoke their governmental power. On the other hand, government officials can and do speak as private citizens when they speak on matters unrelated to their governmental position — think, for instance, of a government official's social media platform devoted to her thoughts about soccer or her summer reading list.

In your book, you note many examples of speech by U.S. presidents, including President Trump's tweets. Does a U.S. president using his official Twitter account have the right to block a U.S. citizen from viewing his messages?

Not if he does so simply because he disagrees with them.

When a government official conducts official business on Twitter or other social media platforms, he is speaking as the government. This means his critics don't have a First Amendment right to stop him from tweeting or to change his tweets to their liking — just as they have no First Amendment right to grab his microphone at a public speech.

But when a government official chooses to speak to the public about the government's work through platforms like Twitter that permit the public's commentary, the

First Amendment forbids the government from excluding members of the public just because the government doesn't like their views.

Are you following any interesting government speech cases? A federal appellate court in July issued an opinion in *Knight First Amendment Institute v. Trump*, which involves the issues you raised in your last question. The bottom line is that the court correctly recognized that the First Amendment allows the government to speak to us, including through social media, but denies the government the power to silence or punish our dissent. This case gave the court the chance to remind government officials about the constitutional consequences of their expressive choices.

What got you thinking deeply about government speech? I helped lead the Department of Justice's Civil Rights Division during the Clinton

the years passed, I also became interested in the dark side of the government's speech — the government's destructive expressive choices. This led me to wonder whether and when the Constitution limits the government's speech.

I hear you're a volunteer firefighter as well as a law professor. Shortly after my husband and I moved to the mountains, nearly 10 years ago, we were evacuated for the Four Mile Fire. Our neighbor, a volunteer firefighter, helped keep our home safe while we were gone, and we wanted to pay it forward. I never expected to become a firefighter in my middle years, but I've learned a lot, and I've seen and done things I never expected to see or do.

What do you make of the U.S. Forest Service's Smokey Bear campaign? The Smokey Bear campaign is one of

MAY THE PRESIDENT OF THE UNITED STATES LEGALLY BLOCK YOU ON TWITTER?

administration, so I have some experience with the issues that arise when speaking for the government. After I entered academia, my early work in this area focused on the value of the government's speech so long as its governmental source is made clear. As

the longest-running and arguably most effective examples of government speech of all time. Through Smokey, the Forest Service tells us that "only you can prevent wildfires" — and nobody wants to disappoint Smokey! CONDENSED AND EDITED BY ERIC GERSON

Icebound

CU researchers will join a year-long Arctic expedition to study the changing Earth from an icebound ship

In 1893, Norwegian explorers deliberately froze their ship in the Arctic ice near Siberia in hopes of drifting to the North Pole and studying ocean currents. This September, CU researchers will depart from Norway on a similar mission: Getting stuck in the Arctic ice to study firsthand the region's rapidly changing climate.

The Multidisciplinary drifting Observatory for the Study of Arctic Climate (MOSAIC) expedition will send the German icebreaker *Polarstern* deep into the central Arctic, where it will remain for a full year.

About 500 researchers from 17 countries and many government agencies and universities — including two dozen CU scientists — will rotate in for two-month stints,

ferried to and from the Norwegian mainland by aircraft.

It's a once-in-a-lifetime opportunity for CU's climate scientists, many of whom have studied the Arctic for decades.

"We have a chance to measure the complex interactions between the atmosphere, the ocean and the ice like never before," said atmospheric scientist Matthew Shupe, one of the mission's coordinators and a researcher at NOAA and the CU Boulder-based Cooperative Institute for Research in Environmental Sciences (CIRES).

The researchers' equipment, which includes drones and sleds carrying sensitive instruments, must be weather- and polar bear-proofed before the journey, as replacements will be hard to come by. The scientists and crew will endure months of near-total darkness as the Arctic winter sets in.

It will all be worth it, said Shupe: The planned research projects will inform the next big advances in climate modeling and shed light on how the warming Arctic affects the rest of the globe, including glacial melt and sea level-rise.

"This is an all-star team, bringing expertise from all around the world and working on a shared vision," he said.

BY TRENT KNOSS



Two dozen CU scientists will strand themselves in the Arctic for months.

Sewall of Sewall Hall



Sewall Hall circa 1940. Its namesake lived in Old Main.

On Sept. 5, 1877, the day CU opened, Joseph Sewall, CU's first president and Sewall Hall namesake, was on the steps of Old Main to shake every hand.

There were plenty to shake.

A celebratory procession of Colorado notables and Boulder locals came up the dirt road from town, led by three volunteer fire companies, a Masonic lodge, the governor and the regents — "bearded, high silk hatted and solemn as Egyptian mortuary figures," as Sewall's daughter Jane pricelessly described them. Gilman's brass band belted out "Onward Christian Soldiers."

CU existed entirely within Old Main. It housed classrooms, library, chapel and president's quarters, plus the janitor and his wife. It was cozy.

But life got hard fast.

Here's how Jane Sewall, the president's daughter, described the first winter storm:

"Classes were dismissed early. ... By mid-afternoon, [the wind] swept with gale force down the mountain side. The janitor brought

up a great armful of wood and built a fire in the family sitting room. We all huddled round it, but it only partially warmed us. The icy mountain wind whistled in every crack and crevice."

Suddenly the wind shattered a window. Sewall and the janitor covered it with a blanket, which must have been like trying to furl a sail in a storm.

Drifts would isolate the university for days. Faculty and students, who lived in town, would camp out and cook in the classrooms. Coyotes howled.

Come spring, Mrs. Sewall put in a lawn. Fifty wagonloads of topsoil were hauled in, spread, seeded — and promptly blown into Kansas.

Mrs. Sewall got in touch with her inner pioneer, hauled in more soil and replanted. This time the lawn was covered with old sheets anchored with rocks.

Once removed, they revealed "a lawn of matchless green."

"Generations unborn will bless you, my dear," President Sewall told his wife. "You have made the

wilderness blossom."

Sewall stayed 10 years. Budget battles and controversies ground him down, and in 1887 he resigned.

"I tried to be hopeful, but it was bitter work," he later said.

Yet Sewall deserves to be remembered for a sunnier sentiment, expressed in his 1877 inaugural address:

"When the University of Colorado shall have an honorable place and name among the institutions of learning of the land, and I shall be sleeping in the shadow of these mountains, or elsewhere, I would ask no prouder eulogy than that some good and true friend should say of me,



Joseph Sewall, 1877

"He was in at the birth, he directed its infant steps, and now behold the full grown man!"

Consider it said, Doc. With more than 32,000 students enrolled today — and 340 living in Sewall Hall — the kid's lookin' mighty fine. **PAUL DANISH IS A COLORADAN COLUMNIST.**



English professor Adam Bradley is the author of *The Poetry of Pop* and co-author of *The New York Times* bestseller *One Day It'll All Make Sense*, the 2012 memoir of rapper and actor Common.

Model: iPhone X
Case: Hex wallet

APPS



Waze:
Last downloaded app (to explore the Cayman Islands)



Audible:
Favorite app



Apple Podcasts:
Most-used app



Most-used emoji

iPhone Insights

How soon after waking up do you look at your phone? Under three seconds. I'm checking whether my 6-year-old's waking me up at 5 or 5:30 a.m.

App you can't live without: It's a tie between Audible and the podcast apps. My brain eats words.

App you wish you had the inner strength to delete: Any social media app, starting with Facebook and working my way up.

Last person you called: Probably my wife, the law professor Anna Spain Bradley.

Duration of longest call last week: Just under three minutes, to my wife.

Location of last selfie: Took one with my two girls next to the six-foot inflatable rainbow unicorn lawn-sprinkler I bought them. Father of the Year.

Does anyone else have your passcode? I wouldn't put it past my 8-year-old.

Most-used emoji: The thumbs-up emoji (brown-skinned version) is my new version of "K," which was my new version of "OK," which was my new version of "Okay," which was my new version of actually writing people messages with substance.

First thing you'd do if you lost your phone for a day: Enjoy the silence. ... Then call AT&T and get myself back up and running.

Mining for Gold — in Space

A metal-extracting bacterium could change mining as we know it

Imagine shooting bacteria into space and getting gold in return.

Using biomining techniques — which involves mixing specialized microbes and water to extract metals from rock — it might be possible, according to Luis Zea of CU's College of Engineering & Applied Science.

On Earth, biomining accounts for 15 percent of the copper and 5 percent of the gold extracted. In space, there's opportunity for harvesting much more — and not just copper and gold.

"In space, there are virtually limitless amounts of some of the 44 endangered elements that could face supply limitations here," Zea, an assistant research professor in aerospace engineering, said over the summer.

The asteroid 16 Psyche contains an estimated \$700 quintillion worth of precious metals.

Armed with a seed grant from the CU Boulder Research & Innovation Office, Zea and co-investigator Jesse Colangelo, a geological sciences research associate, will explore the effectiveness of biomining from lunar, Martian and asteroid sources using the bacterium *Shewanella oneidensis* in simulated, reduced-gravity conditions. The bacterium is often found in marine sediments.

The financial impact on Earth could be huge.

Currently, NASA has plans for a robotic exploration of the asteroid 16 Psyche, located between Mars and Jupiter. The asteroid contains an estimated \$700 quintillion worth of nickel, iron and other precious metals.

"Its value is more than the total amount of all money in circulation worldwide," Zea said.

Also, space mining could provide the materials for building future space stations or deep space probes, eliminating the need for rocket loads of material from Earth.

"Space biomining may sound pretty sci-fi today, but it will be a reality in the future," said Zea. "We're uniquely positioned in BioServe to be on the ground floor of this work." BY JOSHUA NELSON AND JEFF ZEHNDER



DIGITS

Super Microscope

1

Titan Krios Cryo-Electron Transmission Microscope for observing detailed cellular architecture

eight

Feet tall

\$5M

Cost

17

CU labs will use it immediately

2,000+

Weight, in pounds

3D

Capability

zero

Other microscopes as powerful in Colorado

Brewed for Boulder

CU Athletics has taken another bold step in its relentless quest for excellence: It now has its own beer.

Boulder-based Avery Brewing Co., in collaboration with the university, introduced “Stam pede” in late August.

The can of the Colorado Gold Lager features an unmistakable rendering of a charging Ralphie by artist Neil Shigley. “Stam pede” will be available on game days at Folsom Field and in the CU Events Center. Stores across Colorado and in select U.S. markets will carry it.



Heard Around Campus

“WE CONTINUE TO FIND EVIDENCE THAT THE NEANDERTHALS WERE NOT INFERIOR PRIMITIVES, BUT WERE QUITE CAPABLE OF DOING THINGS THAT HAVE TRADITIONALLY ONLY BEEN ATTRIBUTED TO MODERN HUMANS.”

— CU Boulder’s Paola Villa on new research that found Neanderthals used a glue-like substance to stick tool pieces together.

Avery, founded in Boulder in 1993, employs several alumni, including classics lecturer and beer archaeologist **Travis Rupp** (MClass’10).

Nail Salon Hazards

Airborne chemicals in a nail salon are similar to those found in an oil refinery or auto garage, according to CU Boulder research. Scientists discovered high levels of indoor air pollutants, including formaldehyde and benzene, in all six Colorado nail salons monitored. Salon employees can face adverse health effects — including cancer — from the pollutants, the study suggests.

“The study provides some of the first hard evidence that these environments are dangerous for workers and that better policies need to be enacted to protect them,” CU engineer Lupita Montoya, the study’s lead author, told *CU Boulder Today*.

ARTIFACT Visiting Cards

Contact Me

Visiting cards of students in the first year of CU’s Prep School, 1877-1878.



Early Graduate

These cards, now part of the CU Heritage Center’s collection, belonged to 1883 graduate Timothy Stanton.

Here’s My Card...

Visiting cards, also known as calling cards, were popular among both men and women in the 19th century. People making a social visit to a home would present themselves by leaving a card, often with a domestic servant. Specific etiquette depended on age and status. Whether plain or elaborately decorated, the card typically listed only the bearer’s name, leaving space for a message.

These cards belonged to **Timothy Stanton** (1883), a member of CU’s Prep School in 1877-78. Stanton subsequently enrolled at CU, graduating with the university’s second class. He went on to a distinguished career in paleontology.

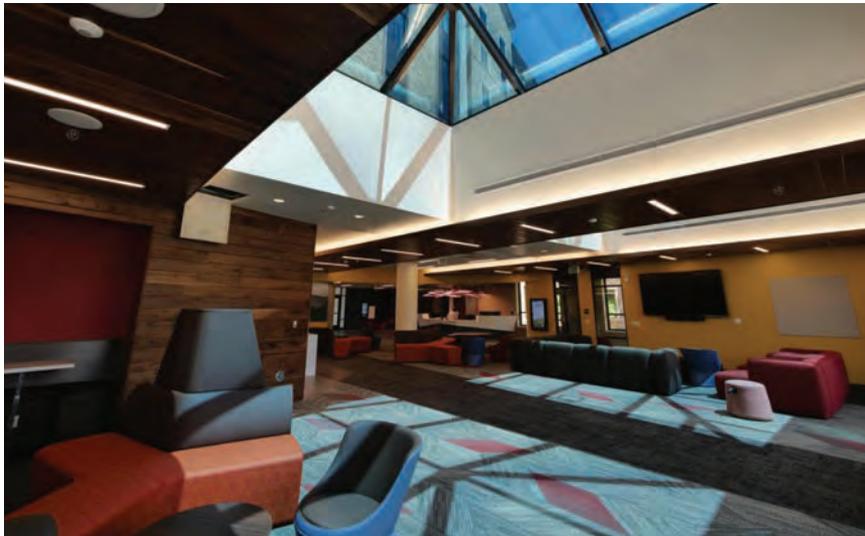
Prep School at CU

The first year of classes at CU Boulder, 1877-1878, were all preparatory school classes — essentially high school classes intended to prepare students for college-level work.

52 students completed the first year of Prep School classes.

16 Women
36 Men





21st-Century Dorm

In August, more than 700 CU Boulder students moved into the university's newest and largest residence hall, Williams Village East. The 178,000-square-foot, seven-story building includes gaming stations on the ground level, a permanent outdoor slack line, hammock poles and external Wi-Fi.

CU has 23 other residence halls for on-campus living, primarily for freshmen. Despite Will Vill's shiny new features, the classic residence halls remain on campus, including Libby, Farrand and Sewall Halls. Share your dorm experience with us! Write editor@colorado.edu.

Dear Buffs,

The *Coloradan* has updated its circulation policy. **See page 43 for details.** Action may be required.

Thank you.

Coloradan



The Tule

During winter break 1971, around Christmas, a disheveled band took the Tulagi's stage on The Hill. The heater was broken, the club was frigid, the crowd was small. One of the musicians strummed a banjo in gloves.

G. Brown (Jour'79), then a CU freshman, (legally) served 3.2 Coors beer from the bar and listened skeptically.

"I remember them saying, 'We're going to be the biggest band in the world,'" said Brown, now executive director of the nonprofit Colorado Music Experience. "I was thinking, 'What are you talking about? There's 30 people here.'"

Less than a year later, the band toured the country with "Take It Easy."

"The Eagles were off to the races to become the biggest American band of the 1970s," said Brown.

In its 1970s heyday, Tulagi, located at 1129 13th St., hosted star acts, including the Doobie Brothers, Linda Ronstadt and ZZ Top.

"Bonnie Raitt was the only artist to help me clean up," said Brown. "She picked up a broom."

Founded in the 1940s, it was first located in what is now the Fox Theater, according to Boulder's *Daily Camera*. In 1948, the owners changed the name to Tulagi, after one of the Solomon Islands. (A tropical painted mural served as the stage backdrop for the venue's entirety.) The club moved next door in 1951.

"We did quite a bit of dancing at the Tule, 'cause it had a nice dance floor," said **Larry Knadle** (Bus'60).

In 1969, Sink owner Herb Kauvar took over Tulagi, said his son **Rick Kauvar** (EPOBio'75). Music promoter Chuck Morris brought in the famed 1970s performers.

After Morris left to open his own nightclub, Tulagi struggled, Rick Kauvar said. In 1973, Herb sold it to three men who defaulted on the lease, and the club changed hands again.

And again.

Still, Tulagi endured into the early 2000s, hosting acts like Big Head Todd & the Monsters and The Samples.

Anne Thurman (Mktg'87) met her husband of more than 30 years there.

"It was April 1987 ... Bahama-Mama Tuesday," she said, recalling that **David Thurman** (Fin'87) called her by the wrong name after their initial introduction. "He was calling me a couple days later asking for a date. Luckily, he then remembered my name is 'Anne.'"

The end came in 2003, when state tax agents seized Tulagi, according to the *Camera*. The Fox Theater bought the business. The building's owners converted it into commercial rental space. Today it's occupied by a yoga studio and a pizza parlor.

The Tulagi sign, in its slanting script, remains — a reminder of good times past. **BY CHRISTIE SOUNART**

In the 1970s, Tulagi hosted star acts, including the Doobie Brothers, Linda Ronstadt and ZZ Top.

THE EVERYWHERE CANVAS

Chris Carlson's art will rise up and grab you. Chalk it up to an open mind.

