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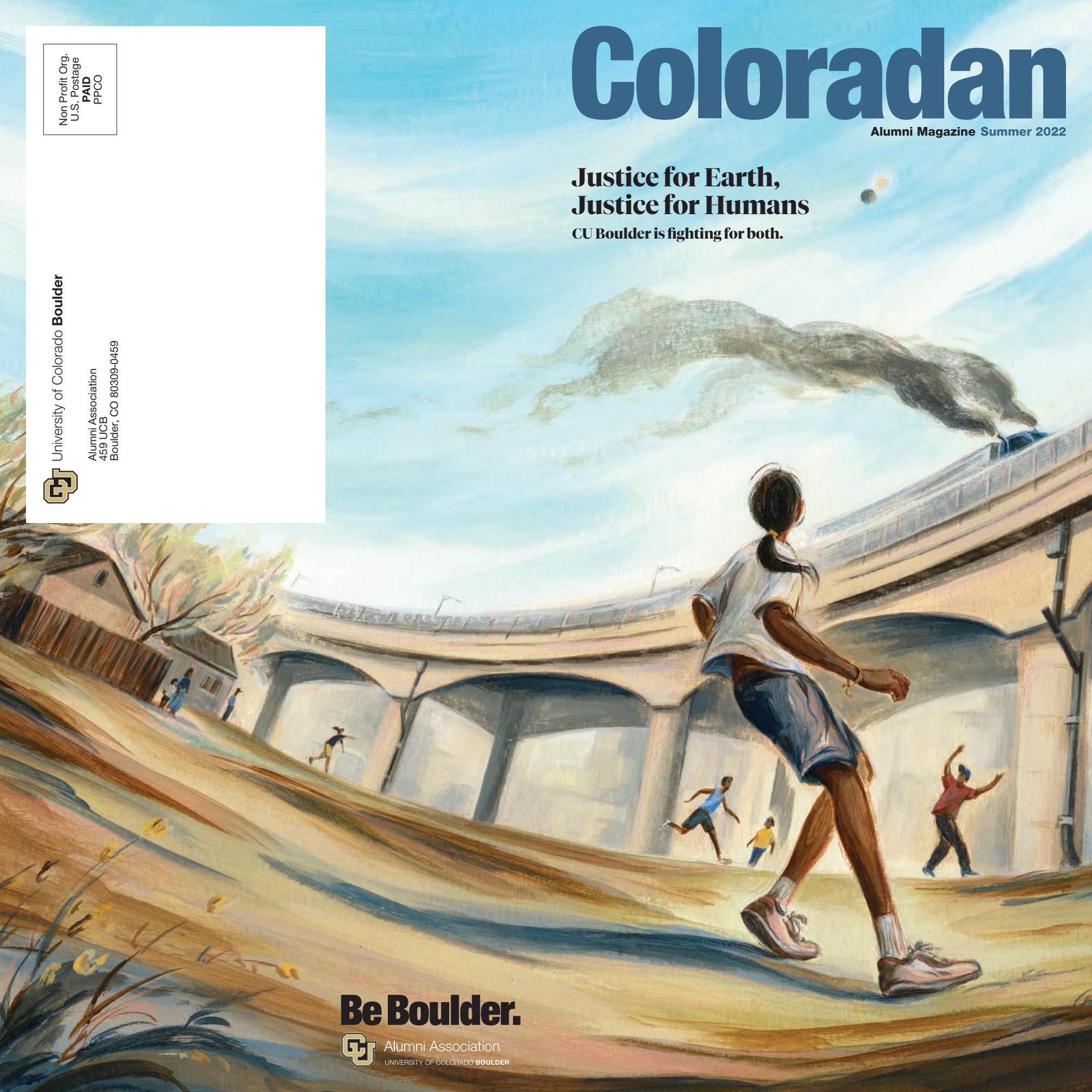
Alumni Association  
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# Coloradan

Alumni Magazine Summer 2022

## Justice for Earth, Justice for Humans

CU Boulder is fighting for both.



**Be Boulder.**



Alumni Association  
UNIVERSITY OF COLORADO BOULDER

# NOW

MAY 5, 2022

CU Boulder was more than ready to host thousands of graduates at the first in-person commencement ceremony since 2019 — and Colorado's signature bluebird sky showed up too.

More than 9,000 degrees were conferred in the Thursday-morning ceremony.

**Tom Costello** (Jour'87), NBC News' Washington correspondent, delivered the commencement address.

"Never forget this moment, this place," he said. "The place that launched you. ... I never have!"





**COVER** Climate change is affecting the daily lives of populations globally. **Illustration by Sally Deng.**

**ABOVE** More than 50 years after graduating from CU, **Frank Webb** (PolSci'68) participated in the university's commencement ceremony. Webb was unable to attend his original ceremony as he was drafted to serve in the Vietnam War. Photo by Casey A. Cass.

## 17 Right Here, Right Now

Seven stories examine the ways CU students, faculty and alumni are exploring the impacts of climate change on human life and human rights.

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**Kevin Martin** (MechEngr'16) hopes to transform the waste-heavy manufacturing process of the fashion industry, starting with made-to-order pants.

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Americans are avoiding marriage and embracing the single life more than ever — CU's Peter McGraw wants to find out why.

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CU Engage's Public Achievement program inspires middle and high school students to tackle social issues and give back to their communities.

## 35 Boulder Is the Happiest Place ... for Some

Filmmakers **Katrina Miller** (Jour'07), **Beret Strong** (Engl'83) and **John Tweedy** (Engl'82) created a new documentary that's inspiring important conversations about race and inclusion.

## 37 Virus Hunter

Dozens of viruses have jumped from animals to humans, often with deadly consequences. Sara Sawyer wants to know which one is next.

## EDITOR'S NOTE

In December 2022, CU Boulder is hosting the Right Here, Right Now Global Climate Summit in partnership with U.N. Human Rights. The summit is bringing together experts, youth activists, global leaders and citizens — like you — to discuss the impacts climate change has on human rights. In this issue, we're highlighting CU research that examines some of these impacts, which hit vulnerable communities and populations more directly. After reading these stories, I hope you'll join us online at the summit.

We've also included stories to delight and inspire: from goat yoga at the CU Rec Center to Buffs leading as local politicians and CU's first Pro Football Hall of Famer. And, after two years of remote and hybrid operations, campus was bursting with life for the 2022 commencement, which celebrated over 9,000 Forever Buffs from the classes of '22, '21, '20 — and even '68!

CU Boulder is rich with stories to celebrate; we're honored to print these — and welcome your ideas for more.

*Maria Kuntz*

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CU Boulder professor Reiland Rabaka is founding director of the Center for African & African American studies, which opens in Macky Auditorium beginning Fall 2022.

**And musically?** Billie Holiday. I love Lady Day. She sings some of the most beautiful, poignant, melancholic love songs you will ever hear. But at the same time, she sang “Strange Fruit,” an anti-lynching song released in 1939. Black people can say things in song that we can’t say in any other way. It seems like we can express ourselves more fully in our art, especially our music. That is one of the reasons a lot of my teaching and research revolves around Black popular music.

**What brought you to CU Boulder?** I’m an ambassador for African American studies. There are suburban and rural youth at CU Boulder who never had the opportunity to take African American studies classes. This is the first chance for many of them. From the very beginning of my time at CU I felt a special kinship with my students. We are part of the first generation of American citizens to come of age in a desegregated and awkwardly integrated American society.

Also, CU has a long tradition of really high-profile African American studies scholars. For instance, my faculty line was once occupied by Manning Marable, who received a Pulitzer Prize for his biography of Malcolm X. Then Joy James, who is an endowed chair and incredible, brilliant, phenomenal Black feminist philosopher. This position has been seen as a high-profile post where people can do serious work and make important contributions. And, you know, Boulder is kind of freaky and geeky. And I have a bit of a Bohemian mindset. I feel at home here.

**What was it like building the CAAAS directly with students?**

One of the high points of my intellectual and activist life was to teach the Black Lives Matter Movement seminar, and for my students to immediately apply what they’re learning in class to CU. Students used direct action and political pressure techniques. Their petition for the CAAAS got 1,500 signatures — and there’s only 800 Black students at CU Boulder. So, obviously, we have a lot of allies. It also inspired us to know that the CAAAS would be a space primarily for Black folk, but also for our anti-racist allies, because they, too, want to know about African and African American history and culture.

**What about CAAAS makes you most excited?** We have three program areas — a

research program, an arts program and a student services program. That’s what makes the CAAAS unique: It’s like a one-stop shop for everything that has to do with Blackness, Black folk and Black culture on campus.

It is a warm and welcoming communal space. I’m trying to create an African village vibe on the Boulder campus. I wanna bring some *Africanité* — some of the history, culture and art of continental and diasporan Africa — to Macky Auditorium, CU Boulder and beyond.

**What is a course you look forward to teaching every time?**

There has been something truly special about teaching the Black Lives

first time I read Langston Hughes, his poetry was so alive and beautiful. I love Audre Lorde, one of my favorite poets of all time. I’m a musicologist, so I spend a lot of time listening to music. I read novels. I love literature — I read about three to four books a week. Lastly, I’m a long-distance hiker. I live about 15 minutes from Rocky Mountain National Park, and I’m out there probably four or five times a week.

**Is there anything else you would like us to know?**

The CAAAS wouldn’t have happened without incredible student co-founders Ruth Woldemichael (EthnSt, IntlAf’22), Karia White (EthnSt, IntlAf’22), Audrea Fryar (PolSci’21)

## Committed to a Cause

**Reiland Rabaka**, professor of African, African American and Caribbean Studies in the Department of Ethnic Studies, is the founder and director of CU Boulder’s Center for African & African American Studies (CAAAS, pronounced “cause”). Rabaka has published 17 books, including his recent work, *Du Bois: A Critical Introduction*. Here he discusses the CAAAS, his students and the importance of a movement.

**Who have had the largest impacts on your career?**

I was raised by my grandmother and my mother. I would not be who I am physically, intellectually, spiritually or culturally without them. My mother, an ordained Baptist minister, instilled the value of education in me.

Secondly, if you want me to geek out for you — W.E.B. Du Bois. Du Bois gave me a model for the kind of intellec-

tual, artistic and activist life I could live. Du Bois was the first African American to graduate with a PhD from Harvard University in 1895. He inaugurated sociology in the United States. Alongside his social scientific work, he wrote five novels, nine volumes of poetry, three dozen short stories and two dozen plays. He was a social scientist, an artist and an activist.

**I’M TRYING TO BUILD A BIG MULTIRACIAL, MULTICULTURAL FAMILY HERE IN BOULDER.**

Matter Movement class. Teaching the class, I realized many of my white students don’t have a space to evolve their anti-racism and explore what it means to be an authentic ally. In fact, they do not have opportunities and spaces to have serious and sensitive conversations about what that means — what it means to be an authentic anti-racist ally. The CAAAS is also a safe space for allies.

**What do you do outside of work?** I’m a poet. I remember the

and Isaiah Chavous (PolSci’21). There’s a Kenyan proverb that says: if you see me standing tall, it’s because I stand on the shoulders of my ancestors and my family members. So, even though we are not biologically related, we’re family. I’m trying to build a big multiracial and multicultural family here in Boulder. That’s what the CAAAS is about. It’s about nothing else, it’s about creating a sense of belonging and building community. INTERVIEW BY CHRISTIE SOUNART (JOUR’12).

## What Wordle Can Teach Us

CU assistant professor explains the value of computational linguistics.

**E**ach day, a surprisingly simple game awaits: Guess a randomly generated five-letter word in six attempts. But what the Wordle phenomenon can teach us is actually quite complex.

Since its public debut in October 2021 and subsequent purchase by The New York Times Company, the online word puzzle created by Josh Wardle has taken the world by storm and looks like it's here to stay.

Alexis Palmer, assistant professor of linguistics at CU Boulder, is a self-described word-game aficionado. She is also a computational linguist, a subfield of artificial intelligence that sits at the intersection of linguistics and computer science.

“Wordle appeals to our intuitive knowledge of what words can look like in English,” said Palmer. “Not only what words are in our vocabulary, but what words are possible.”

This is a lot of what linguistics is, she said: trying to codify those rules and figure out what our knowledge of a language is, as a native or fluent speaker.

When Palmer started in this field two decades ago, it was an important frontier. Now it has become part of our daily lives, as computational linguists create and improve systems like spell check, predictive text, Siri, Alexa and Google Translate.

Computational linguistics can even support the documentation and revitalization of endangered languages, something Palmer

works on herself.

But what gives Wordle its mass appeal is that it doesn't matter what you know — it's using what you don't know you know. And her strategy to win in as few tries as possible is to start with a word full of vowels, or the most common letters in the English language: R, S, T, L, N and E.

“Of course, from a computational perspective, you could also just write an algorithm to solve Wordle puzzles, but where's the fun in that?” **BY KELSEY SIMPKINS (MJOUR'18)**

Computational linguistics are part of our daily lives.



## A Tribute to Boulder Creek



Boulder Creek, which runs along the campus edge, has plenty of secrets to share.

From its braided headwaters high above Nederland in Indian Peaks Wilderness to the rolling farmlands where it flows into the South Platte River, Boulder Creek is a stream of many personalities. It's also one that gets overlooked by many Boulder locals and visitors simply because it is so close to home. But for fly-anglers, it represents a true gem that can feel hidden in plain sight.

This will be my seventh year working as a guide for Rocky Mountain Anglers, a fly-fishing shop that's just minutes away from The Hill and Pearl Street. In that time, fishing — “the pursuit of what is elusive but attainable,” as the novelist John Buchan once wrote — introduced me to clients ranging from prominent doctors and professional snowboarders to foreign families traveling abroad and Midwesterners on vacation.

And it's hard to blame them given the challenges our creek faces today — mainly in the form of urban waste and water-quality issues. Though great stream improvement efforts have been made by Boulder Flycasters, the local Trout Unlimited conservation chapter, it remains a constant battle

I've guided many of them in Boulder Canyon, where the flatter pools of downtown melt away and car-sized boulders, towering granite walls and stands of ponderosa pines dominate. The reaction I get after telling someone there are hundreds of trout per mile in “the Creek” tends to be one of mild surprise. Then I try telling them that they can fly-fish for wild trout from the concrete sidewalk at Eben G. Fine Park, and the look on their face often turns to utter disbelief.

to keep Boulder Creek clean, fishable and safe for recreation. In the face of it all, despite flowing through such a densely populated area, the creek continues to harbor plenty of the brown and rainbow trout that local anglers pursue.

Those of us who love this stream tend to enjoy it in all its forms — from the gin-clear waters of the high country to the marshy parts of east Boulder. There's something mysterious, and sort of improbable, about catching a beautifully patterned wild trout right next to an equally colorful graffiti tag at Scott Carpenter Park. Boulder Creek may not be Montana's Blackfoot River, enshrined in the sport's popular archetype of *A River Runs Through It*, but it has a wealth of secrets to share. Best of all: It's right in our own backyard. **BY DUNCAN MCHENRY**



**Taylor Stratton** (EBio, EnvSt, Geog'13) is program manager for the Ralphie Live Mascot Program. In her role, she tends to Ralphie V and Ralphie VI and coaches the Ralphie Handlers, student athletes who help care for the buffaloes and run with Ralphie VI during events. She also manages Ralphie's transportation and social media — basically, she said, “any and all things Ralphie related!”

◀ **Model:** iPhone XR with a black otterbox and screen protector

**APPS**

Most-used apps

Twitter



Perry Weather



Outlook



Most-used emoji



## All Things Ralphie

**How soon after waking up do you look at your phone?** Pretty immediately to see if anything came in when I was sleeping.

**Last person you called?** Ryan Newman, CU's director of athletic grounds. He and his team keep all of the grass beautiful, and I work with him to schedule practice times with Ralphie.

**Duration of longest call last week?** One minute – I left a message for the man we buy hay for Ralphie from.

**The main thing you use your phone for?** I use my work phone for content creation, social media management, monitoring the weather, answering emails and talking to anybody for Ralphie-related things. My personal phone's primary use

is playing music. Ralphie VI is very familiar with the Turnpike Troubadours.

**Location/situation of last selfie?** With Ralphie VI! She was being extra sweet and I caught her right as she was licking my face.

**Lock screen or background image?** Baby Ralphie VI is the lock screen of my work phone.

**How many hours were you on your phone last week?** More than I should have been!

**Oldest photo on your phone?** The oldest photo on my personal phone is a picture of me, my horse and my grandparents when I was riding at the National Western Stock Show in 2008.

# The Music of Pueblo

CU's American Music Research Center is studying Pueblo's abundant musical histories.

**X**óchitl Chávez (LatinAmer, SpanLit'02) grew up in Pueblo, Colorado's east side, where she experienced a rich cultural heritage.

“Summertime meant church festivals and street parades,” said Chávez, who was a member of Pueblo's youth marching band programs. “There was always some sort of music being played.”

