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Alumni Magazine Summer 2020

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NOW

APRIL 1, 2020

On what should have been the first week back for students and faculty after spring break, CU Boulder remained deserted in the midst of the COVID-19 pandemic. Beginning March 16, the remainder of the spring semester occurred remotely. This summer's courses also will occur online only.



COVER A vintage postcard circa 1950 depicts Farrand and Aden Halls on CU Boulder's campus. Postcard courtesy CU Heritage Center.

ABOVE In 1975, the Apollo-Soyuz mission, which included **Vance Brand** (Bus'53; AeroEngr'60) [center], helped the U.S. and Soviet Union collaborate on an international space flight. Photo courtesy NASA.

17 Thinking of You

CU Boulder, in postcards.

21 The Looping Artist

Pamela Z (MusEdu'78) is known for creating unique loops, voice manipulations and compositions. Her work earned her the Rome Prize.

23 The Right Stuff

Vance Brand (Bus'53; AeroEngr'60) made history when he and his Apollo crew members met with Soviet cosmonauts in space, only to narrowly survive a near-fatal landing back on Earth.

27 Mapping Afghanistan

Put rural communities on the map and you might literally be building roads to prosperity. For **Walker Kosmidou-Bradley** (IntIAf'09), that's the plan.

33 Sweeping Changes

After moving up the ranks from custodian to principal, **Michael Atkins** (MEdu'15) has his sights set on an even broader goal — transforming the education system.

37 Powerful Prose

Shakespeare's enduring legacy is on display at CU Boulder.

EDITOR'S NOTE

My first Zoom meeting from home did not go well in the early days of COVID-19.

I was afraid to turn on my camera and let people see the disarray of my Monday morning — my son screaming from his highchair for more banana, the worry on my face, the dishes on the kitchen counter.

But when I saw the same from everyone else — a cat dart across the screen, a pajama-clad partner in the background — I felt relief in the confusion. We were in it together. For many of us, CU Boulder kept us going.

You are our reason. A Forever Buffs family of more than 300,000 who share a common experience: this campus, this city, our people.

Who else understands what it's like to see the Flatirons from a classroom window, sneak in a nap on the Norlin Quad or feel that rush every time Ralphie dashes across Folsom Field?

This university is nothing without you, Buffs. I hope a story or two stands out in this issue to show you that we're a strong bunch — and we will prevail.

Christie Sounart (Jour'12)

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EDITOR@COLORADO.EDU



DEPARTMENTS

1 NOW
Remote Campus

5 INQUIRY
Mirela Alistar

7 Campus News

8 Boulder Beat
Paul Danish

13 LOOK Bowling

15 ORIGINS David Bolen

31 Infographic
Online Learning

43 Alumni News

45 CU Around

47 Q&A with the
Chancellor

49 Sports

55 Class Notes

61 Feedback

65 THEN
WAVES

Healthcare at Home



Mirela Alistar

CU Boulder computer science assistant professor Mirela Alistar wants to make healthcare more personal. Her work with microfluidic biochips is getting us there. Here, the director of the ATLAS Institute's Living Matter Lab discusses her biochips, in-home testing and melding science with art.

What brought you to CU?

I was ready to start my own research group, so I embarked on an exciting journey of applying to more than 100 universities for a faculty position. While interviewing all over the world, I was impressed with the interdisciplinarity of ATLAS Institute, with CU's ambition and drive to support young faculty and with Boulder's natural beauty and progressive culture. Needless to say, choosing CU Boulder was the easiest decision I ever made.

What is your main intention with the Living Matter Lab?

As the name says, I am interested in living matter, especially in its non-human form. In the Living Matter Lab, we explore the connection between humans and the life around us by focusing on personal healthcare. Specifically, we are investigating how far we can push healthcare into the hands of people by the means of technology. To do this, we develop biochip instruments that can be used at home by people for various medical applications.

Can you describe these instruments? Biochips are small electronic devices that manipulate droplets of fluids by



executing bio-protocols — programs that move, split and mix droplets containing chemical compounds (reagents). Biochips automate processes traditionally performed in wet labs. The key advantage of biochips is that they are adaptable, thus capable of running different bio-protocols. Instead of going to a specialist, a patient can download a bio-protocol.

Why do we need biochips? Microfluidics is the engineering that figures out how to manipulate fluids in very

small amounts, at micro level. You see, fluids at large scale — the coffee in your cup, the water coming from the tap — behave very differently than when in very small amounts. To give you an idea of how small we are talking, the size of a rain droplet is about 20 microliters [one-millionth of a liter] and that is around the maximum size approached with microfluidics. Such tiny amounts of fluids are hard to manipulate because they have a strong surface tension that has to be overcome. Biochip

instruments are able to manipulate such droplets in the picoliter [a trillionth of a liter] range.

What sort of tests might people perform with these?

Biochips have been shown to be able to perform basic tests, such as detecting the glucose levels on physiological fluids such as blood, saliva, urine and serum. We are working on developing a procedure that allows biochips to test for bacterial and viral infections.

Could these biochips detect coronaviruses or other viral infections?

I am working on developing biochips that can perform ELISA [enzyme-linked immunosorbent assay], a standard procedure used to detect viral infections. ELISA is currently used as one of the methods of testing for [the novel] coronavirus. We do hope during the next year we will have a biochip that can run ELISA, and that means it will be able to detect various viral infections. I am also aware and even had collaborated with other research labs working on the same problem. However, even if any of us are successful in developing such biochips, they will still need quite a few years of development until approved to be used as a diagnosis tool.

What do you see them being used for the most initially? I foresee a progressive roadmap for biochips, where they first will be adopted by doctors as an effective

way of performing quick tests, an essential step in differential diagnosis. Then, I see a lot of potential for biochips to be used in mobile settings, such as during traveling or outdoor activities. Finally, biochips will empower patients to perform selected tests at home, as part of their decision whether to see a doctor.

How could these change our healthcare system? Similar to how mobile computing has enabled over 60% of the population to solve a

DNA. I am also aware of people that replicated our biochips to use them for perfume mixing. One of the students in my class is designing a biochip that tells the time, basically a clock with fluids.

What other things are you working on right now? Apart from personal healthcare, we have a second angle to approach our work in the Living Matter Lab. This angle is an artistic one, where we explore and design interactions and tangible interfaces between humans and

BIOCHIPS WILL EMPOWER PATIENTS TO PERFORM TESTS AT HOME.

wide range of problems by means of software, I believe that biochips will change how people interact with a wide range of healthcare processes. In the long run, I believe biochips will lead to democratizing healthcare, and to a process that moves away from the current 'one size fits all' concept towards more personalized care.

Are there non-health uses for these biochips? Yes, for example, researchers at University of Washington forked one of our older biochip devices and are using it for DNA computing. That means they embed DNA inside the droplets and use the droplet mixing and splitting to perform operations on the information contained in the

non-human life. Examples of current projects include designing an escape room where humans and dinoflagellates [algae] collaborate to find the exit, developing do-it-yourself spirulina bioreactors for at-home use and inventing biomaterials that allow kids to grow their own toys and people to 'cook' their own clothes.

What do you do outside of your work? I am focused right now on building a strong community in Boulder that engages in sci-art and bio-art. I would love to see science, technology and art coming together in interactive installations and performances available to the public at large. INTERVIEW BY CHRISTIE SOUNART (JOUR'12). CONDENSED AND EDITED.

The Curious Cats of Madagascar

CU professor determines the path of a non-native Madagascar feline

In the midst of 30 years of primate research in Madagascar, CU Boulder anthropology professor Michelle Sauther and her colleagues had continual encounters with another animal: Cats.

She wondered how these cats, which have tabby-like coloration, could wind up in Madagascar, an island with no native felines.

“When I first started working in Madagascar, I noticed that these cats all seemed to look the same,” said Sauther, who has researched primates in the area for 30 years. “They were big, and they were always the same color.”

The results of the team’s DNA test on 30 of the animals — published in the journal *Conservation Genetics* — revealed they were *Felis catus*, the same species as the beloved house pets we own today.

“The real worry is: What are these cats doing?” said Sauther, who is particularly concerned for the highly endangered lemurs unique to Madagascar. “Are they posing a threat to animals in Madagascar? Maybe they’re just part of the local ecology.”



“Cats have essentially gone with us everywhere we’ve gone.”

The team traced their origins to the Arabian Sea trade routes originating in places like modern-day Dubai, Oman and Kuwait that have existed for as long as 1,000 years. The cats most likely traveled with the people on the ships, Sauther said.

“Cats have essentially gone with us everywhere we’ve gone,” Sauther said. “We can see that journey of humans and their pets going back pretty deep in time.”

More must be known about the cats’ origins and biology to know their true threat to native species. But for now, the reason for the cats’ puzzling appearances are answered.

Said Sauther: “We now know that these mysterious cats are domestic cats with a really interesting backstory.” **READ MORE ABOUT THIS STUDY AT COLORADO.EDU/TODAY. SEARCH “CATS.”**

© Courtesy Michelle Sauther

The Spanish Flu at CU



During the 1918 flu epidemic, the visiting Student Army Training Corps who lived in the Armory were dispersed into “barracks-like tents” so the building could be used as a hospital.

They stashed the bodies in the steam tunnel between Woodbury and Macky.

No, that isn’t the opening sentence of someone’s attempt at writing the Great CU Novel. It really happened on campus during the “Spanish Flu” epidemic of 1918 during the final weeks of World War I.

The epidemic reached CU Sept. 19, with the arrival on campus of a detachment of several hundred troops from Montana. They were part of the Student Army Training Corps (SATC), college students who joined the army and were to be trained in high-tech skills, like radio operation and aircraft engine mechanics.

CU had contracted with the War Department to provide the training.

Patient Zero arrived with the detachment. He had gone hunting before leaving Montana. By

the time the Montanans reached CU, four men were sick.

Five days later, 75 troops were in isolation at the Sigma Chi fraternity house and the Alpha Tau Omega house.

The SATC students who were billeted in the Armory were moved out and dispersed into “barracks-like tents” so that the building could be used as a hospital.

On Sept. 28, as students were returning to Boulder for the start of the fall quarter, the number of cases had risen to 92. By Oct. 1, the first deaths on campus were reported. By Nov. 11, there were 19 deaths on campus.

The top two floors of Woodbury also were turned into a hospital. According to CU archivist Michael Dombrowski, who wrote a brief history of the epidemic, the dead were placed in a makeshift morgue in the steam tunnel running between

Woodbury and Macky Auditorium.

As has often been the case when CU hits a rough patch, the Boulder community pitched in and did what it could. But the city soon had its own epidemic to cope with.

On Oct. 7 the *Daily Camera* reported that the entire town (population 15,387) had been quarantined. All schools, churches and movie theaters were closed.

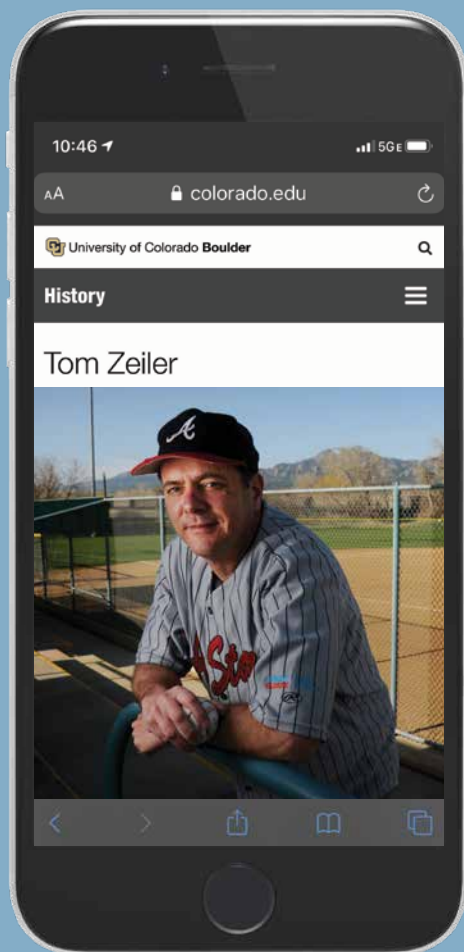
The same day, CU shut down.

By the time the quarantine was lifted Nov. 10, 1,289 cases of the flu had been reported in the city, resulting in 64 deaths.

CU classes resumed Nov. 11. Assuming classes began at 8 a.m., the armistice on the Western Front in France would have been less than four hours old.

The surviving SATC students were mustered out of the army Dec. 23, in time to be home by Christmas. **BY PAUL DANISH**

© Courtesy Carnegie Library for Local History, Museum of Boulder Collection



Tom Zeiler is a CU Boulder professor of history and director of the international affairs program. He writes on World War II, international economy, and sports and diplomacy. He also teaches the campus's popular "America Through Baseball" course.

Model:
iPhone 8

APPS

Most-used apps

New York Times



The Score



Colorado Public Radio



Most-used emoji



The Baseball Prof

How soon after waking up do you look at your phone? Within an hour, if I remember.

Would you rather text or call someone? Either way, but lean toward call — my fingers always hit the wrong keys while I text. Steve Jobs plagues me.

Location of last selfie? Deer Valley, a Utah ski resort.

The last baseball-related photo you've taken? Coors Field, September game.

Last person you called? My spouse, Rocio.

First thing you'd do if you lost your phone for a day: Probably rejoice, then go to the computer.

Does anyone else have your passcode? Everyone has my passcode, including people who I've worked with, just like everyone knows where the key to our house is.

App you wish you had the inner strength to delete? MarketWatch — why do I care about the Dow Jones average? It's gone wild for years anyway and doesn't seem to indicate how the real economy is going.

Duration of longest call last week? Two hours, with my mom.

CWA Holds First Virtual Conference

Panels focused on the pandemic, the economy and humor

The Conference on World Affairs' annual tradition lives on. After March 11, when conference organizers announced the cancellation of its in-person event in light of the COVID-19 pandemic, the CWA program committee scrapped their original panel list and started fresh.

The committee — made up of students and community members — had three weeks to invite panelists to virtually discuss topics related to the pandemic. Usually, the process takes a year.



"To riff on the old adage, this was a case of demand, together with necessity, being the mother of invention," said John Griffin, CWA director.

The effort paid off.

The 72nd conference had 11,360 views during the week of April 6–10. Nearly 4,000 of them were live.

Panels focused on the economic impacts of the virus, our health

post-pandemic and how to find humor in difficult times. Speakers included *Simpsons* writer Mike Reiss, social epidemiologist Margot Witvliet and National Jewish Health pulmonologist Irina Petrache, among many others.

A panel on historical pandemics was most popular, with more than 6,500 views during the week.

"We are all experiencing the same historical event alone, together," said *Hardcore History* podcaster **Dan Carlin** (Hist'89) in the virtual discussion. "I'm trying to get my mind around how fascinating that is."

Watch the panels at [Colorado.edu/CWA](https://colorado.edu/CWA).



DIGITS

MacArthur Foundation's 100&Change Competition

CU Boulder named to the top 100 proposals

\$100M

Award given to a single proposal

755

Proposals submitted

4

Review rounds to narrow final 100

1

CU Boulder proposal, "Ending Drought Emergencies"

20M+

People would receive water access in the Horn of Africa

2021

MacArthur names final recipient

Cloud Seeding Measurement

CU Boulder atmospheric scientist Katja Friedrich and her colleagues have, for the first time, accurately measured the volume of snow produced through cloud seeding, a process that turns lightweight water vapor into heavier droplets to produce precipitation. Last January, they used radar to measure three seeding events in Idaho and found that, combined, they produced a total of about 282 Olympic-sized swimming pools worth of water. The research can help scientists determine whether cloud-seeding efforts are useful in the long run to produce rain or snow in areas that need more water.