BY Sarah Kuta

People love to stand, sit, stomp and jump all over Chris Carlson's work.

He encourages it.

A full-time professional artist based in Denver, **Carlson** (Bus'08) travels the world painting and drawing directly on sidewalks, plazas and pavement. His artworks are pelted by rain and hail, walked all over and, eventually, washed or rubbed away.

You won't find them in climate-controlled museums and galleries ("Don't touch the art!") — but they'll stop you in your tracks as long as they last.

Carlson specializes in 3D, or anamorphic, chalk art, a genre that makes you feel as if you're falling into a pit or staring face-to-face with, say, a larger-than-life cartoon character. Now six years into his career, he's emerged as a premier practitioner of the form, creating original pieces at art festivals and conventions as far away as the Netherlands and Paris and working with the likes of Nintendo, Nickelodeon, Hershey and Disney.

It's a line of work that traces its roots to the 16th century, when itinerant artists called "Madonnari" traveled Italy painting on the ground, primarily religious figures.

Today, the subject matter is broader. Carlson draws heavily on pop culture, including video games and cartoons, to great effect.

"Chris is an artist who really understands how to bring joy to people," said fellow chalk artist Nate Baranowski, who calls Carlson's work "whimsical and playful."

Chalk art combines elements of fine art and performance art: Spectators watch the creative process unfold and chat with the artists as they work. Anamorphic chalk art is specifically designed for people to jump into the scene and pose for photos.

It's not how Carlson, now 33, expected to make a living. For most of his childhood in Lakewood, Colo., he wanted to be a stockbroker; he bought his first stock shares in fifth grade. That's what led him to CU Boulder's Leeds School of Business.

But as he got deeper into his finance courses, Carlson realized he didn't have the stomach for playing with other people's money. After graduation, he and his sister opened a hookah bar in Lakewood.

That's when, out of necessity, he discovered his artistic spirit and aptitude: They couldn't afford decorations.

During long, late nights checking IDs, Carlson worked through instructional drawing books and tried to sketch photos he saw in *Time* magazine. Eventually, he painted a backroom floor black and began experimenting with 3D art.

Carlson can thank his CU marketing professors for what happened next: He made a time-lapse video of himself drawing the video-game character Mario. It went viral on YouTube, and before long, he was getting chalk art gigs from companies, festivals, trade shows and conventions.

Carlson had never considered that chalk art might become his career. He didn't imagine there was a market for the work, and he doubted his abilities as an artist. He still gets nervous before he starts drawing in public.

It's a long performance: Each project takes between 18 and 55 hours, depending on size and complexity. On average, he completes about 20 large drawings per year. Some of his favorite projects depict a mash-up of a dog (inspired by his

English bulldog, Banksy, who's named after the world-famous street artist) and a purple dinosaur. Another combines Michelangelo's "The Creation of Adam" with a Darth Vader mask.

"His style is very fine-tuned," said Naomi Haverland, a professional chalk artist in Seattle who met Carlson at the Denver Chalk Art Festival. "He's a perfectionist. He makes sure the blending is perfect and the colors are just right. He doesn't rush anything. But, then, his concepts are super creative, too. He's got a well-rounded artist's arsenal."

A Marie Kondo-esque attitude has also served Carlson well, in work and in life. He describes it this way: "Just be open to what really brings you pleasure and joy or contentment and satisfaction."

Chalk Power
Carlson's work combines elements of fine art and performance art.



Chris Understands
how to bring
joy to people.

Viral Views

Time-lapse Videos of
Carlson's projects have
more than 10 million
YouTube Views.

Party Hat

Anamorphic art pops
off the surface.



Outdoor Lounging

Street painting is an
old tradition.
Carlson finds his subjects
in 21st-Century
pop culture.



Supply list for a professional chalk artist:

Tempura paint, to make a
base layer on the pavement
that can be washed away
later, or acrylic paint, for
permanent installations.

Soft pastel chalks.

Photoshop.

A tablet and pen for digital
drawing.

Sunscreen — lots of it.

Knee pads, elbow pads, pad-
ded gloves and a gardening
pad (to sit or lean on).

Water, for drinking during
blazing hot days.

Inspiration, wherever you
can find it.

ENVIRONMENTAL JUSTICE FOR ALL

Low-income and minority families still bear the brunt of toxic pollutants. Jill Harrison wants to know why.

BY LISA MARSHALL

THIS PAGE: Warren County, N.C., 1982
PAGES 23-24: NYC Solidarity Rally for Flint, 2016

Teresa DeAnda had just gathered her family for dinner in the backyard of her modest home in California's Central Valley when her eyes and throat began to burn.

At first, she joked that her homemade salsa must be too spicy.

Then things took a serious turn.

All across the dusty farm community of Earlimart, residents began to fall ill that warm evening in November 1999. Some vomited or felt short of breath. Many called 911.

"People were scared," said CU Boulder sociologist Jill Harrison. "No one knew what was happening."

By the time Harrison interviewed DeAnda two years later as part of her doctoral research, the mystery had been solved: Earlimart residents, including DeAnda, had been exposed to a toxic fog of metam sodium, an agricultural pesticide that had drifted into town after application on a nearby field. Ever since, the working-class, largely Latino community had been afflicted by a wave of miscarriages, cancer diagnoses, asthma and birth defects.

While it's impossible to say how much that night's exposure contributed to these health outcomes, DeAnda herself ultimately died, at age 55, of liver cancer.

"That experience really changed me," said Harrison, looking at a photo of herself and DeAnda. "It made me realize that, notwithstanding all the accomplishments made in terms of wilderness

protection and improving air and water quality, there are still massive pockets of extraordinary environmental harm persisting in the United States. And race and class play a huge part in that."

Since then, Harrison has traveled the country interviewing regulators, environmental justice workers, activists and industry stakeholders, asking this: Why, as the broader environmental movement has flourished, do people of color and the poor still face disproportionate exposure to environmental hazards?

Some people point fingers at industry. Others blame anti-regulatory conservatives.

Through her research, Harrison — who studies the cultural roots of environmental inequality — has pulled the curtain back on an uncomfortable truth: Well-meaning progressives working to solve environmental problems sometimes overlook, even exacerbate, the unique challenges facing vulnerable communities.

"A lot of people are trying to do the right thing for the environment," she said. "But sometimes doing the right thing for you doesn't necessarily help those most affected by the problem."

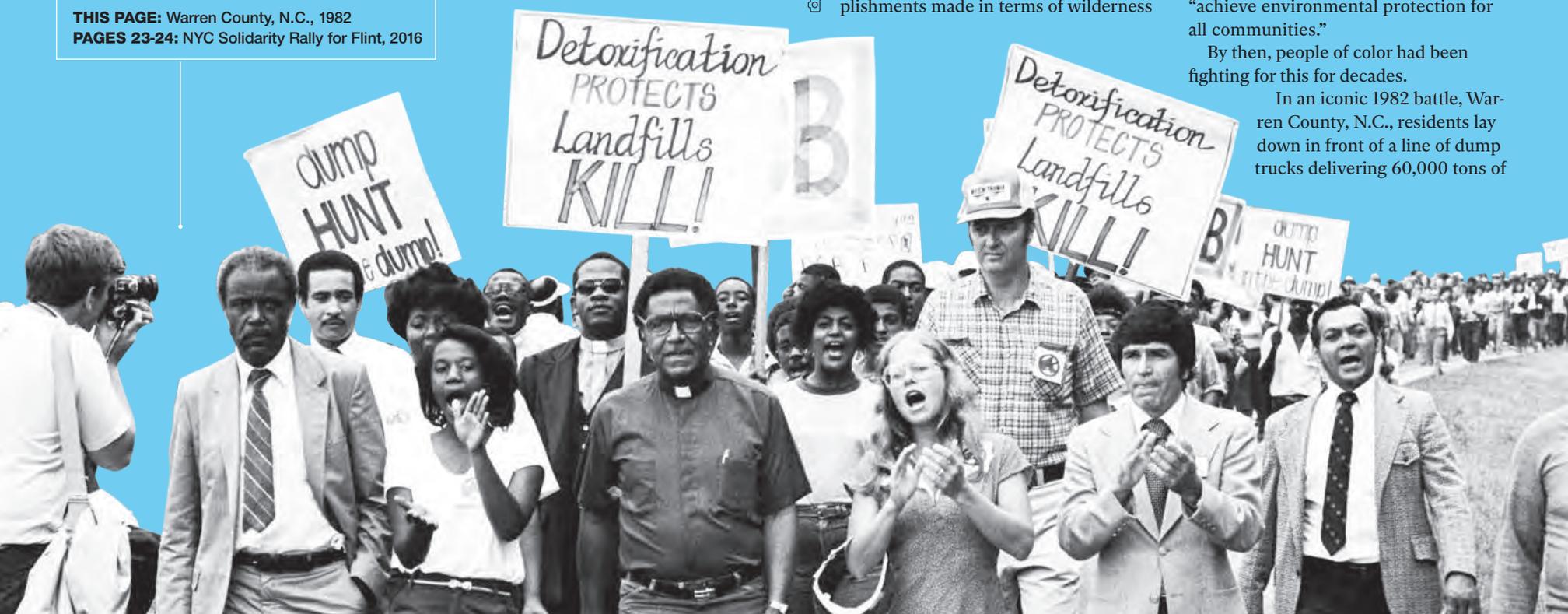
WARREN COUNTY TO FLINT

In 1994, President Bill Clinton took an important step toward environmental justice by signing an executive order instructing the Environmental Protection Agency (EPA) to implement policies to "achieve environmental protection for all communities."

By then, people of color had been fighting for this for decades.

In an iconic 1982 battle, Warren County, N.C., residents lay down in front of a line of dump trucks delivering 60,000 tons of

© @Getty Images/ Bettmann



contaminated soil to the edge of a local neighborhood. Years earlier, truckers had been caught unlawfully disposing of oil laden with highly toxic polychlorinated biphenyl (PCBs), dumping it along the side of North Carolina highways. The state, with the EPA's blessing, devised a plan to scrape it up and create a special landfill for it. Warren County residents saw it as no coincidence that their mostly black community, the poorest in the state, was selected for the site.

When the trucks arrived in September 1982, they were met with hundreds of protesters. The delivery went ahead — but the protesters birthed a movement.

Yet, Harrison said, environmental racism persists.

In 2014, news broke that residents of Flint, Mich., — which is mostly black and largely poor — had lead-contaminated drinking water.

In 2016, protesters showed up in force in Western North Dakota to decry the proposed Dakota Access Pipeline, which Native Americans viewed as a threat to their ancient burial grounds and water supplies.

More recently, studies have shown that Hispanics experience double the exposure to industrial chemicals like chlorine than whites do, and Latino school children are twice as likely as whites to go to schools near heavy pesticide use.

In 2018, the EPA's National Center for Environmental Assessment published a study showing that poor people and people

of color are exposed to as much as 1.5 times more airborne pollutants, often from factories, than their white counterparts.

"There has been a lot of attention paid to recycling and saving the redwoods," Harrison said. "But the lived experiences of Indigenous people, people of color, and those who live in poverty have not been a focus of the broader environmental movement. I want to honor the good work that's been done by the environmental movement while pointing out the gaps."

TROUBLE AT HOME

Harrison grew up in a middle-class white family in Southern California in the 1980s. As an undergraduate in development studies at the University of California-Berkeley, she initially set her sights on addressing social inequalities in Central America. Then she heard about pesticide drift.

"My attention had been so focused on other countries that I hadn't even considered the inequality and suffering going on in my own state," she said.

During her first interviews with DeAnda, a nonconfrontational mother-and-grandmother-turned-environmental activist, Harrison listened in disbelief about that day in 1999.

A nearby farm had used sprinklers to douse the ground with the legal but toxic fumigant, assuming it would soak in. But the day was warmer and windier than expected. A tainted fog began to lift and drift.

At least 250 residents fell ill. Dozens went to the hospital, racking up bills that would take years to pay.

Some, including children and elderly women, were rounded up by emergency responders, taken to a school playground, told to strip down to their undergarments and hosed down before TV cameras.

California fined the applicator \$150,000. Metam sodium remains in use today.

"This never would have happened this way in Beverly Hills," said Harrison.

JUSTICE REDEFINED

While environmentalists concerned about pesticides often prioritize buying and eating organically grown food (which is grown without pesticides but involves only about 1% of farmland), this step alone has done little to help low-income agricultural communities like Earlimart avoid pesticide drift, Harrison's research suggests.

She advocates for pesticide buffer zones around schools and neighborhoods, greater restrictions on which pesticides can be used and how, and providing farm neighbors with drift catchers, small devices for monitoring the air for pesticide residue.

"Jill seems to be the only person studying this at all. Period," said Emily Marquez, a staff scientist with the Berkeley-based Pesticide Action Network, which works to counter pesticide drift. "These frontline communities already know they're being poisoned, but the general public isn't aware."

As far as other pollutants go, Harrison believes that, first and foremost, existing

regulations should be strengthened to reduce the amount of environmental hazards in use. Regulations could also be more evenly enforced, assuring that industries in underprivileged areas are monitored and penalized as severely as those in affluent communities. And new regulations could make it harder for new polluters to move into places already overburdened with them.

And, as Harrison discusses in her new book, *From the Inside Out: The Fight for Environmental Justice Within Government Agencies*, the culture inside environmental regulatory agencies could be improved.

"Staff who have been tasked with trying to roll out environmental justice reforms face a lot of push-back from their own coworkers and, importantly, this push-back endures from one administration to the next," said Harrison, who over the past eight years interviewed nearly 100 state and federal environmental regulatory agency employees.

Staff tasked with leading environmental justice reforms told her stories of eye-rolls and disinterest, and of complaints that considering environmental justice issues meant "just another box to check."

"We need to reform regulatory practice so that reducing environmental inequalities is a top priority of government agencies," Harrison said.

Government reform aside, she hopes her work will help people look beyond their own grocery cart or recycling bin, and reframe their notion of a "healthy environment."

"Environmental justice requires fighting for things that might not benefit you directly," she said, "and caring about people who live in places that might be very different from where you live."

Email the editors at editor@colorado.edu.

© Getty Images/Pacific Press





CU's new president, a former congressman who later led the University of North Dakota, talks about his

Hello,

small-town youth, the future of work and his vision for CU. Extended interview at colorado.edu/coloradan.



Early bird or night owl? Early bird. During high school, I worked summers in a small-town bakery starting at 1 a.m. Since then, I have always found it valuable to get an early jump on things.

Coffee or tea? Coffee. Born caffeinated, I did not start drinking coffee until later in life. I now find it indispensable to the start of every day.

Favorite ice cream? Häagen-Dazs' rum raisin.

Book you can't forget? I am haunted by Kai Fu Lee's *AI Superpowers*. I am left with grave concerns that the United States is not taking the actions necessary to preserve our innovative edge, and that losing that edge will have profoundly negative consequences for our prosperity and security. This leaves me even more motivated to work hard to ensure America has the talent and the discovery necessary to keep our technological lead.

How would you describe yourself in one word? 360° — I have always striven to gain an ever-broader view.

Is there a "Colorado thing" you're still getting used to? I may never get used to driving along cliffs with no guardrails.

partisan groups poised to attack every time you reject the extremes.

What about you tends to surprise people? Those who travel by car with me are surprised that I regularly sing during the journey, normally beginning with "I am just a plain old country boy..."

If you could go to college again, what would you do differently?

Focus a little less on extracurricular activities and a lot more on striving for A's. As a first-generation college graduate, I had no one to coach me. My undergraduate activities included work-study, dishwashing in the cafeteria and shelving books in the library, touring with the chorus, playing in the pep band, organizing an undefeated co-ed volleyball team, being captain of an intramural basketball team and serving on the student senate. My acceptance to Michigan's MBA program provided a second chance. I took off Friday or Saturday evening, never both.

What do you think CU should do more of? With most of today's students likely to work during their lifetime in jobs not yet invented, it is ever more important that CU cultivates students' critical thinking, teamworking skills and cultural awareness by getting students to wrestle

I'm Mark Kennedy

We hear you grew up in a small town... I began life in Murdock, Minn., population less than 300, and at age 4 moved to Pequot Lakes, population around 450. I began working at age 14 picking strawberries, washing dishes and pumping gas. I was in band, choir, plays, student government, Boy Scouts and played in the area jazz ensemble. I lettered in basketball, track and field, setting a school record in the mile run, and managed the football team. In 4-H, I won trips to the state fair with my beef, electric and photography exhibits. My wife and I met as 4-H Ambassadors. It is hard to match the breadth of experiences available in a small town.

You served in Congress. What do you and don't you miss? I miss being in the midst of the debate on the most serious issues facing our nation. I enjoy raising money and advocating for policies I believe are important, both of which I do in my role as president of CU. I don't miss purely

with difficult questions and fostering an environment of inquiry and debate. We should seek every opportunity to embrace adaptive learning technologies that supplement classroom dialogue led by knowledgeable professors with digital offerings that know what learners already understand, what they struggle with, how they respond to different teaching methods, what incentives drive them to excel. Today's digital natives will increasingly rebel against being forced to learn at the same speed, in the same way, at the same place and at the same time.