Working as a young, bilingual radio personality in the city, she learned of the diverse historic music venues that served as hubs where long-term Pueblo residents and migrant workers united. The importance of these hubs has stayed with her as she studies cultural anthropology and ethnomusicology.

Chávez is now the first Chicana tenure-track assistant professor in the music department at the University of California, Riverside. For the past year, she's partnered with CU Boulder on a research project, “Soundscapes of the People,” that blends her work and heritage.



CU's research project, “Soundscapes of the People,” is preserving the musical heritage of Southern Colorado.

In 2019, Chávez met Susan Thomas, director of CU's American Music Research Center, who was seeking a research project to focus on the diversity of Colorado's music histories. Chávez encouraged her to start interviewing musicians in Pueblo.

“I was hooked,” said Thomas. “The thing that has really struck me is how fascinating Pueblo is as a city. It's unlike any place I've ever been.”

Thomas — also the College of Music's associate dean of

diversity, equity and inclusion — secured grants to study and preserve the history of music in Pueblo and surrounding areas, and began interviews in 2021.

By the end of the project, Thomas, Chávez and a team of three graduate students will have spoken to at least 80 musicians and community members for the project, some of whom have played in Pueblo for nearly 70 years.

“Looking at music and sound is a powerful way to consider how Puebloans have built resilient communities and social identities,” said Thomas.

One particular elder, Sam Medina, known for his improvised songs called “versos,” helped coordinate interviews with musicians in their 80s, even at the height of the COVID-19 pandemic.

In April 2022, the team secured a grant from the National Endowment for the Humanities to continue the research through 2025. The interviews, music and stories collected will be publicly available through CU's digital library and CSU Pueblo.

Said Thomas: “The American West has been really understudied. This is an opportunity to change the narrative about how people have made music and why it matters.” **BY CHRISTIE SOUNART (JOUR'12)**

## DIGITS

Sustainability  
at CU Boulder

# 2,900

Tons of recycling  
and compost diverted  
from landfills

# 170

Zero Waste events  
produced on campus

# 5,500

bikes repaired

# 2.7 million

student RTD bus trips

# 600+

hours spent during  
football season  
sorting waste into  
compost and recycling  
after home games

# 86%

of Folsom Field  
waste diverted  
from landfills on  
football game days

Numbers are accurate for  
July 2020-July 2021

## Outdoor Exposure Benefits During Pandemic

Those with exposure to green spaces during 2020 reported lower depression and anxiety levels than those with fewer green spaces in their neighborhoods, according to a CU study published in March 2022. Researchers also found that a third of people spent more time outdoors than they did pre-pandemic. “This research shows how critical it is to keep parks and green spaces open in times of crisis,” said senior author Colleen Reid, geography assistant professor in the Institute for Behavioral Science.

## Robot Stuffies for Storytelling

Ordinary stuffed animals enhanced with human-computer interaction technology can help young children’s storytelling, according to scientist **Layne Hubbard** (Comp-Sci’15;



### Heard Around Campus

**“JUST THE OTHER DAY I SAW A LITTLE KID, PROBABLY IN PRESCHOOL, WALK UP TO THAT DINOSAUR AND HER MOUTH JUST FELL OPEN.”**

— Jaelyn Eberle, CU Museum of Natural History curator of fossil vertebrates, when discussing the final days visitors could visit the Triceratops skull on campus. In May, the fossil moved back to its permanent home at the Smithsonian after more than 40 years at CU.

PhD’21). Hubbard and CU Boulder researchers found that many children aged four to five were comfortable telling a detailed story to a toy animal that asked them questions. Hubbard hopes to eventually partner with toy companies to create more educational products. “There’s no denying that our human-human interactions will always be the most important,” Hubbard told *CU Boulder Today*. “But toys let us do different things. They allow us to get messy with our ideas.”

## Advancing Hypersonic Flight

A five-year, \$7.5 million grant from the Department of Defense will help CU Boulder advance hypersonic flight research. Aerospace engineering professor Iain Boyd — also director of CU’s Center for National Security Initiatives — is leading the effort on campus. The grant will go toward investigating an unknown but disruptive plasma that forms when suborbital vehicles travel at hypersonic speeds.

## ARTIFACT Charm Bracelet

# Charms of Pride

In the mid-1960s, charm bracelets were a woman’s fashion staple. “We all had them,” said astrophysicist **Jo Ann Cram Joselyn** (ApMath’65; MAstro’67; PhD’78), who donated her bracelet to the CU Heritage Center in 1995. “Some people got really fancy with teddy bears and stuff like that. When you went on a trip, you’d buy a charm ... memento things.”

Joselyn’s bracelet told her CU undergraduate story. She lived in the Sewall Hall women’s dorm for all four years. She has charms that signify her experience as runner-up Queen at E-Days [Engineering Days] as well as her engineering and physics honors status. Her favorite charm — a 1965 Tau Beta Pi women’s badge — granted her partial recognition in the engineering honor society. Women weren’t allowed full membership until 1969.

“When I put that bracelet on, I would feel appreciated,” she said.

Joselyn went on to have an extraordinary career. She became CU’s first woman to receive a PhD in astrophysics. She worked as a space scientist and space weather forecaster at the National Oceanic and Atmospheric Administration (NOAA) for more than three decades, and then served as the secretary general for the International Association of Geomagnetism and Aeronomy and the International Union of Geodesy and Geophysics. Joselyn was elected to the Colorado Women’s Hall of Fame in 2002.

“I’ve had a fun life,” she said.

### The Owner

This piece belonged to renowned scientist **Jo Ann Cram Joselyn**.

### 1960s Bracelet

Donated to the  
CU Heritage  
Center in 1995

Sigma  
Epsilon  
Sigma,  
Physics  
Honorary

Colorado  
Engineer, Book  
Review Editor

Sigma Tau,  
Engineering  
Honorary

Who’s Who, Students in  
American Universities  
and Colleges

Chi Epsilon,  
Civil Engineering  
Honorary

Mortar board

Tau Beta Pi  
women’s badge

Colorado  
Engineer Editor

Runner-up  
“E-Days”  
Queen, 1964

## LOOK Goat Yoga



## Baby Goats, with (Some) Yoga

In April, four 30-minute goat yoga classes were held in the CU Rec Center for groups of 25 students. The event sold out in an hour.

Five baby goats — aged from 10 to 17 days old — wandered the class, sometimes snuggling next to a yoga participant or jumping on their backs. The goats belong to Boulder's Growing Gardens, a nonprofit focused on food donation and agriculture education.

"Baby goats are naturally friendly and inquisitive," said Denise Adelsen, the rec center's assistant director of fitness and wellness. "Goats are not an animal that all people are familiar with or have met before, so this truly gives an opportunity to have an experience that is new to students."

# 2022 COLORADO FOOTBALL

TCU

FRIDAY  
SEPT. 02

Ucla

SATURDAY  
SEPT. 24

Cal

SATURDAY  
OCT. 15



SATURDAY  
OCT. 29

O

SATURDAY  
NOV. 05



SATURDAY  
NOV. 26



TICKET INFORMATION AVAILABLE AT [CUBUFFS.COM/TICKETS](https://cubuffs.com/tickets)





## It's Not About the Bike

**C**olorado's largest fundraising bicycle ride for scholarships began humbly enough, with two men brainstorming as they took a long ride for a children's charity.

As they huffed up and glided down three mountain passes, they resolved to start their own ride for a great cause: scholarships for students at the University of Colorado Boulder. They'd call it the Buffalo Bicycle Classic.

"Most people thought it was a goofy idea, certainly not the norm in higher education fundraising," recalled Todd Gleeson, professor emeritus of integrative physiology and, later, dean of the College of Arts and Sciences.

Gleeson's riding partner was **Woody Eaton** (DistSt'62), a businessman, investor and philanthropist. They enlisted the help of **Frank Banta** (EPOBio'72), owner of Banta Construction, and Gail Mock, a local realtor, dean's advisory board member and longtime university supporter. They were the nucleus, but they weren't alone.

After recruiting others, they sought expert counsel before diving into the surprisingly complex decisions about bike routes, event permits, volunteer coordination, numbers and sizes of T-shirts, food donations and adequate distribution of Port-O-Lets.

The inaugural event in 2003 drew 500 riders who rode one of four routes and raised \$25,000 for scholarships. Since then, the Buff Bike Classic has raised more than \$3.7 million and supported more than 450 scholarship students.

This Sept. 11 is the 20th anniversary event. It has a wide range of routes: five relatively flat road routes range from 14 to 100 miles; two "epic" routes reach 75 and 100 miles with up to 8,800 feet of elevation gain; and two gravel events — a 42-mile flattish "Dirty Buff" and a 55-mile "Dirty Epic," with 5,900 feet of climbing.

Gleeson, who recently passed the ride's leadership baton to Paul Beale, a fellow rider and CU Boulder physics professor, still volunteers his time for the ride, but emphasizes that it's not about the bike.

The Buffalo Bicycle Classic provides scholarships to students in the College of Arts and Sciences. One recipient, **Metkel Tewelde** (IntPhys'24), said, "I am beyond grateful to have been awarded this scholarship. [It] will help me financially and mentally, meaning, I have less worries...and I can focus more on my schoolwork."

"That's what keeps me motivated," Gleeson said.

For more information or to register, visit [buffalobicycleclassic.com](http://buffalobicycleclassic.com).

BY CLINT TALBOTT

The annual Buffalo Bicycle Classic has raised more than \$3.7 million for student scholarships.



# Right Here Right Now

Human activity is gradually increasing Earth's temperature and causing more frequent natural disasters. These stories examine the ways CU is researching the impacts of climate change on human life and human rights.

## Turning Stories into Action

By Emily Wirtz

Climate justice is all about dignity.

That's according to Phaedra Pezzullo, an associate professor of communication at CU Boulder.

"Climate change is disproportionately impacting those who have created the least global greenhouse gases, and too often they are left out of conversations about what to do about it," she said. "To address climate chaos, we have to uphold, improve and practice a more inclusive understanding of dignity."

This spring, Pezzullo led the foundational graduate course for the Certificate in Environmental Justice, in



which students uplifted voices from Colorado communities disproportionately impacted by climate change.

"Being able to see themselves in stories is empowering and allows [communities] to act," said **Anthony Albidrez** (MJour'23), who took the class while working toward his graduate certificate in environmental justice.

The course grew out of a project led by the Colorado Department of Public Health & Environment to prioritize areas for environmental action. The state worked to quantify air particulates and water pollution while CU students created corresponding narratives — expected as of press time to launch in June 2022 — featuring impacted communities.

"Scientific language can be hard to dive into," said Albidrez. "When people understand more, they can take the information they've learned, act on it, shift policy changes and hold the government accountable."

Funded by grants from Mission Zero, Payden Teaching Excellence, the College of Media, Communication and Information Dean's Fund and the Department of Environmental Studies Colloquium Series, the course gave students a chance to help Colorado policy makers understand the local impacts of climate change — and engage community members for solutions.

"Even if a place is identified as one of the most polluted, it's also a beloved place to people who live and work there," said Pezzullo.

The course aligns with the work of the Center for Creative Climate Communication and Behavior Change (C3BC), which Pezzullo co-directs. In partnership with other campus groups like the Just Transition Collaborative and RISE: Resilient Infrastructure

with Sustainability and Equity, the C3BC's multidisciplinary faculty and students connect with communities whose voices have been excluded from conversations about climate policy.

"To fix climate chaos, we have to engage people," said Pezzullo. "It's a people problem — not a wolf problem or a whale problem. Humans are the major drivers of climate chaos, and we have to transform our own species to solve it."

## The Colorado-Brazil Program on Sustainable Development Education

By Grace Dearnley (Engl'21)

The tropical forests of Brazil are legendary for their breadth and beauty. But beneath the canopy, concerns about the forests' role in carbon sequestration and biodiversity conservation overlap with the rights of those who live in and off of the forests — rights to develop the area, lift oneself out of poverty, make a living or preserve one's culture.

In May 2022, 10 graduate students in CU's Masters in the Environment (MENV) program journeyed into the Amazon and Atlantic forests with the Colorado-Brazil Program for Sustainable Development Education to consider those intersections.

They studied how stakeholders in these areas work for sustainable development while navigating the tensions between land-use and conservation; preserva-

tion of traditional, remote communities and access to more urban resources; and forest-dependent livelihoods and sustainable supply chains.

The three-week program trained the cohort of professional master's students to work at the science-policy interface, teaching them skills to help communities worldwide mitigate climate change, conserve biodiversity and promote sustainable livelihood objectives while keeping human interest at the heart of problem-solving.

"It's a wake-up call to think about bottom-up solutions that really work for the people in the regions we talk about; places with millions of people who are dealing with poverty versus conservation. It helps students factor that into the work they go on to do," said Colleen Scanlon Lyons, program leader and CU associate research professor.

While the MENV program provides real-world experience, perhaps most heartening — and unique to the program — are the relationships it fosters. Designed to initiate lasting international collaboration, the program joins CU students with master's students from both Brazil's University of Amazonas and its Universidade Estadual de Santa Cruz, forging bonds and insights students will carry far into their professional careers.

Said David Meens, director of CU's Office of Outreach and Engagement: "There is no substitute for being in that boundary-spanning

context where you are developing partners, developing programming together and considering the interests of folks involved who have very different positions and very different economic and cultural situations."

## Alum Aims to Improve Nepal's Air Quality

By Kiara Gelbman (EBio, Jour'24)

Nepal has some of the worst air quality in the world. The Health Effects Institute estimates more than 42,000 deaths were attributed to air pollution in the country in 2019 alone.

**Prateek Shrestha** (MMechEngr'15; PhD'18), who is from Kathmandu, Nepal, wants to motivate the youth in his home country to address the problem through a small quadcopter drone he and his team created that will take aerial measurements of air pollution in Nepal. He hopes the measurements can spread awareness to residents about the poor air quality and inspire similar projects throughout the country.

"The mountains that I used to see from the north side of my house while growing up were invisible for most of my college days," he said.

Over the years, they disappeared behind fugitive dust and diesel emissions.

Shrestha, who now lives in Henderson, Colorado, started his drone project in 2019 to exemplify what "people can do at a personal level if they are truly motivated," he said.

After building a team of researchers — including a pico-satellite startup in Nepal called Orion Space —



and academics to further expand the initiative, Prateek now works on the project at the advisory level. Currently, they are working on a system that can deliver data from low-cost air sensors mounted on the drone in real time to a ground station based in Kathmandu.

"Countries like Nepal, which are very low income, feel the brunt of climate change disproportionately," said Shrestha. "What we need is a collective level of preparedness for the harsh conditions that climate change can bring, and increasing our awareness to these issues is the first and most important step."

Outside of his drone project, Shrestha remains committed to the environment in his work. As a research engineer at the National Renewable Energy Lab, he



examines energy performance of residential buildings, such as how residential buildings built with 3D-printed concrete could impact energy performance, and how to ventilate buildings with fresh air at minimal energy and cost.

He credits much of his current work to CU Boulder, especially his time working with air-quality expert and engineering professor Shelly Miller on indoor-air-quality research, and researchers from engineering professor Mike Hannigan's lab.

"Air pollution is a global problem that sees no international boundaries," Shrestha said.

## After a Wildfire, What Happens to Water? **By Kelsey Simpkins (MJour'18)**

When Western wildfires break out, water may first come to mind as a critical resource for helping extinguish it. But what about after the flames finish?

A 2022 CU study on the growing impact of wildfire on the Western U.S. water supply found that large forest fires can significantly increase the amount of water in surrounding streams and rivers up to six years after a fire, impacting regional water supplies and increasing



risks for floods and landslides. The results suggest that water and natural hazard management will need to be more prepared for wildfire impacts. U.S. wildfires — which have quadrupled in size and tripled in frequency since 2000 — are only projected to escalate.

"We're likely going to see a lot more fires," said Ben Livneh, co-author of the study and assistant professor of civil, environmental and architectural engineering. "Like we saw with [Boulder County's] NCAR and Marshall fires, this is going to be a clear and present danger."

Historically, forest-based streams and rivers increased in predictable amounts in response to rain or snowfall. However, from 1970 to 2021, those amounts declined due to warming and evaporation.

Wildfire adds another layer to the equation.

"When you bring so much fire into the mix, it fundamentally alters that relationship," said Livneh, who also serves as director of the Western Water Assessment and is a fellow in the Cooperative Institute for Research in Environmental Sciences (CIRES).

The study examined 35 years of data from 179 forest basins in the Western U.S. between 1984 and 2019, including 72 sites where at least one large wildfire occurred. In areas where 20% or more of the forest burned, area streamflow was 30% greater than expected, for an average of six years post-fire.

It's the first paper to show this increase persists in all four seasons after a fire, in all manner of vegetation, topography and elevation.

This water surplus could in part be a good thing, given the overall decline in the past 40 years. But it also comes with elevated landslide risks and a need for Western communities to invest in a greater diversity of water sources, as ash-laden water is low quality and expensive to treat, according to Livneh.