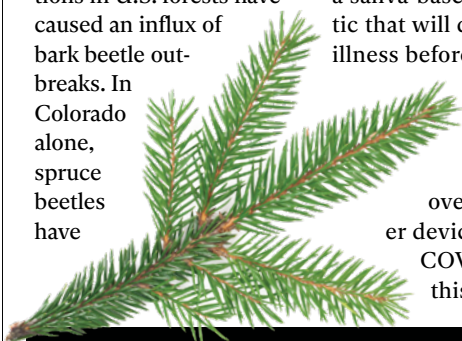
Forest Recovery, Post-Beetles

Warmer and drier conditions in U.S. forests have caused an influx of bark beetle outbreaks. In Colorado alone, spruce beetles have

affected more than 1.8 million acres of Engelmann spruce trees since 2000. CU research, published in the journal *Ecology*, reveals that beetle outbreaks aren't completely detrimental to forests, however. "We found that 86% of the stands of trees that we surveyed are currently on a trajectory for recovery," said lead author **Robert Andrus** (PhD-Geog'19). Their findings can help determine more targeted responses to forest disturbances.

SickStick Wins Top Prize

In the virtual finale of a 150-company contest, the "SickStick" by Darwin Biosciences won CU's New Venture Challenge, gaining \$55,000 in prize money and investments. The developing SickStick technology is a saliva-based diagnostic that will determine illness before symptoms occur. The company hopes to use the over-the-counter device to test for COVID-19 later this year.



Heard Around Campus

"EPIDEMICS REVEAL OUR WEAKNESSES, BUT THEY ALSO ILLUMINATE THE PROFOUND KINDNESS, GENEROSITY AND COOPERATION WE ARE CAPABLE OF."

— CU Boulder history professor Elizabeth Fenn, a Pulitzer Prize-winning writer and scholar of epidemics

ARTIFACT Fishing



A. Coachman
B. Coachman Gold
C. Coachman Royal
D. Coachman Adams
E. Coachman Red
F. Trude Red
G. Trude Gold
H. Trude Green
I. Royal Trude
J. Calico

George Norlin, the Fisherman

A fly fisher's paradise is located 7.5 miles west of Lyons, Colorado, in an area now known as the Button Rock Preserve. Starting in 1928, however, former CU president George Norlin and 13 others owned a ranch in the area they called St. Vrain Ranch.

The community of Lyons dubbed the ranch "The Professors' Ranch," as 12 of the ranch's initial shareholders were CU faculty or administrators. Norlin, whose flies are pictured above, had a cabin built on the land. After his academic year in Berlin, Germany, from 1932 to 1933, he wrote several addresses from the cabin regarding his experiences and views of Adolf Hitler.

After graduation ceremonies, Norlin typically brought the commencement speaker up to the ranch for a few days of relaxation.

Fishing flies identified by Gary Bien, Kirks Flyshop, Estes Park, Colorado

LOOK Bowling



The New Connection

The Connection's gone modern.

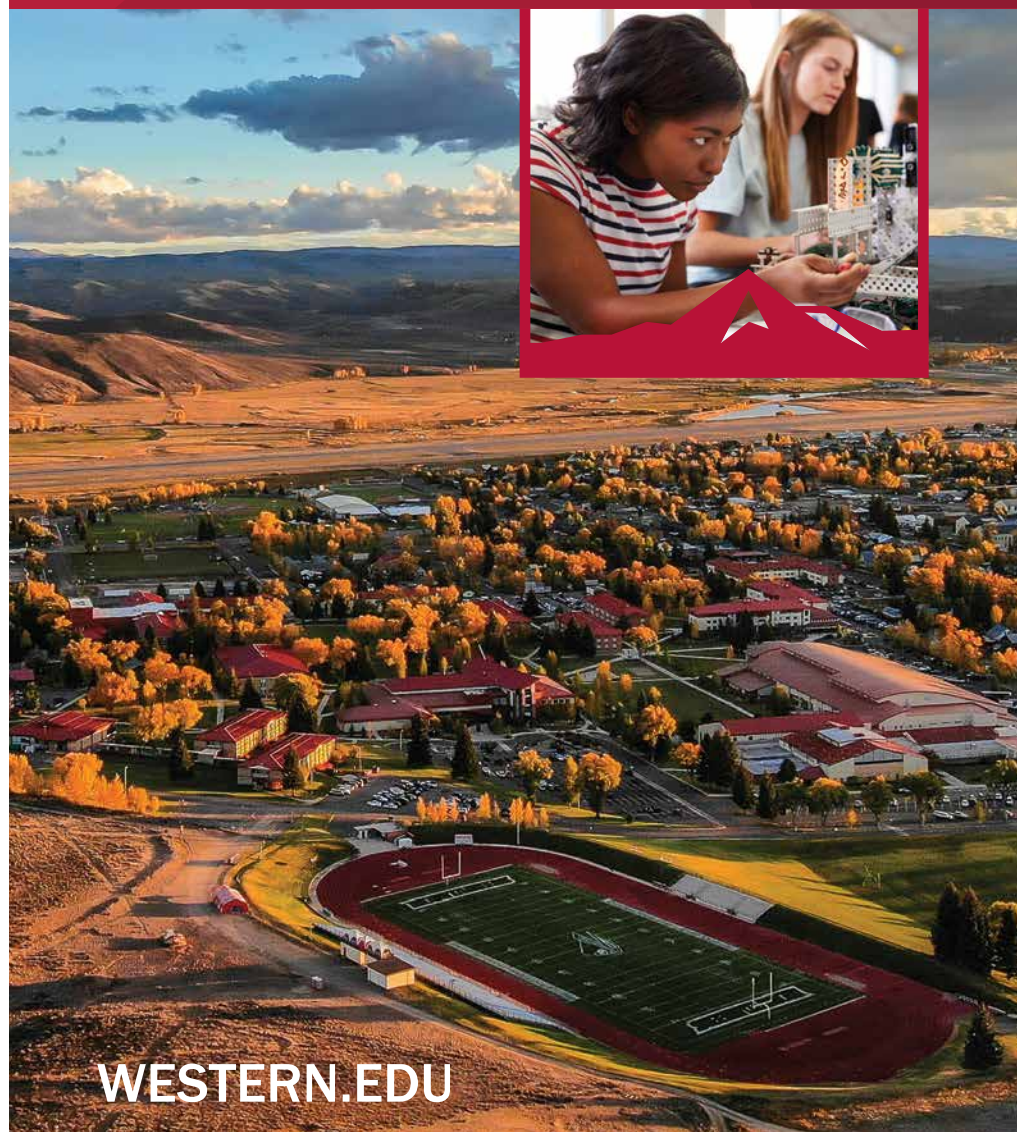
Following a six-month renovation, Boulder's only bowling alley reopened in the University Memorial Center in February. In addition to its 10 bowling lanes, The Connection features billiards and pingpong tables, video games and food. Karaoke, poker and trivia nights also will occur when campus reopens.

This is The Connection's second renovation since opening in 1956.

Was The Connection a hangout for you as a student? Write us with your favorite memories at editor@colorado.edu.

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UNIVERSITY OF COLORADO BOULDER



Our Olympian

As discussions evolve concerning the rescheduled Olympic Games in Tokyo, we take a look at CU Boulder's first Olympian: David Bolen.

Defining moments were constant throughout the 96-year-old's life. A couple ring most important to him.

"There are two positions that I've had that nobody can take away from me," **Bolen** (Mktg, MBA'50) told the *Denver Post* in 2012. "I'm an Olympian, and I'm an ambassador."

In 1948, Bolen [pictured above, far right] became the first CU student to qualify for the U.S. Olympic team. He trained while studying for his MBA in Boulder after a stellar year on the CU track and field team, which included a second-place finish against the world-record holder in the 400-meter dash at the NCAA Championships.

In 1947, CU Boulder coach Frank Potts said Bolen was "the most versatile runner I've ever seen."

Bolen's time in Boulder was often challenging. He experienced segregation and discrimination — he once had to drive 30 miles to find a barber who'd cut his hair. But he made a name for himself on the track.

During the Olympic tryouts in 1948, the then 25-year-old placed second in the 400-meter dash with a time of 47.2 seconds. He took fourth place in the Olympic finals in London. Coloradans were ecstatic.

Bolen was named the 1948 Rocky Mountain area athlete of the year, and CU Boulder's C Club, an organization for university varsity letter winners, created an award in his name to honor future CU Olympians. CU declared Nov. 20, 1948, "David Bolen Day."

After graduation, Bolen began his career in foreign service, which led to his appointment as ambassador.

"To be a world-class athlete is something, but being in London increased my interest in the Olympics and what sports could do for world peace and prosperity and bringing people together," he told the *Post*.

As ambassador to Botswana, Lesotho and Swaziland starting in 1974, Bolen helped initiate what would lead to the dismantling of apartheid in South Africa. Then as ambassador to East Germany beginning in 1977, he helped lay the foundation for the Berlin Wall's fall.

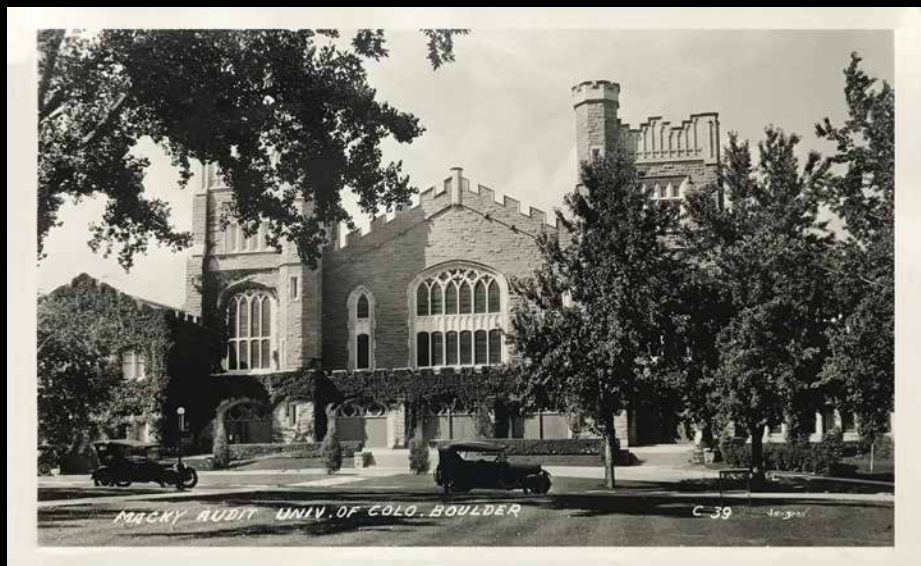
In letters, President Richard Nixon praised Bolen's character and ability.

When he retired in 1989, he and his late wife **Betty Bolen** (Art'50) returned to Boulder. He now resides in Scottsdale, Arizona.

His legacy set the stage for what is now more than 85 Buff Olympians.

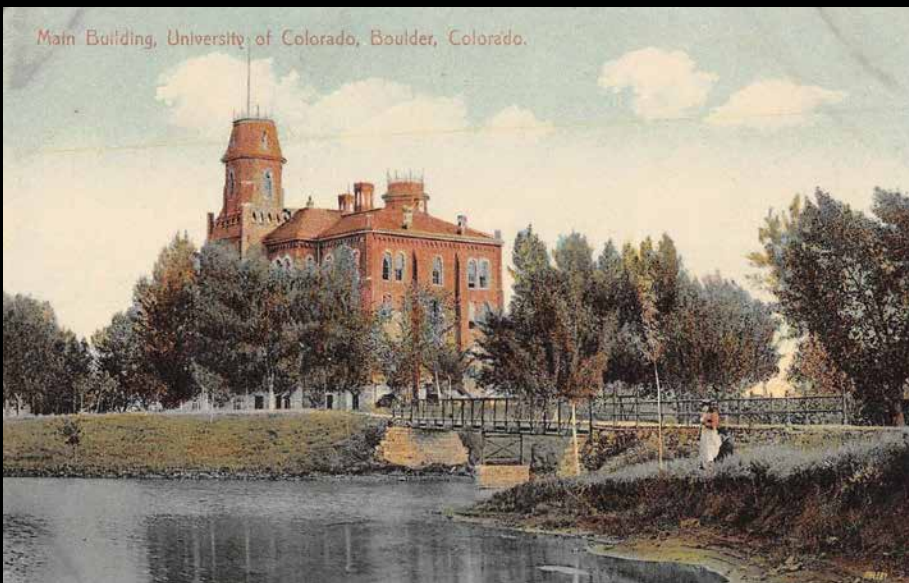
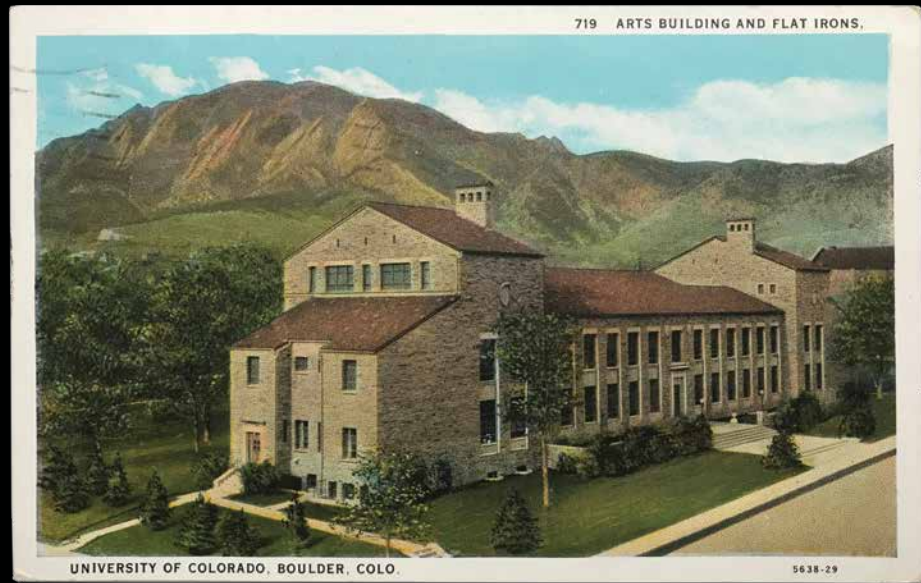
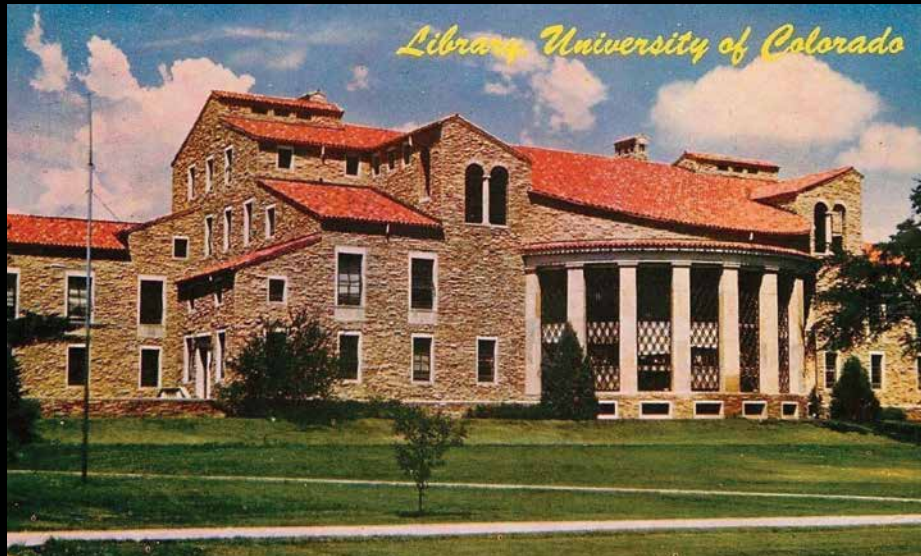
At a CU business school awards ceremony in 2013 Bolen said: "In thinking about my days as the first Olympian here at the university, I believe, athletically, that a curtain of opportunity was lifted and the windows of CU were opened to the world."