What do you want to be remembered for? As a president who called CU to stay true to its heritage of taking bold steps into the future, challenging it to not be trapped by rigid historical constraints, but instead to embrace technology to enhance the quality of a CU education, to make it more accessible and to keep it affordable.

Condensed and edited.

SOUNDTRACK

Rodney Sauer bought a cultural treasure sight unseen — a vast trove of silent film-era musical scores. Then he gave it all away.

BY ERIC GERSON

Rodney Sauer knew it would be a heavy lift: He'd signed up to haul 5,000 pounds of vintage sheet music in 60 large boxes from Los Angeles to his Colorado home, driving the distance alone and loading and unloading on each end.

The pianist and sometime-accordionist had looked into shipping the whole lot, but the boxes weighed more than UPS would handle.

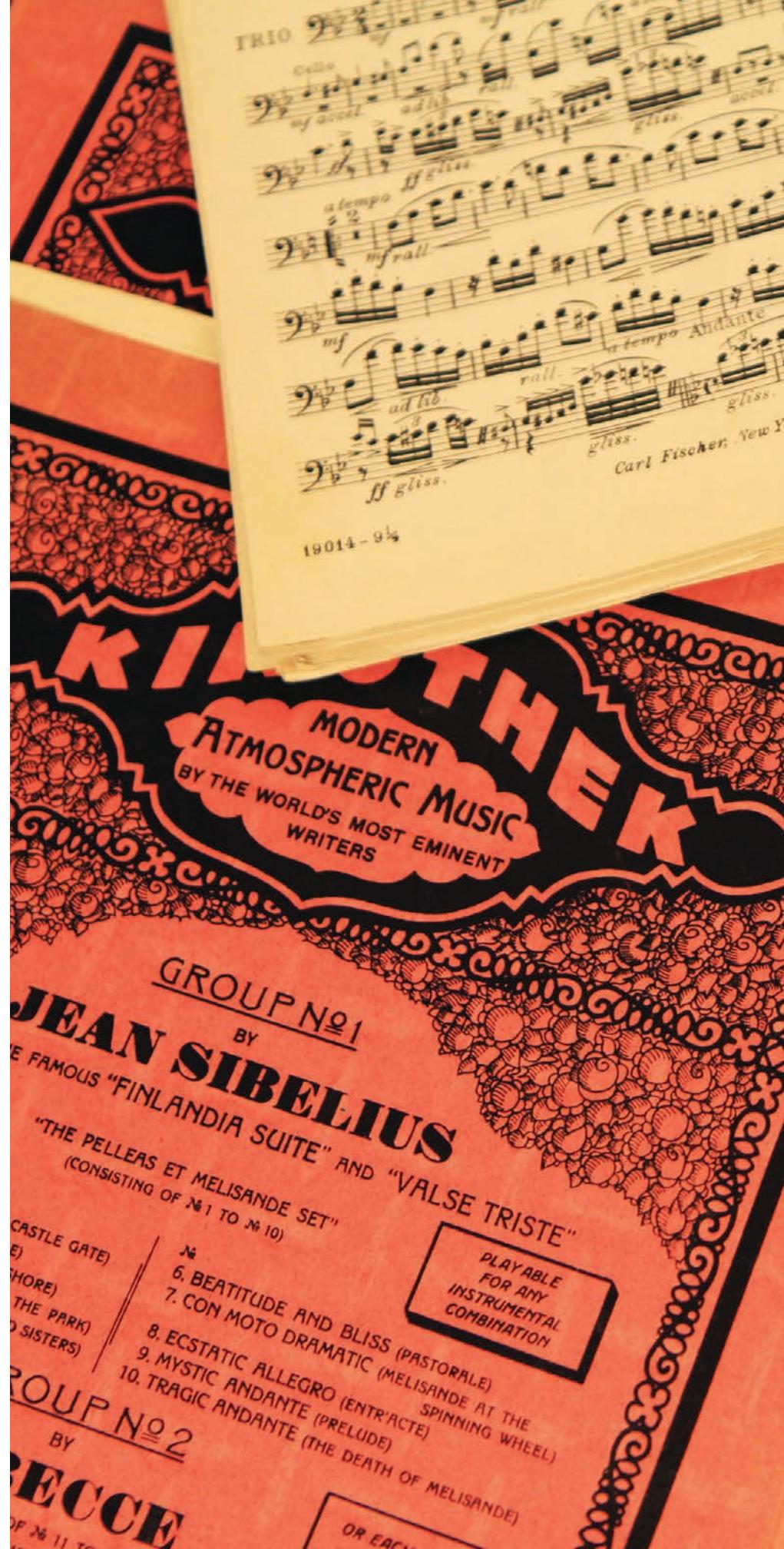
So, in September 2013, Sauer (MChem'89), bought a one-way plane ticket to L.A., rented a U-Haul and recruited five people he'd never met to convene at a storage facility between Interstate 5 and the Los Angeles River, just north of Dodger Stadium. There, in unit B749, he beheld the treasure he had purchased sight unseen and come a thousand miles to collect: Nearly 4,000 musical scores from silent film-era L.A. movie theaters.

"The music is really hard to find," said Sauer, founder of Mont Alto Motion Picture Orchestra, one of the nation's top performers of music for silent film. "When it becomes available, you buy it."

The first successful feature-length sound film, *The Jazz Singer*, hit theaters in 1927. By 1929, silent film was passé. Most of the films are lost, as is most of the music.

Sauer and his helpers, enlisted through an internet chat room for silent film fans, formed a fire brigade of sorts, relaying the music from its third-floor redoubt to the U-Haul.

Resisting the temptation to tear into the sealed 80-pound boxes "looking for the good stuff," Sauer kept to task, bought his companions dinner and hit the road, arriving in Colorado on Sept. 11, 2013. He pulled up to his Louisville



home amid heavy rain deluging the Boulder area. It would lead to historic flooding, evacuations, destroyed homes and more than a half-dozen deaths. A day later, a bridge into Louisville collapsed.

Sauer left the music in the U-Haul until the rain stopped, checking periodically to make sure the truck wasn't leaking. Afterward, he and friends moved the boxes inside.

Over the next five years, Sauer pored over the scores, most of them from the early 20th-century Grauman theater chain, which included the Metropolitan and Grauman's Chinese Theater (now called the TCL Chinese Theatre), the Hollywood Boulevard site of generations of glamorous awards ceremonies. Sauer digitally scanned many pieces, cataloged most and began performing some of his favorite finds.

Earlier this year, he gave it all away.

"I want to use this music," Sauer said. "I don't necessarily want to own it."



Silent films used original and adapted music.

The lucky winner was CU Boulder, where Sauer developed an interest in silent film music after discovering the American Music Research Center's collections, jointly held by the College of Music and University Libraries. That led to his career as a silent film music performer. He's felt grateful ever since.

The vast trove of Grauman scores dramatically augments CU's existing collections and transforms the university into a premier center for the study of the live music that was a hallmark of early 20th-century moviegoing.

The scores, most of which date from 1900 to 1929, provide a window into a vivid and stylish corner of American popular culture, and represent a major new resource for music and film scholars, students and performers alike.

With the Grauman scores now on campus, said Susan Thomas, CU music scholar and director of the American Music Research Center, CU Boulder now has "one of the most important collections anywhere."

JOY OF FEELING

As film soundtracks do today, music for silent films prompted and intensified viewers' emotional response to the screen action. But in the early 20th century, the music was performed live by flesh-and-blood musicians — typically a lone pianist in small-town theaters, small groups in mid-size cities and, in some of the most lavish big-city movie palaces, 80-member orchestras. For patrons, the live music was as important as the films.

"It was like going to the opera, but cheaper," said Sauer.

The Grauman scores, some of which are adaptations for film of orchestral compositions and some of which were composed for silent film use, bear descriptive names: "Storm Music," "The Furious Mob," "A Simple Love Episode."

Many pieces also bear the marks and cues of long-gone musicians who worked in those early 20th-century movie houses. "Father of Zaida attacks officer," reads one. "Dog carrying stake down path," says another. "Fade to Mr. Martin," says a third.

Sauer and Mont Alto have already incorporated many Grauman pieces into the group's repertoire, which it performs at film festivals around the country and which it records for new releases of old films. (The group plans to perform for free at 2 p.m. at CU Boulder's Muenzinger Auditorium Nov. 17, drawing on Grauman scores to accompany the 1921 silent film *The Phantom Carriage*, an early fantasy/horror film.)

In the 1970s, an unidentified person sped downtown and rescued bundles of the discarded film scores.

RAGTIME

Sauer, who grew up in Berkeley, Calif., came to CU Boulder in the 1980s as a graduate student in chemistry. He discovered silent film music almost by accident.

A lifelong pianist with an early interest in ragtime jazz, he had founded Mont Alto in 1989 to perform early 20th-century dance music — waltzes, tangoes, the Charleston, the half-and-half, the one-step. As one gig led to another, Sauer found himself searching for fresh period music to play. Someone tipped him off to a cache at CU. It was the Al Layton collection of silent film scores.

Sauer liked the music and realized he'd stumbled into a new niche for Mont Alto. In time, the five-member group would establish a national reputation, playing at film festivals in San Francisco, Hollywood, New York, Washington and Telluride.

In mid-2013, when Sauer heard that fellow silent film music performer Robert Israel was moving to Europe and had a large collection of scores to sell, he acted fast — and without much information.

"A couple people I trusted were telling me it was a good collection," Sauer said. He bought it.

Israel, then living in Los Angeles, had acquired the scores in the 1990s from California Lutheran University. Earlier, in the 1970s, an unknown person heard one or more old L.A. movie houses were throwing away sheet music, tossing bundles to the curb, Israel told Sauer. The person drove to the scene and scooped them up.

California Lutheran eventually acquired the scores but found little use

for them, and offered them to Israel. He kept the collection in his apartment for nearly 20 years.

Tracing the scores to Grauman was easy: Many are marked "Property of



Mont Alto Motion Picture Orchestra; Rodney Sauer center.

Grauman's Theatre, 3rd St. House" or "Metropolitan," which had opened in 1923 as "Grauman's Metropolitan."

As excited as Sauer was to acquire them, he knew a university would be a better caretaker. CU topped his list, given his relationship with the American Music Research Center.

CU was also an ideal repository because it's only 10 miles from Sauer's house.

"It'll be nearby," he said of the collection.

A deal came to fruition early this year, and in June Sauer and helpers delivered the scores to Norlin Library, where they are already accessible for review in the University Archives.

Through digitization, Sauer hopes to make selections of the music available to musicians worldwide. He'll work with CU to create "starter kits" of silent film music, enabling performers everywhere to obtain it — and perform it — easily.

"I would like this repertoire to be known in the same way the repertoires of operas and plays are known," he said.



MADE FOR MIAMI

Tom Garfinkel, a big success in the business of the NFL, proves a Buffalo can become a Dolphin.

BY MIKE UNGER



B

efore his freshman year at CU, **Tom Garfinkel** (Comm'91) considered trying to make the football team as a walk-on. Then he got to campus and promptly bumped into **Oakland Salavea** (Soc'93) at Farrand Hall.

"He was 6'6", 250, faster than me and a lot, lot stronger," Garfinkel, an ex-high school quarterback in California, said of the former Buffs standout. "I realized I wasn't going to be a quarterback. I would have been a small tight end or a slow wide receiver, so I decided I wouldn't play football."

But decades later, football — the business of it — plays a major role in his life. As vice chairman, president and CEO of the Miami Dolphins, Garfinkel has led an off-the-field resurrection of one of the NFL's most storied franchises.

For the past four years, every Dolphins home game has sold out. In February, Hard Rock Stadium, whose \$550 million renovation he led, will host Super Bowl LIV. Eleven months later, the College Football Playoff national championship game comes to town. The venue is also home to world-class soccer matches, the Miami Open tennis tournament and, well, hard-rockin' concerts, thanks in large part to the work of a man whose first job after college was checking IDs

outside of a Chicago bar.

Garfinkel grew up in Walnut Creek, Calif., but yearned to get away for college. When he first approached Boulder on U.S. 36 and gazed at the Flatirons on a beautiful 65-degree day, he told his mom that he was destined to be a Buffalo. During his undergraduate years he did play football — for Kappa Sigma fraternity instead of for Bill McCartney. He switched his major from art to communications, and after graduation, moved to Chicago with a group of friends.

He was bouncing and bartending when his dad encouraged him to share his ideas for improving the pub with its owner.

"Two years later I was running three bars," Garfinkel said. "I was hiring people, firing people, negotiating beer deals, doing marketing campaigns. I learned a lot."

He eventually took a marketing job with Miller Brewing, then went to work for Texaco in motor sports sponsorship. He was working for the energy giant when he met his wife, Allison, at the Miami Grand Prix in 1998. A photo of the winner's circle from that race hangs in his office today.



Garfinkel and family on campus during a visit to Boulder.



Garfinkel (right) with former Dolphin great Larry Csonka.

After earning an MBA from the University of Michigan, Garfinkel became executive vice president of Chip Ganassi Racing's NASCAR, IndyCar and Grand-Am racing teams, then COO of the Arizona Diamondbacks. Following a stint as president of the San Diego Padres, he was named president and CEO of the Dolphins in September 2013.

"He is the right person because he is a leader with vision and integrity who can take this organization to the next level," Dolphins owner Stephen Ross said then.

He was right. Prior to Garfinkel's arrival, the team had unsuccessfully attempted to secure public money to renovate what was then called Sun Life Stadium. Garfinkel wrote a memo to Ross arguing that financing the project privately was the right way to proceed.

"I handed it to him and thought, 'I hope this isn't my Jerry Maguire moment,'" Garfinkel said, chuckling.

By all accounts, the approach has been a success. He's presided over the sale of more than \$600 million in suite contracts and sponsorships, the highest grossing soccer event in U.S. history (the July 2017 Real Madrid-Barcelona match) and the relocation of the Miami Open tennis tournament to Hard Rock Stadium.

The 2019 debut event set record attendance numbers and increased total revenue by nearly 25 percent.

But numbers tell only part of the story. Garfinkel completely changed how the team approached ticket sales and the game-day experience.

"Instead of selling over the phone, we set up appointments and got people down there face to face," he says. "We implemented dynamic and variable pricing. We looked at the fan experience across every aspect. We added almost 30 percent more men's bathrooms, almost 70 percent more women's bathrooms, we looked at the cleanliness of the bathrooms, the ease to get in and out of the stadium, the food

quality and price and value."

As a result, the franchise has increased its revenue despite its underwhelming performance on the field. That's why Ross added vice chairman to Garfinkel's job title last year. The next big project on his to-do list is overseeing construction of the team's \$120 million practice facility.

"It's still a ton of fun," said Garfinkel, who watches the first 58 minutes of Dolphins home games from a suite adjacent to Ross' and heads to the field for the last two. "Sports, and especially football, invokes the human spirit to inspire and motivate and educate us about ourselves, both the good and the bad. There are stories of courage and persistence and work ethic and redemption and forgiveness and love and overcoming impossible odds."

Garfinkel, his wife and their three sons still make it back to Colorado for Buffs games from time to time. Tailgating, watching Ralphie run onto the field — he loves the pageantry of it all.

A NEW GAME-DAY EXPERIENCE.

"Time passes quickly, and the nice thing about Boulder is those mountains never change," he says. "We can go back and it's almost like time stands still. When I come over 36 and see the Flatirons, it still inspires me the same way it did when I was 18."

**FROM UP CLOSE
AND FROM
MILES AWAY,
CU BOULDER'S
RED-ORANGE
TILE ROOFTOPS
SIGNAL IT'S
NO ORDINARY
PLACE.**

CU Boulder's soul-stirring vistas are legendary. John Steele couldn't avoid them if he tried. For the past 19 years he's been repairing and replacing the red-orange clay roof tiles that are a hallmark of CU's campus.

"Best office in the world, I've always said," said Steele, the senior roofer in CU's Facilities Operations and Services division.

With 160 tiles in a 10-square-foot area, and at least half of the school's 3 million square feet of rooftop covered in clay, Steele and a partner are responsible for keeping on top of millions of tiles.

Along with CU Boulder's signature sandstone walls, limestone trim and black metal accents, the Mission-style tiles were the inspiration of Philadelphia architect Charles Klauder, who in 1919 produced CU's first campus master plan. He ultimately designed 15 buildings in what he called "Colorado style" and former campus architect Bill Deno calls "Tuscan Vernacular." Boulder's landscape reminded Klauder of a bike ride he'd taken through northern Italy.

In 1921, Hellems Arts and Sciences went up as the first campus building in the new style, a departure from Klauder's previous collegiate gothic work.

"He stressed that Colorado would be the first educational institution in the West to attempt a uniform building style," Deno said in *Body & Soul*, his book about Klauder's influence on CU. "He promised them that his building plan would make Colorado's campus one of the most beautiful in the United States, and he delivered."

In the early 20th century, the clay for the tiles came from local quarries, a factor for the ever-frugal Klauder. Most have since closed. Today the handcrafted, kiln-fired tiles come from an Ohio firm,

SHOUTING

ABOUT THE

ROOFTOPS



BY JOSHUA NELSON

Ludowici Roof Tile Company. Each comes with a 75-year warranty.