Due to the uncertainty of where or when future forests will burn, wildfire is not currently factored into assessments of the effects of climate change on Western U.S. streamflow.

"It is something organizations need to educate fire-prone communities about, so we can be prepared for short- and long-term impacts," said Livneh.

## **Class Action: Fighting Climate Change Through Girls' Education**

**By Helen Olsson**

When **Anna Iwanciw** (IntlAf'22) was in high school, her class watched the documentary *Cowspiracy: The Sustainability Secret*, prompting her

to become a vegetarian and reduce her personal carbon footprint.

Iwanciw feels her education directly impacted her views on climate change. And now she wants all women to have access to the same things she's learned.

"I'm a firm believer that everything is interconnected," Iwanciw said.

She points to a 2021 report by the Malala Fund, a nonprofit that advocates for girls' education, which points out the double-edged sword of gender inequity in education. By 2025, climate change is on track to be a contributing factor in preventing some 12.5 million girls yearly from completing their education, according to the report.

"Whether it's flooding or escaping wildfires, these girls suddenly become refugees of the climate crisis," Iwanciw said.

On the flip side, education has the potential to mitigate the climate crisis by giving young people the tools to challenge its root causes, the resilience to handle disasters and the knowledge to find solutions.

"There's a stigma in some countries that women shouldn't be educated," said Iwanciw. "And that's really to the detriment of our society."

While at CU, Iwanciw has become an ardent advocate for girls' education through a social media internship and volunteer work with Girls Education International, a nonprofit dedicated to providing girls in remote locations with education. She also produces Girls Ed podcasts, interviewing

people like women's rights activist Anbreen Ajaib, executive director of Project Bedari, a Girls Ed partner in Pakistan. The agency also works with Project Wezesha in Tanzania, which focuses on issues like providing safe transportation to school.

Iwanciw has already seen the impact of the nonprofit's work — and the overlap between education and climate change. Saraphina Matombi Matias, a student from Kagono, Tanzania, who was supported by Girls Ed and Project Wezesha, is now teaching people in her village about the environment and encouraging them to plant trees and manage waste properly — all while working toward a bachelor's degree in education at the University of Dodoma.

"Basically, if we educate women, we could potentially save the world," Iwanciw said.

## Climate Change Fueling Violence, Hunger for East African Pastoralists

By Dan Strain

Kenya and Tanzania are home to diverse groups of nomadic herders, or pastoralists — peoples like the Maasai, Turkana and Samburu who depend on cattle for their survival and cross wide expanses of grasslands to keep their cows fed.

They also engage in occasional cattle raiding. Men arm themselves with AK-47s, which you can buy for around \$8 in parts of East Africa, and sneak into their rivals' territory in the dead of night to steal cows. Sometimes, the consequences are deadly.

CU Boulder researchers John O'Loughlin and Terrence McCabe had long wondered: In arid regions of the world like these wide pasturelands, could climate



change make violence worse?

"When people live on the margins already, it doesn't take much to push them over the edge to take desperate measures," said O'Loughlin, professor of geography.

To get to the bottom of that question, O'Loughlin and McCabe, professor of anthropology, teamed up over the last decade to conduct several surveys of communities across Kenya. They discovered that people who fled their homes to escape drought, including some pastoralists, were over three times more likely to be victims of violence than Kenyans who remained in place.

But the situation is complicated: In many pastoralist communities, traditional elders often meet with leaders

from nearby communities, even sworn enemies, to hash out their differences. Those kinds of leaders seem to significantly reduce the risk of disagreements devolving into bloodshed, even in the midst of severe droughts.

O'Loughlin and McCabe worry, however, that East Africa's pastoralist peoples may be losing their ability to adapt to a changing environment. The team surveyed more than 500 people from Isiolo County near the center of Kenya four times from early 2020 to early 2022. Their preliminary results suggest that life in this region is getting worse as people contend with the COVID-19 pandemic, a historic locust invasion and repeated droughts.

The future of peoples like the Maasai or Turkana may depend on tackling all of these challenges and more together, McCabe said.

"What I'm worried about is that people who have been resilient to these kinds of environmental changes for centuries will lose their resilience," he said.

## How Natural Disasters Impact Vulnerable Populations

By Lisa Marshall (Jour, PolSci'94)

When **Lori Peek** (PhDSoc'05) started graduate school in the Department of Sociology in 1999, natural disasters were still largely framed as "acts of God" — isolated events only occasionally impacting an unlucky few, with everyone equally vulnerable to their wrath.

Today, with climate change fueling bigger and more frequent wildfires, hurricanes and floods, and many people experiencing multiple disasters in their lifetime, a different picture is emerging.

"There is growing recognition that these are not 'great equalizers,'" said Peek, director of the CU Natural Hazards Center. "People at the margins suffer first and worst."

For two decades, Peek has applied a social science lens to the study of natural disasters, touching down on site within days of hurricanes in the Gulf Coast, tornados in the Midwest, earthquakes in Alaska and wildfires in the West to explore not why buildings collapse and how to make them stronger, but rather who lived in those buildings and what happened to them.

Peek's research has elucidated how social fault lines around race, gender, age, disability and income often determine who is hit hardest or recovers fastest.

"Hurricane Katrina was a huge marker moment," said Peek, who traveled to New Orleans immediately after the 2005 hurricane, as terrified residents waited on rooftops for help to arrive. "You had people dying in the streets of a major American city. There was no denying how much your station in life can literally determine if you live or not."

Peek notes that vulnerable populations are often at a disadvantage before the disaster hits: They might not have the resources, like cellphones and Wi-Fi, to stay informed — or the time, social networks or transportation to leave when necessary.

Individuals over 65, particularly those with a disability, are often most likely to die. And in the aftermath of disasters, people living on the margins often end up homeless.

"Disasters often become a mechanism for pushing the poor out of a community," she said, referencing mobile home parks in Boulder County that were destroyed and never replaced after the 2013 flood.

Children are also prone to mental health problems long after the event, she said, particularly if their schools are closed and communities dispersed for a long time.

In contrast, those able to get back to school, connect with friends and find support from their community can not only survive but thrive, she has found.

"In the immediate aftermath of a disaster, we see communities come together in the most extraordinary ways."

She hopes that just as the findings of her engineering colleagues may someday inform new, stronger structures, her work can inspire social policies to make vulnerable populations more resilient both before and after disaster strikes.

### Coloradan Conversations

Join the ongoing climate change and human rights discussion at our next Coloradan Conversations event, Wednesday, Sept. 7, from 6 to 8 p.m. at CU Boulder's CASE building. Attendees may also participate virtually. Visit [colorado.edu/coloradan/conversations](https://colorado.edu/coloradan/conversations) for more information.

# The Fashion

Perfect-fitting jeans exist.

Unspun, a fashion and robotics company co-founded by **Kevin Martin** (MechEngr'16), makes personalized pants in custom colors, fabrics and styles — and uses 30,000 infrared data points from an iPhone body scan to create an individually tailored fit.

After a person chooses their pants, which cost around \$200, and scans their lower body using an app, Unspun gets to work. And as soon as this year, the jeans will be spun in 10 minutes with a 3D-weaving machine, eliminating nearly every aspect of the traditional manufacturing process for a pair of pants.

The company earned recognition on *Time* magazine's best inventions list twice — in 2019 for its body-scanning technology and in 2021 for its 3D process.

Martin and fellow co-founders Beth Esponnette and Waldon Lam — Stanford friends and fashion industry innovators — have an ambitious goal with Unspun: to reduce the world's carbon emissions by 1%.

"It costs \$150 billion a year to make stuff, move it across the world and then light it on fire," said Martin, 27, who grew up in Colorado Springs and moved to San Francisco in 2017. "And that's just wasted product."

The EPA estimates that of the 13 million tons of clothing and footwear produced in 2018 (the latest year with data), only 1.7 million were recycled.

Unspun, based in San Francisco with a store in Hong Kong, hopes to eliminate the mass-production model for clothing and, instead, offer personalized products through its 3D-weaving technology and partnerships with major fashion labels.

"We were inspired by the Tesla model of doing things," said Martin, who was hired by Esponnette and Lam in 2016 after he responded to a job ad seeking an

engineer to help start their new company. "We said, 'Let's figure out how to automate apparel manufacturing.'"

Martin's experience at CU Boulder became the foundation for the company's early production model, with roots in the university's Idea Forge — a prototyping, design and innovation lab.

As a senior, Martin took a capstone course held in the Idea Forge. After joining Esponnette and Lam in 2016, he sponsored the same class, engaging

CU students — including Unspun's first employee, **Brian Gormley** (MechEngr'17) — to build a 3D-weaving machine for the company. Gormley drove the machine in

a U-Haul from Boulder to San Francisco in the summer of 2017.

Martin's longtime friend **Stephen Thoma** (CompSci'16) joined Unspun as software director and created the scanning algorithm and software, first funded by a National Science Foundation Small Business Innovation and Research grant.

HAX, a venture capital firm in Shenzhen, China, was also an early Unspun supporter and trained Martin and Gormley for four months in China in the fall of 2017 to help build a more advanced 3D-weaving machine.

H&M became an early collaborator in 2018, offering a line of customizable jeans. By 2019, customers could purchase jeans directly from Unspun's website, and the company gained traction.

This year, with more than \$7.5 million in seed funding and 20 employees, Unspun aims to unveil its 3D-weaving technology in partnership with yet-to-be-announced major fashion labels.

The founders keep their 1% goal at the forefront of the business.

"To get to the impact and scale that we want, we need to become the new standard in apparel manufacturing," said Martin.

**Kevin Martin hopes to transform the waste-heavy manufacturing process of the fashion industry. His company, Unspun, starts with made-to-order pants.**

BY CHRISTIE SOUNART

# Industry

Unspun





CU Boulder professor Peter McGraw has a single-minded goal — to better understand and even celebrate the millions of individuals who are unmarried.

That's the focus of the latest research by McGraw, a veteran marketing and psychology professor at the Leeds School of Business, who has spent the last three years examining the so-called solo lifestyle and capturing what he believes is a growing trend that shows no signs of letting up.

"There's definitely something going on out there," said McGraw, 52, an avowed bachelor. "People are questioning the basics of what it means to live a good life and whether having a life partner is really necessary for that."

The figures don't lie. His research shows that there are 128 million single adults in the U.S., or roughly half of all

ventional relationships. That includes encountering discrimination at home and in the workplace.

"What I found is that the stigma is real," McGraw said. "It's important that single people be put on equal footing with married people. It's not healthy for the world to have people walking around feeling badly until this uncertain, difficult thing (marriage) happens in their life."

McGraw said businesses and policymakers need to take notice of this emerging group and adopt a new playbook. To help, he has launched Single Insight: The Science of Solos, a project for employers and others seeking to separate themselves from their competitors by becoming more attractive to the single population.

For employers, it's about recruiting and retaining employees with policies

# SOLO

adults. An estimated 28 percent of the households in the nation are going solo, a marked change from the once-dominant idea of the nuclear family. And recent projections reveal that one in four millennials — those born between 1981 and 1996 — will eschew marriage altogether.

McGraw said the decision to go it alone these days can be closely tied to improving economic opportunities for men and women, paired with greater access to education and a social safety net that makes departing from traditional marriage more than just doable, but the preferred path for many.

"Solos embrace their autonomy; they see themselves as complete," said McGraw, who has a podcast on the solo life and is completing a book on the topic. "They see a partner as complementing, not completing, their lives."

McGraw said solos tend to be more adventurous in their approach to life and travel and more open to new things and ideas.

His research shows the solo crowd is a widely diverse group in age and status, but is disproportionately composed of women, LGBTQ and Black community members. Some are single by choice, others by chance.

But no matter the circumstance, he said they all face the same challenges that go along with living in uncon-

## and Loving It

**Americans are avoiding marriage and embracing the single life more than ever — CU's Peter McGraw wants to find out why.**

**By David Schwartz**

and benefits such as flexible work schedules, sabbaticals and pet insurance that are often singles-friendly. For others, it's the ability to fashion marketing messages, products and services that resonate with consumers who identify as single.

Under the plan, he would deploy a scientific approach to aid these efforts, using case studies and large-scale surveys to help determine the best ways forward.

McGraw said he has optimism for those solos who may be struggling with fitting in at work and beyond.

"There's nothing wrong with being single," he said. "If you're single, where you are in life at this moment is a wonderful opportunity."

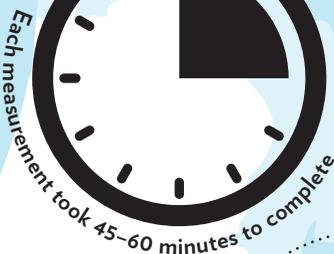
## Life at 22,000 Feet

In December 2021, a trio of CU scientists in a convoy of 4WD trucks sought to discover how life persists on Argentina and Chile's Ojos del Salado, the world's highest volcano and home to some of the planet's driest areas. The team — Brian Hynek, geological sciences professor and LASP research associate, and graduate students **Adam Solon** (EBio'16; PhD'23) and **Amanda Steckel** (MAeroEngr'15; PhDGeol'24) — were the first researchers to explore and study some of the highest points on the Argentinian side of the mountain. Their work may inform future research into life beyond Earth, such as on Mars or on one of Jupiter's moons, Europa.

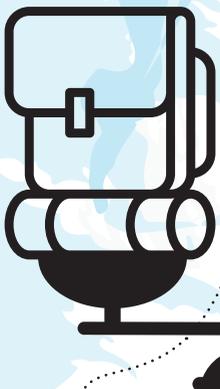
**22,615 ft** height of Ojos del Salado

**3**

CU team members in the field collecting 40 microbial and 15 mineral samples, plus light measurements



Each measurement took 45-60 minutes to complete



The team's backpacks weighed about 50 pounds



Animals spotted on the trip: vicuñas, flamingos and condors

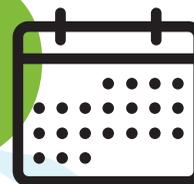


13,000ft

Other camps' approximate locations

**3**

-week-long study during the southern hemisphere's summer



**4**

trucks the team used for transportation, including a former African safari truck



21,000 ft

Research was conducted at

19,000 ft

The team's base camp was at



### PENITENTES:

The spiky snow formations the team studied are typically 5-7 feet tall and are commonly found in dry environments above 13,000 ft.

**HIGHEST** recorded trip temperature 127.67°F at 1 p.m. Dec. 6



**LOWEST** recorded trip temperature 1.7°F at 1 a.m. Dec. 12



# Local Legacies

**CU ENGAGE'S PUBLIC ACHIEVEMENT PROGRAM INSPIRES MIDDLE AND HIGH SCHOOL STUDENTS TO TACKLE SOCIAL ISSUES – AND GIVE BACK TO THEIR COMMUNITIES.**

**BY PATRICIA KAOWTHUMRONG**

**Enihs Medrano** (Soc'23) never envisioned herself serving in local government until a program for young people opened her eyes to the power of civic engagement. As a sophomore at Centaurus High School in Lafayette, Colorado, Medrano connected with **JD Mangat** (Mgmt'17; MEdu'22). The fellow Lafayette native and Centaurus alum became Medrano's coach and mentor in Public Achievement (PA) — a program that empowered them both to strengthen and become leaders in their communities.

PA is a nationwide program that has a branch within CU Engage — the university's Center for Community Based Learning and Research — which encourages middle and high school students to address social issues in their communities. In the program, groups of seventh through 12th graders are paired with college student coaches who are enrolled in School of Education courses at CU Boulder.

"I could literally say that it changed my life," said Medrano, who is now 20 and began her term as the youngest member of Lafayette City Council this past December. "When I was introduced to the program, it really gave me that social justice lens that I never learned anywhere. And it put a name to the experiences that I had been living through my childhood and up to high school. It made me realize I'm not the only one that experiences this discrimination and feeling of not belonging. It's a larger issue."

Medrano became a CU student in 2019, a decision that was influenced by her desire to stay near family and continue making an impact on her Lafayette community (she originally wanted to go to Baylor in Texas) — thanks in small part to the bonds she built in



PA. Her positive experience also led her to enroll in one of the university's two PA courses ("Renewing Democracies and Communities" and "Teaching Social Justice") and serve as a coach herself. Mangat, who encouraged Medrano to run for Lafayette City Council, followed a similar path.

Before Medrano was elected to the local municipal body, Mangat was the youngest member serving on the council. Then he was elected as the city's youngest mayor in 2021 at the age of 26. Now the pair serve side by side. Both attribute PA — which Mangat has participated in

and wrote an ethnic studies curriculum for 11th graders.

In high school, Medrano contributed to a project that aimed to increase diversity in Advanced Placement (AP) and International Baccalaureate (IB) classes at Centaurus High School. With the help of Mangat, who was a PA coach at the time, Medrano's group hosted informational workshops and presentations and met with parents to introduce them to AP and IB classes and encourage them to enroll their students. While it was a project Medrano worked on from 2016–2019, Centaurus students still support the initiative.