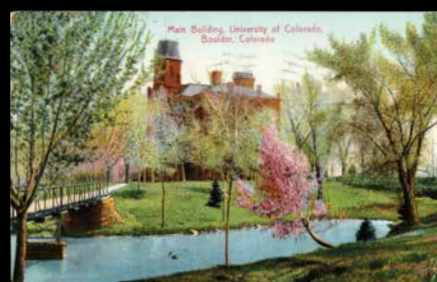
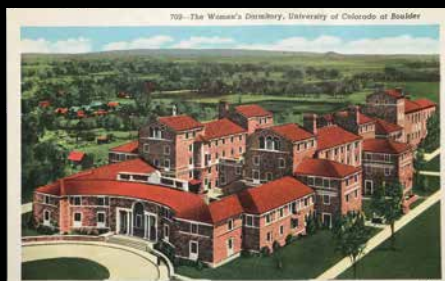
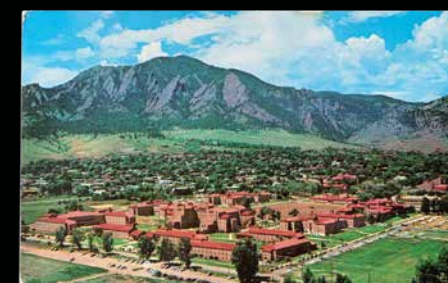
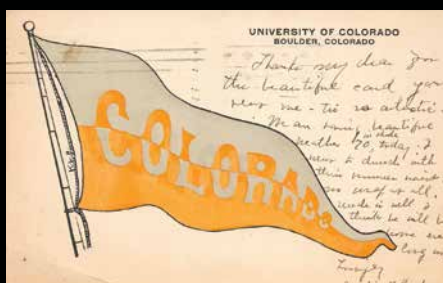
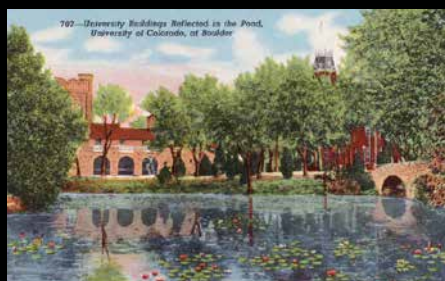
CU's first Olympian, David Bolen, pictured far right, placed fourth in the 400-meter race.



THINKING OF YOU

VINTAGE POSTCARDS DATING AS FAR BACK AS 1911 SPEAK TO THE NORLIN CHARGE, FIRST READ IN 1935: "THE UNIVERSITY CONSISTS OF ALL WHO COME INTO AND GO FORTH FROM HER HALLS, WHO ARE TOUCHED BY HER INFLUENCE AND WHO CARRY ON HER SPIRIT."







Atop Janiculum Hill in western Rome, overlooking the city center, is a garden filled with olive trees and chamomile daisies. A pastoral cottage named Casa Rustica is nestled within it.

“Inside it’s got a baby grand piano, a keyboard, a little wooden desk and space,” said **Pamela Z** (MusEdu78), who used the cottage as a music studio for six months.

This humble setup was all Z, a digital artist, needed for several months when she lived in Italy from September 2019 to March 2020 after being awarded the Frederic A. Juilliard/Walter Damrosch Rome Prize from the American Academy in Rome. The prestigious fellowship is annually granted to 30 Americans from specialties including architecture, medieval studies and literature.

“You are surrounded by this remarkable community of very intelligent, very interesting people from a wide range of fields,” Z said from Rome earlier this year. “We sit at the table and have the most stimulating and exciting conversations together.”

Z was astounded with this new method. She bought her own digital delay to plug a microphone into to manipulate her voice.

“Just overnight, it really changed my life,” said Z. “I could do layers and loops, and build structures out of these layered sounds.”

It was the first step in her evolution from singer-songwriter to the world-renowned artist she is today.

Now Z composes for other musicians, including the Kronos Quartet and Left Coast Chamber Orchestra.

“I have a lifelong problem of never saying no to anything,” she said. “I swore that I was going to keep this year clear, but I have way too many projects queued up.”

This year, she’s composed for individual cello players and the Los Angeles Kaleidoscope Chamber Orchestra. She writes for ensembles, sometimes using her voice to simulate instruments. Z’s solo compositions also include some elements of improvisation. All of the work is meticulous.

THE



ARTIST

DIGITAL ARTIST **PAMELA Z** IS KNOWN FOR CREATING UNIQUE LOOPS, VOICE MANIPULATIONS AND COMPOSITIONS. HER WORK EARNED HER THE ROME PRIZE. **BY JOSHUA NELSON**

Z, known for her digital looping techniques, is a composer and performer from San Francisco whose work combines sampled sounds and her voice with live electronic processing. Onstage she is typically accompanied by a laptop and a wireless controller on her hand that uses technology ranging from infrared to ultrasound. Z can control pre-programmed effects on her laptop with the flick of her wrist or balling of her fist.

“I first became exposed to digital delay in the early ’80s,” said Z, who grew up in Boulder and studied voice in CU Boulder’s College of Music in the 1970s. “Before then I wasn’t using any electronics in my music at all.”

A couple of years after leaving CU, she saw the jazz fusion band Weather Report in San Francisco. At one point in the show, the band’s bassist, Jaco Pastorius, became the only member on stage. He used a delay effect to create a loop, which he then performed a solo over.

“She doesn’t confine herself to one medium or subject,” American composer Charles Amirkhanian told *The San Francisco Classical Voice* in 2017. “She’s always exploring.”

Z has dipped her hands in all sorts of mediums: Video, art installations, poetry, voice-over — her scope is limitless.

While in Rome, Z worked on a piece focusing on synchronicity. She’s fascinated, she explained, by sounds like the real-time translation occurring during a UN speech.

Ultimately, her fellowship was cut five months short as the world faced the COVID-19 pandemic. The academy closed its campus March 16. Z returned to California, where she self-quarantined for 14 days as a precaution.

“Leaving that wonderful studio behind certainly put a damper on my ability to make work,” she said, “but I’ve still got a very full slate of projects in progress and commissioned works to compose.”

Pamela Z’s mastery continues.

**FORTY-FIVE YEARS AGO,
VANCE BRAND MADE
HISTORY WHEN HE AND
HIS APOLLO CREW MEM-
BERS MET WITH SOVIET
COSMONAUTS IN SPACE,
ONLY TO NARROWLY
SURVIVE A NEAR-FATAL
LANDING BACK ON EARTH.**



In the midst of the Cold War between the United States and Soviet Union that spurred the costliest arms race in human history, **Vance Brand** (Bus'53, Aero'60) casually lunched with two Soviet cosmonauts 140 miles above Earth.

Below them, thousands of American soldiers were adjusting to life back in the United States after the fall of Saigon to communists two months earlier. Fear of communism's spread across the globe was palpable. The only thing possibly more momentarily terrifying was Steven Spielberg's thriller *Jaws*, which had just hit movie theaters.

Brand had flown for nearly two days with two other Americans on the Apollo spacecraft to dock to the Soviets' Soyuz spacecraft for the first time ever. When they boarded each other's ships on July 17, 1975, it was televised in both the



The Apollo-Soyuz mission was celebrated as an engineering feat and diplomatic victory.



Apollo astronaut Vance Brand donated 40 acres of land to Rocky Mountain National Park. The Longmont native explored the park often while in high school and as a CU Boulder student.

Soviet Union and the United States. The Apollo-Soyuz mission was celebrated as both an engineering feat and a diplomatic victory, both countries overcoming years of mistrust to collaborate on an international space flight.

But the rendezvous was also the result of the U.S. and Soviet Union acknowledging a cold reality — they actually needed each other in space, even as they threatened each other with nuclear war on Earth. Forty-five years later, many argue that the mission lay the groundwork for the collaboration with the Russians on the International Space Station, which continues today.

“When the movie *Marooned* came out in 1969 with actor Gregory Peck, it involved an American capsule that was stuck in space and the Soviets were involved in the rescue,” said Bill Barry, NASA’s chief historian. “President Nixon

saw it in the White House and so did the Soviets. The idea that there were two countries flying in space with two incompatible modules nudged the mission. The idea was if we could rescue each other in space, it would be good.”

For the next four years, the two countries worked together intensely to create a docking system that would enable two very differently built spacecraft to join together. Brand and his crew members studied Russian while their Soviet compatriots studied English to ensure they could communicate while in space. But few things prepared Brand for his first training visit to the Soviet Union.

“You have to remember the situation in the world was completely different,” Brand said. “We were in the Cold War and it was at its peak. I hoped the Soviets were friendly. As I stepped out of the plane, you could tell they were all for the mission.

There were little kids with flowers running up to us and a big crowd there.”

Once in space, the Apollo and Soyuz spacecraft docked without a hitch. President Gerald Ford and Soviet Communist Party General Secretary Leonid Brezhnev called to congratulate the crews. The astronauts and cosmonauts exchanged gifts and food and conducted more than 28 experiments, including five jointly with the Soviet crew.

But when Brand and his crew descended 50,000 feet above Earth, things took a dramatic turn for the worse. During the last seconds of the mission, near-fatal amounts of toxic gas from the thrusters outside the craft got into the Apollo cabin. After the crew splashed down in the Pacific Ocean 375 miles from Hawaii, Brand passed out for a minute from the gas until a crew member put an oxygen mask on him. All three crew members were hospitalized for two weeks afterward.

That splashdown marked the end of an era. It was the last Apollo mission. And despite all the goodwill and cooperation fostered between the Soviets and Americans, the Cold War got colder. Nineteen years passed before the two countries joined together on a human spaceflight mission.

After the historic rendezvous, Brand went on to command three space shuttle missions, including flying on the Challenger when the crew did the first untethered space walks in 1984. Retired since 2008, he said one of the most fascinating things about space is the views of Earth. Oftentimes, you can spot landmarks not by their recognizable features but by something else — shadows and contrasts.

“When you’re up there, you only have a few seconds or part of a minute to see what you’re looking for,” Brand said. “For example, I could see the road clearly from Cairo to the pyramids because there was vegetation along the road and everything else was desert. I remember looking for the pyramids, and I could just see their shadows.”

Longs Peak, which dominated his views growing up in Long-

mont, Colorado, was harder to make out from space. Brand climbed the 14,259-foot peak in Rocky Mountain National Park as a Boy Scout and spent summers in high school and at CU Boulder exploring the park. When he was 36, he bought 160 acres of pristine land next to it.

The park’s extraordinary beauty led him to make headlines at the end of last year. Brand and his family donated 40 acres of his property to Rocky Mountain National Park. With his legacy tethered to space, a place visited by so few, his gift to the national park is something that can be enjoyed by so many — in 2019, 4.6 million people visited the park.

“In my younger days, I felt like I got a

WITH HIS LEGACY TETHERED TO SPACE, A PLACE VISITED BY SO FEW, HIS GIFT TO THE NATIONAL PARK IS SOMETHING THAT CAN BE ENJOYED BY SO MANY — IN 2019, 4.6 MILLION PEOPLE VISITED THE PARK.

lot from the park,” the 89-year-old said from his home in California. “It’s a terrific national asset. We’re getting so much urban sprawl, even since I was wandering around Rocky Mountain National Park as a young man. There’s something to be said for the preservation of nature in some places.”





Mapping Afghanistan

Put rural communities on the map and you might literally be building roads to prosperity. For Walker Kosmidou-Bradley, that's the plan.

BY STEVEN BOYD SAUM

Here's a story **Walker Kosmidou-Bradley** (Int'lAF'09) tells about his early life with maps: On a Boy Scout backpacking expedition up a slot canyon in southern Utah, when he was about 17, he and the hikers he was leading plotted their course along a river using U.S. Geographical Survey quads — navigating terrain and choosing where they would make camp. When they set off, they discovered a problem: The geography no longer matched the maps.

"The river was no longer on the far side of the canyon," Kosmidou-Bradley said. "So our proposed campsites were underwater."

It was an important reminder from nature: The courses of rivers can change. One intense flood can rewrite geography. So you readjust to the realities on the ground. And perhaps one day help correct the maps.

A COUNTRY'S FUTURE

As a geographer working with the World Bank as part of the South Asia and Middle East/North Africa poverty team, Kosmidou-Bradley has found himself not just correcting maps but frequently filling in the blank spots that still exist.

Much of his work the past three years has been focused on Afghanistan. He leads teams to build maps with accurate and complex layers of data that can have a profound effect on the livelihood of people: helping set priorities for humanitarian aid and infrastructure development, ensuring that communities have access to health care, clean water, schools and a market for their crops — and perhaps tipping the scales to take them from extreme poverty into a more prosperous and hopeful future.

For a country that has faced conflict for decades, that matters profoundly: Where are the roads — and are they

paved or gravel or bare earth? Where are the hospitals and schools — and how long does it really take to get there from each village? Where are the electrical lines? And where do they need to be, in terms of where people really live?

"There were villages that were not on the map," Kosmidou-Bradley said. "Now they're on the map."

That matters because in rural areas where the overall population density might be thin, people actually are clustered in a few areas. If there's funding to build 20 wells in a district, for instance, that helps inform where the wells should be.

This type of mapping makes use of geospatial data, which is tremendously useful if it's accurate and current — and publicly available. In the developing world, often none of those conditions are true. So Kosmidou-Bradley and others set out to change that in Afghanistan, with data contributions made by scores of contributors in Afghanistan and Washington, D.C., alike. They apply data gleaned from satellite imagery as well as crowdsourced data input on low-cost smartphones out in the field. Teams of contributors trained in the mapping protocols and software tag features. They apply data from — and for — infrastructure projects and agriculture, education and healthcare.

"It's not just a single data source, but it's many different data types coming together," he said. "That is where the real power comes in."

Focusing on Afghanistan, Kosmidou-Bradley has hosted "mapathons" in both Kabul and at the World Bank Building back home, enlisting work by government ministry officials, students and professors. Following a multi-day workshop introducing participants to a graphic information system (GIS), 25 people took part in the biggest mapathon in Kabul. Back in D.C., some 40 took part.

During winter, when roads aren't under construction in Afghanistan, they have also tapped field surveyors and construction engineers to enter data on what they built.

Stateside, Johanna Belanger was one of the collaborators on a project mapping road data in the province of Ghor, in northwestern Afghanistan. She was a student in Washington, D.C., at the time; the project offered a powerful lesson in how poverty and development are inextricably tied to geography. She's now a consultant to the World Bank.

With all those efforts, the work is not just about the resulting map; it nurtures a community of people who have the skills and commitment to continue the work and, in turn, to train others.

The true value of the maps is that the data isn't locked on a computer belonging to the World Bank or a government ministry. Instead, the open-source platform they use for mapping the data, OpenStreetMap, allows for the created data to be available to the world in minutes. And, as consultant Belanger said, working on this platform "gives me a sense of global citizenship and the feeling that perhaps I can in fact make a difference in the world, one edit at a time."

LESSONS FROM THE MAP LIBRARY

It was in CU Boulder's map library that Kosmidou-Bradley learned to read geography and history as charted on paper. Other lessons he learned: Everything happens *somewhere*. That and, he said, "Humans are inherently visual creatures. We process information visually at a shockingly fast rate. Humans are also inherently spatial. When people think of maps, they often think of just normal geography, but it can include everything."

He took that knowledge to work for the Department of Defense in 2010 and learned to navigate digital mapping environs. (And in moving from Colorado to Washington, D.C., he learned the lesson that you don't map work-to-home in terms of geographical distance but *time* — especially during rush hour.)

At the World Bank, which he joined in 2016, he learned the value of a holistic approach: Where the agriculture team in Afghanistan has identified a project could have great impact, partner that with the transport team to ensure better roads to market and that amplifies the value of both projects. Or by logging where certain diseases are showing up, you might see that by pairing that with information on water and sanitation, the answer to better health for the community might not be simply more doctors — but more wells.

The community working with the data needs to be broad-based, too.

"When people say geospatial data, geospatial analysis or just geography, that is a huge field," Kosmidou-Bradley said. "No single person knows all of it."

But by training a range of team members, he hopes to build a sustainable skills pipeline.

"Some people will go into government, some people go into the private sector," he said, which in turn could foster entrepreneurship.

And if all goes well, he works his way out of a job.

Though, of course, OpenStreetMap isn't only for the workday. It takes the Wikipedia ethos but identifies a username with each data point that gets added — which ensures accountability. Kosmidou-Bradley has used the platform around the world — from Greece, where his wife is from, to roads north of Winter Park, Colorado, where they held their wedding. In the mountains, he said, "I realized that some of the roads in OpenStreetMap up there were not entirely correct. So I went through and corrected those."