CU replaces between 50 and 75 tiles each year. But a lot of the originals, now nearly 100 years old, are still in place.

"That's what tile roofs do — they last a long time," said Steele, who's been on top of nearly every building at CU Boulder. "You're paying for longevity."

When CU gutted and renovated the 81-year-old, Klauder-designed Ketchum Arts and Sciences building in 2015, workers pulled off, examined and reused almost every tile. Besides the exterior walls, the tiles are now among the only original elements, campus architects said.

It's not just the tiles' mixture of clays that make them strong. Their curvature helps mitigate hail damage by distributing the force of impact.

Hardy as they are, their most striking feature is their color — colors, really.

To the careful observer, there are sometimes subtle but usually harmonious variations from rooftop to rooftop. Duane Physics has only a few red and orange tones in a generally flat finish, for example, while Clare Small has ivory and deep brown tiles, some with glossy finishes. CU Boulder's architectural style guidelines, while strict, are not rigid.

"When a new architect arrives, we don't hand them a stylebook, like at other places," current campus architect Bill Haverly said. "We walk them around."

Sometimes it can take Steele and a partner up to an hour to change a single three-pound tile.

"It depends," said Steele, who does most of the work in summer. "If they're the pans, which are the bottom tile, then you have to take off the caps all around it to get to that one piece. And then you have to put it all back together."

It's the dedication of people like Steele that helps CU Boulder maintain its reputation as one of America's most beautiful universities. Without the red clay roofs, it wouldn't feel the same.

For Steele, that's satisfying. So is the feeling that he's contributing in a practical way to the university's academic mission.

"I like helping to keep people's heads dry while they are learning and advancing their life," he said.

Comment? Email the editors at editor@colorado.edu.

Rock Stars

CU Boulder's backyard, a natural playground of canyons and rock faces, draws and inspires rock climbers from around the world, including many Buffs.

They scale the Naked Edge in Eldorado Canyon, the First Flatiron above Chautauqua and Hagan's Wall on Flagstaff Mountain. Some seek adventure far beyond the Boulder Bubble and have found glory on Mount Everest, Yosemite's El Capitan and the obstacle course of *Team Ninja Warrior*.



Angela Payne

(Soc'10)

PROFESSION Photographer

CLIMBING SINCE 1995

FAVORITE BOULDER CLIMBING ROUTE The Hug Right in Boulder Canyon

NOTABLE FEATS Completing a "double dyno" (lunging for a hold with both hands) in the 2011 Vail World Cup finals.

FUN FACT Became the first woman to climb a grade 5.13, the Automator, in Rocky Mountain National Park.

- ▲ Mount Everest
- ▲ Mount Robson
- ▲ Rocky Mountain National Park
- ▲ Estes Park



Jamie Logan

(A&S ex'69; Art'85; MArch'88)

PROFESSION Architect

CLIMBING SINCE 1958

FAVORITE BOULDER CLIMBING ROUTE The Naked Edge

NOTABLE FEATS Completing the Emperor Face of Mount Robson in British Columbia, Canada.

FUN FACT Designed the popular Movement Boulder and Movement Denver climbing gyms.



A locking carabiner and a GriGri, a device used to control the movement of a rope



A climbing harness



Climbing shoes

3 Must-Have Pieces of Gear



Glenn Porzak

(PolSci'70; Law'73)

PROFESSION Attorney

CLIMBING SINCE 1961

FAVORITE BOULDER

CLIMBING ROUTE First Flatiron

NOTABLE FEATS Reaching the summit of four 8,000-meter peaks: Everest, Makalu, Cho Oyu, Shisha Pangma.

FUN FACT Was the second Buff and first American lawyer to summit Mount Everest and the first CU alum to climb the Seven Summits.

Michael Brown

(Geog'90)

PROFESSION Filmmaker

CLIMBING SINCE 1986

FAVORITE BOULDER

CLIMBING ROUTE First Flatiron

NOTABLE FEATS Has summited Mount Everest five times.

FUN FACT Climbed with and filmed blind hiker Erik Weihenmayer as he climbed Everest in 2001.



Other Notable Climbers

ROGER BRIGGS (Phys'73; MEdu'90)

NOELLE CROWLEY (MEnv'19)

EMILY HARRINGTON (IntlAf'07)

THOMAS HORNBEIN (A&S'52)



Patrick Ament

(Engl'86)

PROFESSION Artist, musician, writer, filmmaker

CLIMBING SINCE 1958

FAVORITE BOULDER

CLIMBING ROUTE Bouldering on Flagstaff Mountain

NOTABLE FEATS Free climbing Boulder's most difficult routes, and, with partners such as Layton Kor and Royal Robbins, pioneering routes such as Rogue's Arete above Bear Canyon and Tiger's Tooth above Estes Park.

FUN FACT Established the first 5.11-grade climbs in Colorado and wrote the area's original guidebooks.

Types of Climbing

TRADITIONAL CLIMBING:

Climbers start from the ground and place their own gear as they move up.

FREE SOLO CLIMBING:

A climber forgoes all protective gear.

SPORTS CLIMBING:

Climbers create artificial routes by pre-drilling bolts and practicing the climb over and over.

BOULDERING:

Short, difficult free climbs on smaller rock faces and boulders.

TOP ROPE CLIMBING:

A rope runs from a belayer (a person on the ground securing the climber) through an anchor system connected at the top of the route back down to the climber.



Making music is a physical pursuit. The CU Music Wellness Program helps CU's performers stay fit.

BY CHRISTIE
SOUNART

Brittany Bonner (MMus'20) exhales. She glances in a mirror to observe signs of tension in her body. She inhales deeply, picks up her oboe and plays again.

The oboist from Mansfield, Texas, is practicing her vibrato — a gentle-but-regular variation in pitch — to add natural-sounding depth to her tone. A convincing vibrato requires controlled breathing, and muscular tension can interfere or cause it to disappear.

Fortunately, Bonner's got James Brody to help sort things out.

"Musicians move athletically," said Brody, the CU Boulder music professor who founded CU's Musician's Wellness Program, which helps students avoid or recover from injuries caused by repetitive motions and quirks of technique, setting themselves up for longer periods of peak performance.

Brody, also an oboist and the program's primary faculty instructor, sees more than 100 CU students annually. Some have injuries such as tendonitis or vocal cord dysfunction, which, if unaddressed, can compromise a musician's future and sense of identity.

"Music students lead complicated lives," said Brody, who also refers them to a network of on-campus physicians, physical therapists and counselors, as necessary. "What they do is tied very closely with their vision of themselves."

Established in 2003, the wellness program offers students individual consultations and academic credit courses, all of which involve the Alexander Technique. It's a method of releasing tension through adjustments to posture and movement based on body awareness.

Students use yoga balls, mats and mirrors in Brody's office, where he keeps, as an instructional aid, a full-size model human skeleton. The program will move to bigger quarters in 2020, once the music school's \$57 million, 64,000 square-foot addition opens.

CU was among the first universities to offer a music wellness program, according to Brody, who convinced administrators the

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Alexander Technique and other wellness approaches could equip music students for success. He adopted it himself in his early twenties, as he recovered from a devastating car accident.

The program helped draw Bonner, 25, to CU.

"I've had to take a few steps back to try to go a few steps forward in my playing," said Bonner, who's played oboe since sixth grade, performs in CU's graduate woodwind quintet and plays about six hours daily in ensembles and alone.

Brody helped Bonner realize she was bringing her hands too far forward while playing. She's since adjusted her arm stance, leading to a more efficient posture and sound.

"When [injury] occurs," Brody said, "often the musician will try harder instead of observing habitual behavior and altering maladaptive patterns. Brittany may have averted a damaging situation."

Sometimes, a performer's challenges are psychological. Bonner said she experiences performance anxiety daily, and is working to diffuse it when it arises.

"I understand the life of a music student," said Matthew Tomatz of CU's Counseling and Psychiatric Services, a psychotherapist and former trumpet player who works with music students. "You're competing fiercely with your friends. ... Underneath all of that is a huge uncertainty about career and what it will yield."

Bonner, whose favorite composers include Dvorak and Beethoven, aspires to join a professional orchestra. In the wellness program, she's in good company: Edward Dusinberre, first violinist in the world-renowned, CU-based Takács Quartet, has worked with Brody for 15 years.

"His guidance has enabled me to be much more mindful of the way I play," said Dusinberre, who's seen students become more efficient and healthier performers.

"When someone learns to play with less effort and strain," he said, "suddenly a greater range of volume and types of sound are possible."

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PROTECT YOUR TEAM

The **responsibility** to maintain an athletics program that operates within **compliance** of all **NCAA, Pac-12, and University regulations** does not fall solely on **CU** and its **leadership**, it is also the responsibility of **every Buffalo supporter**.

Did you know that CU is held accountable for the conduct and actions of its athletics representatives and all organizations that promote the institution's athletic programs? If a violation of NCAA rules occurs, even unintentionally, it may jeopardize a prospect's or current student-athlete's eligibility.

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Coloradan updates its circulation policy

Changes affect recent undergraduate alumni and graduate alumni of all years

The *Coloradan* occasionally reviews and updates its print circulation policy to ensure we're producing the optimal number of copies. The latest review has led to several changes, described below, that allow us to remain responsible stewards of natural and financial resources. Please review them, as **action may be required**.

Henceforth, *Coloradan* magazine will publish in print three times annually instead of four: in fall, winter and spring/summer. It will continue to publish online year-round and will continue to

be provided free of charge. Many, but not all, alumni will continue to receive it automatically. Details below.

Undergraduate alumni

No action is required for undergraduate alumni.

All undergraduate alumni will automatically receive the magazine starting in the sixth year following their CU Boulder commencement (after the fifth anniversary of their commencement). As of today, all undergraduate alumni in class years 2014 and earlier will receive the magazine automatically, provided we have a current postal address. A one-time

student fee paid by all undergraduates supports a variety of alumni programs, including career services and the *Coloradan*.

Graduate and professional school alumni

Graduate and professional school alumni must take action to renew their free subscription.

All graduate alumni are invited to register for a free subscription in the sixth year after their commencement (after the fifth anniversary of their commencement). As of today, all graduate and professional school alumni in class years 2014 and earlier are eligible.

To continue receiving the *Coloradan*, please complete the short webform at colorado.edu/coloradan/optin.

All alumni of all class years will continue to have full, free access to the *Coloradan*, plus bonus features and a complete PDF of the print magazine, at our website: www.colorado.edu/coloradan.



Alumni Impact Report

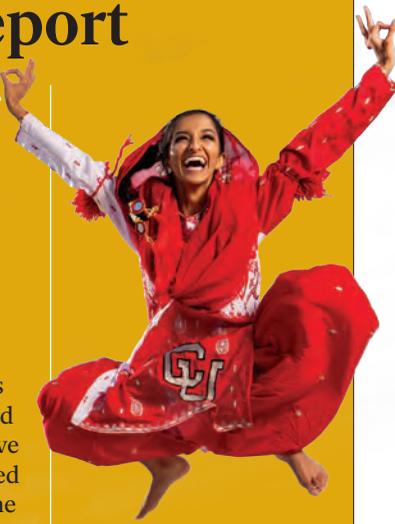
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TRAVEL

58

countries alumni and friends have experienced through the Roaming Buffs travel program



TRIUMPH

Coloradan alumni magazine's most-read story in 2019 highlighted Serene Singh (Jour, PolSci'19), CU's first Rhodes Scholar in 25 years and the first CU woman to earn the honor.

VOLUNTEER

7,847

hours Buffs volunteered on behalf of CU



SPIRIT

57,968

followers on Facebook, Instagram and Twitter channels (@cuboulderalumni)

CAREER ADVISING

2,599

one-on-one alumni career advising appointments

ENGAGEMENT

50,000+

total alumni gathered in person

FUN

3,116

miles traveled for football tailgates during the 2018 season by Alphia, CU's inflatable buffalo



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Up, Up and Away

Of course the engineers invited the drones.

They performed brilliantly.

Given a starring role in the formal Aug. 26 debut of CU Boulder's \$101 million Aerospace Engineering Sciences Building, the pair of Phantom 4 Pros did just what they were supposed to — hoist a six-foot white ribbon from the lawn and gently deliver it to the front of the dignitaries' stage. There, leaning over the edge, benefactor Ann Smead snapped her scissors. A cheer went up, and so did the drones, which shot skyward.

The new 178,000-square-foot East Campus building, home of the Ann

and H.J. Smead Department of Aerospace Engineering Sciences, includes a bioastronautics lab, a payload operations center with a real-time communications link to the International Space Station and an indoor drone testing space.

Days earlier, NASA Administrator Jim Bridenstine dropped by, meeting with students, professors, university leaders and business executives. NASA provides more research money to CU Boulder than to any other public university, and it spends more in Colorado than in any other state.

"Science books have been rewritten based on what comes out of Colorado," Bridenstine said.

CU Boulder's new aerospace engineering headquarters opened in August.



What Keeps You Up at Night?

May I ask you a personal question? What keeps you up at night? The mental health and wellness of our students.

I would have guessed budget, student retention, graduation rates. Why mental health and wellness? Students are our top priority. Students today experience rapid changes in technology, social climate and global disruption — all creating stresses. The effect of these stresses is increasingly a national and global health issue.

What brought this to the forefront for you? Demand for mental health services on college campuses is on the rise, including at CU Boulder. Since 2013, we have seen a 40 percent increase in demand for counseling services, which is in line with campuses nationwide.

What can you do about it? We have begun to engage students about campus mental health and services from the moment they confirm their enrollment. And we have expanded our suite of services, including walk-in appointments, tele-health appointment options, unlimited workshops and group sessions, crisis intervention and

one-on-one counseling and therapy depending on individual needs.

What are you doing regarding research in this area? As a top research university, we are also approaching one of the most challenging social issues of our day from a research perspective. The new Renée Crown Wellness Institute opened last spring. Faculty in the institute are leaders and innovators in their fields and are internationally recognized for their work. This institute will help create a world where our children and young people are supported by the relationships and resources needed for a lifetime of wellness.

It seems the entire campus is involved. On campus, each of us plays a critical role in supporting the health of our students. Supporting our students is the responsibility of us all. Education and training are being offered to faculty and staff to better understand the needs of students.

I can tell this is a heartfelt priority for you. Our top priority is the safety and well-being of our students. We want them to succeed academically, and in every other way.



By **Andrew Daigle** (PhDEngl'16)



It's a Woman's World

Animated by a team trip to Europe during the World Cup, CU soccer has enthusiasm to burn.

Recall 1999: A century crested, the U.S. Women's National Team won the World Cup in a shootout and some of today's CU Boulder soccer players drew their first breaths.

Buff's women's soccer celebrated a slew of 20th anniversaries this summer — overseas. For 10 days in June, all returning players toured France, testing their mettle against European teams, exploring a nation and — how could they not? — attending the World Cup, which the latest U.S. Women's National Team (USWNT) was favored to win, and did.

The Buffs won all their matches against French club teams — by shutout, no less, dominating the opener 11-0. Afterward, they watched the U.S.'s record-setting 13-0 Cup victory over Thailand.

Goalkeeper **Jalen Tompkins** (Psych'20) recalls reveling in the Cup's cosmopolitanism. "Soccer is the world's game," she said.

Between days on the pitch and in the stands, the CU crew bonded at the Eiffel Tower, the Louvre and Versailles. They snapped pictures, crowded into cafés for watch parties and cheered in the streets.

"To see them soak up the cultural experiences really put a smile on my face," said Associate Coach Jason Green.

The squad departed France before the Americans' finale. But the spirit of the U.S. team — on the field and in their unapologetic demands for equal pay — stoked the Buffs' pride in their sport and in each other.

The USWNT's World Cup win "brings legitimacy and attention to our sport," said forward **Libby Geraghty** (IntPhys'22).

Midfielder **Hannah Sharts** (Comm'22) added, "More exposure means more opportunities for women to play professionally."

Indeed, the national team depends on stateside growth for new stars.

With 2019 alumni **Erin Greening** (StComm), **Scout Watson** (Comm) and **Jorian Baucom** (Comm) all in the pros, Buffs are doing their part.

"We thought it would be all about soccer," Green said, reflecting on the quadrennial overseas trip, "and it never is."

The World Cup wowed the Buffs soccer team this summer.

CU Women's Track and Field Athletes Run Up the Score

Women's outdoor track and field continued to thrive after the close of the Pac-12 season. At NCAA championships, **Dani Jones** (Psych, SLHS'20) won the 5,000-meter run, giving her a fourth national title and adding to her previous championships in the outdoor distance medley relay (2017), cross-country (2018) and indoor 3,000-meter run (2019). **Gabby Scott** (Mgmt'19) was runner-up in the 400-meter hurdles at NAAs. Scott then ran for Puerto Rico at the Pan American Games in Peru, placing fifth overall with her teammates in the 4x400 relay. Thrower **Elisa Grandemange** (Neuro'19) also excelled outside the U.S., finishing ninth in the hammer throw at France's National Championships in July. **Kaitlyn Benner** (Chem-BioEngr, Soc'18) was named Pac-12 Woman of the Year, the first-ever Buff to earn the honor. Finally, alumni **Jenny Simpson** (Econ, PolSci'09) and **Emma Coburn** (Mktg'13) impressed at the USA Championships. Simpson placed second in the 1,500 meters and Coburn won her eighth U.S. championship in the 3,000-

meter steeplechase. Both runners qualified for this fall's World Championships in Qatar.