"We wanted to have more students of color join those classes because the demographics of our school didn't necessarily match the demographics in those classes," she said. "We would call parents

and host presentations for them to introduce them to these classes for their kids. ... Most of the kids [we wanted to attend the classes] were students of color whose parents had a language barrier and we were able to give presentations in Spanish for them."

"The projects we did were so fun, different and unique. They were showing how you can create real, sustainable, visible change in your community," Mangat said, reflecting on his time as a mentee in PA. "I got a full-ride scholarship to CU Boulder because of my community

involvement. I wasn't the best academically. I wasn't the best socially. But I was so invested in my community through programs like Public Achievement that in my interview for that scholarship, that's all I talked about."

Every year, CU Boulder works with 250 middle and high school students within the Boulder Valley School District through PA. Those youth are mentored by about 60 undergraduate coaches, who apply to be a part of the courses via a closed enrollment program. That means that instead of sending in a formal application, interested undergrads can set up a short one-on-one meeting with PA assistant director

**Soraya Latiff** (Int'l Af'17; MPubAd'21) and another program member to share

why they want to be a coach. This process allows the PA team to connect with prospective coaches on a more personal level, Latiff said.

"It is really valuable for us to make sure that we are getting to establish a relationship with people who are coming in — to get a sense of who they are, what their identities are, what their values are and what issues of injustice they're really mobilized by and why," said Latiff, who also serves as the CU Engage communications manager.

Of the 40 to 45 individuals who were coaches in the spring 2022 semester, about 90 percent were people of color and many were first- and second-generation college students, Latiff said. Once they take the course for a full year, students are eligible to apply to be a PA teaching assistant, and most stay in PA for multiple years or for the duration of their time at CU.

"In our [spring 2022] cohort, one-third of the CU students had gone through the program in middle school or high school, became a coach and are now a teaching assistant," she said. "It's really kind of exciting to see how it's grown to become so much more of a community oriented space."

Latiff also mentored students as a PA coach at Centaurus High School and Angevine Middle School, served as a teaching assistant, and worked as the program's coordinator during her year-long tenure as an AmeriCorps service

member. Since 2021–22 was PA's first full school year back to in-person classes after implementing a digital program for the COVID-19 pandemic, Latiff is looking forward to building on the momentum of having a physical presence in schools again and witnessing the impact multigenerational participants have within the Boulder Valley School District and their communities.

"JD and Enihs are great examples of that trajectory because they were participants in the program when they were in middle school or high school, then went to CU and became coaches at the undergraduate level," she said. "We have a lot of students in the program today who

**YOU NEED TO BE INVESTED IN SOMETHING MUCH LARGER THAN YOURSELF.**

have also walked that path."

While many PA alumni work in education, others go on to work in business, human resources, film or art — and make those spaces more equitable, just and representative of their diverse bodies, cultures and futures, said Latiff.

"Many students reflect to me at the end of a year how they have not yet seen themselves as a leader, politician or as an activist until PA — however they have always had that power and capacity within them," she said. "They come to see and know these things in themselves by practicing this work in the community with other young people, organizers and leaders."

Mangat, a social studies teacher at Angevine Middle School in Lafayette, and Medrano, who aspires to be a police officer in the city, are living examples of PA's power. Medrano and Mangat's families are rooted in Mexico and India, respectively, and they are part of Lafayette's most diverse city council to date.

"To really make a long-term sustainable legacy, a long-term sustainable impact in your community, you need to be involved in programs like Public Achievement," Mangat said. "You need to be invested in something much larger than yourself. And I do that every day with my students, but I also got exposed to this through CU Engage."

**THEY WERE SHOWING HOW YOU CAN CREATE REAL, SUSTAINABLE, VISIBLE CHANGE IN YOUR COMMUNITY.**

as a student, coach and teaching assistant — for giving them valuable mentorship and exposure to experiences they wouldn't have had access to otherwise.

Over the course of a school year, students and coaches in PA collaborate to design, implement and undertake community-centric projects that tackle social issues such as police brutality, immigration rights, human trafficking, gun violence and climate change. Past participants developed podcasts, designed a safe space for LGBTQ community members, created a gun buyback program

# BOULDER IS THE HAPPIEST CITY IN THE U.S. . . . FOR SOME

Filmmakers Katrina Miller, Beret Strong and John Tweedy created a new documentary that's inspiring important conversations about race and inclusion. BY SARAH KUTA

In a documentary filmmaking class during her junior year at CU, **Katrina Miller** (Jour'07) made a short movie about her friend, a Black student who'd received a racially charged letter threatening her to step down from her post as student body president. Miller's video didn't make it out of the classroom (though her peers did give her a standing ovation), but Miller never forgot the pride and passion she felt drawing attention to injustice.

Now, 15 years later, Miller is once again using documentary film as a vehicle for social change. Miller, along with **Beret Strong** (Engl'83) and **John Tweedy** (Engl'82), are sparking important conversations about race and inclusion with their film *This Is [Not] Who We Are*, which explores the disconnect between Boulder's self-proclaimed commitment to diversity and Black residents' lived experiences. Though *National Geographic* may have

named Boulder the happiest city in America in 2017, that description is more true for some residents than others, the filmmakers argue.

"A big reason why I got into film and video is because of the storytelling aspect," said Miller. "It can be a great influencer, and I've always known that there are certain issues in the world I want to address and the best medium to do that, for me, was film."

The film centers on a recent incident that made headlines around the world: In March 2019, Boulder police officer John Smyly confronted and, ultimately, pointed his gun at Zayd Atkinson, a Black man and a student at Naropa University who was picking up trash outside of his dorm as part of his work-study job. When demonstrators took to the streets to show

support for Atkinson and protest racism, the filmmakers grabbed their cameras and got to work.

But the movie goes much deeper than this moment, exploring how Boulder's earliest history made it nearly impossible for people of color to succeed in the idyllic city in the shadow of the Flatirons. Featuring historical context and emotional interviews with present-day Black residents of Boulder — including children and teens grappling with racist bullies at school — *This Is [Not] Who We Are* shows another side of a city that views itself as progressive.

"We still have people who really believe that Boulder is just this perfect town, who believe that what happened to Zayd was an isolated incident, so I want to reach every single resident somehow, some way," Miller said. "Everyone really needs to open their eyes to all the truths of their community so we can fix it."

Despite the documentary's bleak outlook, the filmmakers remain optimistic, due in large part to the positive reception of the film so far. *This Is [Not] Who We Are* won a prestigious People's Choice Award when it premiered at the Boulder International Film Festival in March, and after the screening, scores of people eagerly participated in a call-to-action discussion session.

Now, the creators are fielding requests to

screen the film in Boulder and beyond; they're also creating accompanying study guides to help people understand and discuss the themes depicted in the film.

"[The positive reaction] makes me want to work even harder toward fixing these problems, and I'm feeling that same sense of energy and responsibility from audiences," said Miller. "It feels like they are jumping on this train with me after watching the film and hearing the stories."

They hope that after viewing the film, people will feel motivated to take action or start down a path of self-education, however they feel compelled to — whether that's by joining the Boulder County branch of the NAACP, reading books on white privilege, having difficult conversations about race and ethnicity or something else entirely. More broadly, they hope as many people as possible will view the documentary and "join us in trying to be the community that we want to be," Miller said.

"Film is the tool you can use to help other people say what they need to say," said Strong. "It's a facilitation. And then you make it beautiful, you hope, so that lots of people are moved by it and want to engage with it. And then you see if it can help galvanize dialogue and maybe some positive action." LEARN

MORE AT [WWW.THISISNOTWHOWEAREFILM.COM](http://WWW.THISISNOTWHOWEAREFILM.COM).





# VIRUS HUNTER

Dozens of viruses, including the one that causes COVID-19, have jumped from animals to humans, often with deadly consequences. Sara Sawyer wants to know which one is next.

BY LISA MARSHALL

In the early 1900s, deep in the woodlands of Central Africa, a virus that had been quietly circulating amid apes for millennia made an unlikely jump to humans.

Precisely how remains a mystery: Scientists suspect a person or persons ate an infected chimpanzee or cut a finger while butchering one, exposing themselves to blood tainted with simian immunodeficiency virus (SIV). It took hold slowly over decades, evolving in ways that made its spread from human to human more efficient.

By 1959, a mysterious illness was spreading in Haiti. By 1981, young men were dying at alarming rates in Los Angeles. By 2022, 36 million worldwide had succumbed to HIV/AIDS, what we now know as human immunodeficiency virus, which is closely related to SIV.

It was not the first nor would it be the last virus to wreak global havoc after jumping from animals to humans: H1N1, which originated in waterfowl, killed more than 50 million during the influenza epidemic of 1918. SARS-CoV2, believed to have originated in bats, continues to drive the COVID-19 pandemic. In all, about 300 viruses are known to sicken people. It is lost to history just how many of these resulted from animal

viruses that jumped to humans. But in recent decades, many more have.

What will be the next one?

That's the question that keeps CU Boulder virologist Sara Sawyer up at night.

"There are estimated to be as many as 1 million viruses circulating in animals out there," said Sawyer, a professor of molecular, cellular and developmental biology. "Which ones should we be preparing for next? That's what I want to know."

To that end, Sawyer has spent the last 14 years gathering hundreds of samples from primate, rodent, bat and other mammalian species to better understand what evolution has taught them about how to live with viruses. Her hunt has taken her from endangered lemur preserves to homes for retired celebrity chimps (including Michael Jackson's famed Bubbles).

"I once received part of a coyote heart via FedEx," recalled Sawyer, a skilled storyteller whose eyes grew wide, hands gesturing excitedly, as she described her life's work.

In her lab at CU Boulder's BioFrontiers Institute, she also studies viruses (SIV, dengue, influenza and more), employing cutting-edge genetic sequencing and lab techniques to better understand



Just as she began a PhD program in genetics at Cornell University, she spotted the 1996 *Time* magazine “Person of the Year” cover on a newsstand: It was AIDS researcher David Ho, who pioneered the earliest effective drugs for the disease. Clad in aviator glasses, he looked to Sawyer like a rock star.

“I said to myself, ‘I want to be that guy,’” Sawyer said.

the answers to important questions: What enables some viruses to jump species and spread unbridled, while others fizzle out? And why can some hosts get exposed without getting sick, while others die?

“There are lots of examples in nature of evolutionary winners — organisms that have figured out how to be resistant,” said Sawyer. “If we can better understand what their immune systems are doing, we may be able to come up with solutions we never thought of before.”

## Coming of Age in a PANDEMIC

Sawyer was sitting in her seventh-grade health class in Olathe, Kansas, in the mid-1980s when her teacher made a chilling proclamation.

“She said, ‘There is this new disease, and if you have sex, you could die,’” recalled Sawyer.

During these formative years, the nightly news was filled with stories of orphans with AIDS in Africa and U.S. celebrities contracting the disease. Just as the generation before her had grown up in the shadow of the influenza epidemic, she was shaped by AIDS.

“That virus influenced my life in profound ways, much like COVID is shaping young people’s lives in ways they don’t know yet,” she said.

Sawyer earned a degree in chemical engineering from the University of Kansas and worked on offshore drilling platforms to bank money for graduate school.

## Hitting the EVOLUTIONARY Jackpot

Today, along with running a lab and teaching classes, Sawyer has gained a global reputation as a leader in her field, with the U.S. government tapping her for consultation on how to prevent and better respond to pandemics, including the COVID-19 pandemic.

“She has been at the front line of viral disease research asking the big questions that have helped us understand how zoonoses emerge and cross into humans,” said Cody Warren, a postdoctoral researcher who came to CU’s BioFrontiers Institute for the chance to work with her.

As Sawyer explained, hundreds of thousands of viruses circulate unnoticed in the animal world, often without making the animals sick. (SIV, in most cases, does not harm non-human primates.)

“We are all breathing and ingesting animal viruses every day, via the pets we keep, the undercooked food we eat, but they just pass right through us,” she said.

Sometimes, however, a virus sticks, and when a virus infects a species whose immune system is naive to it, it can run wild.

“The jackpot moment for an animal virus is when it doesn’t just pass through, it gets into our cells and turns our body into a factory for reproducing itself,” she said. “What constitutes a virus jackpot like that? Why that time and not another time?”

Genetics, her lab’s research has found, plays a role.

In one recent study, published in the journal *PNAS*, Sawyer and Warren show that genetic variations between chimpanzees make a critical difference in how they react to SIV. For instance, some resistant chimpanzees possess a variant of a gene called CD4 that leads to a sugar-like coating forming a protective barrier over the receptor to which the virus attaches.

Such variations between individuals can not only influence how viruses spread within the same species, but also how they jump from species to species, including to people.

“Zoonosis doesn’t just occur when a human encounters a chimp in the wild,” said Warren. “You have to have this magical interaction between the right human encountering the precise chimpanzee that is genetically predisposed to harboring that viral infection.”

Notably, a very small set of humans — about 1 in 300 — also appear to be resistant to HIV.

“If we could understand what evolution has figured out and make drugs to mimic that, we could protect ourselves,” she said.

## PREDICTING the Next Pandemic

During a lecture in Sawyer’s undergraduate class on emerging viral diseases in 2019, Warren rattled off a list of recent coronaviruses that jumped from animals to humans via an intermediary host, igniting epidemics: Severe acute respiratory syndrome (SARS Cov1), likely jumped from civet cats to people in 2003. MERS jumped to humans via camels in 2012.

“I told them, six different coronaviruses have emerged in humans, two in just the last 20 years, and it is very likely that another one will emerge in the not-too-distant future,” Warren said.

As soon as the first cases of COVID-19 began appearing in headlines, Sawyer’s inbox filled with messages from students, acknowledging she and Warren had called it.

SARS Cov2, she notes, was particularly troublesome because it is a respiratory virus that spreads easily, and because most people experience mild or no symptoms — enabling it to continue to spread by the unknowingly infected.

“Deadly is not the best evolutionary state for a virus,” said Sawyer. “If it kills people too fast, it doesn’t spread.”

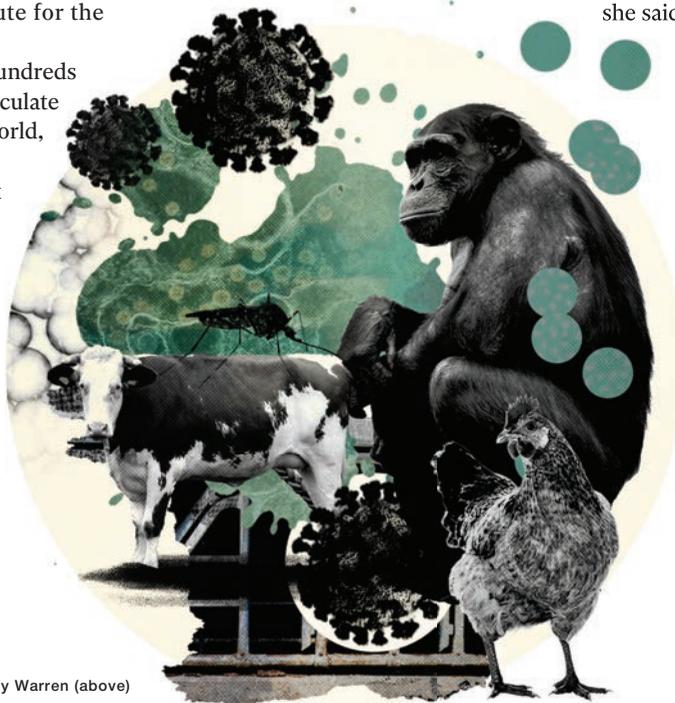
She feels optimistic that COVID-19 will grow less and less dangerous, morphing into an endemic, cold-like nuisance. But her lab always has a close eye on what’s to come.

“We have a highly fatal bird virus sweeping the U.S. right now, H5N1. Humans can get that virus from birds, and it is 50% fatal, but fortunately it has not yet learned how to spread from human to human,” she said. “That is the only thing separating us from another epidemic at this moment.”

Meanwhile, she stays true to the mission that got her into this work to begin with — the quest to develop a vaccine for HIV.

Yes, COVID-19 has been tragic and deadly, killing 6 million worldwide as of May 2022. But Sawyer asks people to put it in perspective.

“Forty years into the HIV pandemic, caused by a virus from which nobody recovers, and which causes a psychologically torturous disease, we are still losing 2,000 people per day and we have no vaccine,” she said. “We can do better.”





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## Bufs Give Back

Annual volunteer event for CU alumni is back with a bang.

**A**fter a two-year pandemic hiatus, Bufs Give Back returned in force this spring. The revival of this annual volunteer event gave around 80 CU alumni the opportunity to perform meaningful work for their communities across the country. Each local event was coordinated by an alumni volunteer, who helped select and plan the project and recruit fellow volunteers.

**Vanessa Lopez** (Bus, EthnSt'09) was the project leader for the Boulder area, organizing a day of support at the Marshall Fire Donation Center with the CU Boulder Latinx Club and Forever Bufs Boulder alumni chapter. The group spent the day unpacking, sorting and shelving donations for individuals impacted by the fires in Superior, Louisville and unincorporated Boulder County.