SUIT AND PACK

On a Tuesday afternoon in March when we met at the World Bank Building in Washington, D.C., Kosmidou-Bradley wore a gray suit and a red-and-silver tie. He is trim and fit with brown hair and blue-gray eyes. It just so happened that a few days before, the United States had signed a peace agreement with the Taliban, a remarkable milestone in the history of Afghanistan. As for what that will mean for his work, Kosmidou-Bradley won't speculate — so much can change week-to-week — though he's seen firsthand the cost of conflict in the country.

Through the mapping of Afghanistan, he has also come to know the settlements and castles along the ancient Silk Road in the north. He was stunned to discover city fortifications that ran for 10 or 15 kilometers at a stretch. Having professors and students map these parts of the country's heritage also matters to organizations like UNESCO: what is there and what should be protected.

"Now that I've seen some of these castles, I'm going to go visit them," Kosmidou-Bradley said brightly.

Years ago, before going to work for the World Bank, he backpacked through Pakistan. And through his work in Afghanistan he's seen landscapes that spark his desire to explore terrain that's entirely new — yet hit close to home.

"When I was a Boy Scout leader we spent a lot of time in southern Utah doing slot canyons," he said. And in Afghanistan, he said, "I see a lot of slot canyons."



INFOGRAPHIC Online Learning

Going Remote

On Monday, March 16, CU Boulder went fully remote in response to the COVID-19 pandemic, meaning all classes and most jobs for the university's more than 35,000 students and nearly 10,000 faculty and staff were online only. The feat was extraordinary. Here's a look at the campus's Zoom usage during the first two weeks alone, compared to March 2019.

1,679,600

minutes in March 2019

15.6M

minutes in March 2020

540

new users in March 2019

39K

new users in March 2020

8,280

meetings in March 2019

53.7K

meetings in March 2020

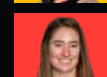
Zoom Usage

Conferencing software used by students, faculty and staff

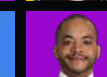
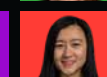
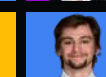
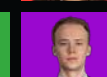
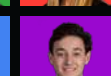
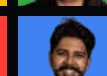
All data collected as of March 31, 2020. CU Boulder students, faculty and staff pictured.



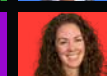
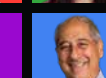
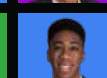
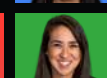
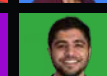
39,000



28,500



19,000



9,500



March 1

March 5

March 8

March 11

March 16

March 27

March 31

NUMBER OF NEW ZOOM USERS



- Zoom Conference @10am
- Zoom lunch w/friends @12:30
- Zoom class call @ 3:30
- Zoom workout @4pm

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University of Colorado Boulder



Sweeping Changes

After moving up the ranks from custodian to principal, Michael Atkins has his sights set on an even broader goal – transforming the education system.

by Greg Forbes Siegman

From time to time, while **Michael Atkins** (MEdu'15) cleaned the floors of a classroom or hallway at Smiley Middle School in Denver's Park Hill neighborhood, he overheard students stumbling over a word or two in a story. More often than not, he set down his dust mop and read with them.

Eighteen years later, as the head of Stedman Elementary School, he now shapes the education of an entire student body in the same district.

Atkins' unlikely path from custodian to principal was not an easy one. In 2001, determined to work in Denver's public school system but unable to land a role in the classroom, he accepted the custodial job at Smiley.

In the years that followed, Atkins gradually advanced through the system — eventually earning his shot to be a teacher and then moving into administrative roles such as assistant principal. Until finally, in fall 2019, Atkins became principal at Stedman.

Atkins does not regret the long road he traveled to reach his current position. He believes each stop on the way helped prepare him for the next while also enhancing his ability to be effective as a principal who oversees nearly 60 employees and 350 students.

"Ultimately, all of the different hats I wore within the district were critical to my professional growth and current lens as a leader," he said.

So much so, Atkins believes anyone who wishes to lead a school ought to spend time working in a non-academic role such as custodian or clerk instead of limiting themselves to administrative positions while they work their way up the professional ladder.

"I am a true believer of the phrase 'walk a mile in someone else's shoes,'" he said. "It helps you to develop sympathy and understanding for the daily grind and nuances of that particular position. It also allows you to navigate from experiences instead of assumptions."

Atkins, who earned a master's degree in linguistic diverse education at University of Colorado Boulder in between receiving a bachelor's degree in behavioral science and elementary education from Metropolitan State University and an additional master's degree in K-12 administration from Denver University, credits his own education as another significant factor that shaped his approach as a school administrator.

"My time as a student has deeply impacted the way I carry out my daily

responsibilities,” he said. “My work is technical, and my course work [at universities] supported my adaptive growth and mindset.”

While it might be natural to view Atkins’ promotion to the principal’s office as the culminating moment in his story, the 39-year-old father of three insists he is just getting started.

Beyond leading Stedman Elementary School, he wants to spark fundamental changes in how “diversity is done” throughout the educational system.

“I think it is essential to build intercultural capacity within my educators and celebrate our differences while understanding we all react to cultural differences,” he said. “Knowing those reactions will allow us to foster authentic relationships and meet all students and community members exactly where they are.”

Atkins’ interest in this issue stems from his own experiences as a student growing up in Northeast Denver, when he was bused to school outside of his community as part of an effort to desegregate the schools.

“I distinctly remember my middle school teachers referring to us as the ‘bus

“Adversity is
guaranteed.
Perseverance
is a choice.
Go be great!”

kids,” he said. “There was nothing in place to support the adults in adaptive change — professional development designed to shift mindsets while providing opportunities for intercultural development.”

The application of Atkins’ philosophy has already led to tangible changes in the day-to-day experience of Stedman’s students.

“Our classrooms, for example, are distinctly different from a traditional one. Our classroom libraries are made up of culturally responsive books. We think it is important students can see themselves within the curriculum,” he said. “We also want classroom configurations to meet cultural orientations. It is critical

that students are comfortable in their classrooms, and it feels similar to home. For example, there are designated areas within the classroom for students to bring pictures of their families.”

Drawing from his past, Atkins has tried to foster a different kind of environment for the employees at Stedman as well. One of his first priorities as principal was to ensure his custodial staff — and all other school staff who work outside of the classroom — are treated as full-fledged contributors to the students’ learning experience. They participate in all school-wide professional development activities and are recognized at assemblies for the relationships they foster in the building.

“Custodians are a vital part of the education of our children. They interact with them during times when children develop their social intelligence and emotional competencies,” Atkins said. “They must have the capacity to build authentic relationships while modeling the school’s values.”

Stedman’s facility manager, Brandon Mercadel, oversees the school’s custodial staff and building maintenance. He appreciates the new principal’s efforts.

“Mr. Mike understands from personal experience that someone in my position can contribute a lot to the students’ lives,” Mercadel said. “If I have a thought or idea, I know he will listen. And he treats everyone here that way. It is a community-based environment. Everybody has a voice.”

Of course, Atkins’ central focus remains the students. His concern for them extends far beyond the responsibilities associated with his job. Stedman Elementary School happens to be located in Park Hill — the same neighborhood where Atkins was raised as a child.

“I see myself in my students, and I can relate to their experience inside and outside of school,” he said. “In a sense, in an earlier generation, my friends and I were those kids. Several of the students are the children of people I grew up with. So, long before I was their principal, I cared about these kids and their future.”

He also takes great pride in knowing his journey has motivated many young people to believe in the same core values that have guided him.

Said Atkins: “My students see me as their principal with a story of perseverance. Many of my students recite a quote of mine — ‘Adversity is guaranteed. Perseverance is a choice. Go be great!’”





POWERFUL PROSE

Shakespeare's enduring legacy
is on display at the
Colorado Shakespeare Festival.

BY SARAH KUTA



The Bard's turns of phrase, witty puns and beautiful verbiage still have a place in today's emoji and TikTok-ruled society.

The Colorado Shakespeare Festival makes sure of it.

For more than 60 years, the festival has kept William Shakespeare's language alive, sharing his famous (and not-so-famous) words with new generations of theater-goers on the CU Boulder campus.

After a 2020 COVID-19 hiatus, the tradition plans to continue in 2021 with a spiced-up performance schedule and dynamic cast, which includes **Sam Sandoe** (BioChem, Thtr'80), who's been performing with the festival for 50 years.

"Shakespeare's language is some of the greatest ever written, and the importance of the ideas and the conflict and the human nature of it all translates century after century," said Sandoe. "So this 400-year-old playwright is still valid and important to us now."

For Sandoe, Shakespeare is a family affair. Though the festival was officially founded in 1958, its origins date back to 1944, when



The Colorado Shakespeare Festival has been a CU Boulder summer tradition since 1958. The festival plans to return to campus in 2021 with some modern and exciting twists to classic plays.

CU librarian and English instructor James Sandoe — Sam Sandoe’s father — directed *Romeo and Juliet* at the newly constructed, 1,000-seat Mary Rippon Outdoor Theatre.

James Sandoe, who directed many performances at CU and the Oregon Shakespeare Festival, passed along his love of the Bard and the university to his four children. He died in 1980, but Sam Sandoe says he still thinks of his father often during rehearsals.

After tagging along to performances with his family as a child, Sandoe began acting in the festival as a teenager in 1970 and fell in love with Shakespeare. Even while working full time for CU Boulder’s University Communications team from 1996 to 2017, he rearranged his schedule to make time for rehearsal, often leaving his house at 5 a.m. and not returning again until midnight.

He’s acted in so many plays that he’s on track to complete the entire canon — meaning he’s performed in all 37 of Shakespeare’s plays, some more than once.

“For somebody who is not in the-ater full-time to manage to notch all of Shakespeare’s plays is an act of endurance — and it took me half a century,” Sandoe said. “I’m proud of that.”

Even after all these years, Sandoe, 65, still revels in the collaborative process of getting a show ready for opening night.

“You’re working with a bunch of creative people, trying to translate words on a page

into something dynamic, and that’s a great deal of fun and a great challenge, but it’s very rewarding,” said Sandoe, who lives in Boulder.

The Colorado Shakespeare Festival is a professional theater company housed within the CU Boulder College of Arts and Sciences. The festival — the second oldest Shakespeare Festival in the country — regularly collaborates with students, faculty and staff from CU’s English and theater and dance departments, and it offers a graduate certificate in applied Shakespeare.

“There’s a long, long history of Shakespeare scholarship here on this campus, and there is a great deal of pas-

sion and love for Shakespeare among our scholars,” said Tim Orr, Colorado Shakespeare Festival’s producing artistic director.

Professional actors temporarily relocate to Boulder from May to August when they land a part and work alongside local actors like Sandoe. Professional

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SHAKESPEARE
AMONG OUR
SCHOLARS.**



Celebrities like Val Kilmer and Annette Bening have performed in the Shakespeare Festival, which sees roughly 30,000 audience members in a season that runs from June to mid-August.

directors collaborate with festival staffers to determine an artistic vision for each production. Up to 23 cast members can be involved in one performance.

Celebrities like Val Kilmer and Annette Bening have performed in the festival, which still hosts many performances in the Mary Rippon amphitheater.

The lineup for the festival — which runs from June to mid-August and sees roughly 30,000 audience members a season — is determined two to three years in advance, to avoid repeating titles too often. Orr said he considers each season as a whole, taking care to offer a diverse array of shows so someone could reasonably attend all of them. That also means incorporating some non-Shakespeare plays into the lineup, such as Homer’s *The Odyssey* or *Cyrano de Bergerac*, and adding a modern twist to classic plays.

“When it comes to the text, I don’t want to reinvent the wheel,” said Orr. “When it comes to telling the story, I want to see something new. Every line of Shakespeare could be interpreted two or three different ways, so that gives you a nearly infinite number of interpretations of what he meant.”

If the festival resumes in 2021, for instance, actors will wear 1950s costumes and tromp around France for *All’s Well That Ends Well*, and there will be a 1980s glam punk rock vibe in *A Midsummer Night’s Dream*.

“I’ve never produced or even seen a season of theater that was in pre-production for two years,” said Orr. “More time to dream. More time to imagine. It should be amazing.” Even after 400 years, the themes and emotions depicted in Shakespeare’s work remain relevant — and they keep audiences coming back, year after year.

“Shakespeare didn’t feel anything that you or I don’t feel,” said Orr. “Like any great artist, he’s just a master at expressing it and conveying the experience so that you and I know that we’re not alone and that we’re not the first people to have experienced this.”

And being in Boul-

der doesn’t hurt, either.

“You’re going to hear amazing language that has never gone out of production, and you’re going to see it in one of the most beautiful venues in America, under the stars, under the mountains,” said Orr. “It is not only seeing a Shakespeare play, it is the full experience of seeing it here.”

**YOU’RE GOING
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AMAZING
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AND SEE
IT IN ONE OF
THE MOST
BEAUTIFUL
VENUES IN
AMERICA,
UNDER
THE STARS,
UNDER THE
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Bufs Together

CU students, alumni, faculty and staff face the COVID-19 pandemic head-on

When senior **Anna Ritz** (StComm'20) saw a need to motivate students to practice social distancing this March, she helped launch a student-run campaign, #flattenthecurve, which featured daily photos of friends and family deemed high-risk for COVID-19.

"We thought that seeing the message come from peers and friends would help drive home the message in a more effective way," said Ritz, president of CU Boulder's branch of the Public Relations Student Society of America.

The idea caught on: Fifty other CU Boulder students shared moving testimonials for remaining home.

Dozens of stories like Ritz's surfaced early in the pandemic. Rhodes Scholar **Serene Singh** (Jour, PolSci'19), pictured, pushed for a crowd-funding campaign to help struggling students. **Isabella Shelby** (MCDBio, PreMed'20) started a petition to postpone graduation to maintain a safe environment, an effort that garnered 2,500 signatures in days.

University labs, units and departments donated more than 130,000 pieces of personal protective equipment (PPE), and CU engineering labs printed more PPE on 3D printers. Kyle Judah, director of entrepreneurship at the College of Engineering and Applied Science, led an initiative to help local restaurants by having them make meals for Boulder healthcare workers. CMCI professor Dan Ligon sewed masks.

The effort of Bufs was global. **Moon Yin** (ElCompEngr'16), leader of CU's Shanghai alumni chapter and pictured below, brought together 10

other alums to donate 1,200 N95 masks to CU.

In April, the university launched the Bufs Together campaign to further support students, staff and faculty in need. CU Boulder committed \$1.6 million in emergency funds.

"Together as a community, our Bufs have offered their generosity, skills, supplies and expertise for others," said **Ryan Chreist** (Kines'96, MPA'09), assistant vice chancellor and Alumni Association executive director. "Wherever we are in the world, these efforts are uniting us as a university and making a profound impact."

Find out more about the Bufs Together campaign at colorado.edu/buffs-together.

Bufs Together, a campaign to assist students and staff in need, launched in April.



CU Boulder Next, New York

On Feb. 27, CU pride swelled from the Grand Hyatt in New York City during CU Boulder Next. Attendees learned about the university's latest innovations and inspirations during five BuffTalks presentations, which ranged from smart tattoos to Mars. Other highlights of the evening included a spontaneous opera performance from

Grammy winner **Wei Wu** (MMus'13), alumni-crafted beer and wine, and ample shared CU memories. **Audra Dixon** (Soc'06) tweeted from the event: "Connecting with @CUBoulder alumni from afar in my new home at #CUBoulderNext NYC. Go Bufs!"

Since 2018, CU Boulder Next has traveled to Los Angeles, San Francisco, Washington, D.C., and Denver. Watch the BuffTalks videos from past events and learn more about CU Boulder Next at colorado.edu/next.



CU Boulder Next BuffTalks speakers: Peter McGraw, Allison Anderson, Hannah Glick, Carson Bruns and Anna Spain Bradley.



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Get professional

assistance with your résumé, interviewing skills and job search strategy or find clarity on other work-related topics such as negotiating a raise, planning for retirement or improving your online presence.

All alumni receive two free career counseling appointments through Alumni Career Services per calendar year. Additional appointments are \$30 per session. New graduates receive free career advising for a year after they graduate. Visit colorado.edu/career/alumni to schedule an appointment.



The Herd and Mental Health
This March,

the philanthropy committee of The Herd — the student arm of the Alumni Association — prioritized students' mental health. In an effort to support CU Boulder's Peer Wellness Coaching program, which allows trained student employees to communicate with on-campus students struggling mentally, the group began a fundraising campaign to raise money for a coach who could communicate with off-campus students.