Bufs Bits

All-American **Alexa Smith** (Mktg'19) signed her first professional volleyball contract with France's Beziers Angels.

Golfer **Daniel O'Loughlin** (Geog'20) won the Walton Heath Trophy, one of England's top amateur events.

Derrick White (Mgmt'17) earned a roster spot on Team U.S.A. for the FIBA Basketball World Cup in China.

Darrin Chiaverini (Comm'99) was named assistant head coach for CU football following his 2018 Rivals.com distinction as one of the nation's top-25 recruiters.

Kennedy Leonard (Comm'19) signed with Herner TC to play in Germany's top professional basketball league.

Hale Irwin (Mktg'67) received the PGA Tour's Payne Stewart Award for his exceptional character, sportsmanship and commitment to charity.

Cliff Branch (A&S'71), first-team All-American at CU, 14-year member of the Oakland/Los Angeles Raiders, four-time Pro Bowl selection and one of the most electrifying Buffs football players ever, died in August at age 71.



CU golfer Daniel O'Loughlin.

DIGITS

1

Senior on 2019-20 women's basketball roster [Quinessa Caylao-Do (Comm'20)]

25

Women's soccer's national ranking in SoccerAmerica.com preseason poll

52-31

CU beat CSU in the final Denver Rocky Mountain Showdown

thirteen

Top-25 opponents faced by CU lacrosse in spring 2019

3.024

All-time high cumulative spring GPA for CU's 330 varsity athletes

500

Head Coach Danny Sanchez's career victories after soccer's 2-0 opening win over Drake August 22

The Illusion of Choice

First-year head football coach Mel Tucker talks about clean slates, preparing to win and “turning it loose” at Folsom Field.

What's the biggest improvement you want fans to notice this fall? I want fans to see the best conditioned football team. When you're in great condition, you can play harder and longer. You can be disciplined. You can finish. You can start fast, be aggressive and compete at every play. I believe your team is built in the weight room.

How do you coach players to be more physical? In addition to being in the best condition, we have to have a smart football team. I don't want that to go unnoticed. You want to have a team that doesn't beat itself, doesn't make the same mistakes over and over again. When they know their assignments, they can play fast. The faster you can play, the more aggressive you can play. Those are the elements that you have to have in place to be a rugged and physical football team.

What were the first decisions you made at CU? I had to hire staff and recruit. I got here on a Wednesday and took a tour. Got up Thursday, met with the team, met with the athletic department, had a press conference and then recruits rolled in on Friday.

How does a new staff

navigate offers made under a previous regime? We honored all commitments except for one. I wanted to secure as many of those commitments as we could.

Did you have time to recruit players who weren't originally considering CU? I got a text or call every 90 seconds for about two weeks. I'm still returning calls and voicemails.

What happens with existing players who don't fit into the new system? I would never have a system where I'd say 'this kid doesn't fit.' The system's so big and it has so much flexibility. You get an incongruence when standards of effort, academics or behavior are not up to what we need. Everyone has a clean slate. The two main factors to be successful are environment and expectations. We've created a culture of accountability here.

You were formerly Georgia's defensive coordinator. How do you plan to emphasize defense in the Pac-12? I don't mind winning a game scoring 54 points. I just don't want to win 54-53. You still have to be able to stop the run and make an [opponent] one-dimensional. Get off the field on third down and create turnovers.

It doesn't matter what league you're in. You have to do those things.

You've mentioned that 'it was an easy decision' to come to CU. What made it so? When I went to Georgia, I promised my kids that I wouldn't move until they graduated from high school. The first thing I did was talk to them. They're smart kids. They did some research and were like, "If this is what you want, we're with you."

And [Athletic Director] Rick George is a football guy. These facilities show a commitment to winning. His vision is the

same as mine: We should be able to compete for championships.

CU fans loved seeing you mixing it up in the basketball student section. What have been your impressions of students on campus? The students are ready to explode. We want them to be loud and intimidating. I want our stadium to be a lock-the-gates place. We're going to get after teams for the whole 60 minutes. We're going to turn it loose.

How do you help your student-athletes balance school, football and health? You have to surround players with structure and people that can have a positive impact on a day-to-day basis. There's been a big push on men-

tal health, so to be able to get a kid help, the same day, that's huge.

What would you say to people who claim that football is too dangerous? Football is safer now than it's ever been. It starts with educating players and coaches, the rule changes and how you teach and play the game. It's our responsibility to be on top of best practices. I'm committed to providing a safe environment.

How is ratcheting up physicality different from playing more violently? Football inherently is a contact sport, and it's all about moving the other team against its will. You have to be firm. If a player wants to go left, you make them go right. If you can impose your will

on your opponent, then you have an advantage. You take control. And whether that's mentally or physically, the speed at which you play and the schemes you have, you need to do it better. I don't ever want anyone to look on the field and say that the Buffs are getting pushed around. That's not the name of the game.

What are your goals for this season? To have a chance to win, certain things have to be done. It's the illusion of choice. We don't talk about winning games — we talk to our players about doing what it takes to win. Everyone wants to win on Saturday. But you have to prepare to win, and be at your best when your best is needed. **CONDENSED AND EDITED BY ANDREW DAIGLE**



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CLASSnotes



New CU Boulder students gather on Norlin Quad for the August "Welcome to Our Herd" event.

'45 In August **Clara Straight** (MFA) joined the centenarian club. Clara, an artist in Kirksville, Mo., selected her favorite works from her private collection to be exhibited in the Kirksville Arts Association this summer. Clara still paints, drives and lives on her family farm.

'49 **Jim Friedlander** (PolSci) of Portland,

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NOTES ONLINE AT
COLORADO.EDU/COLORADAN

Maine, is writing several books: A memoir, a novel, a collection of short stories and a cookbook. Originally from Manhattan, Jim graduated from high school at 16. His memoir explores his experience running a bed-and-breakfast in Freeport, Maine, for more than 20 years with his late wife Glynrose Friedlander.

'52 For the past 25 years, **Maynard Skinner** (PE; MEdu'54; PhDEdu'63) ran the Department of State exchange program for the University of

California, Davis, helping foreign nationals visit for a three-week period. Maynard paired the guests with hosts of similar interests. Maynard, now 91, was vice chancellor of student affairs for UC Davis before retiring in 1992. A successful local politician, Maynard was on the Davis City Council for 16 years and elected mayor twice. He wrote, "When I was mayor, I brought Boulder's open-space coordinator to visit, [whose programs] we copied, and Boulder in turn copied our no smoking in public places ordinance."

'55 **Ken Johnson** (Mktg) worked as a journalist at the *Grand Junction Daily Sentinel* before becoming the owner in 1970. He continued to put his degree to work, as owner of the *Cleveland Press* and Redstone Castle, a luxury hotel west of Aspen. Ken later moved to California to raise Arabian horses. Currently in Massachusetts, Ken has begun writing a biography of Walter and Preston Walker, the father and son duo who owned the *Sentinel* before he did.

'58 **Karl Gustafson** (APMath, Fin) published *Reverberations of a Stroke: A Memoir*, a book that tells the story of his struggle to regain his life purpose after experiencing a catastrophic stroke in 2016. Since his stroke, he has returned to teaching at the University of Colorado, where he has been a faculty member in the mathematics department for more than 50 years.

John Lund (CivEngr; PhD'67) is a geothermal energy expert and a retired emeritus professor and engineering dean from the Oregon Institute of Technology in Klamath Falls, Ore. He writes, "I am currently working on gathering, editing and summarizing geothermal country update papers from all over the world for the World Geothermal Congress 2020 to be held in Reykjavik, Iceland, in April 2020."

'60 A month after graduating from CU, **Stan Bolsenga** (Geol) began a 30-year career as a research glaciologist studying ice and snow in North American territories. "I had a great career, including publishing over 80 scientific papers and authoring or coauthoring four books, none of which would have been possible without my CU background," he wrote. He lives in the Upper Peninsula of Michigan, where he worked for the Cold Regions Research & Engineering Laboratory, Great Lakes Research Center and the Great Lakes Environmental Research Laboratory. He writes that he's lost track of his former CU housemates and friends and would love to hear from them.

Former CU swimmer **George Foster** (Chem) competed at the 2019 National Senior Games, held in June in Albuquerque, N.M. George took first place in the 200-yard individual medley and the 500-yard freestyle in the 80 to 84 age group. The Broomfield, Colo., resident writes that his wife, **Mary Wiley Foster** (A&S'58), died in 2014, and that he meets with other former CU athletes weekly for coffee. A biochemistry doctorate, George worked in the pharmaceutical industry for 30 years.

Arthur White (MBaSci; PhDEdu'69) was born in Boulder and grew up on a farm east of the Valmont power plant. In the

mid-1950s, he worked as a wrangler for Columbine Lodge — near the trail leading up to Longs Peak — packing supplies by horseback for the CU Hiking Club before they climbed Longs Peak. While working on his doctorate, he was coach of the CU men's gymnastics team, leading it to a Big Eight Conference title. Arthur taught at Ohio State University for 44 years before retiring.

'61 The day after graduating from CU, **John Cavanagh** (Mgmt) married **Gae Mayer Cavanagh** (Edu'60), and they built a life in Jacksonville, Fla. John worked and owned businesses in several industries, including cigars, boxes, insurance, health care, cars and vitamins. Gae taught elementary school. Now retired, John has spent the last 14 years working with Kairos Prison Ministry in Union County, Fla., sharing his Christian religion with inmates. John writes,

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Boulder, CO 80309, or
classnotes@colorado.edu



“This is more rewarding work than anything I did in the past.”

'63 In addition to hosting “Wonderful Words of Life” on KAAM-AM radio 770 in Dallas, **Nella Phillips** (A&S) hosts “Moments with Nella” on YouTube. The one-minute videos provide a moment of inspiration for viewers.

In June, **Richard Wilson** (Hist) retired from the University of Virginia, where he taught architectural history for 43 years. He will continue teaching a summer course in Newport, R.I., and on the lecture circuit. Richard also is writing a book on Thomas Jefferson’s Monticello. He writes, “There is still plenty to do!”

'64 In June, in remembrance of the 75th anniversary of D-Day, retired Navy Commander **Gary Forsberg** (Psych) sang at the Brittany-American and Omaha Beach American Cemeteries, as well as Sainte-Mere Eglise and Luxembourg Gardens in Paris. Gary is a member of the Sounds of the Rockies men’s chorus, and a former member of the CU Buffoons a capella group.

'69 **Ted Hine** (Fin) discovered and digitized a long-forgotten reel-to-reel tape recording of his band’s three-hour performance at the Buff Room on The Hill in July 1967 and distributed copies to

all the surviving band members. The band, “Other Side Of Time,” formed in fall 1966 and was active through the following summer. Other band members included **Dick Coburn** (PolSci’67; MA’76), **Mike Collins** (ChemEngr’70; MS’71; PhD’77), **Doug Hays** (Edu’71), **Jim Fuchs** (Psych’75), **Scott Mascitelli** (A&S ex’69) and **Lonnie Brummit** (Mus ex’70). The band started playing fraternity and sorority parties, and by early 1967 were regulars at the Buff Room, Tulagi and the Honey Bucket. By spring, they had a record on the local Top 40 charts.

'70 **Steve Hatchell** (Advert), president and CEO of the National Football Foundation (NFF), was featured in the book *1st and Forever: Making the Case for the Future of Football*, written by Bob Casciola. A Colorado native, Steve has worked with intercollegiate athletics for most of his professional career. In 2017, he was inducted into CU’s Athletic Hall of Fame.

In 2016, **Steve Vols-tad** (Jour) retired from his career in communications, most recently as communications and marketing director for UNC-TV, North Carolina’s statewide public broadcasting channel. After 30 days away from work, Steve knew he needed something more: He got a job with the College of Veterinary Medicine at North

Carolina State University, writing stories about animals in poor health and their caretakers.

'71 **Judy Crawford** (Edu) writes, “My life after Boulder has been wonderful. I taught for 25 years, was elected New Mexico Teacher of the Year in 1989 and now have had a second career working for a nonprofit that funds drinking water projects in developing countries.” She married **Richard Crawford** (Mktg’71) and they made their home in Santa Fe.

'73 Pueblo, Colo., resident **Kathleen Hearn Croshal** (CommThtr; Law’79) was named president of the Colorado Bar Association for the 2019-20 term. Kathleen spent 16 years practicing law, including work as a deputy district attorney in Pueblo. She was then appointed a Pueblo County judge for the 10th district, a role she held until her retirement in 2011.

'75 Santa Fe resident **David Douglas** (Law) is founder of the all-volunteer organization Waterlines, which is committed to providing the world clean drinking water. Currently, Waterlines’ main projects are focused in Panama and Kenya, but since its founding in 1986, it has worked with over 700 communities in 15 countries.

'77 **Carol Callan** (MPE; MBA’87) was elect-

ed president of the International Federation of Basketball, Americas Chapter. She is the first female to fill the position for any FIBA region. Carol is also the USA Basketball Women’s National Team director, a post she has held since 1996. Prior to joining USA Basketball, she was athletic director and assistant principal for Boulder’s Fairview High School. She lives in Boulder.

'78 Composer and multimedia artist **Pamela Z** (MusEdu) was awarded the Frederic A. Juilliard/Walter Damrosch Rome Prize for musical composition last April. The prize includes an 11-month fellowship in the Italian capital. Pamela is considered a pioneer of digital looping, and won a Guggenheim Fellowship in 2004.

'79 Former Buffs football player and assistant coach **Brian Cabral** (Rec) retired last year, but that doesn’t mean he’s finished with the program. New head coach Mel Tucker considers Brian a mentor and character coach to the players and staff. To underscore his lifetime of service to the football program, Brian was elected to the CU Athletic Hall of Fame last November.

Carolyn J. Stefanco (Hist), president of the College of Saint Rose, was elected to the Commission on Independent Colleges & Universities (CICU) board of trustees.

FIVE QUESTIONS

Brain Health



Linda Sasser

Linda Sasser (MA’79; PhD’81) researched memory as a CU doctoral student and built a career as a national speaker helping people improve their brain health and strengthen their memory power. She lives in Peoria, Ariz.

When should people be proactive about brain health? Since the brain is malleable and everything we do affects it, it is never too early to start.

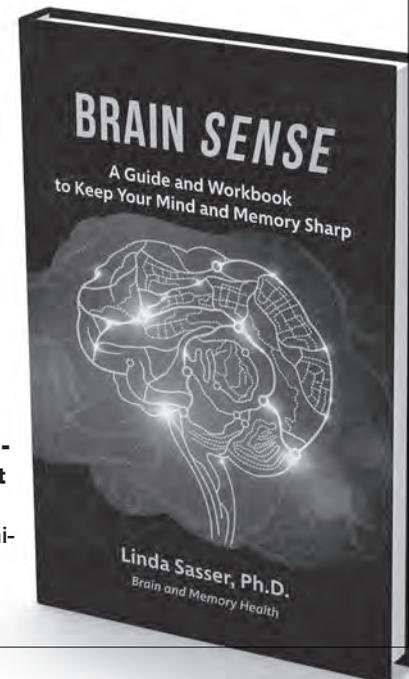
How can someone improve memory? My acronym, PAVE, represents strategies for improving memory: P stands for “Pay attention,” A for “Associate,” V for “Visualize” and E for “Elaborate.”

If someone made one change to improve their brain, what would it be? Exercise. It helps keep our cardiovascular system healthy — poor cardiovascular function is correlated with Alzheimer’s disease. Exercise increases blood flow, reduces stress and stimulates the production of the BDNF [protein], which is believed to promote neurogenesis.

What’s the biggest detriment to memory? If there is no cognitive impairment, several factors:

Chronic stress, which increases cortisol levels; insufficient or poor quality of sleep; and excessive, regular alcohol intake, [which] can cause the hippocampus, a structure critical to learning and memory, to shrink.

What’s your favorite brain fact you like to share with people? Neuroplasticity, the brain’s ability to reorganize itself by forming new neural connections, is an exciting concept because it means that our brain can continue to change, grow and improve throughout our lives, if we engage in a brain-healthy lifestyle.



CLASSnotes



New CU Boulder students performed the wave at the “Welcome to Our Herd” event in August.

'80 The Academy of Legal Studies in Business presented **Lucien Dhooge** (Hist) with its distinguished career faculty award at its annual conference. Lucien is the Sue and John Staton Professor of Law at Georgia Tech, where he teaches international business law, legal aspects of business and ethical decision-making. As part of her semi-retirement, **Sheryl Dumont** (PE) writes that she

spends half of her year in Firestone, Colo., and the other half in Boston, where she manages a personal pet and in-home housesitting service.