"I know our work may have been a small part of the rebuilding effort, but it takes a lot of small acts to help make it to the finish line," said Lopez, who has participated in four Bufs Give Back projects to date.

All told, nine different CU volunteer groups in Colorado, Florida, Oregon, California and Washington, D.C., helped clean up parks and beaches, volunteered at food pantries, restored river habitats and provided support for their communities.

"I don't think your college experience ends when you graduate — we have to continue to help build up the future generations of Bufs, and a great way to do that is through connecting with others in the community," said Lopez.

"While we all can't reach global or even national recognition for our contributions to society, we all are capable of making an important impact in someone's life."

About 80 Forever Bufs volunteered in their communities as part of the Bufs Give Back service day.



## Homecoming Weekend 2022



Plan a trip this fall to come back to campus for Homecoming Weekend, Oct. 27-29, and relive some of your favorite CU memories.

Experience the annual Alumni Awards Ceremony, an evening of inspiring stories depicting positive impact around the world. Get your fill of laughter and comradery over drinks and food at Bufs on Tap, a popular alumni event showcasing the libations of Buff-owned breweries and wineries. A new addition, this year you can tour campus with a CU architect enjoying new places and old favorites. And don't miss cheering on the Bufs at Folsom Field as they take on the Arizona State Sun Devils.

"Octobers in Boulder are often spectacular," said **Ryan Chreist** (Kines'96; MPubAd'09), assistant vice chancellor and executive director of the alumni association. "Plus, Homecoming is the perfect time for alumni to reconnect with some of the best memories of their lives."

Find more information about the weekend's events, including how to register and purchase football tickets, at [colorado.edu/homecoming](http://colorado.edu/homecoming).

### STUDENT PHILANTHROPY MONTH

This spring, CU students helped raise \$20,000 during Student Philanthropy Month. The crowdfunding-focused drive, in partnership with the CU Boulder Alumni Association and the Herd Leadership Council, supported eight student groups on campus, including Engineers in Action, GlobeMed, Senior Class Council and Women's Hockey. Nearly 200 students also attended the Spring Philanthropy Fling, which raised funds for the participating groups.

### RENT KOENIG FOR A WEDDING OR EVENT

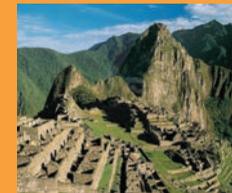
The Koenig Alumni Center, located on the southeast corner of Broadway and University Ave., is a unique Boulder venue for weddings, parties or gatherings

— large or small. The entire ground floor of the historic brick house, as well as the outdoor patio, tents and backyard, are available for events up to 200 people. CU alumni receive a 10% discount on bookings. Visit [colorado.edu/alumni/benefits](http://colorado.edu/alumni/benefits) for more information.

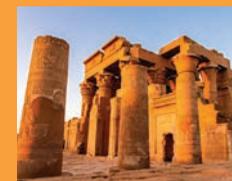
### CAREER GUIDANCE FROM CU BOULDER

CU Boulder is a resource for alumni in any type of career transition. Alumni Career Services offers graduates two free counseling appointments a year and several work-focused webinars and events. Plus, the Forever Bufs Network — a free social networking platform for CU alumni — contains job listings, mentors and professional connections. Visit [foreverbufsnetwork.com](http://foreverbufsnetwork.com) to join.

## 2023 TRIPS



**Machu Picchu to the Galapagos**  
Jan. 10-25, 2023



**Legends of the Nile**  
Jan. 31-Feb. 11, 2023



**Tahiti and French Polynesia**  
Feb. 28-March 10, 2023



**Singapore, Thailand, Angor Wat**  
March 21-April 3, 2023



**Springtime Coasts of the South**  
March 28-April 2, 2023

For more information about the Roaming Bufs travel program, email [roamingbufstravel@colorado.edu](mailto:roamingbufstravel@colorado.edu), call 303-492-8484 or visit [www.colorado.edu/alumni/roamingbufs](http://www.colorado.edu/alumni/roamingbufs).



## CU Making a Difference

In 2019, opera singer **Wei Wu** (MMus'13) won a Grammy for his role in the opera "The (R)evolution of Steve Jobs." It was the same year jazz saxophonist **Tia Fuller** (MMus'00) received a Grammy nomination for best jazz instrumental album, the second female solo artist to ever earn one in the category.

Both are featured in the CU Heritage Center's new exhibit, "CU Making a Difference," which honors the lives and accomplishments of a rotating cast of CU luminaries. Also on display are three of the five Nobel Prize medals awarded to CU faculty.

The exhibit is located on the third floor of Old Main and is free to the public.

In April, **Kim Christiansen** (Jour'84), voice of the Denver International Airport's famed train messages, visited the exhibit, which she is featured in.

"The other alumni featured in the exhibit are extraordinary, brilliant and changing the world," said Christiansen, lead anchor for Denver's 9News. "When I see their names and faces, I'm incredibly proud to be a CU grad. It's too bad I couldn't add 'Go Buffs' as a tagline to my DIA train messages."

A new Heritage Center exhibit honors the achievements of several CU Boulder alumni.



## Doing Our Part



Philip P.  
DiStefano

When we talk about climate change, it's easy to get caught up in the numbers. Degrees of warming. Tons of carbon. Feet of sea level rise. It's not that these measures aren't important

— they certainly are.

But the details that illuminate the climate change problem are the very details that obscure it and make it feel insurmountable.

I believe what's easier to visualize — and what leaves me more optimistic — is how humankind is envisioning solutions to climate change that benefit human life.

As poor air quality in Nepal began contributing to more deaths, **Prateek Shrestha** (MMechEngr'15; PhD'18) designed an air-monitoring drone to indicate when conditions are best to leave home.

When conflicts emerged between development and conservation in the forests of Brazil, CU Boulder students journeyed there to learn how to work at the intersection of science and policy.

Climate change directly impacts humanity. That's why I'm proud to co-host the Right Here, Right Now Global Climate Summit with the United Nations Office of the High Commissioner for Human Rights this December, with opportunities to participate on campus or online.

This summit seeks to make the problem tangible and visceral by focusing on how it impacts human rights and what

we can do about it. It will highlight how this multifaceted challenge is affecting the lives and livelihoods of individuals around the globe, particularly marginalized peoples and communities.

Through keynotes, panels and other events, the summit will focus on solutions and encourage participants to commit to solving this problem for all of humanity by taking action.

CU Boulder's long history of research, scholarship and innovation around climate change and sustainability, across the physical and social sciences, engineering, law, business, communication, athletics and more, ensures that our university community is prepared to lead, innovate and create impact in this important area.

Mary Robinson, former president of Ireland and former U.N. High Commissioner of Human Rights — and our first announced summit keynote speaker — put it eloquently in remarks several years ago before the London School of Economics: “The task of protecting future generations must start with ensuring fairness and equality in the current one.

“We will not succeed in fighting climate change and securing a safer world for future generations without first ensuring that the dignity and rights of all people alive today are respected and protected.” **PHILIP P. DISTEFANO IS THE 11TH CHANCELLOR OF CU BOULDER. HE IS THE QUIGG AND VIRGINIA S. NEWTON ENDOWED CHAIR IN LEADERSHIP, OVERSEEING CU BOULDER'S LEADERSHIP PROGRAMS.**

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### Day 3: Action

Identify policies and actionable solutions.

Right here, right now, is when we need to work together to solve the crisis that is affecting the most vulnerable among us.

## December 1–4, 2022

Learn more about the summit at  
[colorado.edu/globalclimatesummit](https://colorado.edu/globalclimatesummit).



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

## First Buff in Pro Football Hall of Fame

Cliff Branch revolutionized the wide receiver position with his extraordinary speed and quickness.

**O**n Aug. 6, 2022, **Cliff Branch** (A&S'71) will finally be commemorated in Canton, Ohio.

Branch, who died in 2019, played two years for the CU Buffs football team before a 14-year career in the NFL with the Oakland and Los Angeles Raiders (now the Las Vegas Raiders).

At CU, Branch starred in football and track. In two football seasons, he caught 36 passes for 665 yards (18.5 yards/reception) and rushed 31 times for 354 yards (11.4 yards/attempt). He scored 16 touchdowns in 22 games. In 1971, he led the Buffs to the No. 3 national ranking.

Branch also excelled as a sprinter in indoor and outdoor track. His 10.0 seconds in the men's 100 meters at the 1972 NCAA Outdoor Championships remains a CU record.

"Cliff came to CU as a track guy and through hard work and determination developed into a great football player — one of the most explosive and dynamic players I have ever been around," said former CU teammate **Jim Bratten** (Engl'71).

The Raiders drafted Branch in 1972, where he led the NFL in receiving yards and touchdowns by his third season. A four-time Pro Bowl player, he caught 501 receptions for 8,685 yards and 67 touchdowns throughout his career.

Branch was a deep threat to the competition on the famed Raiders teams that won Super Bowls in 1976, 1980 and 1983. John Madden coached him as he worked alongside all-time greats Ken Stabler and Jim Plunkett as quarterbacks. Branch's evasiveness helped inspire today's vertical offenses.

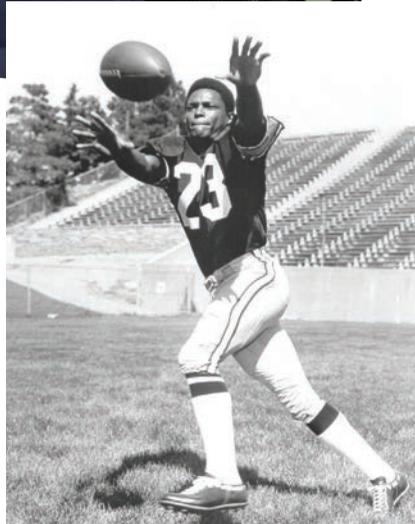
"Two guys would be coming together to hit him and he'd get through so fast that they'd tackle themselves," said **Larry Brunson** (A&S'71), Branch's teammate at CU and with the Raiders. "He was a walking highlight."

Branch was named to CU's Athletic Hall of Fame in 2010. Now, he is a Pro Football Hall of Fame 2022 senior selection, available to players who retired at least 25 years ago.

While Branch's play fed the Raiders' reputation for using speed as an advantage, he was humble and beloved off the field.

"[He] always let his play do the talking," said Bratten. "A tremendous football player and, yet, a better person and teammate."

**Cliff Branch**  
(A&S'71)



## Fifteen Lacrosse Seniors Graduate

Eleven seniors and four super-seniors played their last game for Colorado lacrosse on May 4. While the Buffs (11-6, 5-5 Pac-12) were upset 14-10 by Oregon in the first round of the Pac-12 Tournament in Tempe, Arizona, the 2022 season was a historic one. The Buffs entered the national rankings twice, reaching No. 19 in the *USA Lacrosse Magazine* poll. They beat three Top-25 teams, including a 12-10 victory at No. 10 Denver on April 27.

"This group is really important to me and our program," said head coach Ann Elliot Whidden. "Our fifth-year players came in and dealt with the death of **Julia Sarcona** (StComm'18). Then they went through **Aine Williams** (PolSci'22) getting really sick. Then COVID-19 and the challenges of the last couple of years. ... This team is a close team that cares about each other and plays for each other."

The Buffs earned three 2022 Pac-12 All-Conference selections. **Kate Burnside** (StComm'22) was First Team, and **Sadie Grozier** (Mktg'21) and **Charlie Rudy** (StComm'22) made Second Team. Rudy was named *USA Lacrosse Magazine* Division I Women's Player of the Week in early March.

## Bufs Bits

**Micaela DeGenero** (MTechCyb'22) won the mile run at the 2022 NCAA Indoor Track and Field National Championships in March. DeGenero moved from last to first in the final quarter-mile of the race to win the women's national title.

... **Magdalena Luczak** (Bus'26) won the women's individual national championship in giant slalom at the 2022 NCAA Ski Championships on March 10 in Utah. **Filip Forejtek** (CompSci'22) followed to win the men's individual giant slalom national championship. Forejtek was subsequently named National Men's Alpine Skier of the Year by the U.S. Collegiate Ski Coaches Association in April. ... Golf's **Justin Biwer** (Bus'25) was named to both the Pac-12 All-Conference Second Team and All-Freshman Team. ... **Ben Bettin** (Phys'23) won two national titles at the 2022 USA Triathlon Collegiate Club National Championships April 1-2 in Lake Lanier, Georgia: the Draft-Legal sprint-distance race and the Olympic-distance Collegiate Championship.

... "**Buffalo**" **Bill Harris** (A&S'64) died April 5 at the age of 79. Harris, a star running back at Colorado in the early 60s, became director of CU's Alumni C Club in 2001 and went on to serve nine years as its leader.

## STATS

# Three

Bufs named women's tennis All-Pac-12 Honorable Mention: **Megan Forster** (Psych'22), **Antoni Balzert** (Psych, RealEst'23) and **Caroline Pozo** (MStComm'22)

# 15:15.95

Eighth-best time in NCAA history in the women's 5,000 meters by **Abby Nichols** (MSOL'22) at the Mt. SAC Relays in Walnut, California, on April 15

# 5/6

Date men's basketball head coach Tad Boyle was named Head Coach of USA Basketball's Men's U18 National Team

# Twenty-One

ESPN's national ranking of CU football's 2023 recruiting class, as of May 9

# 27

Jaylyn Sherrod's (Soc'22) career-high points in women's basketball's season-ending loss to Creighton in the first round of the NCAA Tournament

### Coach Talk

**"IT'S ABOUT AS MUCH FUN AS I'VE HAD COACHING FOOTBALL IN QUITE SOME TIME."**

— Mike Sanford, CU football's new offensive coordinator and quarterbacks coach told BuffZone in April. He was hired in December.

# Defensive Anchor Excels On and Off the Pitch

Bufs soccer captain **Hannah Sharts** (Comm'20; MSOL'22) of Newbury Park, California, talks about playing every minute, scoring as a defender and how she's using her name, image and likeness to help promote female student-athletes.

**You began your collegiate career at UCLA. Growing up near Los Angeles with a mom who was an alum of the soccer program, did you always want to play at UCLA?**

UCLA was in my blood. It was special to follow in my mom's footsteps because she was part of the fight to get UCLA women's soccer to Division 1 (D-1). She essentially made it possible for me to play D-1 soccer at UCLA. She played on the club team, but never actually got to play D-1. I got to live her D-1 dream.

**When you explored transferring after two seasons, what about Colorado attracted you?** Colorado recruited me the first time around, but I hadn't visited the campus because I was focused on California schools. But the coaching staff here — they care so much about their players — and I love the Boulder community. Plus, I loved that it was in the Pac-12. The coaches believed in me, and that's something that I didn't get as much at UCLA.

**Since joining the CU team, how has your role changed?** It's a big adjustment going from not getting many minutes to being thrown into the

highest intensity games. I tried to be a sponge and learn from the players around me — not overstep boundaries and work hard. Going into my super senior year, I have all of these different experiences. From being on the bench at UCLA to taking on a more substantial role here, I try to be the best example I can be.

**Can you describe your responsibilities as a defender?** I'm right in front of the goalkeeper. My job is to cover for everyone else. It's high risk. You have to be cautious of where you are at all times and organize those around you, like the goalie does, but you're higher up the field. And I like to score, too, so I'm lucky because I go up for set pieces and corner kicks.

**The last two years you've upped your points scored. How are you able to score or assist on goals while still anchoring the defense?** I'm very hard on myself in terms of corner kicks. I'm trying to convert those, whether it's heading it across to someone or finishing it myself. I believe I'm going to score every time I go up there. Scoring is a mentality you need to have. It's a hunger.

**Is there a lot of pushing and shoving in the box?** I get fouled a ton. People pinch me, stomp on cleats. It gets rowdy. I've been trying to work on my vertical to give me an edge. If I can jump higher and be above everyone else with my size, it'll help. But it's a battle for sure.

**You've led the team in minutes played over the last two seasons. How do you**

**stay fresh?** A ritual I have is to drink beet juice before games. It helps prolong muscles from getting tired. But, honestly, I have so much love for the game that I'm not thinking I'm exhausted because I'm so grateful to be there.

**What does it mean for you to be the first CU soccer player to win First Team Academic All-America by the College Sports Information Directors of America?** My parents were very good in school, and I try to make them proud. My grandpa used to tell me that you need to do three things in life: brush your teeth, do well in school and get A's and no tattoos. I received

that award in July. It was a few months before he passed. He was the first person I sent it to, and he loved it.

**In March, Fowler Auto signed name, image and likeness (NIL) partnerships with you and eight other CU student-athletes. How did that come about?**

I wasn't looking for NIL deals. I didn't want to make anything about me or distract from the team. But Fowler messaged me. I signed with them because I love that they were only signing female student-athletes and putting more female student-athletes on the map. That struck me. I am passionate about women in sports, and I'm

involved in clubs on campus focused on that.