The COVID-19 pandemic disrupted their in-person efforts, so The Herd shifted their focus to encouraging students virtually.

"This was an exercise for Herd leaders in understanding how to adapt to drastic change," said **Kavya Kannan** (Econ, PolSci, IntlAf'21), chair of the committee. "Recent happenings have shown us the need for stronger mental health resources, and we hope that this event links The Herd to supporting mental health on CU's campus."

The group will resume active fundraising in spring 2021. Visit colorado.edu/theherd/mentalhealth for more information.



Commencement 2020

Last May, CU Boulder grabbed headlines with the “Snowmencement” of 2019. Sunglasses and sandals were swapped with ski goggles and boots. The high was 39 degrees.

This spring, in response to the COVID-19 pandemic, the university replaced the in-person ceremony with a live-streamed event on May 16.

The conferral of degrees, reading of the Norlin Charge and recognition of outstanding graduates proceeded as usual. *Hardcore History* podcaster **Dan Carlin** (Hist’89) gave remarks in the annual commencement address. Individual colleges and departments further recognized the milestone with their own virtual celebrations.

Eleanor Alicea (StComm’20) viewed the ceremony in her Boulder home with her three other graduating roommates. **Courtney Kauffman** (ArchEngr, PreMed’20) watched in her parents’ living room with her brother and fiancé. Both participated in their individual college’s events.

“Although I am disappointed that I cannot have the full graduation experience in person with all of my classmates, I am happy that CU was able to adapt and still find a way to honor the Class of 2020,” said Alicea. “I plan to still hold my head high as I celebrate all of my accomplishments from my four years at CU.”

Eleanor
Alicea, a
member of
CU Boulder’s
Class of 2020.



Meeting the Challenges

The pandemic has impacted all of us. Remind us of the actions taken by the campus to minimize impact on the health and education of our community. Our top priority is to protect our students, faculty, staff, their families and the broader community, which required us to quickly move to remote learning and teaching. We strongly encouraged all students who could to relocate to their permanent homes, and 96% did. We shifted to a virtual graduation and instituted remote work for most employees. We work around the clock to keep our campus safe and operational in service to our students.

You often point out that the university seal embossed on diplomas depicts a torch in the hands of youth, who will light our way. How are students and the campus community shining a light through the darkness of this pandemic? There are many examples, here are a few: Students and other campus volunteers collected 130,000 pieces of personal protective equipment from 40 campus units to donate to healthcare workers and first responders. Students and faculty are 3D printing parts of protective face shields for healthcare workers. CU Boulder researchers are developing an affordable over-the-counter test that can tell if someone has corona-

virus before they develop symptoms. Staff helped launch a program for the community to donate meals from local restaurants to be delivered to health-care workers and first responders.

We've been hearing a lot about Buffs Together. What is it? Buffs are uniting in ways relevant to every part of the campus community. Buffs Together is a campaign to bring the campus community together to assist fellow Buffs during the pandemic. It includes a campus matching gift of \$1.6 million from vending machine commissions and insurance rebates donated to an emergency fund for students and one for faculty and staff. Employees are donating, and we hope alumni, friends and supporters participate. The initiative also connects Buffs to volunteer opportunities.

What will stick with you when this pandemic is written into history? The sacrifice, perseverance, citizenship and sense of community among our students, faculty, staff, alumni and their families. Faculty worked very quickly to transition their classes to remote learning. Front-line staff have worked on campus in service to students who still call the campus home. Students completed spring studies remotely, and more than 6,000 graduated, during these very trying times. I'm so proud of them.

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



Going the Distance

Joe Klecker ran the fastest mile ever in Colorado. Now he's waiting for the Olympic trials.

Joe Klecker's (BioChem'20) mom made the 1992 Olympic team. His dad holds the U.S. 50-mile ultramarathon record. His five siblings run. Running is in his blood.

"I have this wristband I made in 8th grade," he said. "And I put my high school [running] goals on it."

A 4:05 mile. An 8:50 two-mile.

He broke both of these marks, earning him Minnesota Boys Track and Field Athlete of the Year.

CU Boulder presented new challenges — biochemistry and Division I competition. He contemplated the next half-decade.

"I was stubborn, trying to always work harder," Klecker said.

"[Coaches] Mark [Wetmore] and Heather [Burroughs] put my redshirt in perspective: Do you think you'll be a better runner now or in five years? I listened to them."

Klecker has since become one of the NCAA's best distance runners. He also began mentoring teammates, like transfer standout **Alec Hornecker** (Fin'21), and emphasized restarting CU's Pac-12 Cross Country championship streak.

Wetmore joked about Klecker's offseason leadership: "He will murder [teammates] if they come back out of shape."

He runs 100 miles a week in the summer, including 20-mile treks up to Gold Hill and speed work for end-of-race sprints. But Klecker learned that fitness only goes so far.

"It's about being a tactician," he said. "You have to pay attention to the metrics: your heart rate, breathing, how you're feeling."

Though the 5,000-meter is Klecker's favorite event, he's an elite miler. He ran 3:58:51, breaking the four-minute mark, at 2019's MPSF Championships in Seattle. At the 2020 Colorado Invitational, he ran 4:01:00, the fastest mile ever run in the state.

In May, Klecker announced he's forgoing his additional year of spring eligibility, heading pro and will compete at the eventual Tokyo Olympic trials. Until then, he's finishing his dental school application.

"Eventually when I'm done running, that's the career I want to go into," he said. "Like running, it's a family thing."

Joe Klecker has run a mile in under four minutes.

📷 Courtesy CU Athletics

NCAA Cancels Spring Sports

On March 12, 2020, the NCAA canceled the Division I men's and women's basketball tournaments and the remaining winter and upcoming spring championships due to the COVID-19 pandemic. Additionally, the Pac-12 suspended all organized team activities through at least May 31.

On March 30, the NCAA voted to allow schools to provide spring-sport student-athletes an additional season of competition and an extension of their five-year period of eligibility. Financial aid rules have been adjusted to help schools support incoming student-athletes and those now returning for an additional season. In April, CU athletic director Rick George told *Sports Illustrated*, "If seniors decide to come back and coaches are in agreement, squad limits will not be counted in their financial aid limitations. So, we can provide scholarships or financial aid to student-athletes above the financial aid limits currently." Winter athletes were not granted an additional year of eligibility.

Bufs Bits

In March, **Dani Jones** (Psych, SLHSci'20) was named the Track & Field National Athlete of the Year by the United States Track and Field and Cross Country Coaches Association. ...

Mikaela Tommy (Env Des'20) was recognized as the National Women's Alpine Skier of the Year by the United States Collegiate Ski Coaches Association in April, capping a season in which she had nine podium appearances in 10 finished races. ... Men's basketball's **Tyler Bey** (Ethn'21) was honored as the 2019-20 Pac-12 Defensive Player of the Year. **McKinley Wright** (Ethn'21) joined Bey on the conference's five-member All-Defensive squad. As of press time, both were testing the NBA draft waters. ... CU Boulder athletic director Rick George was named to the College Football Playoff (CFP) Selection Committee in January. ... **Laviska Shenault Jr.** (EthnSt'21), **Davion Taylor** (Psych'20) and **Arlington Hambright** (MEdu ex'22) were selected in the 2020 NFL Draft in April. **Steven Montez** (StComm'20), **Tony Brown** (Soc'20) and **Delrick Abrams Jr.** (EthnSt'20) signed as NFL free agents.

Coach Talk

"WE'RE JUST GOING TO TRY TO MAXIMIZE WHATEVER CHANCE WE GET WITH OUR PLAYERS...WE'RE NOT GOING TO USE ANY EXCUSES."

— First-year head football coach Karl Dorrell. The Bufs were one of three Pac-12 schools yet to begin spring practices when the conference shut down all team activities due to COVID-19.

STATS

3rd

Taylor Kornieck (IntPhys'19) selected in the 2020 National Women's Soccer League draft by the Orlando Pride

12-0

Women's basketball's start to season before loss to No. 2 Oregon

200th

Win at CU for coach Tad Boyle (men's basketball's December victory over Iona)

2,548

Career receiving yards for **Michael Westbrook** (Comm'95), College Football Hall of Fame class of 2020

24

Student-athletes named to the 4.0 Club at the Spring 2020 Academic Recognition Breakfast

3:39.64

Women's 4x400-meter relay time (4th overall) at MPSF Indoor Track and Field Championships

They Call Me Grandma

Captain **Julia Lisella** (SLHSci'20) of Littleton, Colorado, played with every class in CU Women's Lacrosse history. The All-America, Goalkeeper-of-the-Year anchored multiple Top-25 seasons. And some of her best saves have come with her eyes closed.



Are there other 5th-year players on the squad? No. They call me grandma. It's crazy to think how fast five years goes by. I slowly stepped into that leader role. The girls ahead leave, but there's always new girls coming in, and we try to keep the culture the same.

Were you one of Coach Ann Elliott Whidden's earliest recruits? The program hadn't started when I committed; they were training for their first year. I was going into my junior year of high school. It was incredible to be part of a team that had the inaugural class. They were juniors when I came in as a freshman. I've been here with every class since the program started.

When did you start playing lacrosse? I started playing lacrosse in fifth or sixth grade. Growing up, I played all different sports. I even played tackle football. But I will never forget when my dad got my brother [John Lisella II (Mktg'18)] and I our first lacrosse sticks. I didn't play goal until eighth grade. But when I started, I knew I wanted to play in college.

When did you know you wanted to play in Boulder? To be honest, I flipped a coin. CU was heads and DU [University of Denver] was tails. I saw heads, and I knew from my immediate reaction: I was excited to see the CU side.

Who are CU Boulder's rivals? We have two incredibly competitive Division-I women's programs in Colorado — here and DU. Within the Pac-12, it's USC and Stanford. They're very well-coached, very competitive.

This is your third year as the starting goalie. Do you call out defenses? We go into every game with a plan. We practice and know what type of defense we're running. As a goalie you're the quarterback of the team and see the whole field. You grow and become more aware. Your lacrosse IQ gets better.

What's the most challenging aspect of playing goalie? It's 100% the mental part. Just have a short memory. Get the next shot, make the next play, anything you can do to remain confident.

How do you see the ball when it's coming through a crowd? I try to eliminate distractions, the people, the movement. I keep track of the ball at all times and then react. But we joke because there are pictures of me, action shots with my eyes closed. It's a natural reaction to dodge or step out of the way of something flying at you. I have to switch that mentality and step into it. Goalies are different, maybe a screw loose or something.

What do you wear during play? I wear some of the most padding in NCAA lacrosse. The chest pad, helmet

and gloves are always worn, but I wear thigh pads and shin guards too. Junior year, I started wearing knee pads because I've been so beat up. That's also why I'm always in sweatpants. The ball is like a magnet. I could wear as much padding as I want, but the ball always gets in. I get bruises and welts.

What is the reason for the team's consistency? All credit goes to Coach Ann. She has been an incredible mentor, coach and leader. We have high expectations for ourselves and move together as one. Ann's just amazing and is surrounded by an incredible staff.

What defines success for you? If a senior class can leave the program better than we came in, knowing we've made an impact and our legacy will continue, then that's ultimately success.

What do you see in your future? I would like to continue to coach younger girls. I'm a signed model in Denver, so I want to pursue that too. I've also taken a few flying lessons. As far as professional lacrosse goes, if that's an opportunity, it would be amazing.

CONDENSED AND EDITED BY ANDREW DAIGLE.

NOTE: WHEN THE NCAA CANCELED ALL SPRING SPORTS IN MARCH, THE CU LACROSSE TEAM ENDED ITS SEASON 3-2 AND RANKED NO. 25. LISELLA PLANS TO RETURN TO THE TEAM NEXT YEAR WITH HER EXTRA YEAR OF ELIGIBILITY.



Bufs TOGETHER

CU Boulder is more than a place. It is all of you, wherever you are — a worldwide community of Bufs. And when that community is in need, we all come together to lend a hand.

colorado.edu/buffstogether

CLASSnotes



Kevin DiFalco (AeroEngr'04) is director of operations and a pilot for the Air Force Thunderbirds, which flew over several Colorado cities April 18 in a tribute to healthcare workers.

'56 Grammy-winning composer **Dave Grusin** (Mus; HonDocMus'89) of Santa Fe, New Mexico, was the subject of a recent documentary, *Dave Grusin: Not Enough Time*. Director **Barbara Bentree** (MusEdu'80) has been a fan of Dave's for 40 years and conducted interviews with Quincy Jones and Tom Brokaw for the film. CU Boulder's dean of the College of Music, Robert Shay, also makes an appearance in the film.

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MARS SOCIETY MEMBER BOB BRUNER WAS INVITED TO THE FINAL LANDING SITE MEETINGS FOR THE NASA MARS 2020 ROVER IN PASADENA, CALIFORNIA.

'58 Poet and author **Joan Wilson Zink** (A&S), of Deland, Florida, has produced a musical based on Nostradamus that will be performed locally. Joan began her creative career in the early '70s when her poems were published

in the *Denver Post*. Her late husband **David** (MEngl'57; PhD'62) helped her publish a self-help book titled *You Are the Mystery*. She writes, "To me CU gave the exact discipline and professional quality of teaching that enabled us to do what we have

done in the world. It will always have a special place in my heart."

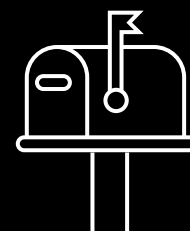
'60 When **Bob Bruner** (PolSci'60; MBA'63) was 10 years old, he met Dr. G.P. Kuiper and looked at Mars through the largest refracting telescope in the world. The experience hooked him, but a "D" in physics lab at CU Boulder dashed his scientific hopes — until his later life. For three decades, he's served as a volunteer in the Denver Museum of Nature and Science's space sciences department, and has been a member of the Mars Society space advocacy group since 2001. Several years ago, Mars scientist Dr. Steve Benner invited him to contribute an exhibit to the Gordon, Texas, Origin of Life conference. Bob's exhibit on meteorites and minerals associated with life's beginnings was then shown to 650 scientists at the NASA International

Mars Conference. "Thus began a comeback 57 years in the making," Bob said. As a result of his work, Bob was invited to the final landing site meetings for the NASA Mars 2020 rover in Pasadena, California, and the ESA Exomars 2020 rover in Leicester, United Kingdom. Bob's name is listed on a paper about looking for life on Mars, slated for publication in the journal *Astrobiology*.

'71 Former professor emeritus at North Dakota State University **Tim Klobberdanz** (Anth) has made the most of his recent retirement. He has published two novels about American rivers: *Once Upon the River Platte* and *One Day on the River Red*. He is at work on future books dealing with the Mississippi and Missouri Rivers. He writes that he is fortunate his wife **Rosi Appelhans Klobberdanz**

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(Psych'76) "loves reading, traveling and exploring rivers." The couple lives in Fargo, North Dakota.

'74 **Dave Engles** (CivEngr) received the 2019 Engineer of the Year Award from the Wyoming Engineering Society. Dave and his wife Catherine live in Sheridan, Wyoming, where he is a principal in EnTech, Inc. Professional Engineers.



Beginning in March, classes at CU Boulder went fully remote. Most students returned home.

BOULDER'S ANITA SANCHEZ, AUTHOR OF SEVERAL BOOKS, WAS HONORED AS ONE OF 43 WORLD-CHANGING WOMEN IN BUSINESS.

'75 After more than 30 years of service, **John C. Green** (Econ) has retired from the University of Akron. As a professor of political science, John served as department chair, vice dean, dean and director throughout his career. In honor of his many years of service, the university established the Dr. John C. Green Endowed Scholarship Fund. He lives in Silver Spring, Maryland. Last January, Boulder's **Anita Sanchez** (DistSt; MPubAd'77; Phd'88) was honored as one of 43 World-Changing Women in Business. She was

invited to speak about indigenous wisdom for women in business at the 2020 World-Changing Women's Summit in Sonoma, California. She is the author of several books.

'76 Last January, after a five-hour test, **Chip Portales** (Engl) earned his Sankyu — a third-degree brown belt — in Kenpo Karate. Chip has been practicing law for over 36 years and has been on the ethics committee of the Colorado Bar Association for 21 years. The married father of two lives in Thornton, Colorado.