'82 CU Boulder's **David Plati** (Jour) was inducted into the Collegiate Sports Information Directors of America Hall of Fame. He has worked as CU Director of Sports Information for 35 years.

'83 This year **Anamaria Kazanis** (MEcon) was appointed to the American Statistical Association Board of

Directors. Anamaria, a resident of Ann Arbor, Mich., joined the association as a graduate student at the University of Michigan. After years of conducting research studies, she founded ASKSTATS Consulting to work as a statistical consultant.

'84 Marquis Who's Who recognized **Geary Larrick** (DMus) with the Albert Nelson Marquis Lifetime Achievement Award this year for excellence in the fields of music and education. Geary is a retired professor of music at the University

of Wisconsin- Stevens Point, and still performs in the area.

Noel Ludwig (Geol) joined the U.S. Forest Service's Mountain Resorts Team at the Rocky Mountain Regional Office in Lakewood, Colo., as the team hydrologist. His work focuses on the impacts of ski area development on water resources in Colorado, Wyoming and New Mexico.

A group of alums traveled to Martha's Vineyard this summer, wrote **Katharine Montstream** (Soc) of Burlington, Vt. The Buffs included **Jen Barrow** (Econ'90; MPubHealth'98) of Denver, **Charlotte Dworshak** (Engl'13) of Burlington, **Mike Quas** (Kines'92; MD'97) of Burlington, and **Sydney Montstream-Quas** (IntlAf, Hist'91; MPubHealth'97) of Barrington, R.I. Katharine writes, “We were there to boogie board, fish, swim, hang out on the dock and visit with family and friends.”

Deborah Yardley Beers (DMus) performed her original piano piece “Variations on a Laundry Song” at the Women, Feminists and Music: Transforming Tomorrow Today conference, held at Berklee College of Music in June. Deborah is a faculty member at Rivers School Conservatory in Weston, Mass.

'85 **Bradford Geiger** (Phil; Law'88) of Highlands Ranch, Colo., was confirmed by the Colorado

Senate to serve as a citizen member of the state's Juvenile Parole Board. Originally appointed by Governor Hickenlooper in 2017, Bradford was reappointed by Governor Polis in 2019 and will serve a four-year term.

Durango, Colo., resident **Tim Thomas** (Jpn) teaches wilderness medicine and serves as a senior polar tourism guide in Antarctica. Last fall he worked for the U.S. Antarctic Program, helping with safety issues along the highway connecting McMurdo and Amundsen-Scott South Pole Stations. He considers himself semi-retired.

'86 In June, the Los Angeles Press Club awarded Santa Monica resident **George Johnston** (Jour) first place in the personality profile category for his story “Still Hovering: Ex-Door Gunner's Vietnam Memories Never Far Away.” Published by the *Pacific Citizen*, the article follows the life of John Masaki, a Japanese American whose family lived in an internment camp during World War II and who served in the Vietnam War.

After graduating from CU, **Bill Schoewe** (PolSci) received his law degree from the University of Denver. Among other professional experience, Bill ran his own firm for 15 years as a criminal defense lawyer and worked as a senior attorney for the Colorado Public Defenders office for 10 years. He writes, “I would love

to hear from my old friends, especially those I worked with in the Peer Counselors Office in the College of Arts and Sciences.” His email is wild4533@aol.com. He lives in Colorado Springs.

In 1995, Arvada, Colo., resident **Keith Villa** (MCDBio) created Blue Moon beer. After he retired from MillerCoors in 2018, Keith and his wife **Jodi Villa** (ArchEngr'86) co-founded Ceria Brewing, which specializes in cannabis-infused, nonalcoholic craft beer. The beer can be found in 132 dispensaries statewide.

'87 **Francie Ernest Low** (Mktg) published *Alive and Fixable*, a memoir about her and her husband **Tony Low** (EiEngr, Mktg'87), who met at CU. Francie writes that Tony was in a near-fatal cycling accident in 2010 and spent 15 months recovering. He was desperate to return to cycling despite the harrowing crash. The

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couple lives in the San Francisco Bay Area but returns to Colorado every Christmas to visit family and experience the snowy winter.

'88 This year **Rick Bushnell** (IntlAf) received the Governor's Award for Leadership Management from Washington Gov. Jay Inslee. Rick, real estate operations manager for the Department of Enterprise Services, was one of 20 to receive the award. By negotiating more favorable leases for state facilities, Rick saved Washington taxpayers \$2.2 million in 2018.

After graduating from the CU ROTC program, **Jon Safstrom** (CivEngr) served 10 years on active duty in the Navy as a F-16 and F/A-18 pilot. He logged over 300 combat flight hours in support of multiple operations including Operation Iraqi Freedom. Upon leaving active duty, Jon joined the Minnesota Air National Guard, where he attained the rank of brigadier general and now serves as the assistant adjutant general.

'89 **John Comerford** (Film, Psych) of Seattle was on the scene to film former NBA star Bill Walton sorting recycling during Dead & Company's set break from their summer show at Folsom Field. John was there at the behest of **Marianne Moulton Martin** (EnvCon'95), associate director of CU's Environmental Center.

'90 *The Weight of Water*, the latest production from documentary filmmaker **Michael Brown** (Geog), tells the story of blind adventurer Erik Weihenmayer's kayaking trip through the Grand Canyon. The film received several awards, including the People's Choice Award at the 2018 Denver Film Festival and the Grand Prize at the 2019 Banff Mountain Film and Book Festival. Michael lives in Boulder.

This year, **Rick Case** (Real) celebrated 30 years with his Boulder-based company Nite Ize. In 1989, Rick dropped his flashlight during some night fishing, so he created a head-mounted flashlight after his family loaned him \$1,500. Since then the company has grown to sell over 500 products worldwide.

"Being a Chi Omega sister created bonds for life," wrote **Kirsten Helm Hanna** (Real) of Chapel Hill, N.C., after taking a trip to Costa Rica this winter with several of her sorority sisters. "It was like we were right back where we left off ... listening to '80s music from bands we heard at Tulagi's, Potters and Pearls!"

Laurel Andrew Dale (ChemEngr; MBA'99) of Littleton, Colo., **Kari Larson Johnson** (MechEngr) of Superior, Colo., **Terri Miles Schmier** (AeroEngr) of San Mateo, Calif., **Cathy Corbin Gay** (Mktg) of Overland Park, Kan., **Julie Johnson Sexson** (Fin) of St. Paul, Minn.,

and **Paula Beehler Adkison** (Acct) of Lewisville, Texas, were all in attendance.

'91 **Sabine Kortals** (Fin, Mus; MJour'96) married Malte Stein on July 6 near Hamburg, Germany. Sabine is a freelance writer based out of Hamburg and Denver.

'92 *NOS (disorder, not otherwise specified)* is the latest book from poet **Matthew Cooperman** (MEngl) and his wife, **Aby Kaupang**. It is just one of many books written by Matthew, an English professor at Colorado State University in Fort Collins.

'93 **Andy Rice** (Bus) is parks and recreation director for Alamosa, Colo. He writes that **Ture Nycum** (Mktg'90) and **Ken Sherbenou** (Econ, PolSci'02; MPA'06) are also parks and recreation leaders, in Fruita and Grand Junction, Colo., respectively, and all three serve on the legislative affairs committee of the Colorado Parks and Recreation Association.

The Pueblo County Chapter of the Colorado Teacher Awards honored **Yvette Padilla Teschner** (Jour, Mus) as a 2019 Colorado Teacher of the Year. Yvette has been an elementary music school teacher in Pueblo for 16 years.

'95 **Steve Ziegler's** (Mktg) Denver-based

recruiting firm, Z3 Talent, was named Best Staffing/Recruiting/Executive Search firm by *ColoradoBiz* magazine. Steve founded Z3Talent in 2013 as a small boutique firm leveraging his 18 years as an entrepreneur and executive in the human capital industry. He is active in the Denver-Boulder business community and serves on a handful of advisory boards.

'96 Architecture and design firm Perkins and Will named **Robin Ault** (Arch) its Denver design director. Robin has designed several buildings, including the Humanities Gateway building at the University of California, Irvine, which won a LEED Platinum Award.

'98 **Darlene Kondo** (MEIEngr; Law'07) was hired by Brownstein Hyatt Farber Schreck, joining the intellectual property department in its Denver office. Darlene is also a board member of the Colorado Asian Pacific American Bar Association.

'99 **Qin Liu** (EIEngr; MBA'04) and **Rong Pan** (MBA'03) took their love for tea and turned it into Ka Chu Tea House, which offers more than 170 tea varieties. Originally named The Leaf, it moved twice before landing on Pearl Street. There are now locations in Fort Collins and Cherry Creek.

FIVE QUESTIONS

High to Low



Kent Holsinger

In June, pilot and lawyer **Kent Holsinger** (Psych'93) of Denver set a world flight-speed record for the 528-mile route between North America's highest- and lowest-situated airports — Lake County in Leadville, Colo., and Furnace Creek in Death Valley, Calif. He did it in 3 hours, 13 minutes (beating the previous record by 29 minutes) in his Lancair Super ES airplane, powered by a 310-horsepower piston engine.

Why did you start flying? I had three business trips where I had to be back and forth between Grand Junction or Montrose and Denver in a single day — up to 10 hours in the car. A client told me about charter flights, and one thing led to another.

Favorite route? My route to my parents' home in North Park: You cross the continental divide twice. Grand Lake and Longs Peak are off the right wingtip. You see the headwaters of the Colorado River and the North Platte River from virtually one spot.

What led to the record

flight? We have the highest airport in our backyard. I was intrigued about the lowest. I considered the incredible landscape and the natural resources between them. When I learned there was an existing record, I thought I could beat it.

Any harrowing moments? Snowstorms over the central mountains were moving quickly. Air traffic control lost me on radar.

Other records in the works? It's a process to sanction a world record attempt. I'm not eager to repeat it, but I won't rule out another fun one!



CLASSnotes



A giant “Duck, Duck, Goose” circle of students on Norlin Quad during August’s move-in week.

'01 Escaping war-torn Vietnam as a child was just the beginning for **Nhi Aronheim** (MTeleCom). She became valedictorian of her high school, and received a bachelor’s in mathematics from Centre College in Danville, Va., before coming to Boulder. Her career involved work in the telecommunications and marketing fields. Nhi has retired and is a volunteer mediator for the Colorado Better Business Bureau. She is writing a book about her harrowing journey, showing that even in the face of overwhelming odds, anything is possible. She lives in Englewood, Colo.

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'03 The American Institute of Architects’ Chicago Chapter named **Matthew McGrane** (Arch) its Young Architect of the Year for his work as the associate principal and studio director at Farr Associates.

James Robertson (Mktg’03) was recognized by *Sacramento Magazine* as one of its Top Lawyers of 2019.

'05 **Robert Kyle Crowder** (Psych) is a major in the U.S. Marine Corps and lives in Fredericksburg, Va. He works in government contracting for the U.S. Department of Defense. The married father of six children remains a huge Buffs fan.

Former CU football player **Sean Tufts** (Soc; MBA’11) is president of Buffs4Life, which as-

sists former CU student athletes and coaches. In June, the nonprofit held its seventh-annual Kyle MacIntosh Fun Run, named for **Kyle MacIntosh** (Comm’13), a former Buffs track athlete who died in 2015. Proceeds were donated to a college fund for the five daughters of former Buff **TJ Cunningham** (Comm’99), who was killed in February.

'07 **Ben Linville-Engler** (Biochem, MechEngr) was named the industry and certificate co-director for MIT’s system design and management program, the school’s master’s program in engineering and management. In his role, Ben will find companies the program can collaborate with on research projects. He also will spearhead the SDM

certificate in systems thinking program.

'08 **Rajesh Bagchi** (PhDBus) was named head of the marketing department at Virginia Tech’s Pamplin College of Business. After graduating, Rajesh began teaching at Virginia Tech in 2008. He focuses his research on the psychological processes that underlie decision-making in consumers and managers.

Kate Mishara (Jour) is a school leader at Wyatt Academy, a K-5 Title I elementary school in the Denver Five Points neighborhood. “My work at Wyatt has transformed us from a school to a hub of community resources and an institution of learning,” Kate wrote. “At our school, we deeply believe in meeting the basic needs of our scholars and families.” To help provide for student and family needs, the school has

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FIVE QUESTIONS

The Bull-Riding Musician



Lee Knight (Art, Mus’14) (formerly known as Breana), 32, of Denver is a front-end software developer by trade, and also a musician, youth minister, choir director — and bull rider.

How many bull competitions do you do? As an amateur bull rider competing in the International Gay Rodeo Association, I compete from February to October. This year, I was planning to compete in nine rodeos, but due to injury, I was only able to compete in two.

Describe your first ride on a bull. The only thing I remember was a hard landing.

How do you describe the sport? The sport requires

two athletes, the rider and the bull. Fifty points go to the rider and, most importantly, 50 points go to the bull. When the gate opens and the animal’s shoulder leaves the chute, that’s when the clock starts and the dance begins. The harder the bull bucks, the higher the score the rider can get.

Do you think you could find a similar thrill? I’m a licensed skydiver, but those experiences were exhilarating in an entirely different way. It’s my plan to retire into equine polo after bull riding. It is another sport that requires skill, speed and beast!

Talk about your music. I’m a multi-instrumentalist where my primary instrument is trombone. I play in a number of bands and national touring acts when they come to town, and have my own solo act, Black Wolf Electric.

built an all-natural food pantry, a no-cost clothing shop and a family computer lab. It will soon add a washing machine and dryer to the community resource center.

Super Lawyers magazine named **Adam Sinton** (PolSci) as one of its 2019 Georgia Rising Stars for his work at Weinberg, Wheeler, Hudgins, Gunn & Dial.

Therese Vinal (Jour) is the in-game video host for the San Francisco Giants. Her work includes interviewing current and former players, as well as special guests, for video features shown during home games.

'09 A team of Buffs men's basketball alumni competed in an amateur tournament this summer. Televised on ESPN, 64 teams competed for a grand prize of \$2 million. Team Colorado included NBA veteran **Chris Copeland** (Psych) and all-time leading scorer **Richard Roby** (Soc ex'08). The team was coached by **Nate Tomlinson** (Ethn'12).

'11 **Brett Forrest** (Anth, Film) spent his summer climbing mountains, capping it off with a combination hike of Wetterhorn and Uncompahgre, two Colorado 14ers. It took him 10 hours to complete the 17-mile loop. Brett managed to climb five peaks in three days. He will be at Columbia School of Journalism this fall.

Christa Hasenkopf (PhDAtmos) is cofound-

er of OpenAQ, a tech nonprofit that makes real-time and historical air quality data available in any location. During her time at CU, Christa learned about the poor air quality in Mongolia, and it inspired her to use her degree for environmental justice. She went to Ulaanbaatar, the country's capital, and began working to provide open data to its citizens, which led to the creation of OpenAQ.

'12 In June **Melissa Lee Kean** (Art, EBio) was ordained a priest at St. John's Episcopal Cathedral in Denver by Right Reverend Kimberly Lucas, 11th bishop of Colorado. Melissa completed her master's of theology at Sewanee: The University of the South, in May. She is now in Rome, Ga., where she serves as associate rector at St. Peter's Episcopal Church.

'13 In 2018, best friends and former members of the CU Boulder equestrian team **Carolyn Likas** (Advert) and **Brittany Lloyd** (Jour) founded the company Town's End Outfitters, an online destination for luxury women's activewear. The company focuses on empowering women to participate in golf, tennis and equestrian sports. "Our friendship formed during our time in Boulder, and our experience in the advertising program enabled us to build a marketing plan which eventually became the foundation for our company," wrote Carolyn.

'14 The cannabis industry exploded in Colorado in January 2014. A few months later, **Jackson D. Tilley** (Comm) took an internship at OpenVAPE, a Denver-based vaporizer company. He published a book, *Billion Dollar Dimebag: An Insider's Account of America's Legalish Cannabis Industry*. The book is a "firsthand account of the 21st-century wild west," writes Jackson. In his book, he traces the path of the booming company as well as the cannabis sector. Along the way, he got sober, moved to a hurricane zone, quit, un-quit, invented new ways to market an ancient product and got a dog named Bobby Kennedy — not necessarily in that order, he writes.

'15 Longmont, Colo., resident **Taylor Raven** (MMus) was selected as a Filene Artist by the Wolf Trap Opera (WTO), which enabled her to participate in a competitive summer training residency program for emerging professional singers. Through a rigorous annual audition tour, WTO selects its artists from among the best classical vocalists in the country. The residency program took place in Vienna, Va.

'16 In 2016, **Lauren Zavala** (ArtHist) founded her company Zavala Bespoke and began applying her art to unique surfaces, in-

cluding clothing, purses, fabrics and a variety of other "canvases." In June, Lauren and Zavala Bespoke were featured in *Forbes*.

'19 **Esmeralda Castillo-Cobian** (EthnSt) began her first job this fall as the new seventh grade language arts teacher at Martin Luther King Jr. Early College in Denver. Esmeralda previously interned at CU Boulder's Latino History Project and was one of the School of Education's outstanding graduates.