**What are you looking forward to with your final season for the Buffaloes?** It's going to be emotional. I'm looking forward to taking this team further than we have been before. That's everyone's goal. It was heartbreaking not to make the playoffs last season.

**What are your plans for after graduation?** It's my dream to play professionally. I would love to get drafted in the NWSL, the women's pro league. But if not, I'd be open to overseas opportunities to see a new culture and experience soccer on a different side of the world. INTERVIEW BY ANDREW DAIGLE.



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# CLASSnotes



About 25,000 people attended the 2022 Commencement Ceremony held in Folsom Field.

**'56** In April, a documentary film about distinguished film and television composer **Dave Grusin** (Mus'56; HonDocMus'89) played at the Boedecker Theater in Boulder. The film, *Dave Grusin: Not Enough Time*, was created by **Barbara Bentree** (MusEdu'80) and has been screened

at several film and music festivals. Dave — who has a filmography of nearly 100 titles — is co-founder of jazz record label GRP Records. He has won 10 Grammys out of 38 nominations and one Academy Award out of eight nominations. He lives in Santa Fe, New Mexico.

**'57** Beginning in May, 78 collages of artist **Jean Conner** (MFA'57) were featured at the San José Museum

of Art in her first solo show, “Jean Conner: Collage.” The exhibition opened one week before her 89th birthday. The collages date from 1967 to 2021 and will be on display through the end of September. Jean lives in San Francisco.

**'59** Former campus cartoonist **Robert (Bob) Harvey** (Edu'59) wrote that The Sink is his favorite place in Boulder. “The

thing about The Sink that intrigued me as a cartoonist were the walls, which were decorated with cartoony drawings of people doing all sorts of cartoony things,” he said. “Some things, I’m happy to say, don’t change — and don’t deserve to.” Bob resides in Commerce City, Colorado.

**'67** On Feb. 5, 2022, Denver County Court senior judge **Gary Jackson** (PolSci'67) became the seventh African American judge to be inducted into the Blacks in Colorado Hall of Fame. For the eight years prior to his retirement in 2020, Gary served as a Denver County Court judge. He was a practicing lawyer for 43 years before working with the Denver County Court. “I’m humbled because I know

War in 1968, he was unable to attend his commencement ceremony. More than 50 years later, he was recognized during the Spring 2022 commencement, receiving a standing ovation from the crowd of more than 25,000 in Folsom Field. During the war, Frank worked as editor of a military newspaper in Cam Ranh Bay, Vietnam. Once he left the army, Frank worked in System Engineering at GTE and later AT&T Mobility. “Many brilliant people and great instructors at CU gave profound meaning to my experience of a college education,” said Webb. “And I was always deeply involved in the fine thinking — and debate — of my peers. I never missed a single CU football home game

**FORMER CAMPUS  
CARTOONIST BOB HARVEY  
WROTE THAT THE  
SINK IS HIS FAVORITE  
PLACE IN BOULDER.**

that I walked on the path paved by those before me and grateful to those who supported me on my journey to forge greater opportunities within the legal field,” said Gary. After his retirement, he joined his wife, Regina, at Action Jackson Realty, becoming the company’s vice president of marketing. He lives in Denver.

**'68** When **Frank Webb** (PolSci'68) was drafted to the Vietnam

at Folsom Stadium,” he said. He lives near Snohomish, Washington.

**'69** *The Eye of the Leopard*, written by **Brian Hayden** (Anth'69), was published in February. The novel, written for young readers, draws upon Brian’s archeology and anthropology expertise to tell the story of Sev, a young boy living during the Upper Paleolithic Age. Throughout his career,

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Brian has researched on four continents, striving to understand hunting-and-gathering cultures. Brian is a professor emeritus of archaeology at Simon Fraser University and honorary research associate of the anthropology department at the University of British Columbia. He was inducted into the Royal Society of Canada in recognition of his articles, books and research. Brian resides on Cortes Island in British Columbia.

**Max Ernst Riedl-sperger** (PhDHist'69) participated in the Spring 2022 Commencement ceremony alongside his two grandchildren **Ben Lemiere** (Econ'21) and **Emily Lemiere** (Comm'22). After defending his dissertation in August 1969, he missed his official graduation ceremony in June 1970 as he was already working as an assistant professor at Cal Poly. His grandson Ben’s in-person CU ceremony was canceled because of the COVID-19 pandemic last year, so the trio decided

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to attend together this spring. Max is retired and lives with his wife in San Luis Obispo, California.

**'70 Kerry Feldman** (MAnth'70; PhD'73) of Anchorage, Alaska, has been a professor emeritus of anthropology at the University of Alaska Anchorage since 2010. His book *Alice's Trading Post: A Novel of the West* was published in January 2022. The novel took him 30 years to research and write. His Buff daughter, **Brie Anderson-Feldman** (Anth'01), is a successful therapist, mother and wife.

**'72 Artist Barbara Takenaga** (Art'72; MFA'78) creates swirling, kaleidoscopic abstract paintings through use of acrylic paint. Barbara received a 2020 Guggenheim fellow-

ship and is a member of the American Academy of Arts and Letters, an honors society that promotes excellence in the arts. Both her independent and group work has been exhibited throughout the country, including in New York, Colorado, California and Maine. Her work was last exhibited at the Robischon Gallery in lower downtown Denver. She lives in New York City.

**'73 Wounded Workers: Tales from a Working Man's Shrink**, the first book written by **Bob Larsen** (MCDBio'73), received the Nonfiction Authors Association's gold award. Through stories, this book details the physical and mental effects many American workers experience as a result of doing their jobs. Bob is

a clinician and forensic psychiatrist who specializes in assisting cops, bank tellers, firefighters, farm workers and executives deal with traumatic events. He lives in Santa Fe, New Mexico.

**'75 Librettist Mark Campbell's** (Thtr'75) work continues to be exhibited across the country. Performed so far this year are the oratorio "Sanctuary Road" and operas "Approaching Ali," "The (R)evolution of Steve Jobs" and "The Shining." Mark has received numerous awards for his work including a Pulitzer Prize in music for "Silent Night" and a Grammy Award for Best Opera Recording for "The (R)evolution of Steve Jobs" He has created 40 opera librettos and the lyrics for seven musicals. He lives in New York, New York.



In the lead-up to commencement, graduates signed their names on a celebratory banner.

## FIVE QUESTIONS



## Life at Shondaland



Sara Fischer

**Sara Fischer** (Advert, Engl'78) got her start in the entertainment industry as the "gal Friday" at a sports agency, and then spent time in live television and commercials. One of the first women hired in the sports division at CBS, Fischer's over 30-year career has included executive positions at Showtime and ABC Studios. She joined Shondaland — the production company behind *Grey's Anatomy* and *Bridgerton* — as head of production in 2016 and has used her platform to empower others in front of and behind the camera since.

**What was the best part of your CU Boulder experience?** The friendships that came out of it. CU is a beautiful place. Two of my three children are CU graduates, also.

**How was your Hollywood journey unique?** I've never met anyone who started in live TV, and then moved to scripted TV. In live television, if you make a mistake, you can't take it back. In

scripted, there's always a take two, take 10, take 20. So, once you work live, you become calm for everything else.

**What does your daily work look like now?** From production issues to personality issues, every day is completely different when you're responsible for hundreds of people. The film business is one of relationships, and you have to be kind to every-

one. My best attribute is being a connector, remembering who does what, and staying friendly with people.

**Shows like *Bridgerton* and *Inventing Anna* center the stories of women and people of color. What's the importance of telling these stories?** We get to tell the stories that should be told, and it's so empowering. We've been able to change the culture in a lot of ways that are now emulated by others that aren't just in front of the camera. We try to make our sets look like the world today.

**Are there other ways you promote the advancement of marginalized people on the production side?** I'm a co-founder of 11N4 — a coalition of working disabled professionals in Hollywood. I have MS (multiple sclerosis), but I covered it for years. A lot of people with visible disabilities can't. The name 11N4 comes from the fact that 25% of adult Americans are disabled in some way. We're trying to normalize disability in front of the camera and behind the lens. Anyone can do a show. When you get to this point in your career, you can open your mouth and say what has to be changed. What you can give back is the most important part. And then change it! What I am able to give back to my industry has always been the most important part to me. INTERVIEW BY JESSI GREEN

# CLASSnotes



Graduates pose for photos on Norlin Quad prior to the spring commencement ceremony.

**'80** The documentary *Dave Grusin: Not Enough Time*, created by **Barbara Bentree** (MusEdu'80), was screened April 5 at the Boedecker Theater in Boulder. The film honors **Dave Grusin** (Mus'56; HonDocMus'89), a distinguished film and

television composer who co-founded GRP Records, a jazz record label. This film has been screened at various film and music festivals, and won the best documentary award at the Rome Independent Film Festival in Italy. Barbara lives in Santa Fe, New Mexico.

office in downtown Boulder. **Vern Norviel** (ChemEngr'81) and **Tony Jeffries** (Fin'89), partners with the firm, are leading the team at the new location. Wilson Sonsini provides legal counsel regarding life sciences, technology and growth enterprises. Vern works in Wilson Sonsini's patent and innovation group, and Tony works in the firm's corporate practice group.

**'81** In February, legal services firm Wilson Sonsini Goodrich & Rosati opened an

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**'82** In October 2021, **Seth A. Darst** (ChemEngr'82) received the Gregori Aminoff Prize from the Royal Swedish Academy. He was recognized with Elena Conti and Patrick Cramer for

her grandchildren and her rescue cats, this chapter book for second graders teaches readers about other countries and self-reliance. Jenny hopes to inspire people to accomplish their goals regardless of

cepted a position as principal at Avison Young in Chicago. Steven focuses on lease negotiations, acquisitions and dispositions and landlord and tenant representation. He was also named to the USA Maccabi Masters Hockey team for the second time, where he will be one of 1,100 Jewish athletes representing the U.S. Maccabi USA connects the Jewish community and builds pride through sports. Steven resides in Glencoe, Illinois.

**JENNY HOPES TO INSPIRE PEOPLE TO ACCOMPLISH THEIR GOALS REGARDLESS OF THEIR AGE.**

their investigations into cellular systems for the production, transport and quality control of RNA. This award recognizes individuals within the field of crystallography, the study of atomic structures in solid materials. Seth is a professor at Rockefeller University and resides in New York City.

their age. Her sister, **Susannah Glidden Lusk** (Psych'72), and brother **Jocelyn Cheney Glidden** (Phil'68) attended CU Boulder as well. Jenny lives in Atlanta, Georgia.

**'89** Fox Rothschild nationwide construction practice named **Patrick Casey** (PolSci'89) co-chair. Patrick is a trial attorney, the managing partner at the firm's Denver office and is a member of the firm's executive committee. He deals with cases involving construction, insurance, real estate and litigation. Patrick was recognized by *Chambers USA* for construction in 2021 and was named to the Colorado Super Lawyers list by

**'83** Intellectual property law firm Hamilton Brook Smith Reynolds elected **Mary Lou Wakimura** (ApMath'83) as chair of its board of directors. Mary Lou plans to use her 35 years of experience at the firm and her patent prosecution and operational expertise in her new role. She lives in Atkinson, New Hampshire.

**'86** The 2022 Distinguished Landscape Practitioner Award was awarded to **David Theobald** (Geog'86; PhD'95) by the North American Chapter of the International Association for Landscape Ecology. David works as a research scientist in Fort Collins at Conservation Planning Technologies, a company he founded in 2013 to address challenges in conservation planning through use of spatial analysis and earth systems data and design. He focuses on land-use trends in the U.S.

**'84** In December 2021, **Jenny Glidden Guberman** (Fren'84) published her first book, *Chattahoochee Cats*, which was edited by **Sydney Chinowsky** (Engl'16). Inspired by

**'87** After serving as executive vice president at Colliers International, **Steven Kohn** (Fin'87) ac-

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Construction Litigation from 2019 to 2022.

**'90** New York City resident **Dorie Hagler** (Film, PolSci'90) is producer of the documentary *8x10*, a film about solitary confinement. For seven years, Dorie documented the re-entry of Johnny Perez into society. Johnny spent 13 years in prison, including three in solitary confinement, and is now dedicated to ending the practice of solitary confinement. Dorie called upon her former Baker Hall resident advisor and friend **Kevin Corke** (Jour'88; MA'02) to help advise her on the film. Learn more at [eightx10.com](http://eightx10.com).

**'91** Right at Home, an in-home senior care company, elected **Margaret Haynes** (MBA'91) as CEO. With 25 years of experience, Margaret will continue to grow

the company through job creation and expansion. She lives in Bellevue, Nebraska. **Mark Solomon** (MEIEngr'91) was named president of intellectual property law firm Hamilton Brook Smith Reynolds. He specializes in intellectual property rights and has won various awards for his work. He also served as president and founding co-chair of the Boston Patent Lab Association. He lives in Brookline, Massachusetts.

**'94** This spring, **Jennifer Alsever** (Jour'94) published her fifth young-adult fiction book, *Burying Eva Flores*. The novel, which takes place in Paonia, Colorado, depicts a war between two teen girls that spins out of control when one of them discovers an ability to write her own future. Jennifer, a resident of

Eagle, Colorado, is a freelance writer and has contributed to *The New York Times*, *The Wall Street Journal*, *Fast Company*, *Fortune*, *Inc.*, *Wired* and others. In 2016, she published the *Trinity Forest Series*, a young adult trilogy, and, in 2020, *Extraordinary Lies*, a young-adult novel about psychic testing at Stanford Research Institute in the 1970s.

**'95** Solar physicist **Martin Snow** (PhDAstroPhys'95) became the first SARCHI research chair at the Space Weather Centre of South Africa (SANSA) in Hermanus, South Africa, in 2021. Martin researches ultraviolet solar spectral irradiance and serves as an investigator and instrument scientist for space missions. He was also a part of the Solar-Stellar Irradiance Comparison Experiment (SOLSTICE).



In the lead-up to commencement, graduates signed their names on a celebratory banner.

## FIVE QUESTIONS

# Career Change, Mid-50



Mark Whelan

At the age of 54, **Mark Whelan** (Hist'87; MEdu'18) quit his corporate job of 15 years to pursue teaching. After earning a master's degree in urban education at CU Denver, he began as a seventh-grade social studies and language arts teacher at Aurora Quest K-8 in Aurora, Colorado. Here, Mark offers insight into what it's like starting a new career in your fifties.



**What was your favorite part about your time at CU?** CU is where I met all my best friends in life. I remember my time there very fondly. I was part of a team that won the Trivia Bowl in 1988, and that's still one of my favorite accomplishments. I still have very strong ties to CU, and both my kids, **Tavish** (EnvSt'19) and **Maddie** (Psych'19), graduated from CU, too.

**What pushed you to change careers recently?** I worked a corporate job for 15 years. It wasn't the best job, but as a single dad, it allowed me to be a better father to my children. Then, my kids graduated and I met this really wonderful woman.

I had talked about becoming a teacher often, and one day she said, "Why don't you move in with me and go for it?" It was just one of those moments of clarity. I didn't want to be one of those people who woke up in my 70s and thought, "What if I had done this?"

**Why teaching?** When my parents got divorced, the people who influenced me most were my teachers. That really drove this urge, and finally I had to see it through. Watching my kids grow up, and the kids I met through them, also contributed to my desire to get into teaching. I believe there are a lot of great kids in this generation.

**What's the most rewarding part of your job?** It's definitely helping students. Seventh grade is a really awkward and tough year in life. Being able to guide someone in their early teens and help steer their ship towards the right path has been really rewarding for me. And my students make me a better person, too. There will be days where I am dead tired or distracted by something, but every time I come in and feel like I don't have anything to offer, my students always lift me up — always.

**Do you have any advice for someone considering a new career?** Taking this chance on myself allowed me to have a better life. I think you have to call your own bluff in life, and you have to work hard to make things happen. God forbid, if I keeled over today, I would know that I went out doing what I was meant to do on this Earth. There's this quote by Teddy Roosevelt. It's a little corny but it says, "Far and away the best prize that life has to offer is the chance to work hard at work worth doing." INTERVIEW BY ALEX MCMILLAN (ENGL, ENVST'23)

# CLASSnotes



About 25,000 people attended the 2022 commencement ceremony held in Folsom Field.

**'00 Scott Martinez** (Econ, IntIA'00) was named Top Latino Lawyer by *Latino Leaders* magazine. He is a business and government law attorney and managing partner of his Denver firm, Martinez and Partners.

**Keith Soriano** (Mgmt'00) was named regional director for the Professional Golfers' Association of America (PGA). Keith oversees the Mountain and Midwest Region — including Colorado and 11 other states in the region — which serves more than 3,000 PGA members and associates. He received his MBA from Louisiana State University.

**'01 In August, Maria Coady** (PhDEdu'01) will join the North Carolina State College of Education as the inaugural Goodnight

Distinguished Professor of Educational Equity. Prior, Maria worked at the University of Florida's College of Education as the Irving and Rose Fein Endowed Professor of Education and professor of English speakers of other languages (ESOL) and bilingual education. Maria focuses on literacy and language development for rural multilingual students.