'78 **Jeff Mehan** (Econ) of Stamford, Connecticut, has been resurrecting dual-salom professional ski racing, taking it back to the days of **Billy Kidd** (Econ'69) and **Spider Sabich** (A&S'71). Some of his more recent competitions included races in Vail, Steamboat and Eldora, Colorado. Jeff works on Wall Street in the international financial derivatives markets.

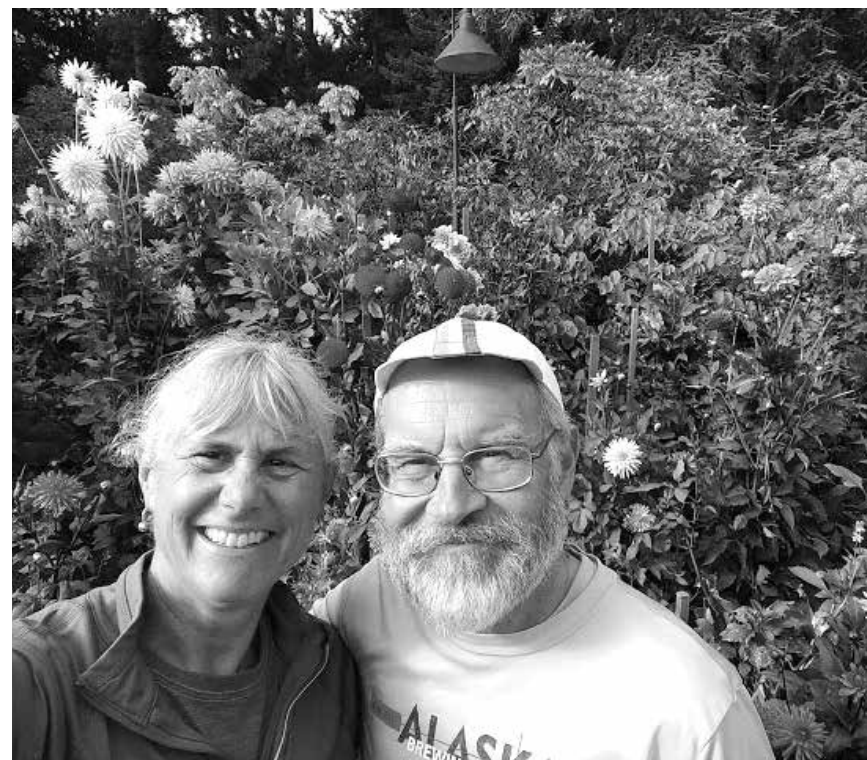
'79 Last January, **Phil Barber** (Law) a Boulder-based lawyer, was covered in the *Boulder Weekly* newspaper. Phil has been a lawyer for 40 years, representing communities focused on regulating oil and gas operations, including Boulder, Longmont and Broomfield's attempts to limit fracking. Phil also has been taking on pro bono immigration cases, helping immigrants avoid deportation.



Though quiet on campus, signs of spring appeared in April: flowers, leaves and bluebird skies.

FIVE QUESTIONS

Cycling America



For 31 years, **Rob Drugan** (MPsych'81; PhD'84) has taught a course on behavioral medicine at Brown University and the University of New Hampshire. Last year, he decided to take his course — which focuses on the benefits of exercise — to the streets. He took a year of unpaid leave and, with his wife **Connie Eppich** (Psych'80), set out to cycle the continental U.S. starting in June 2019. They rode counterclockwise around most of the country, 9,560 miles in 285 days, until the COVID-19 pandemic halted their trip in Florida.

What was your inspiration for an around-the-country bicycle trip? Before we met, Connie had gone on an eight-week, 3,000-mile solo trip from Boulder to San Francisco through the Canadian Rockies. This has been a dream of ours for so many years that neither of us can remember where it came from. Bicycling counterclockwise meant that we would have the ocean on our right side for easier views.

Have you always been an avid cyclist? Connie has been bicycling all her life. I have been a runner and took up bicycling after we met. We've gone on numerous shorter tours (one to two weeks) throughout our marriage.

What was the hardest stretch of cycling? The second week riding through west Texas with rough chip seal on the highway, few places to stop, barren scenery and lots of trash and dead animals on the side of the road.

What was the prettiest view during your trip? The Oregon and Northern California coasts with so many incredible views of rocky cliffs and sea stacks.

What were your biggest obstacles? Headwinds, the invisible foe. With a mountain pass or long hill, you could at least celebrate getting to the top and enjoy the descent. Headwinds offered no relief and no end, just creative profanity. [READ MORE AT COLORADO.EDU/COLORADAN](https://colorado.edu/coloradan).

CLASSnotes



Kevin DiFalco (AeroEngr'04) is director of operations and a pilot for the Air Force Thunderbirds, which flew over several Colorado cities April 18 in a tribute to healthcare workers.

'81 Originally from Kokomo, Indiana, **Dana Scruggs** (Ger) chose to attend CU Boulder so she could ride her bicycle in the mountains. She has spent most of her career as a translator, including as a patent translator for a major German automotive components manufacturer. In 2013, she returned to Boulder and won the Boulder Canyon Hill Climb Challenge in her age group, as part of the Buffalo Bicycle Classic. She lives in Indianapolis.

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'82 Cynthia Clark (Econ; Law'85) published her first novel, *Boulder Girl, Remember Me When the Moon Hangs Low*. She describes it as "a story of suspense interwoven with a tender love story, enhanced by classic rock-and-roll music." She lives in Hygiene, Colorado.

'83 Greg Berger (Econ; Law'86) of Denver has been named department head of the Corporate & Business Department of Brownstein Hyatt Farber and Schreck Law Firm. **George Solich** (Bus; MMktg'91), of Denver,

was able to attend CU Boulder with the Chick Evans Scholarship, a full-ride scholarship for golf caddies. After graduating, George began his career in the oil and gas industry. Now a successful CEO, he has given back to his alma mater in many ways, including his founding of the Solich Scholarship, a needs- and merit-based program for CU Boulder business students. George and his brother **Geoff Solich** (Bus'81), of Centennial, Colorado, also founded the Solich Caddie & Leadership Academy, a Colorado Golf Association program that provides grants and training to young caddies.

'84 Geary Lar- ick (DMus) of Stevens Point, Wisconsin, wrote the article "Marimba Classics" that appeared in the December issue of *Rhythm! Scene*, published by the Percussive Arts Society. His first article appeared in the magazine in 1968. With more than 30 years of diving experience, **Bruce Nicholls** (Fin) decided to pack up and move to the Caribbean. Most days you can find him in or under a boat, or as he says, "living the dream."

'86 Karen Elting Brock (Engl) published *Every Thread a Story: Traditional Chinese Artisans of Guizhou Province* in April. Karen is the associate publisher of Thrums Books and has edited and helped produce 15 titles, bringing to life the stories of indigenous artisans from across the globe, honoring diverse cultures, history and craft traditions. This is the first book she has written for Thrums. She lives in Loveland, Colorado.

With more than 15 years of experience as a corporate recruiter, **Eileen Goode** (IntlAf) of Madison, Wisconsin, shifted her business focus to job search consulting. She works with clients to help them search for work and groom their résumés, LinkedIn profiles and interviewing skills. Previously, she was sales director with National Demographics and Lifestyle in Denver. With two partners she also established a technical staffing firm in Boulder. She writes she is "eager

to help any CU Buffalo grads that are challenged in their job search."

'89 Daniel Griffin (Phil) of Port Washington, New York, is a member of the Division of Infectious Diseases and an associate research scientist in Columbia University's biochemistry and molecular biophysics departments. He also is president of Parasites Without Borders, an organization that brings the latest information to the frontline of the medical field, and hosts *This Week in Parasitism*, a popular podcast with more than 2 million downloads.

'90 Montbello, California, resident **Keith Knox** (PolSci) was appointed Los Angeles County treasurer and tax collector by the County Board of Supervisors in December 2019. Keith has spent the last 29 years working for Los Angeles County, including working for the Employee Retirement Association. **Markos Scheer** (PolSci) opened the United States' largest kelp farm off Prince of Wales Island in southeastern Alaska. Kelp can be used in products like ice cream, salad dressing and pet food. For 20 years, Markos was an attorney at Williams Kastner & Gibbs, a Pacific Northwest law firm based in Seattle, Washington. His story was featured in the *Colorado Arts & Sciences Magazine* last year.

'91 In his debut novel *The Reincarnation Papers* **Eric Maikranz** (Rus), of

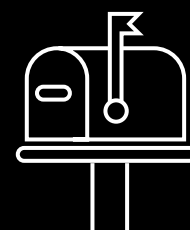
Denver, tells the story of a secret society of people who possess total recall of their past lives. Already a success, the novel is the basis for *Infinite*, a new Mark Wahlberg movie that was originally set for release in August but has since been pushed back to May 2021.

Last February, **Mona Siegel** (Fren) returned to CU Boulder to give a lecture about her new book, *Peace on Our Terms*. It covers the previously untold story of the women's delegation at the 1919 Paris Peace Conference, which had a significant impact on women's rights across the globe. Mona has been published in the *Washington Post* and the *New York Times*, and the book is the basis of a forthcoming documentary in the U.K. She lives in Sacramento, California.

'92 In the wake of COVID-19 **Selva Ozelli** (Law) turned to art. She submitted 14 paintings to the United Nations' and World Health Organization's "Global Call Out to

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Creatives,” a campaign to help raise awareness and stop misinformation. The UN selected all 14 to feature. Selva also wrote “The Need to Report Carbon Emissions Amid the Coronavirus Pandemic,” an article for *Cointelegraph*. She is also a contributing expert to The Jockey Club Museum of Climate Change, the world’s first climate change museum.

Doctor **Ken Starr** (MCDBio) of Los Osos, California, serves on the staff of three local hospitals. He founded his own clinic in 2012, which administers the compounds NAD+ and Nicotinamide Riboside, which were featured in the Winter *Coloradan*’s “The Anti-Aging Pill” as potential compounds to slow human aging. He wrote, “They truly are a game-changer.”

’93 Tom Swett (Engl, Hist; Law’99) was awarded one of the 2019 faculty awards at the National Institute of Trial Advo-

cacy, a Boulder-based nonprofit. Since 2006, Tom has given more than 65 seminars to lawyers on everything from trial and deposition skills to child advocacy. He lives in Louisville, Colorado.

’95 President of Let’s Grow Leaders **David Dye** (PolSci) published a book, *Courageous Cultures: How to Build Teams of Micro-Innovators, Problem Solvers and Customer Advocates*, based on research from the University of Northern Colorado. Leadership is important to David, who wrote that his interest “stems back to my CU days studying leadership and human organization in my PoliSci classes and within the PLC community.” He lives in Denver.

’98 Achieving a lifelong dream, **Tom Metz III**’s (Hum) first directed feature film, *30 Nights*, is available for streaming or purchase on Amazon. The movie tells the quirky story of a couple attempting to save

their marriage. Tom lives in Sherman Oaks, California.

’99 **Brandy Ferner** (Advert) released her debut novel, *Adult Conversation*, in May. The book takes a comedic look at two women who embark to reclaim autonomy against the demands of marriage and motherhood. Brandy is a parenting expert writer and podcast host who has appeared on *Good Morning America*, the *Huffington Post*, *Romper*, *CafeMom* and *TODAY Parents*. Brandy is also a doula, childbirth educator and birth trauma mentor, who specializes in helping women through transitions into motherhood.

Los Angeles-based anesthesiologist **Edna Ma** (EPOBio; MD’03) published a series of bilingual children’s books written in both English and Mandarin. They were inspired by her son and his best friend, who met in a Mandarin Immersion school. Edna also has been a contestant on *Survivor* and *Shark Tank*.



Beginning in March, classes at CU Boulder went fully remote. Most students returned home.

FIVE QUESTIONS

It Started at CU



Lincoln McBride (PhDChem’85), pictured top left, of Belmont California, is retired from Applied Biosystems (ABI), now biotechnology product company Thermo Fisher. In March, the FDA approved Thermo Fisher’s COVID-19 testing using fluorescent DNA probe-based real-time PCR technology he invented and led to commercialization in the 1990s.

What did you work on in Amgen founder Marvin Caruthers’ laboratory while at CU? I helped identify and develop methods for structural optimization, synthesis and purification of phosphoramidites, the key building blocks for solid-supported, automated DNA synthesis, which has helped fuel the biotech revolution.

How do you best describe the technology that you drove at ABI? Our 7700 TaqMan Real-Time PCR System used fluorescent DNA probes which enabled scientists to detect and quantify minute amounts of genetic material with unmatched speed sensitivity and accuracy. These “TaqMan” probes

were made on ABI’s automated DNA synthesizers using the phosphoramidite chemistry invented in Marv’s lab.

How is that technology now used to fight COVID-19? Twenty-five years after shipping our first prototype, my team and ABI as a whole can still be proud. The most recent generation of our technology available from several companies has proved to be today’s gold standard for detecting the presence of viral genetic material.

How did Marvin Caruthers significantly impact your career? Of course, Marv has good ideas and intuition, but what sets him apart is that he was an amazing leader,

ahead of his time. I believe it’s a badge of honor for him to have assembled such talented, diverse and even somewhat unruly teams.

Is there anything else you’d like to share with us? My parents went to CU and I was born in Boulder. My father, **William R. McBride** (EEng’58), was the leader of CU’s gymnastic team. He invented the first fully automated coin sorters, counters and wrappers in the 1960s. My mom, Sharon K. Zubler was the 1956 valedictorian of Monticello (Iowa) High School. She dropped out in 1958 to take care of me when my parents moved to Rochester, Michigan. She would have made an amazing CEO.

CLASSnotes



Kevin DiFalco (AeroEngr'04) is director of operations and a pilot for the Air Force Thunderbirds, which flew over several Colorado cities April 18 in a tribute to healthcare workers.

'00 Carl Servais (Arch) was named principal and K-12 education practice leader at TLCD Architecture, an award-winning architecture and interior design firm located in Santa Rosa, California.

'01 In 2013, Blain Howard (Phil), senior communication manager of Microsoft's Xbox, demoed the Xbox One with Jimmy Fallon and actor Will Forte on *The Tonight Show*. "It was also probably the most nervous I've ever been. Being live on-air was intense knowing millions of people were watching," Blain told the *Colorado Arts & Sciences Magazine* in February. Seven years later, Blain

still works in what he considers his dream job. He lives in Seattle.

Literary magazine *Ploughshares* featured **Diana Spechler** (Engl, Psych) and her short story, "An Older Woman," in its Winter 2020 issue. Diana's was one of only eight fiction stories in the issue. She lives in Portsmouth, Rhode Island.

'02 Kaite Barchas Wilson (Phil, Psych) was named Community Leader of the Year in the young professional category by the Loudoun County Chamber of Commerce. Katie is president of The Market Group, Inc., a boutique marketing, public relations and events firm. She is also the founder of the High-Heeled Happy Hours, a women's networking event series that honors female business leaders, and raises funds and aware-

ness for local charities. She lives in Purcellville, Virginia, with her husband, three kids, two dogs, two cats and one fish.

'04 Matthew Arentsen (IntlAf) has been named shareholder of Denver's Brownstein Hyatt Farber and Schreck law firm.

In April, **Corry Lee** (ApMath, EngrPhys) published her first novel, *Weave the Lightning*. The fantasy novel tackles issues of authority, revolution and trust, set in a backdrop of romance and magic. Corry lives in Seattle.

'05 Associate creative writing professor Jennifer Moore (MEngl) is the new director of the School for the Humanities and Global Cultures at Ohio Northern University. She lives in Bowling Green, Ohio.

Anna-Liisa Mullis (Jour, Law'11) has been named shareholder of Denver's Brownstein Hyatt Farber and Schreck law firm.

'06 Kevin P. Walsh (Psych) has been named shareholder of Denver's Brownstein Hyatt Farber and Schreck law firm.

'09 Last August, Allie Sandza (Jour) of Washington, D.C., was named senior producer of *Meet the Press*, the NBC political news show hosted by Chuck Todd.