Claire Lamman (Astro, Phys) was named outstanding graduate of the CU College of Arts and Sciences this year. Next up — an astrophysics graduate fellowship at Harvard.

While a student, CU Boulder's Collegiate Recovery Center helped **Sean Okonsky** (ChemBioEngr) with his addiction and depression. Sean graduated this spring and is now pursuing a PhD from Penn State in chemical engineering.

Army ROTC battalion commander **Shane Smith** (PolSci) completed his undergraduate studies this spring and is pursuing logistics officer training at Fort Lee, Va. After training he will be assigned to the 16th Combat Aviation Regiment out of Fort Lewis, Wash.

Olivia Sage Novotny (Soc) has moved to a remote village of 6,000 in the Japanese countryside. She will be teaching English to local children.

FIVE QUESTIONS

Wine Absurdities



Jordan Lipp

In 2018, Denver attorney **Jordan Lipp** (Econ, PolSci'00) and his wife, Heather, published *Is There Apple Juice in My Wine?: Thirty-Eight Laws that Affect the Wine You Drink*, detailing some of the odd, unique and unknown facts about wine.

Why did you write about wine laws? While wine tasting in the Sta. Rita Hills [in Santa Barbara], we were looking at the alcohol by volume on the back of a wine bottle, and the pourer told us the number was more or less made up. We didn't believe him. In response, we told him we'd learned in our sommelier class that wineries could put fermented apple juice in their wine. He didn't believe us. As a lawyer, I thought I could look both stories up to see what's true and what's not. Soon we had a list of facts we were curious about.

What's the most absurd law you discovered? By Colorado law, although not enforced, bars must serve sandwiches (as opposed to just serving pizza or burritos) if they want to serve alcohol. Perhaps the funniest is this: South Carolina has a law that wine cannot get you drunk.

Do some wines actually contain apple juice? Yes, fermented apple juice. If the wine label lists either a state or smaller location from which the wine came or if it lists the varietal (e.g. Cabernet Sauvignon), you don't

need to worry. But some cheap wine bottles or cans do not have either listed, and it says in small print: "With Natural Flavors." Odds are, you're drinking apple juice.

What wine fact do you like to share most? It's hard to distinguish a red wine from a white wine when you're drinking it in a black glass.

Who would you love to share a bottle of wine with? My wife and I have read that astrophysicist Neil DeGrasse Tyson is a wine connoisseur. We wrote a blog on trying to make wine understandable to everyone in the same way he makes physics understandable. We'd love to have a bottle (or two) of wine with him.



INmemoriam

1940s

Janet Carrington Kirtlan (A&S'42)
Mary Bush Burris (Engl ex'43)
Billy P. Robinson (Chem'43)
Phyllis Smithills Baker (Jour'44)
Donn R. Barber (A&S'45; MD'48)
Evelyn Combs Gantner (A&S ex'44)
Vera Finch Burkes (Acct'45)
Robert D. Chipman (CivEngr'46)
Annabelle Tomlin Eckels (A&S'46)
Donald T. Payne (EIEngr'46)
Shirley Willinger Bramhall (Econ'47)
John R. Brown (MechEngr'47)
Barbara Buchanan Kirchner (A&S ex'47)
George P. Kolinski (EIEngr'47)
Ralph L. Langenheim (MGeol'47)
Joan Inman Walton (DistSt'47)
Gerald C. Dunfield (CivEngr'48)
Delmar D. Fyock (MechEngr'48)
Robert R. Jindra (Mgmt'48)
Dorothy Doll Jorgens (Art'48)
Donald E. Burgener (A&S'49)
Barbara Bullis Clark (A&S'49)
Dolores Bittner Hallett (Art'49)
Beatrice Rogers Langmade (ArchEngr'49)
Peter J. Nussbaum (Engl'49)
Daniel M. Sklar (A&S'49)
Gilbert P. Wozney (MechEngr'49)

1950s

Louise Moosdorf Ault (Mktg'50)
Joan Packard Birkland (A&S'50)
Willis D. Condren (MechEngr'50)
Jack L. Feller Sr. (CivEngr'50)
Sally Chmelik Ferrara (Mus'50)
Edwin D. Lesh (Engl ex'50)
Robert G. Luedke (Geol'50; MS'53)
Virginia Robertson Mattson (Jour'50)
Wayne A. Snyder (A&S'50)
Joanne McKelvey Starbuck (Art'50)
William W. Baldwin (A&S'51)
Lloyd J. Bever (Chem'51; MD'55)
Herbert E. Bowman (Phys'51)
Nathan J. Clifford (Pharm'51; MD'56)
Arthur C. Daman Jr. (MechEngr'51)
David H. Grover (MA&S'51)
Robert D. Harrington (EngrPhys'51; MS'52)
Patricia M. Holderness (Chem ex'51)
Elizabeth Mead Johnston (Engl'51)
Bernard L. Keating (EngrPhys'51)
Donald E. Kinney (Pharm'51)
Barbara Grove Pellegren (A&S ex'51)
Richard G. Punches (PE'51)

John Romanick (Law'51)
Baxter W. Arnold Jr. (Law'52)
Margaret Green Bachtell (Engl'52)
Patricia Penington Brickel (Jour'52)
Richard J. Greenspun (EIEngr'52)
Jean Evans Heetderks (Nurs'52)
Henn Kilksen (ChemEngr'52; MA'54)
Patricia Gasser Law (Engl'52)
Samuel W. Maley (EIEngr'52; MS'57; PhD'59)
Dudley D. Malone (Mktg'52)
Russell R. Mather (Law'52)
Alan L. Schaeffle (CivEngr'52)
Thomas B. Eaton Jr. (A&S ex'53)
Billy I. Beeman (ArchEngr'53)
Donna Mosbaugh Bogard (MusEdu'53; MA'71; PhD'83)
Philip E. Cohen (PE'53)
Helen Carroll Gingrich (A&S'53)
Deanne Lewis Harland (Art'53)
Nancy Winters Jordan (Soc'53)
Marcia J. McManus (MA&S ex'53)
Thomas Little (A&S'53)
Doris Kersey MacCannon (BusEdu'53)
Richard Palmer (EIEngr'53)
Frederick A. Sanborn (A&S'53)
Melvin G. Strauss (Fin'53)
Jane E. Willson (Edu'53)
Roger W. Badeker (PolSci'54)
Margaret Robenstein Bever (PhysTher'54)
Marguerite D. Bloxom (Psych'54)
Sally Coshow (A&S'54)
Jane Gregg Edson (Nurs'54)
Gail Wright Holman (Jour'54)
John R. Hoover (Pharm'54)
Donald L. Jones (Jour'54; MS'62)
Elizabeth L. Overton (MEdu'54)
George E. Welder (MGeol'54)
Del V. Whiteside (Pharm'54)
Arnold D. Asay (Bus'55)
Joe Frank (EngrPhys'55)
Derold D. Harmon (MechEngr'55)
Douglas K. Johnston (MMus'55)
Arne Landsberg (ChemEngr'55)
Mostafa D. Mozayeny (A&S'55; MCivEngr'55)
Paul D. Nance (MChem'55)
Charles R. Peterson (Pharm'55)
Howard A. Smith (MChem'55)
Lawrence D. Smith (ChemEngr'55)
Harvey B. Atkinson Jr. (A&S ex'56)
Ruth Sharp Campbell (Edu'56)
Leonard E. Cutrell (PE'56)
Donald J. Fox (Pharm'56)
Richard L. Hueholt (AeroEngr'56)
Thomas D. Klemens (AeroEngr ex'56)
John D. Woods (A&S'56)
Elyce Karlsberg Woolf (Edu'56)

Horace F. Borchert (MZool'57)
Theodore R. Koerner (ChemEngr'57)
Nancy Ackenhansen McLeod (A&S'57)
Edward J. Nicoletti (Acct'57)
William E. Prather Jr. (Acct'57)
Roy L. Smallin (EIEngr'57)
James C. Uhlir (Art'57)
Douglas G. Alexander (Bio'58)
Eugene L. Charles (Mgmt'58)
Richard B. Dierenfield (EdD'58)
Stania Lake (A&S ex'58)
Louie Miller Jr. (MMgmt'58)
Martha Melin Woodford (A&S'58)
Donald J. Barnes (Psych'59)
Frank B. Byers (Art'59)
Ronald L. Gough (MusEdu'59)
Richard B. Harrison (Acct'59)
John R. Moore (Mgmt'59)
Peggy Green Olson (Art'59)
Richard J. Schmidt (ChemEngr, Mgmt'59)
Michael L. Wilson (Fin'59)

1960s

Kathleen Kennelly Brock (Mktg'60)
Donald H. Burnett (PerServ'60)
Ira S. Fink (Arch'60)
Gerald R. Godfrey (AeroEngr'60)
Ann Roth Gronich (MedTech'60)
Hepburn Ingham (A&S'60)
Delmar H. Mayfield Jr. (PE'60)
Eleanor A. VonBargen (MEdu'60)
Sharon Nelson Weilbaecher (Art'60)
Jack L. Bishop Jr. (ChemEngr'61)
H. Alex Bradford Jr. (PolSci'61)
Jane Mitchellette Hanneken (MPE'61)
Newell C. Hoskin (MusEdu'61)
Belva L. Jensen (MA&S'61)
Marvin G. Lenderman (IntlAf'61)
Lorine C. Oman (MA&S'61)
Ronald D. Ostermiller Jr. (ChemEngr'61)
Robert D. Rossmeisl (MMgmt'61)
Merolyn L. Stephenson (A&S ex'61)
Wayne T. Stewart (A&S'61)
Brice J. Wilkinson III (Spch'61; MA'62)
Lyndell L. Aadalen (Edu'62; MA'69)
Claude J. Chauvigne (MFren'62; PhD'66)
Lewis B. Cross (Bus'62)
Henry E. Holt (PhDGeol'62)
Kenneth R. Hooks (Phys'62)
Milton B. Howard (A&S'62)
Clare Creighton Howell (PolSci, Span'62)
Gilbert T. Lopez (AeroEngr'62)
Charles C. Pattillo (Math'62)
Mary Kibby Payne (Edu'62)
George D. Webb (PhDPhysio'62)

Harold E. Cummings (A&S'63)
William B. Gish (EIEngr'63; MA'65)
Claude M. Hoffman (MFren'63)
Frank G. Jewett III (Hist'63)
Richard L. Moyer (A&S'63)
Wanda Stanisloo Orr (Nurs'63)
Ralph A. Pierce (MechEngr'63)
Joseph L. Prior (MEdu'63)
Dallas B. Vowell (EIEngr'63)
Henry G. Coors (Law'64)
Sharon Otto Delo (PolSci'64)
James F. Hagen (EIEngr'64; MS'65)
Kenneth A. Nestler (Mktg'64)
Janice Gardner Swaving (Nurs ex'64)
Mary I. Welsh (MA&S'64)
Judith Sperr Wolfe (A&S ex'64)
Charles D. Allen (A&S'65)
Francis A. Calabrese (Anth'65)
Clarence Gerberick Jr. (MMgmt'65)
Charles E. Kraby (Acct'65)
Nancy Thomas Lorenz (Art'65)
William H. Miller (IntDes'65)
William G. Morris (Hist'65; MA'67)
Frank Y. Parce (MMusEdu'65)
Dennis E. Robinson (A&S'65)
Ceci Ashley Wells (Psych'65)
Mary Campbell Whiting (A&S'65)
Richard S. Bundy (Arch'66)
Llewellyn E. Clark (PhDCivEngr'66)
Michael T. Evans (A&S ex'66)
Richard A. Jones (MMath'66)
Ann Suhre Pratt (Fren'66)
Frances M. Rye (Nurs'66; MS'67)
Jack H. Wegley (A&S ex'66)
Donna Simpson Browning (Edu'67)
Donald R. Elliott (MBA'67)
Robert D. Harp (MCivEngr'67)
Gary L. Johnson (ApMath'67)
John T. Kelly (A&S'67)
Marilyn Gregory Labuda (Edu'67)
Donald P. Lambert (Mktg'67)
Marilyn Koeppen Shipman (Nurs'67)
Robert D. Cody (PhDGeol'68)
Gerald D. Dixon (Arch'68)
H. Paul Durbin (Acct'68)
Betty Bendell Marcell (MEdu'68)
Kay E. Nissen (Math'68; MEdu'73)
Richard A. Novaria (MBA'68)
Christine Sandrin Petit (Psych'68)
Kathryn W. Anderson (Hist'69)
B. Michael Garber (Anth'69)
Barbara Davis Grimm (MEdu'69)
Stephen J. Kastoff (MBio'69; MD'75)
John H. Northwall (PhDSpchDr'69)
Sherrie V. Patch (Nurs'69)

Edna Hofmann Ross (MNurs'69)
William E. Scheve (Zool'69)
Frank B. Taylor (MEdu'69)

1970s

William H. Fowler (MAcct'70)
Marcel Hull (IntlAf'70)
Joseph G. Kaplan (A&S ex'70)
Joseph H. Skinner (Phil'70; Law'76)
James M. Willis (A&S'70)
Deborah Sedgwick Brittan (Soc'71)
Charles W. Dietrick (EIEngr'71)
Shirley R. Norviel (Psych ex'71)
Clifford Branch Jr. (A&S'72)
Dale D. Fentiman (DistSt'72)
Frances E. F. Jefferson (Engl'72; MPubAd'79)
Janet Meneley Korr (ArtHist'72; MFA'74)
Jerome A. Lomba (Econ'72)
George E. Ramey (PhDCivEngr'72)
Lauretta Buchwalter Kahler (MMCDBio'73)
Terrance J. Quinn II (Math'73)
G. Thomas Taylor (PhDPolSci'73)
Marjorie Demmers Brentari (PhDSpan'74)
John F. Hamilton (EBio'74)
Elena Romero Morgan (Law'74)
Susan Staley Boysen (Anth'75)
Judith MacKillip Harding (Art'75)
Wendrea Woods How (Soc'75)
Mary Ruh Madden (MEdu'75)
Ellen Pickett Doty (MEdu'76)
Susan M. Monroney (Engl'76)
John H. Orr Jr. (Jour'76)
John M. Slater (PhDPhys'76)
Margaret A. Gallagher (Mktg'77)
Jack N. Welch (Comm'77)
Eileen L. Best (PhDEngl'78)
Henry R. Frost (PhDEdu'78)
Heather A. Knopp (Anth'78; MEdu'93)
Delessia L. Rucker (Edu'78; MA'94)
Andrew J. Silver (EBio'78; MD'82)
David M. Wacker (Jour'78)
Kim Crook Kelly (Edu'79)
Krista J. Vagnieres (Psych'79)

1980s

Thomas J. Atkins Jr. (Bus'80)
Brian C. Smith (Engl'80)
Rebecca A. Turner (PolSci'80)
John H. Wilson (Mktg'80)
James K. Phillips (ApMath'81)
Robert J. Griffin (Econ'82)
Toni L. Roybal (Jour'82)
Ken Wachsmann (MTeleComm'82)
Edmond E. Charrette III (Econ'83)
William J. Hoppe (MCivEngr'83)
Joan Flower Valentine (Psych'83)

Eric W. Knudsen (Econ'85)
John C. Leifer (MGeol'85)
Kevin M. Middleton (Chem'85)
Christopher J. Phillips (RelSt'85)
Sherri L. Vasquez (Jour'85)
Irma J. Gill (Soc'86)
Andrew H. Mead (Bus'86)
Chad P. Darby (Psych'87)
Ralph E. Fehr III (MEngr'87)
Christopher J. Kulish (Law'87)
Julia Ransom (A&S ex'87)
Lorin Siobhan Mahon (Jour'88)
Megan E. Edmunds (MPolSci'89)

1990s

Melissa M. Gardner (MCDBio'90)
David A. Brazier (MTeleComm'92)
Joy Sitkowski Spring (MBA'92)
Susan M. McEvoy-Strong (Psych'93)
Emily C. Addlesperger (Jour'97)

2000s

Jonathan W. Greer (Fin'03)
Anthony M. LaCost (Psych ex'03)
Pamela A. Kuwahara (Mgmt'05)
Travis M. De Voy (Soc'06)
Amanda M. DeMatto (MCDBio'06)
Tharin D. Cowan (Bus ex'07)
Frederick B. Hugger (AsianSt ex'09)

2010s

John M. Webster (Econ ex'12)
Jason C. Riesner (MCDBio ex'17)
Daniel P. Berg (Psych ex'18)
Aasheesh Dandupally (MEIEngr'18)
Daniel Dmitruk (AeroEngr ex'19)