**'02** Freelance writer and editor **Heather Mundt** (MJour'02) published her first book, *Colorado Family Outdoor Adventure*, in May. The book details more than 60 destination options, sorted geographically and with rankings of difficulty and age-appropriateness. Her two sons are featured throughout the book. Heather thanks Doug Cosper, her favorite CU journalism professor, in her book's acknowledgments section.

Executive producer of Colorado Public Radio's

Audio Innovations Studio, **Brad Turner** (Jour, Mus'02), contributed to the podcast "Music Blocks," which won the "Best Podcast for Kids" Ambie award. "Music Blocks," geared for middle and high schoolers, explores how songwriters and composers express emotion through sound.

**'03** CU Boulder's study abroad program brought **Heather Corinne Cumming** (Hum'03) from Norwich, England, to the U.S. Peace Corps, where she served as a volunteer from 2004 to 2006 in Zambia. She founded her own organization in 2009 that serves remote villages in rural Zambia, rural Sierra Leone and formerly the border point of Ethiopia-South Sudan with water wells, clean and sustainable water year-round and simple irrigation systems. She is looking to begin a project site in North Sudan or Mali. Learn more about her work at ssaap.

org or email her at ssaap.africa@gmail.com.

Attorney **Payal Salsburg** (MCompSci'03) received the 2022 community service award from the Asian American Lawyers Association of Massachusetts. An attorney at the Boston law firm Laredo & Smith, Payal focuses her practice in the areas of business litigation, corporate advice and counsel and white-collar criminal defense.

**'04** Cerno, a lighting business, was started by **Bret Englander** (Jour'04) — resident of Laguna Beach, California — and two of his childhood friends. Cerno products are inspired by nature and manufactured in California. Bret serves as the company's director of sales and marketing.

**'05** After working as a contractor for Amazon Web Services, **Lauren Glendenning** (Jour'05) joined the company full time in January as global communications manager on the employer brand team. Prior, Lauren was director of content and communications for PowerPublish, a small content marketing startup. She also worked at Swift Communications for more than 13 years, with roles including content marketing director, editor-in-chief at *The Aspen Times*, editorial projects manager at Colorado Mountain News Media and senior reporter and assistant managing editor at the *Vail Daily*.

**'08** HBO Max cast **Christopher Maller** (Advert'08) of Denver for its new series

*Swiping Across America*. The show started filming in Boulder in April and will culminate in Honolulu.

After obtaining his license to practice psychology in New York and New Jersey in 2021, **Steve Pappalardo** (Psych'08) is working with children, adolescents and adults as a clinical neuropsychologist and psychologist. Steve earned his doctorate degree in clinical psychology from Fairleigh Dickinson University and later completed a two-year postdoctoral fellowship in clinical neuropsychology.

On March 7 founder and CEO of Urban Golf Performance (UGP) **Mackenzie "Mac" Todd** (Psych'08) announced his partnership with golfer Collin Morikawa, who, in May, was No. 3 in the Official World Golf Ranking. Drawing from his own experiences during his golf career, Mac founded his company to help golfers of all abilities improve and nourish their love of golf. UGP currently has a staff of 50 employees and four locations across California. Mac resides in Carmel Valley, California, with his wife and three children.

**'09** **Courtney Claghorn** (Mgmt'09) and **Sam Offit** (Econ'09) married on March 2 at the Malliouhana Resort on Anguilla, a Caribbean island. The couple met at CU. Sam lived in the Cheyenne Arapaho residence hall, the same that Courtney's mom, **Colleen DalSanto Ryan** (Fin'78), lived in 30 years prior. The couple started

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a business more than 10 years ago, Sugared + Bronzed, which is now the nation's largest sugaring and airbrush tanning business. The company received its first round of investment funding in early 2020.

**Andrew Keese** (Film'09) is vice president of the Boulder-based venture capital firm Trailhead Capital, which invests in endeavors related to regenerative food and agriculture. **Mark Lewis** (MBA'11) and **William "Tripp" Wall** (Phil'97) serve as managing partners at the firm.

Red Bull's "Wakeboards & Waterslides," directed by **Jonny Zeller** (Film ex'09), won a Gold Telly Award, which recognizes exemplary work across television. Jonny also second-unit directed *Deadly Illusions*, which was a global hit on Netflix. He directs campaigns for big name brands like Google, AT&T and Toyota. Jonny credits the CU film school for teaching him about avant-garde filmmaking and fostering his artistic sensibilities.

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## '10 Corbin Clement

(Mktg'10) is a digital analyst for the ecommerce team at Specialized Bicycle Components. The new position allows him to return to the Denver area after spending two years at Salomon's North American headquarters in Ogden, Utah.

## '12 Chris Bilton

(Econ'12), a private wealth advisor for Merrill Lynch, was named to the 2022 Financial Planning "Top 40 Advisors Under 40" list. Chris co-founded PLB & Associates, and is a member of the executive board for Barrington Children's Charities.

'13 The.com, a user-friendly website building platform with \$4.4 million in funding, was founded by **Jeff McKinnon** (Econ'13) and his brother. The platform allows for community website building and remixing. Before founding their business, Jeff began website building as a freelancer. While at CU Boulder, Jeff was the president of the CU Alpine Club.

**Kate Kohnen Krukowski** (Phil'13) joined Quarles & Brady as an associate in the law firm's Phoenix office. Kate is experienced in personal injury, wrongful death and criminal defense lawsuits and has represented clients in areas such as breach of contract and fiduciary duties, employment disputes, construction litigation, negligence and products liability.

## '17 Brothers Sean Chenoweth

(EnvSt'17) and **Wylie Chenoweth** (ChemBioEngr, MCDBio'12) founded Aircada, an industrial augmented reality HMI (human machine interface) and SCADA (supervisory control and data acquisition) company, which helps maintenance and manufacturing teams simplify their operations. Wylie taught industrial automation after graduating from CU, and saw a need for industrial technicians to have better access to their facility's data. Aircada offers augmented reality displays of plant data so workers can point their camera at their equipment and see 3D meters, machine schematics, maintenance records and other documentation. Visit [aircada.com](http://aircada.com).

'18 The book *Activist Media: Documenting Movements and Networked Solidarity* by **Gino Canella** (PhDComm'18), published in May, details Gino's documentary filmmaking with activist groups Black Lives Matter 5280 and Denver's Service Employees International Union Local 105. Gino is an assistant professor of journalism and media studies at Boston's Emerson College.

'19 Founder and CEO of Auguste Research Group, LLC, **Donna Auguste** (PhDTechMedSoc'19) works with drones to create more STEM career opportunities in aviation within underrepresented communities. She is also

working to use drones as mobile sensor platforms and transport vehicles. For more information on Donna's company, which is located in Oceanside, California, visit [auguste-researchgroup.com](http://auguste-researchgroup.com).

Pianist **Mina Gaji** (DMA'19) and her husband Zachary Carrettin, a violinist and conductor, released a CD in April with the Sono Luminus label. They run the annual Boulder Bach festival, which occurred in May. Mina also founded and is artistic director of the Boulder International Chamber Music Competition.

An F-15 Strike Eagle weapons systems officer, lieutenant **Magen Olander** (Russ'19) is stationed at Seymour Johnson Air Force Base in Wayne County, North Carolina. She credits the CU ROTC program with teaching her the importance of balancing her studies, work and personal life.

'20 Former editorial assistant for the *Coloradan*, **Joshua Nelson** (Jour'20) is the city government reporter for the *Santa Maria Times* in California's central coast. His partner, **Liesel Saldivar** (EnvSt'22), graduated in May.

'22 Artist **Amy Hoagland** (MArt'22) received a \$10,000 fellowship grant from the Windgate Foundation for her work with sustainability through art. Amy couples traditional materials with new technology to create her art. "I seek to create new ways of seeing and conversing about our position within nature," said Amy.

## FIVE QUESTIONS



## Capturing the Land of Hopes and Dreams



Lars Gesing

When **Lars Gesing** (MJour'15) moved to the U.S. from Germany in 2013, he became enamored with the American West. After spending several years traveling America as a reporter, Gesing turned to photography to spend more time exploring his new home country. His gallery, Lars Gesing Fine Art Nature Images, opened in Seattle in March 2022. His work has been shown worldwide, including in San Francisco, Vienna and Athens.

**What are some highlights from your journalism career?** For a few years, I worked as a TV news producer in Washington, D.C., for the German public broadcaster ARD. I covered the big political stories of our time, including the consequential 2016 election and its aftermath. My favorite piece I worked on during that time was a feature documentary about how climate change already impacts the coastal communities of Alaska's native peoples.

**What inspired you to switch from reporting to photography?** Once

I moved to Boulder from Germany, my camera quickly became my vehicle to translate the wild and foreign lands of the West into something I could understand — a photograph. But it was during a two-week trip to Alaska while we produced our documentary that I realized the real voice I wanted to listen to was that of the land itself.

**Coming from Germany, what aspects of the American West keep you here?** The American West for centuries has been a land of hopes and dreams for fortune-seeking people from across

the world — myself included. It's a timeless land of intense beauty and mystery that has maintained this aura that it's a place where hard work and a healthy dose of risk just may be rewarded with the life of your dreams.

**Which of your photographs is your favorite?** A few years ago, I was photographing the bison herd in the Rocky Mountain Arsenal National Wildlife Refuge during the first snow of fall. As the snowfall thickened, something moving happened: Individual small units of bison moved closer together to shield each other from the raging storm — like a family does in hard times. The resulting image, "Family Bonds," is my favorite for that reason: It is a show of the strength of family, even if those bonds are stretched across oceans and continents, like they are in my case. And of course, as a lifelong Buff, there really was only one answer to this question!

**What do you hope people glean from your art?** I have dedicated my creative life to searching the grand natural beauty of the American West, this land of opportunity and perpetual hopefulness, for moments that encapsulate what it means to feel truly at home: moments of comfort and awe, of raw beauty and genuine happiness, of silent reflection and cherished togetherness. INTERVIEW BY CHRISTIE SOUNART (JOUR'12)

# INmemoriam

## 1940s

Nancy Evans Modesitt (Edu'41)  
Patricia Merrill Morey (Mus'43)  
Gloria Talpers Trotsky  
(MusEdu'43)  
Charles R. Hughson  
(MechEngr'44)  
Rowland E. Brown (AeroEngr'45)  
Virginia Veach DuBois (Bus'45)  
Dorothy J. Durr (MusEdu'45)  
Josephine Auner Barnes (A&S'46)  
Richard H. Hittle (A&S'46)  
Betty Farley Marquand (Mus'46)  
Sheldon C. Plotkin (EIEngr'46;  
AeroEngr'49)  
W. F. Albers (MechEngr'47)  
Kathaleen Yelonek Cook (Mktg'47)  
Charles N. Daigneault (EIEngr'47)  
Michael R. Ferrell (A&S'47; MD'52)  
Harold Lee (Art'48; MEdu'53)  
Billy R. Myers (Bus'48)  
Louise Reeder Seeton (A&S'48)  
Stanley J. Talpers (DistSt'48;  
MD'53)  
Howard B. Demuth (EIEngr'49)  
Louise Dunn Fielder (A&S'49)  
Shirley Keim Gates (Jour'49)  
Mark G. Mueller Jr. (EIEngr'49)  
Russ Watt (A&S'49)  
Jean Swanson Wilmesmeier  
(BusEdu'49)

## 1950s

Richard T. Barker (Mktg'50)  
William F. Carlyle (Pharm'50)  
Audrey Fisbeck Galambos (PE'50)  
James W. Henry (MusEdu'50)  
Frederick D. Johnson (Econ,  
PolSci'50)  
Ernest L. Martin (Jour'50)  
Harriet Froese Speck (DistSt'50)  
Stanley I. Stein (Pharm'50)  
Donald D. Wisdom (MechEngr'50)  
William R. Alexander (Law'51)  
Ben F. Chaney (Acct,  
MechEngr'51)  
Robert E. Dreith (PE'51)  
Richard F. Irion (Fin'51)  
Carol Maurek Kelly (A&S'51)  
Richard H. Kelly (MechEngr,  
Mgmt'51)  
Barbara Beuttas Leverenz  
(A&S'51)  
Ruel C. Mercure Jr. (A&S'51;  
MPhys'55; PhD'57)  
Barbara Woolums Payne (Art'51)  
Barbara Leigh Rees (Geol'51)  
Barbara Schlutius Shell  
(Pharm'51)  
Richard M. Symes (MechEngr'51)  
Barbara Ann Teets (A&S ex'51)  
Patricia Saylor Tobey (A&S'51)  
Carol Hachtmann Burns  
(Pharm'52)  
M. Mercer Cross III (Jour'52)  
Annette Markham De Lauro  
(Art'52)  
Joanne Poole Haupt  
(MedTech'52)  
John S. Marshall Jr. (Econ,  
PolSci'52)  
Bill G. Moomey (MFA'52)  
Sherman I. Rich (Pharm'52)  
Richard C. Ryder (Mgmt'52)

Janet K. Schoeberlein (IntIAf'52)  
F. Carrington Weems II  
(MechEngr'52)  
Shirley Gloyer Christiansen  
(Bus'53)  
Carolyn Jones Demshki (Mktg'53)  
Robert E. Losey (A&S ex'53)  
Janice Lampe McVicar (A&S'53)  
Frederick C. Pneuman  
(CivEngr'53)  
Russell S. Pugh (Acct'53)  
David W. Dodgen (EngrPhys'54)  
Lee W. Forker (EIEngr'54)  
Joseph D. Heumphreus (Engr  
ex'54)  
Don W. Mitchell (Acct'54; Law'57)  
Sally Newman Williams (MA&S  
ex'54)  
William D. Craig Jr. (EngrPhys'55)  
Barbara Prosch Cullings (Edu'55)  
Alabama Glass (CivEngr'55)  
Allen W. Holmes Jr. (MGeol'55)  
David T. Lewis (Mktg'55)  
Anne Wood McGowan  
(HomeEcon'55)  
Jean Hutchinson Saunders  
(A&S'55)  
Patricia Ferris Vickery (Psych'55)  
Jack A. Brendlinger (Mktg'56)  
Cosimo D. DeCarlo (Mgmt'56)  
Richard R. Helin (ChemEngr'56)  
Gerald R. Leopold (Pharm'56)  
Marion T. Millett (MGeog'56)  
Rodric B. Schoen (Hist'56)  
Charles E. Stockdale (Fin'56)  
Wendell A. Wickstrom  
(AeroEngr'56)  
Curtis A. Younts (ChemEngr'56)  
Thomas W. Bradley Jr.  
(MechEngr'57)  
Roy A. Cunniff (ChemEngr'57)  
Barry F. Devine (Mktg'57)  
Duane J. Mikow (MMusEdu'57)  
Martha Howland Roe  
(MedTech'57)  
Roger R. Ryan (EIEngr'57)  
Russell J. Schroeder (Mgmt'57)  
Roger L. Simon (Mktg, Law'57)  
John P. Stroud (Acct'57)  
John M. Baldessari (Geol'58)  
Paul E. Carrick Jr. (Art'58)  
George D. Ficke (Fin'58)  
Patricia Roberts Lieser (A&S'58)  
Gloria Mallin (A&S'58)  
Charles L. Shom (PE'58)  
Gilbert L. Summers (A&S'58)  
De Wain A. Valentine (Art'58;  
MFA'60)  
Arlen S. Ambrose (Mktg'59)  
Francis "Frank" P. Byrne  
(EIEngr'59)  
Richard J. Darst (ArchEngr,  
Bus'59)  
Susanne H. Davison (IntDes'59)  
David K. Engen (MechEngr'59)  
Donald E. Fordyce (A&S'59)  
Roger N. Hardesty (MechEngr,  
Mgmt'59)  
Dale R. Harris (Math'59)  
Donald W. Jordan (A&S'59)  
Robert G. O'Neill (MFA'59)  
Paul C. Nelson (Mktg'59)  
Patricia McCartney Sprague  
(Edu'59)

Walden Swank (A&S ex'59)  
Don W. Warembourg  
(MechEngr'59)  
Otis H. Willoughby (A&S'59)