'10 Sara Price (Mktg) joined the FX hit series *Mayans M.C.* as a member of its writing staff this year, before the release of the show's third season. Sara is a former Buffs track and field athlete and club soccer player, who moved to Los Angeles to pursue a career in TV writing. Although she grew up in Colorado, she writes, "I found myself equally at home in the California waves and Eastern Sierras."

'11 This year, Roshan Roghani (IntlAf) of Boise, Idaho, launched Cosmic Body, a health and beauty company featuring products made from fully renewable resources. After leaving CU, Roshan served as vice president at Camilie Beckman, a beauty care company based in Idaho.

'12 Brendon Bosworth (MJour) — who lives in Cape Town, South Africa — studied at CU

Boulder on a Fulbright scholarship. In April, he wrote that the COVID-19 lockdown was putting immense pressure on Cape Town's residents. He was part of a community-led response to the virus, which consisted of 70 volunteer-run Community Action Networks (CANs) to support the needy. One way his CAN in Muizenberg assisted people was through distribution of donation-funded food boxes to families. Find out more at www.muizenbergcan.org.

'13 This year, Kumar Thurimella (ApMath) was awarded the prestigious Gates Cambridge Scholarship, which is presented to students with outstanding leadership and academic skills who wish to pursue a post-graduate degree from the University of Cambridge. The scholarship is worth \$250,000, and will help Kumar obtain a PhD in biotechnology. After graduating from CU, Kumar went West, becoming a software engineer for Uber. His desire to practice medicine pushed him to receive a master's degree from Cambridge in 2018, and he is scheduled to complete medical school at CU Anschutz after his scholarship period.

'14 Zhenghua Yang (Fin) founded Serenity Forge, a value-driven game development company in Boulder. He is a TEDx speaker and was included in Forbes' 30 Under 30 list. A lifelong gamer, Zhenghua was born in China and moved

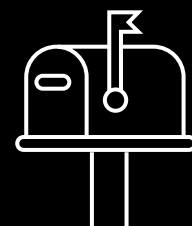
to Boulder when he was 10 years old. At 18, he was diagnosed with a rare blood disorder that kept him hospitalized for two years. Playing video games helped him cope, find support and ultimately make a miraculous recovery.

'16 After her time at CU, Kathleen Ross (Engl) has been dedicated to a career in music. Last August, she was signed as an artist to Warner Music, and then in March was signed as a songwriter to Sony ATV Music Publishing. Her first single, "The Longest Year," was released March 13. Her friend and collaborator **Will Mustin** (Film ex'16), who she met in Libby Hall at CU, directed the song's music video.

'17 Joey Azofeifa (PhDCompSci) was named to this year's Forbes' 30 Under 30 list. He is founder and CEO of Arpeggio Bio. Housed at CU's BioFrontiers Institute, Arpeggio develops important RNA drug-screening processes, providing

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critical data and improving drug success.

Chelsea Heveran (PhDMechEngr) and **Juan Pablo Gevaudan** (PhDArchEngr'19) were selected as one of seven winners of the National Science Foundation's Idea Machine competition. Their idea centers on durable, recyclable structures that could be used on Mars. The competition solicited 800 entries. Chelsea is an associate professor at Montana State, and Juan Pablo recently accepted a position at Penn State's architectural engineering department.

'18 Interior design expert **Kate Chapman** (MBA) was appointed managing director of the new Denver studio of Blitz, an award-winning design firm. She currently serves as president elect for the International Interior Design Association's Rocky Mountain chapter.

'19 The Associated Press interviewed **Catherine Bowman** (PhDSoc) in January for her expertise on the State Department's J-1 visa program, which she studied for her dissertation at CU Boulder. The story is titled "Idaho Tourism Areas Rely on 'Essential' Work-Travel Program." Catherine lives in State College, Pennsylvania. Snowboarder **Cooper Branham** (Mgmt) was filmed at Colorado's Eldora Mountain resort for Warren Miller's 70th feature film, *Timeless*. Cooper has been competing in snowboarding at the national level and hopes to continue a professional career in the sport.

Kelsey Kinzer (MThtr, MBA) never imagined starting her own business — until she developed an idea for sustainable glitter glue. She competed in CU Boulder's New Venture Challenge, a competition for entrepreneurs, with

her company Gaia Glam, where she won the audience choice award.

Holly Mackin (Anth) was hired as the Bentwood Inn's sustainability coordinator in Jackson, Wyoming. The inn is one of National Geographic's "Unique Lodges of the World."

Last year, **Sydney Varma** (Mgmt) of Denver contacted **Helene Tournier** (Mktg'07) — a business development specialist at Stinson LLP — on LinkedIn, asking for help and guidance breaking into the legal field. Her efforts paid off. In March, Sydney joined Stinson as a legal administrative assistant.

'20 Benjamin Sykora (Mgmt) has been invited to the 12th annual One Power Summit in Washington, D.C. Ben will join students from around the country advocating for worldwide access to immunizations. He has been the CU chapter lead of One since his sophomore year.



Beginning in March, classes at CU Boulder went fully remote. Most students returned home.

FIVE QUESTIONS

Focused



Lee Granas (EPOBio, Hist'01) of Oakland, California, is the co-founder of Focused, a San Francisco-based company providing space for people seeking distraction-free work.

What about your experience at Colorado helped you succeed in your career? I was able to TA a lot of classes and learn leadership and teaching skills. I traveled abroad — I spent the fall of 2000 in Israel — and gained a wider perspective on the world.

What is it about life today that creates the need for Focused? Our modern world continually chases our attention. Yet it is often a surprise how fractured our attention is even at our computers. When our clients turn off Slack, messenger apps and email they are often amazed at how much they can get done.

Is your service effective because it puts a person, physically and mentally, in a different place? Many of our clients normally work from home or cafés. They find that coming into our space provides a different type of supported container, allowing them to get more done. Our space is like a refuge from the

modern world and feels like a retreat center in the middle of a city.

Can you share a success story? One woman always wanted to apply to an artist residency program, but she had been putting it off for months. When she came to Focused, the structure and support allowed her to finish and submit the entire application. Other clients use Focused to work on novels or screenplays that they can never make time for during a busy week.

What do you do when you get stuck and just can't get something done? Usually there is an underlying emotion when you are stuck. Perhaps there is fear, or perfectionism, or a deeper reason why the task is challenging. If you can identify that emotion, it can often help you get unblocked. We have found, unexpectedly, that compassion for a hard task is usually more powerful and effective than extra discipline.

INTERVIEW BY TOM KERTSCHER

INmemoriam

1940s

Lawrence S. Burt (MechEngr'40)
Charles F. Dwyer (CivEngr'42)
E. Frances Barnett (CivEngr'43; MS'52)
Betty Ann Christy Hermann (A&S'43)
James W. Barber (PreMed'44; MD'46)
Edison E. Easton (A&S ex'44)
Elizabeth Barbour Halback (A&S'44)
Zinette Spore Moore (A&S'44)
Nancy Nichols Harris (A&S'45)
Elsie Mann Kinkel (HomeEcon'45)
Gale Martin Waddell (Engr ex'45)
William L. Firestone (EIEngr'46)
Rita Waters Hannah (Fren ex'46)
Katherine Miner Hart (Bus'46)
Marleah Kaufman Hobbs (A&S'46)
Margaret Detweiler Jacobson (Mgmt'46)
Stuart C. Jordan (ELEngr'46)
Sam E. McTier (MechEngr'46)
Donald A. Bennallack (PreMed'47; MD'50)
Muriel Wilson McCulloch (Chem ex'47)
Marjorie Stovall Tweedy (A&S ex'47)
Morris G. Zelinger (Acct'47)
John W. Blair (Mktg'48)
Margaurite E. Brower (Nurs'48)
David N. Corbin (EIEngr'48)
Betty Babcock Elliot (IntDes'48)
Cynthia Pels Frazier (A&S'48)
Dwight L. Ghent (Bus'48)
Bernard Gottlieb (Bus'48)
Robert D. Harvey (EIEngr'48)
Alfred E. Hillberry (PE'48; MEdu'52)
Eileen Smith Kemis (Jour'48)
Marilyn J. Radke (Engl'48)
Muriel A. Thompson (Chem'48)
Robert S. Allen (Acct'49)
Edwin C. Bixby (Mgmt'49)
Harold A. Collins (Bus'49)
Arden L. Larson (ArchEngr'49)
Frances Worley McCullough (BusEdu'49)
Ralph F. Peak (ChemEngr'49)
Donald W. Stein (PreMed'49; MD'52)
Marilyn Newell Woodruff (PE'49)

1950s
Elizabeth Gaunt Bell (BusEdu'50)
George M. Fitzmorris (CivEngr'50)
Ralph D. Kitch (Mgmt'50)
Thomas R. Marshall Jr. (Geol'50)
William R. Matheson (A&S'50)
Thomas C. Mehas (Chem'50)
William Mihalo (ChemEngr'50)
Marjorie Mandel O'Neill (Art'50)
Deward R. Niehans (A&S'50)
William B. Purinton (Mktg'50)
Henry J. Wagner Jr. (EIEngr'50)
Wayne F. Allen (PE'51; MD'60)
Anniece Ashieris Bagby (A&S'51)
Gerard A. Blaufarb (Chem'51; Law'55)
Newel B. Cutler (EIEngr'51)
Jack D. Garber (Geol'51)
O. Matthew Jeffery (Mgmt'51)
Carl L. Lathrop (A&S'51; Law'53)
John B. Lawson (A&S ex'51)

Jan Koopman Leyse (HomeEcon'51)
Margaret Staats Lorens (HomeEcon'51)
Wilson C. Moulton (Pharm'51)
Walter J. Paquette (CivEngr'51)
Barbara McCulloch Parry (Bus'51)
John D. Reece (ArchEngr'51)
Margaret Weiler Smith (Edu'51)
Vernon H. Smith (Engl'51; MEdu'55; Phd'66)
David M. Raduziner (Bus, EIEngr'51)
James J. Vavra (Chem'51)
Sandra Shenefeld Wells (A&S'51)
Paul F. Albrecht (Acct, EIEngr'52)
Richard A. Heitman (PreMed'52)
Norman C. Gittinger (EIEngr'52)
Douglas M. Jardine (MechEngr'52)
Fredrick F. Johnson Jr. (MPE'52)
Mary Carol Thompson Piserchio (A&S'52)
Arthur E. Ravicz (ChemEngr'52)
Gerald R. Riley (MEdu'52)
James A. Tilker (Mgmt'52)
Elizabeth L. Mossman Walters (Art'52)
Suzanne O'Kelly West (Art'52)
William C. Bentley Jr. (EngrPhys'53)
Yolanda Gallegos (Nurs'53)
Martha Fairless Kelsey (A&S'53)
Elisabeth W. McConnell (Mgmt'53)
Robert R. Zick (Psych'53)
George J. Argeris (IntIAf'54)
James H. Armitage (MEdu'54; Phd'67)
Robert S. Felt (A&S'54)
Vernon I. Hill Jr. (Geol'54)
Elizabeth Tapley Hoyt (PolSci'54)
Virginia Ogg Magada (MFA'54)
Robert B. Peacock (Bus, EngrPhys'54)
Ruth Riechers Quintrall (A&S'54)
Dee Ann Jessup Stein (Edu'54)
Joan B. Stough (Bio'54; MGeol'57)
Lloyd A. Troeltzsch (ChemEngr'54)
Milton T. Williams (ConEdu'54)
Marvin E. Wolf (Law'54)
Naomi Hasui Yamane (A&S'54)
Ronald M. Clarke (MechEngr'55)
Milford O. Holt (PhDEdu'55)
John A. Orland (MechEngr'55)
James W. Richards (Geol'55)
Beverly J. Weichel (Acct'55; MEdu'61)
Sandra Trask Wyman (Engl'55)
Nancy Inge Baker (Nurs'56)
Larry G. Carter (Fin'56)
Robert C. Erwin (Fin'56)
Bruce N. Jackson (Mgmt'56)
Roger H. Murray (Pharm'56)
Richard W. Resseguie (Fin'56)
Judy Rohrer Thielscher (Nurs'56)
Lawrence J. Thielen (MA&S ex'56)
Wilbur J. Anson (Bus'57, EngrPhys'57; MAacct'80)
Perry A. Argabright (PhDChem'57)
Walter D. Buchly (EngrPhys'57)
Ruth Heck Carley (DistSt'57)
Theodore J. Comi (Mgmt'57)
Martha Green Harbison (Mus'57)
H. Reed Harris (Bus'57)
Donald E. Kough (Bio'57)
Israel B. Markowitz (Mgmt, MS'57; PhDEdu'76)

Anna Jo Linden Murrow (A&S'57)
James E. Noonan Jr. (A&S'57; HonDocMD'04)
Edwin E. Piper (Law'57)
William G. Riddoch (Bus'57)
Robert O. Rowlette (MEngl'57)
Patricia A. Weis (MPE'57)
Robert C. Burroughs (ConEdu'58; Law'61)
Frank S. Cenkovich (MD'58; MA&S'62)
Duane P. Chesley (MechEngr'58)
Jerolyn Kater Frame (MusEdu'58)
Marcia Irwin Gautsche (A&S'58)
Donald B. Gentry (Acct'58; Law'62)
Billie Harold Heil (MMusEdu'58)
Allan J. Hessel (CivEngr'58)
Mary Hance Quaid (Art'58)
Robert G. Schwartz Jr. (Engl'58)
Jerry E. Shellabarger (A&S ex'58)
Billy E. Thorne (MedTech'58)
Gay L. Weir (MusEdu'58)
Anna Ottney Cain (MNurs'59)
Roger W. Dobson (MAacct'59)
Dave C. Grometer (EIEngr'59)
John M. Harman (A&S'59)
Helen M. Mohorich (A&S'59)
Gary M. Speckmann (Acct'59)
John A. Velleco (Acct'59)

1960s

Marco J. De Marco (Geol'60)
Roger J. Easton (MFA'60)
Sandra Abernethy Gustafson (Edu'60)
Barbara Sutton Malmquist (Hist, PolSci'60)
Robert H. McIntire (MMgmt'60)
Melodie C. Sackett (Nurs'60)
Charles D. Wasson (Geol'60)
Charles G. Wathen (EIEngr'60)
Herb P. Wright (AeroEngr'60)
Donald F. Allen (Hist'61)
S.J. Archuleta (ArchEngr'61; HonDocEngr'10)
Harriett Monier Bloom (HomeEcon'61)
David W. Bolton (MusEdu'61; MA'63)
Alan F. Cain (A&S'61)
Roland E. Camfield Jr. (Law'61)
Charles P. Campbell (Engl'61; MA'64)
Mary Holloway Combs (PolSci'61)
David P. Cran (A&S'61)
Jaci Bruce Cran (A&S'61)
George L. Higgins Jr. (MEdu'61)
Carol Berney Kemper (A&S'61)
Susan W. Smith Leonard (A&S ex'61)
Kenneth E. Meton (EIEngr'61)
Marilyn H. Rippey (Soc'61)
William T. Watson (Acct'61)
Philip S. Abel (AeroEngr, Stat'62)
Kathrine Madsen Clark (Hist'62; MA'63)
Frances C. Dalme (MA&S'62; PhDEdu'71)
Leonard L. Diggs (MusEdu'62; MA'63)
Barbara A. Finney (MZool'62; Phd'66)
Michael T. Glassco (Mgmt'62)
Peter L. Kierland (A&S'62)
David R. Parker (Edu'62)
Harry L. VanBoven (ChemEngr'62)
David O. Webster (EIEngr'62)