2020s

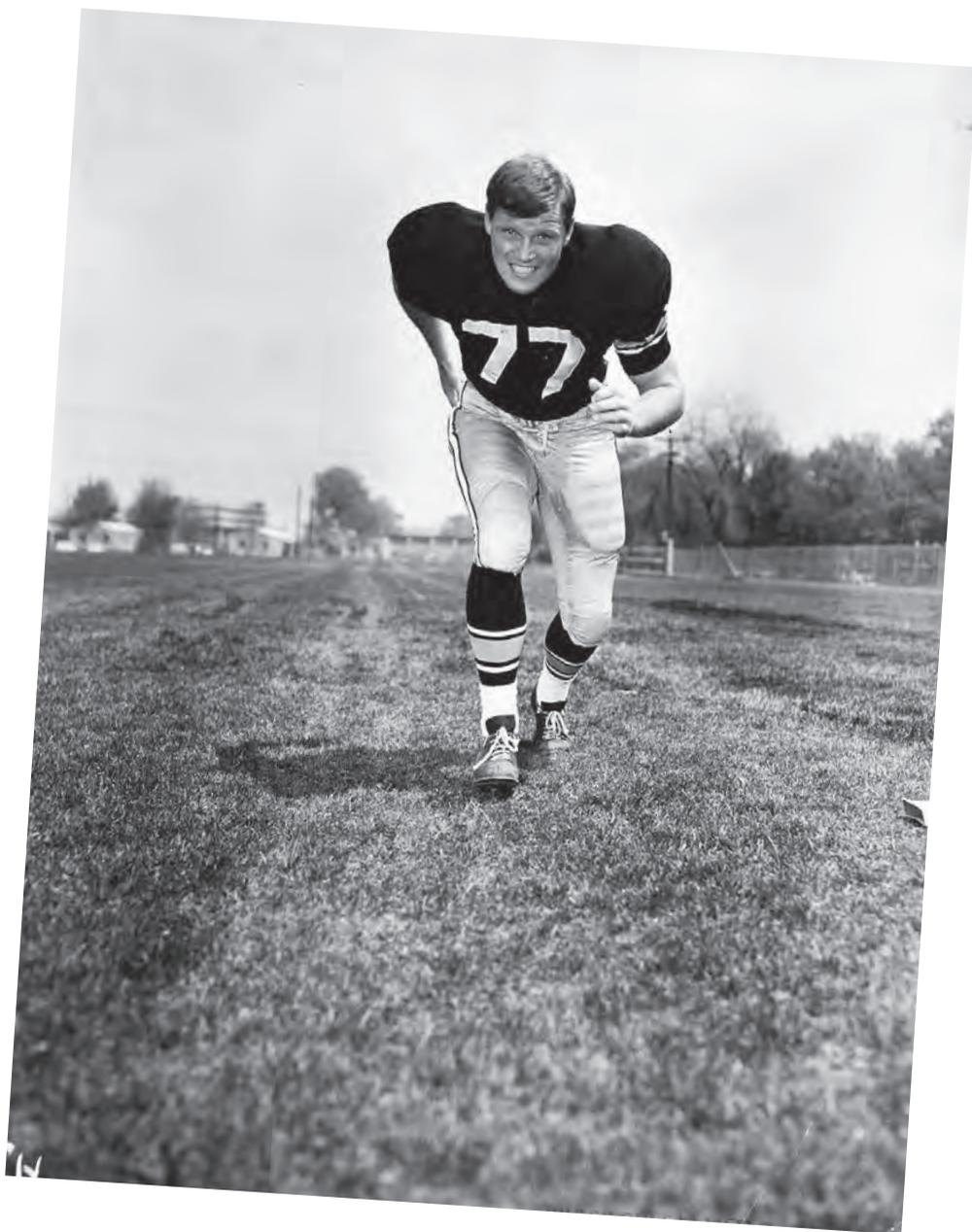
Patricia G. Jewett (A&S ex'21)
Cameron G. Wittman (Comm ex'22)
Matthew L. Yannutz (CompSci ex'22)

Faculty, Staff and Friends

Belle Anderson, Friend
Laurie A. Axner, Friend
Thomas J. Byrne, Friend
Elaine R. Hansen, LASP
Veda M. Lowry, Food Service
Jennifer C. Miller, Chancellor's Office

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FEEDback



Bill Brundige (A&S'70) was a Buffs football standout and top shot putter on the CU track team.

Duly Noted

TWO ENTRIES IN THE IN MEMORIAM SECTION [SUMMER 2019] SHOULD NOT GO UNREMARKED...

Lynn Baker (PE'67) was a standout on the CU basketball and track teams, and went on to play semi-pro basketball for the Phillips 66ers. In 1967, just before I joined the faculty of the CU English department, I finished a close second

to Lynn in the National AAU Pentathlon Championships in Indianola, Iowa. Lynn spent a long career teaching in the Boulder County schools.

Bill Brundige (A&S'70) was a first-team All-American for Buffs football in 1969 and also the top shot putter on the track team. He was drafted in the second round of the NFL draft by coach Vince Lombardi of the Washington Redskins. Bill was a starter throughout his eight-year pro career and made one of the most famous plays in Super Bowl history when he blocked a field goal attempt that led to a Redskins touchdown in Super Bowl VII.

In the same issue, my old friend Paul Danish recounted the history of the *Colorado Daily*, originally called *The Silver & Gold*. What Paul didn't relate was that the name was resurrected in 1970 as *Silver & Gold Record*, an enterprising biweekly newspaper published by the Faculty and Staff Councils. I edited the S&G for three years in the mid-70s, during which time we broke the news that Boulder campus officials intended to tear down Woodbury Hall as part of a redevelopment plan. The story inspired campus-wide protests that led to the preservation of that historic landmark. S&G was published for almost 40 years before being shut down in 2009 during a round of budget cuts.

David Merkowitz
Clarksville, Md.



The *Silver & Gold Record* published for nearly 40 years as a biweekly CU newspaper.

President

I was disappointed to see the letter [Summer 2019] regarding “New CU President” from **Robert Porath (A&S'69)**.

His criticism of Mark Kennedy before he even started his assignment as CU's president is totally inappropriate. Decidedly, **Bruce Benson (Geol'64; HonDocSci'04)** is a hard act to follow, but he brought the university to heights we could never have imagined. Could Mr. Porath perhaps give Mr. Kennedy a chance to perform before he condemns him? His conduct is unbecoming that of an educated and fair-minded person.

Susan Wright
(Bus'61)
Denver

Latin Lesson

I was interested in the letter in the recent *Coloradan* regarding the inscription above the original Norlin Library entrance [Summer 2019] — “Who knows only his own generation remains always a child.”

George Norlin, before becoming a courageous CU president, was a well-respected Classicist and editor of the orator Isocrates. It is

fitting therefore that an English paraphrase from Cicero should grace the library that bears Norlin's name.

The original reads as follows: *Nescire autem quid antequam natus sis acciderit, id est semper esse puerum* (Cicero, *Orator* 120). Literally translated: “But to not know what happened before you (masculine singular) were born, that is to always be a boy.”

In the inscription, the clause “Who knows only his own generation” is modeled on ancient Greek and Latin syntax and style. In those languages, when a relative pronoun (“who”) would serve the same function (here, the subject) as an antecedent personal pronoun (“he”), the antecedent is commonly omitted. The relative clause then becomes an indefinite relative clause and serves as the noun-equivalent subject of the main clause, “remains always a child.”

Some of your readers were right: A relative clause without an antecedent is not acceptable modern American

Some Buffs pine for a baseball revival at CU — and the debut of softball.

English usage. But George Norlin might say that the true point of interest here is that CU students could not recognize the allusions, either to the classical source or the erudite imitation of Latin style, thus proving both Cicero's original and the library inscription quite apropos.

Peter Cohee
(MClass'89; PhD'94)
Milton, Mass.

Woodstock

[Re: THEN — Woodstock; Summer 2019] I had just moved back to New York City in August 1969. I had a good friend and former boss there named John Myers. He was also my statistics professor at CU in 1962. While visiting him after Woodstock, he told me he had loaned a brand-new sleeping bag to a friend going to Woodstock.



He then described what was returned to him as a round ball of mud and cloth. That is my only Woodstock story.

Patrick Shima
(Econ'63)
Alamosa, Colo.

Baseball

It would be nice to see the athletic department reinstate baseball and begin softball at CU. All Pac-12 schools have baseball teams as well as softball. CU needs to join the rest of the league. Having baseball would also allow for athletes who excel at both football and baseball to enroll at Boulder rather than at other schools offering both sports. Thanks for

the consideration.

Jack Price (PE'66)
Camas, Wash.

Ralph Carr

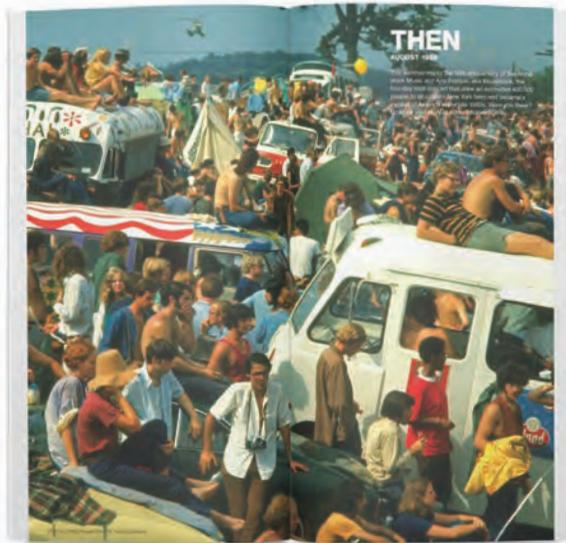
You almost missed the boat on Ralph Carr's (A&S1910; Law1912) watch [THEN, Spring 2019]. It is true that he opposed the internment camps publicly, but he did much more. As governor he declared that no Colorado Japanese American would be put in an internment camp, and he invited Japanese-American citizens from other states to come to Colorado to avoid internment.

Vern Smith (Engl'51; PhD'66)
Bloomington, Ind.

Correction: On page 11 of the summer issue, we misspelled Sewall in one instance and also misstated the date a Sewall Hall fountain was installed. It went up in the mid-1930s, not the 1960s. The errors have been corrected online.

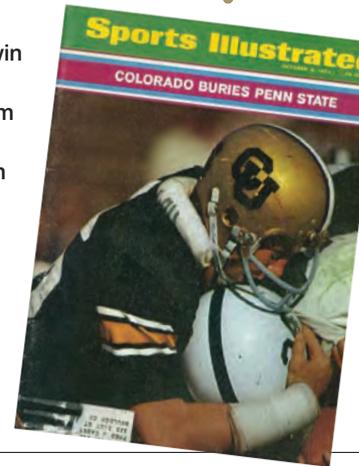
Letters edited for length and clarity.

Our Woodstock "THEN" throwback photo elicited memorable stories from readers.



List of 10: Biggest Wins in Buffs Football History

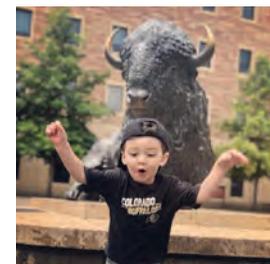
- 1. JAN. 1, 1991, ORANGE BOWL:**
CU's first national championship
- 2. SEPT. 24, 1994:**
"The Miracle at Michigan"
- 3. OCT. 25, 1986:**
Buffs beat No. 3-ranked Nebraska, 20-10
- 4. NOV. 28, 1959:**
JFK watches the Buffs beat Air Force 15-7
- 5. NOV. 4, 1989:**
No. 3 Nebraska loses to the No. 2 Buffs at Folsom Field
- 6. SEPT. 26, 1970:**
CU crushes No. 4 Penn State on national television
- 7. JAN. 1, 1957, ORANGE BOWL:**
Buffs' first bowl win
- 8. OCT. 11, 1924:**
First win at Folsom Field, then called Colorado Stadium
- 9. NOV. 23, 2001:**
Buffs crush Cornhuskers at Folsom, 63-36
- 10. NOV. 10, 1934:**
CU announces new nickname, the Buffaloes



Social Buffs



Double rainbows at CU
@josephbutlerphotography



A Buff in the making
@audreyarroyo_

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STAFFBOX

Coloradan

Volume 24, Number 1
Fall 2019

Coloradan aims to inform, inspire and foster community among alumni, friends and admirers of the University of Colorado Boulder, and to engage them in the life of the university. Published by the CU Boulder Alumni Association, the magazine appears in print three times annually (fall, winter and spring/summer), and updates frequently online at colorado.edu/coloradan.

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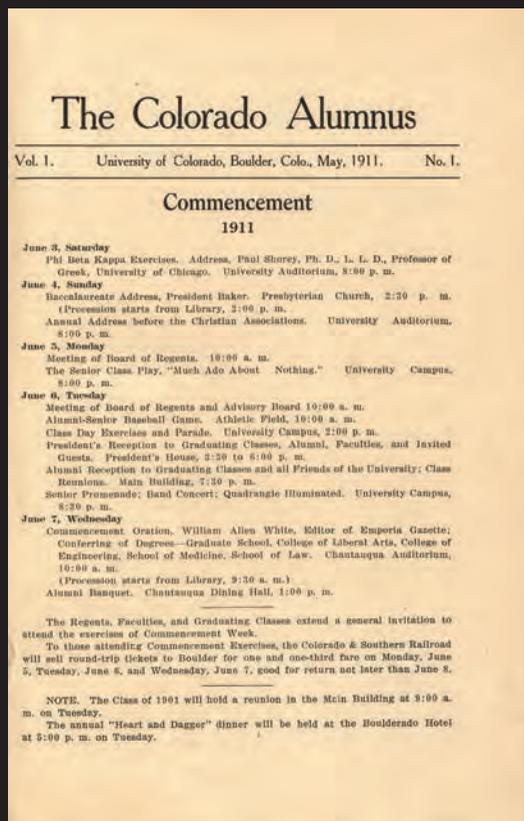
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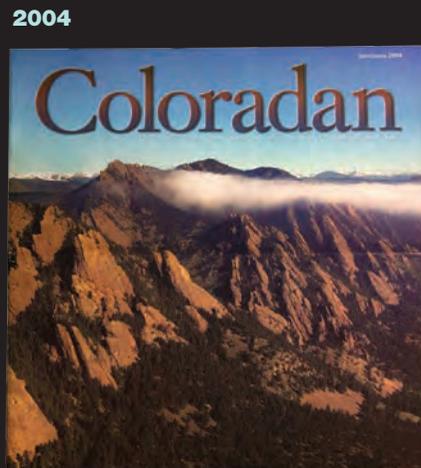
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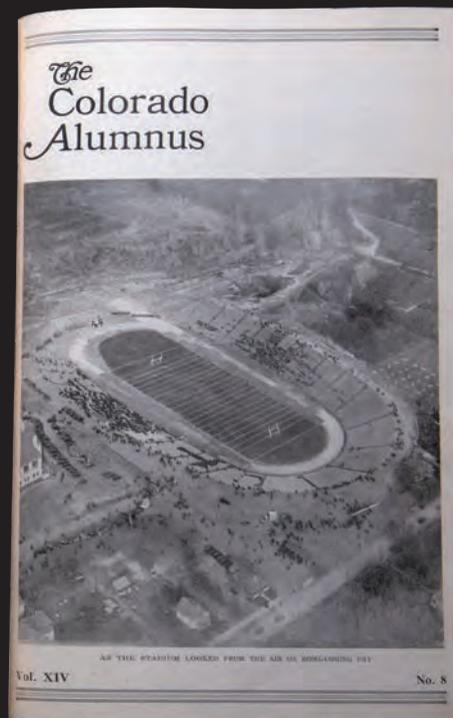
1911



1924



2014



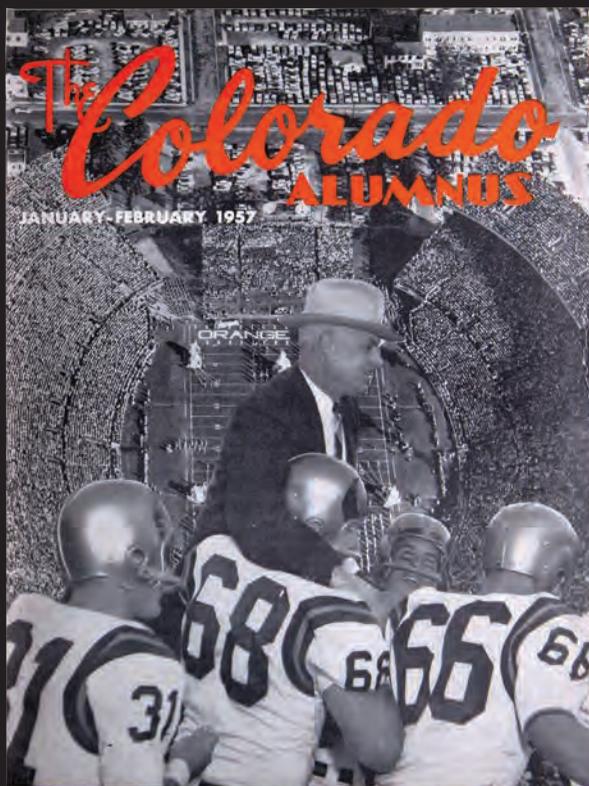
THEN

May 1911

It wasn't much to look at — see top left — but it was the start of a CU Boulder institution. The first issue of this magazine appeared as *The Colorado Alumnus* in May 1911.

Over the next 108 years, the publication, renamed *Coloradan* in 1998, has embraced big changes and bold looks. This issue represents our latest design update.

See page 43 for other important news about the *Coloradan*.



1957



2017

1924