David R. Beck (MMechEngr'63)
Glen F. Dille (Span'63; MA'69)
Eugene E. Dyer (Mgmt'63)
Marion Toan Jones (Art'63)
Darrel L. May (Soc'63)
Kellis W. McDonald Jr. (PhDBio'63)
Edward C. Murray (MChem'63; Phd'69)
Robert E. Narum (Math'63; MA'66)
Donald E. Sorrels (Bus, MechEngr'63)
Terry K. Woodward (PE'63)
Robert J. Yowell (MMgmt'63)
Charles D. Brown (Pharm'64)
Charles L. Clark (Mgmt'64)
Joanne Vetter Clough (Art'64)
Marshall K. Corbett (PhDGeol'64)
Barbara Tunley Crenshaw (MNurs'64)
Joe R. Donathan (AeroEngr'64)
Richard D. Meininger (EIEngr'64)
Royal F. Wertz Jr. (Bio'64)
Robert J. Augenstein (EIEngr'65)
George N. Braucht (Psych'65; MA'68; Phd'69)
Gene A. Burrell (CivEngr'65; MS'75)
Gordon G. Eriksen (MA'65; PhDEngl'73)
Steve W. Farber (A&S'65; Law'68)
George E. Green (PhDA&S'65)
Susan Bliss Moeller (Edu'65)
Starling Goodyear Pullum (Soc'65)
William J. Sholdt (MedTech'65)
Sam S. Sloven (Acct'65)
Maybelle V. France (Nurs'66)
Harold N. Hampton (MMgmt'66)
Frank J. Harshman (A&S'66)
Nancy F. Lanza (Edu'66)
Danilo B. Medigovich (MMgmt'66)
James B.F. Oliphant (Law'66)
James H. Tinsman Jr. (MANth'66; Phd'71)
John W. Townsend (EIEngr'66)
Duane C. Webb (MA&S'66)
Frederick D. Wilson Jr. (Engl'66)
Lucy Austin Hallowell (A&S ex'67)
Sally Searcy Henrikson (Fren'67)
Robert K. Leatherwood (Acct'67)
Kathy Piehl Martin (Edu'67)
Nancy Newman Roeder (Psych'67)
Sue Midkiff Wilkinson (Math'67)
Joseph N. Wittgen (MMgmt'67)
John T. Edwards (MFA'68; MJour'75)
Anne Skiffington Foster (MEdu'68)
Joseph W. Haygood (MMusEdu'68)
Wade H. Mullins Jr. (Mktg'68)
Beverly Page (Edu'68)
Darryl L. Pearson (MechEngr'68)
Michael R. Skinner (Soc ex'68)
John R. Waggoner (IntIAf'68; Law'74)
Ralph J. Wallace (Hist'68)
James L. Witte (Hist'68)
Lucinda McDermid Avram (Zool'69)
Sandy Keller Blue (Engl'69)
Mark P. Hadley (AeroEngr'69)
Chi Sheng Liao (MChem'69)
Thelma Sharp Miller (MEdu'69)
Henry Palma (MPubAd'69)
Joe L. Palmer (PhDSpan'69)
Stewart J. Rourke (Soc'69)

1970s
Dorothy Bacon Candea (Edu'70; MEdu'76)
Nancy Anderson Carr (Edu'70)
Edward S. Foley (Jpn'70)

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Kenneth D. Harrison (MA&S'70)
Mary Ann Mahoney (MPE'70)
John F. Meehan (MHist, MPolSci'70)
Robert H. Shiley (MURban'70; Phd'73)
Thomas F. Blaylock (EIEngr'71)
Rosemary M. Callahan (Edu'71)
Donald D. Cover (Geog'71; MA'73)
Mary K. Ginnelly (Engl'71)
Renne B. Horowitz (MEngl'71; Phd'74)
Loyal E. Leavenworth II (DistSt'71)
Lester Lee Arasmith (MEcon'72; Phd'76)
Gabriel J. Magtutu (Rec'72)
Gregory C. Dunkle (Psych'73)
Theodore A. Easton (PhDEdu'73)
Michael J. Hicks (Arch'73)
Samuel P. Kelley Jr. (MTeleComm'73; MMath'07)
William H. McEwan (Law'73)
Victor R. Palmer (Law'73)
George T. Rogers (MHist'73; Phd'76)
Charles W. Truenski Jr. (Engl'73)
Billy P. Baker (Bus'74; MBA'75)
Scott S. Cramer (PolSci'74)
Kyle B. Gadda (A&S ex'74)
Harry Gilligan Jr. (Comm'74)
Marvin W. Goldman (EPOBio'74; MAacct'01)
Joseph M. Rezits (DMus'74)
Roger S. Young (MEdu'74)
Robert C. Abelman (Law'75)
Katherine J. Artus (Art'75)
Kristyna P.T. Demaree (PhDSpan'75)
Margaretta S. Handke (MHist'75; Phd'86)
William L. Kerrigan (Edu'75)
Jean Marie Schab (MPsych'75; Phd'79)
Joseph E. Tatarka (Mktg'75)
Frank R. Terlip (Acct'75)
Harold G. Williamson (MEdu'75)
Tony D. Gentling (Econ'76; MBA'81)
Cecil Glenn (EdD'76)
Carol J. Hochsprung (MEdu'76)
Bernice C. McKibben (PhDEdu'76)
Nina J. McKittrick (Acct'76)
Michael E. Schwab (EIEngrCompSci'76)
Elena Aragon de McKissack (Span'77; MEdu'81; Phd'98)
James C. Dozier (Econ'77)
Terry D. Rusher (Edu'77)
David A. Akers (CivEngr'78)
Katharine S. Berenson (Mus'78)
Vonna Edgins Ciaranello (Geog'78)
James E. Davies (Psych'78)
Lindsay Rinehart Jones (Anth, EnvDes'78)
Gerald L. Dare (BusEdu'79)
Jeppie N. Eskilsson (CivEngr'79)
Anne K. Frazier (Span'79)
Christine L. Preble (Comm'79)
John F. Wagner (Fin'79)

Michelle M. Keller (MClass'81)
Todd M. Kelly (Class'81)
Randal W. Steger (ChemEngr'81)
Robert C. Allen (Pharm'82)
Sondra L. Harshman-Boccard (MEdu'83)
Mark W. Hindman (EIEngr'83; MBA'92)
Shannon M. Maher (MGeol'83)
Larry H. Rose (Geol'83; MEcon'84)
Miriam Binning Hendrickson (MEdu'84)
Frederick W. Hess (MMus'84; Phd'91)
Robert L. Martin Jr. (MMus'84; MEdu'86)
Diana Hardwick McNeal (Comm'84)
Kathy A. Rinehart (MMus'84)
Michelle Posnock Sion (Mktg'85)
Charles Fitzsimmons (Psych'86)
Stephen W. Piche (EIEngr'86)
Francis Silliman III (MechEngr'86)
Andrea Wulfig (PE'86)
Stephen M. Geller (EPOBio'87)
Howell B. Medley (EurSt'87)
Jennifer Dunbar Heth (Advert'89)

1990s

Alex Christianian (PolSci'91)
Chad A. Fox (AeroEngr'91; MS'93; Phd'97; MBA'10)
Cay H. Enns (MCDBio'91)
Carl M. Moseley (Art'91)
Michael J. Engelby (Engl'92)
Valerie K. Arnold (Engl'93; MEdu'97; Law'00)
Peter Hartwick (MEIEngr'93)
Santiago M. Gonzales Jr. (MCompSci'93; MAacct'05)
Kathleen E. Turner (MCompSci'93)
Patrick N. Wells (Psych'95)
Keith A. Mishler (Phil'96)
Peter J. Peterson (Soc'96)
Judy Drews Marek (MTeleCom'98)
Lisa A. Smith (MLing'98)
Sarah C. Hughes (Soc'99)

2000s

Brent M. Huppert (Econ'00)
Marrs M. Bowman (IntIAf'01)
Michael H. Benton (Fin'02)
Jamie L. Petersen (MMusSt'02)
Shane C. McCallan (Acct, Phil'06)
Kristin D. Foss (Psych'07)
Brian N. Rasmussen (Arch, EnvDes'08)

2010s

Sarah E. Harris (EPOBio'10)
Kyle A. Smith (Math'10; MCompSci'12)
Dana B. Greene (MCDBio, Psych'12)
Tyler N. Townsend (IntPhys'12)
Luke K. Medla (Psych'15)

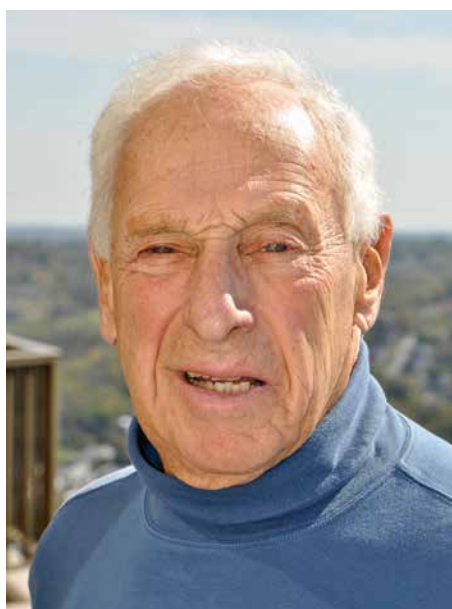
2020s

Charles J. Blum (Fin ex'23)

Faculty, Staff and Friends

Elizabeth "Betty" Bangs, Instructor
David Rush, Finance Professor
Mark Saarinen, Faculty

FEEDback



At CU, Tom Guggenheim wanted to add to philanthropist Simon Guggenheim's legacy.

The Guggenheim Family

IN MAY OF 1946, I APPLIED TO CU AS A FRESHMAN. THAT WAS JUST WHEN THOUSANDS OF SERVICE PEOPLE WERE APPLYING TO COLLEGE UNDER THE GI BILL. ...

... Having been turned down at CU, my dad called up the dean of admissions to beg re-consideration. The dean asked, "Are you possibly related to Simon Guggenheim?"

Father, in his expansive manner, stated that both families emigrated from Europe in the 1840s, and were undoubtedly "questionable cousins." With that one conversation I was admitted for the summer semester and could stay on. ... If I did not flunk out.

Once on campus, I became quickly aware

of Guggenheim Hall. I thought it would be a nice thing if this new Midwestern Guggenheim could add to Simon's name and legacy. (Plus four children and one granddaughter would be added to the CU graduation mix.)

And thus, in 2017, our family endowed the Thomas Stix Guggenheim Chair at the CU School of Business: Design and innovation, with case studies on business failures.

Small world, eh?

Tom Guggenheim
(Mktg'50)
Cincinnati, Ohio

More on the Pipe Organ

David Weesner's (Arch'72) letter, "The Theater Pipe Organ" [Winter 2020], prompted a flood of memories about my unique experiences at the piano during a silent movie series in 1970–71, arranged by a student organization at the UMC. Reflecting the "nostalgia" craze of the early '70s, the organization wanted live music for the screenings instead of the "music track" included on the film. As there was no pipe organ in the UMC, I played live piano, mainly improvisation, along with the movie. Unforgettable is the showing of the classic *Nosferatu* (*Dracula*), for which I borrowed a black cape from the drama/theater department at CU to wear. There was an audible gasp from the audience when I entered from the stage door and took my seat at the piano. There was a Russian silent and several Charlie Chapman delights, including *Gold Rush*, among others. As a doctoral student in piano, I was not expecting such an engagement, but the honorarium was most welcome in my academic pursuits.

Francis Frazier
(DMus'77)
Athens, Georgia

Pet Euthanasia

I was appalled upon reading the Winter 2020 *Coloradan's* "The Hardest Day." It features Ross Taylor, CU Boulder assistant professor of journalism, who photographed and posted images of

dog custodians (whom I do not consider to be "owners") upon the euthanization of their beloved pets. Taylor claims that his motives are sound and hopes that those people are comforted and not feel alone.

I don't share that view. Instead, I see it merely as sensational journalism. I fully understand the purpose of having pets euthanized at home. Several years ago, I had a very sick family dog euthanized at home. I believe that this event needs to be private with grief shared among the human relatives of the dog. If individuals take comfort from viewing a series of photographs taken when their pet was experiencing its last breath, then I believe that those images would most appropriately be maintained by that individual. To post them on the Internet or make a documentary does not seem to advance the cause of in-home euthanization.

If providing comfort is the main issue, then I think that there are other avenues for pet custodians. For example, there is one hospice organization that is addressing loneliness associated with pet grief by providing regular sessions for persons who have terminally ill pets or pets who have recently died into their support groups. This is a private, positive approach for those individuals to share

their innermost feelings of loss with others who have experienced the same. The results are fulfilling and personal. I think that this would be a better "teaching moment" for journalists to promote healing rather than having an "emotional splash" which could possibly result in receiving a Pulitzer Prize for feature photography.

Bill Mowczko (Bio, Edu'65)
Yuma, Arizona

The Joy of Writing

The article about fanfiction in the winter issue of the *Coloradan* brought back memories of an upper-level creative writing class I took during the 1962–63 school year. Even though I had little writing experience, I had been accepted into the class after submitting a story I had written to the instructors. The class was taught by the husband/wife team of Mr. and Mrs. Alex Warner, and we met for three hours Wednesday evenings at Hellems. I was very surprised the first evening of class to learn that there were only three students present who had been accepted. They were



Our fanfiction story sparked CU writing memories for Gerald Miller.

Hill Eats

In the Winter 2020 LOOK article, we asked you to name your favorite meal on The Hill. Burgers from The Sink dominated the list. Here are a few of your other responses:

"A big go-to then was Espresso Roma!"

Holly Austin Seeberger
(IntAf'95)
Grand Junction, Colorado



"It was the Southern Sandwich at Taylor's. Simple grilled chicken on sourdough bread topped with provolone, sliced avocado and buffalo wing sauce. Still the greatest culinary invention of all time!"

Justin K. Biggs
(Fin'97; MBA'03)
Castle Rock, Colorado

"Peanut butter cinnamon rolls for breakfast at Owens on the corner of 13th and College."



Frank Colburn
(MechEngr'57)
Lee's Summit, Missouri

"My Hill go-tos were Bova's, Round the Corner, The Sink and Giuseppe's!"

Patty Dicks (Jour'73)
Denver

"Always gotta go with La Choza for authentic street tacos."

David Swalm
(Acct, Fin'20)
Castle Pines, Colorado



Coloradan

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Social Buffs



“Feeling nostalgic and thinking of Colorado’s awesome spring. ...”
[@ktcartee](#)



“Scenic #cuboulder.”
[@jzmine.striegel](#)



“Buffs be reading during quarantine like...”
[@jillmonds](#)

“We gave ‘sock dances,’ tea dances and had a softball team,” writes Ruth Duffy Hirsch, who lived in a fraternity house during her time at CU Boulder.

Spring of 1946

These photos [above] were from Spring 1946!

The women’s dorms were still occupied by sailors who were studying Chinese and Russian. Freshman and sophomore women were housed in the nearly empty frat houses.

This photo is the group at the ΦKT house. The former house mother, Mrs. Rose, remained. We gave “sock” dances, tea dances and had a softball team!

I keep in touch with only my roommate, Shirley Young Brennar (A&S'49) — I am far left, front row.

Ruth Duffy Hirsch
(A&S'49)
Jackson, Wyoming

Letters edited for length and clarity.



Hannah (Ann) Steuart (A&S'65) of New Jersey, **Fred Smith** (A&S'63) of Los Angeles and myself, from Pueblo, Colorado. Each week we were required to submit a short story which we would read to the class, then discuss. Although our backgrounds were very different, we three students became friends. We were somewhat dismayed during the spring semester when four more students joined us, disturbing our rapport.

This past Christmas, I gifted my two children and six grandchildren with a book I had printed just for them. The first part was my abbreviated autobiography. The second part consisted of 10 short stories I had written over the years, simply for the joy of writing. That joy was nurtured in that Hellem's classroom all those years ago.

Gerald Miller
(Mgmt'63)
Pueblo, Colorado

“ALTHOUGH OUR BACKGROUNDS WERE VERY DIFFERENT, WE THREE STUDENTS BECAME FRIENDS.”



THEN

JULY 1944

Beginning in 1942, the military accepted a group of women for the Navy at the same rank and pay as men. Throughout WWII, more than 100,000 WAVES — Women Accepted for Volunteer Emergency Service — took positions at 900 stations in the U.S., freeing men to participate in overseas combat. They were key to the war effort, taking jobs training pilots and gunmen, decoding messages, fixing planes and more.

Kathleen M. Ryan, CU Boulder journalism associate professor and documentary filmmaker, has collected 52 oral histories from former WAVES to share their stories publicly.

“When you see stories about World War II, the stories that are told are normally those of men who saw military action,” said Ryan, whose mother was a WAVE. “Equally important are the people behind the scenes who helped the United States and its allies win the war.”

In commemoration of the 75th anniversary of WWII’s end, the histories are available at homefromtheroines.com.