## 1960s

Alex B. Campbell (MMusEdu'60)  
Donald A. Dalton (EIEngr'60)  
Charles E. Livran Jr. (Bus'60)  
Ernest F. Lombardi (Geol'60)  
John R. Mays (CivEngr'60;  
PhD'67)  
Donald R. Avoy (A&S'61)  
Rendall P. Ayers (Jour'61)  
Barbara Carson Bach (DistSt'61)  
Elspeth J. Bannerman (MA&S'61)  
Marcella C. Barlow (MMusEdu'61)  
Joseph B. Blake (Law'61)  
Jay L. Gueck (A&S'61; Law'63)  
William H. Heller (Mgmt'61)  
Charlotte S. Kilpatrick  
(MMusEdu'61)  
Hazel Y. Lawrence (MEdu ex'61)  
Judith Becker Mackenzie (A&S ex'61)  
Lynn D. Mobley (A&S'61)  
Bonnie Black Robb (A&S'61)  
Richard S. Onufrock (Pharm'61)  
R. David Smith (Bus'61)  
Patricia Gormely Cabe (Edu'62)  
George J. Cerrone (A&S'62)  
David A. Engen (Mktg'62)  
Charles H. Gustafson (EIEngr'62)  
John D. Hawley (CivEngr,  
Mgmt'62)  
Ann W. Kane (A&S'62)  
Richard C. Kearney II (Acct'62)  
Linda Forney Lenhard (Edu'62)  
William L. Lorah (CivEngr'62)  
John B. Parker (Hist'62)  
Eleanor Morgan Robberson  
(A&S'62)  
Donald G. Robinson (Acct'62)  
James A. Ross Sr. (ApMath,  
EIngr'62)  
Robert J. Strange (ChemEngr'62)  
William Tambo  
(PhDChemEngr'62)  
Helen Vanderpool Thomas (A&S'62)  
John W. Trammell (MGeol'62)  
Billy B. Wyatt (Law'62)  
Paul E. Atkinson (A&S ex'63)  
Laureen Metzger Belmont (Engl'63)  
Joan Hahn Dudden (MA&S'63)  
Ralph L. Gosselin (MMgmt'63)  
Delbert L. Herald Jr. (Chem'63)  
Dale L. McKown (MA&S'63)  
Rebecca Reiland Morgan (Engl'63)  
James M. Peavler (Engl'63; MA'64)  
James R. Sherman (Psych'63;  
MPerServ'64)  
Kenneth E. Cramer (A&S'64)  
Kathleen Matheson Huckfeldt  
(A&S'64)  
David N. Lucas (EngrPhys'64)  
Mary Lou Waldo Nierenz  
(Psych'64)  
Mohammad F. Tabatabai (A&S'64;  
MA'69; CivEngr'75)  
Roger W. Wissmiller (PE'64)  
David J. Cavanaugh (A&S'65;  
MD'69)  
Salvatore A. Dispensa (MBusEdu'65)  
Roger J. Lahm (MBasicSci'65)  
Ernest Leopold Irish (EIEngr'65)

Betty K. Oster Lorenz (Nurs'65)  
Janice Fae Markrud (Math'65)  
Dennis E. Michel (Acct'65)  
Charlotte S. Simmons (Span'65)  
Thomas F. Begley (A&S'66)  
Stephen G. Hagberg  
(MechEngr'66)  
Helmut Lutsep (MA&S'66; PhD'68)  
William B. McKown (Fin'66)  
Charles B. Talley (A&S'66)  
Charles D. Tate Jr. (Engl'66)  
Gilbert N. Whitmer (Mktg'66;  
Law'71)  
Mary S. Farsje (A&S'67)  
Paul S. Fedec (MEcon'67)  
William J. Franek (EIEngr'67)  
Charles A. Moore (MPsych'67;  
PhD'72)  
Barbara Garwig Pautz (MGer'67)  
Larry D. Ambrose (Mktg'68)  
Cristina Fisher Cunningham  
(Jour'68)  
Jerome C. Donnelly (Phil'68)  
Betty Jo Bendigo Hildum  
(MPsych'68)  
Robert L. Martin (MEIEngr'68)  
Dennis D. Whisler (PE'68)  
Richard E. Aldrich (Bus'69)  
Nancy Grant Dalen (A&S'69)  
Nancy Taylor Farel (Art'69)  
Allen G. Heitschmidt (Chem'69)  
Linda J. Ingison (Psych'69;  
MA'71; PhD'72)  
James A. Littlepage (Law'69)  
Hildie Buchalter Newman (Edu'69)  
Myrtis M. Brett Otteman (A&S'69)  
Bryce Penney (Econ'69)  
Stephen T. Roosa (Hist'69)  
Donna Kellenbenz Runyan  
(MEdu'69)  
Jon G. Rush (AsianSt'69)  
Robert K. Welton (Arch'69)

## 1970s

Brenda K. Barbour (MusEdu'70)  
Daniel J. Bauman (PhDA&S'70)  
Joanne Cave Cantwell (MEdu'70)  
G. Paul Forsyth (A&S'70; MD'75)  
Gilbert M. Harrison (A&S'70)  
William J. Post (EngrPhys'70;  
Law'76)  
Martin S. Barber (MJour'71)  
Larry L. Becker (MPE'71)  
Eleanor Burch DePuy (Ital'71;  
MLing'77)  
Judith Hough Dodson (Soc'71;  
MPubAd'75)  
Homer B. Klonis (PhDChem'71)  
Greg McArthur (Bio'71; MA'74;  
PhD'77)  
Ronald C. Richards (EIEngr'71)  
Craig W. Watson (Bio'71)  
Robert P. Donalson (PhDMus'72)  
Kathy Patrick Dutton (Edu'72;  
MA'84)  
John M. Fernandez (Jour'72;  
MEnvDes'78)  
Joseph P. Gray (MANth'72;  
PhD'76)  
Karen E. Green (Edu'72; MA'73)  
Joan Carlson Hemmer  
(PhDEdu'72)  
Glendine E. McKenzie (MEdu'72)  
Maia Sampson Michael (Art'72)

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Anne J. Nelson (Soc'72)  
George C. Schloemer  
(PhDChem'72)  
Gary Yukio Okimoto (A&S'72)  
Allen R. Banks (MChem'73;  
PhD'75)  
Marilyn Galusha (A&S ex'73)  
Jimmy Ed Inman (MA&S ex'73)  
Steven L. Maynard (Law'73)  
Kathleen A. R. Reichert (Bio'73)  
James R. Willis II (CivEngr'73)  
Douglas P. Hurd (Phil'74)  
Robert K. McConnell (MRec'74)  
Charles J. Mills (MEdu'74)  
Alexandra Pinter (MEdu'74;  
PhD'77)  
Robert A. Williams (EIEngr'74)  
Yvonne Tate (Law ex'74)  
Julie D. Evans (A&S'75)  
Lee Lively (MEdu'75)  
Leola Robertson (PhDEdu'75)  
Patricia Ann Summers  
(CommDisor'75, MA'77)  
Robert M. Barrie (Anth'76)  
Gerald K. Dolan (Acct'76)  
Daniel W. Perkins (Econ'76; MBA,  
MEcon, MFin'00)  
Donald J. Van Buhler Jr. (Math'76;  
ExecMBA'89)  
Ronald P. Capistrano (Art'77)  
David S. Crosslin (Acct'77)  
Sigmund W. Krane (PhDSoc'77)  
Merle Schramm (MEdu'77)  
Peter B. VanDruff (Psych'77)  
Robert L. Bouvier (Soc'78)  
Gary R. Clark (Acct'78)  
Katherine A. Forslund  
(MComm'78)  
Brenton J. Libby (Pharm'78)  
Richard A. Simons (EPOBio'78;  
Pharm'81)  
Jeffrey D. Snow (Acct'78)  
Richard C. Williams (PhDSoc'78)  
Lynette Fishburn Tanner (A&S  
ex'78)  
Sara J. Paulson (MA&S ex'79)  
Gail Spaulding Brinkman  
(ChemEngr'79)  
Jay T. Edwards (Mktg'79)  
Patrick L. Goudy (Fin'79)  
Bruce E. Heistand (Phys'79)  
Liz August Lore (PE'79)  
Amy Skeggs Medrud (MFA'79)  
Richard A. Moore (Chem'79;  
MD'84)  
Barbara A.S. Pirovano (MEdu'79)

## 1980s

Orville H. Hinerman III  
(ArchEngr'80)  
Wade P. Johnson (MBA'80)  
David L. McKenna (EPOBio'80)  
Joseph M. Prentice (Advert'80)  
Karen J. A. Sanville (Art'80)  
Diana McMillan Sherry (Psych'80)  
Girma Zelleke (MEcon'80;  
PhD'84)  
John P. Chybion (MusEdu'81)  
Gregory J. Hebert (EnvCon'81)  
Marcia Ovitt Jacques (Hist'81;  
MA'94)  
Douglas M. Roesser (Geog'81)  
William G. Mattheessen (MBA'82)  
Kenneth E. Crow (MSoc'83;

PhD'87)  
Joan L. Chadbourne (MEdu'84)  
Robyn Meinhardt (Law'84)  
Stephen E. Walker (PhDEdu'84)  
Martin D. Wiesehan (MBA'84;  
MechEngr'88)  
Richard F. Huebner (PolSci'86)  
Victoria F. Jaffray (CommDisor'86)  
Gary D. Shimanowitz (Econ'86)  
Robert F. Soto (Comm'86)  
Robert F. Walls (Fin ex'87)  
Jeffrey T. Woodruff (Psych'87)  
Frank Pacheco (MA&S'88)  
Ronald G. Miles (MMus'89)  
Vicki Sohn Saltz (Jour'89)

## 1990s

Joshua M. Levy (Jpn'90)  
Jenny A. Macfie (Psych'92)  
Karen C. Mills Hensley (Comm'93;  
MEdu'00)  
Jon I. Ball (Mktg'95)  
Albert J. Lee (ApMath'95;  
MTeleCom'97)  
Patrick F. O'Connor (MTeleCom'97)  
George H. Crumb (HonDocHum'99)  
Stephanie Hanneman Isakson  
(Soc'99)

## 2000s

Christopher H. Ariano (Bus'05)  
Germaine Bartlett-Graff (RelSt'06)  
Susan L. Hendrix (PhDCompSci'08)

## 2010s

Christopher S. Poepping  
(MCivEngr'13)  
Mason P. Gudelsky (Bus ex'14)  
Henry W. Higgins (Mktg'15)  
Miles Y. Stegman (Soc'16)  
Stephan W. Kaczynski (EnvSt ex'17)  
Alexander J. Nieczkoski  
(BioChem, EPOBio ex'19)

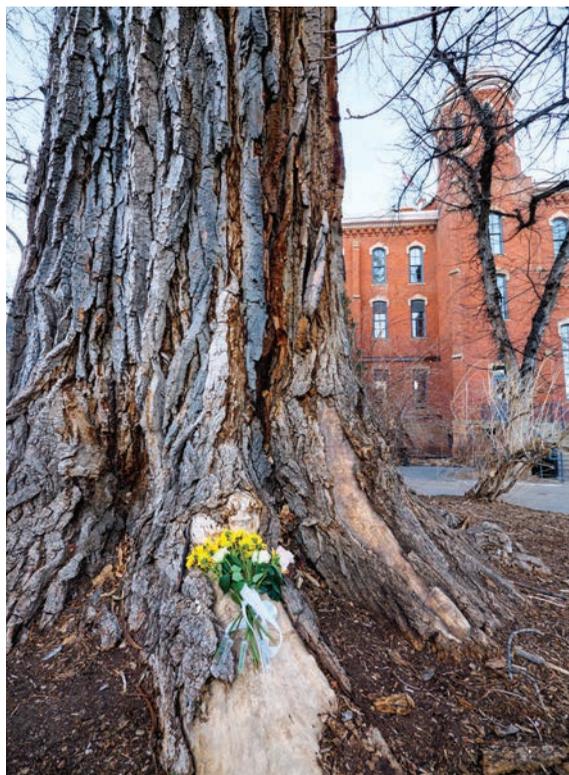
## 2020s

Cooper S. Chaltas (A&S ex'20)  
Caelan Baker Lapointe  
(PhDMechEngr'20)  
Trent Roethemeyer (EnvSt ex'20)  
Amelia M. Greenberg  
(BioChem'21)  
Melissa D. Nielsen (Anth'21)  
Madeleine M. Billings (Neuro,  
Psych ex'22)  
Collin C. Breckenridge (MBA ex'22)  
William B. Brown (Engr'22)  
Jesse S. Hayes-Morrison (BioI'22)  
Vale A. Hildebrand (Fin ex'22)  
Christopher K. Kershaw  
(MechEngr'22)  
Jacob A. Matthews (Astro ex'22)  
Gregory J. Potylchansky (Fin  
ex'22)  
Courtlyn B. Shoate (EngrMgmt'22)

## Faculty, Staff and Friends

Peter W. Birkeland, Geology  
John W. Bowers, Professor  
Emeritus, Communication  
Spencer O. Nye, Physics  
Catherine M. Shannon, Friend  
Martha Lee Sugg, Friend

# FEEDback



The aging Old Main cottonwood was taken down in January.

## Big Green

Imagine our delight at seeing the flowers that my wife, **Robin Cantor** (Fren'87), and I left at the base of the tree that we have called "Big Green" for over 30 years. We loved that tree, and were sad to see it go. Knowing that it was a Methuselah of its kind and mother to young clones on campus will always be comforting. Kudos to [forestry supervisor] Vince Aquino and his team for taking such good care of our friend all those years.

**Evan Cantor**  
(MEdu'93)  
Boulder

## Humans as the Problem

I always look forward to receiving my *Coloradan*

alumni magazine. I was particularly interested in the article regarding d'Andre Willis, CU Boulder's architect. Boulder's campus is certainly an architectural jewel.

In this article, Willis comments on the "negative impacts that buildings have made to climate change". What we must realize is that buildings don't use energy ... people do! Until such time as we, the humans who inhabit these structures, accept a wider range of indoor temperatures, operable windows, lower electric illumination levels and a reduced use of electronics (remember black-

boards — now replaced by electronic white boards) we are ignoring the real problem ... us.

**Kirk Davis**  
(ArchEngr'72)  
Portland, Oregon

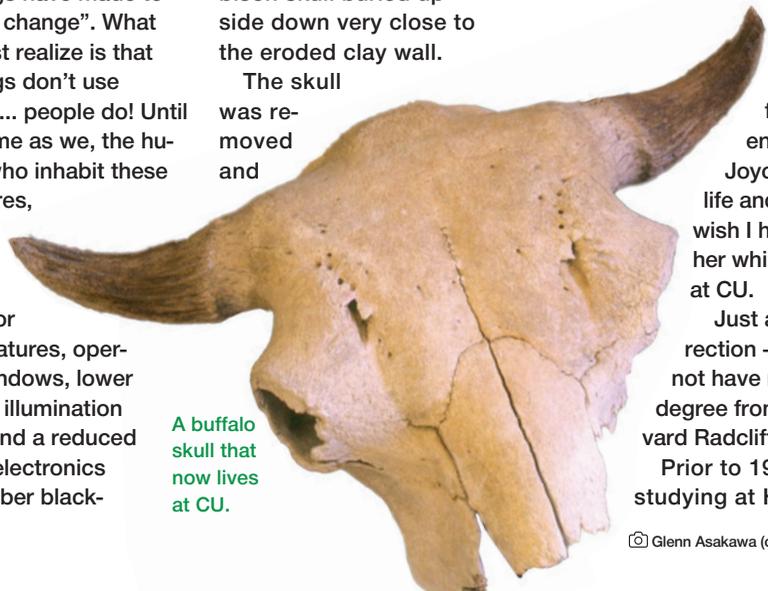
## CU's Natural History Museum

"Growing a Museum" on page 12 [Spring 2022] was of personal interest! My mother, Almira Kupka, married Ernst Kemper in Boulder on July 27, 1926, and they rented a place at 750 12th Street while she attended classes, and Ernst pursued a business featuring car ride tours that approached the summits of Pikes Peak and Mount Evans. Almira told me that **Hugo Rodeck** (BioChem'28; MA'29) knew her family.

During the summer of 1962, my father, my wife, Tricia, and I traveled near Limon, Colorado, to explore a steep-walled arroyo and look for Stone Age tools. Tricia saw a horn projecting from the wall above our heads. The horn was attached to a bison skull buried upside down very close to the eroded clay wall.

The skull was removed and

A buffalo skull that now lives at CU.



The Sink turns 100 next year. It's still a favorite spot for many.

became a valuable part of my father's collection of artifacts. He died in 1966, and the collection became mine. In 1968 I contacted Hugo to find out if the Henderson Museum would accept the skull as a donation. Hugo drove to Lakewood and took it from our basement. The skull was examined and judged to be a "keeper" because the sinus structure was complete. I assume the skull is still somewhere in the Henderson Building.

**Ernst Anton Kemper**  
(ChemEngr'59)  
Lakewood, Colorado

## Radcliffe Distinction

Thanks for the fine end piece on Joyce Lebra's life and work. I wish I had known her while studying at CU.

Just a minor correction — she could not have received a degree from the Harvard Radcliffe Institute. Prior to 1963, women studying at Harvard

received their degrees from Radcliffe College; their deans were from Radcliffe while all their professors were from Harvard.

From 1964 through 1977 the women were still admitted by Radcliffe, taught by Harvard and received diplomas from both Harvard and Radcliffe.

In 1977 Radcliffe was merged into Harvard. Radcliffe's physical assets eventually became the Radcliffe Institute for Advanced Study at Harvard University. It is also known as the Harvard Radcliffe Institute.

**Terry Vogt** (MBA'75)  
San Francisco

## Thanks, CU

Great issue for spring. As I was reading, I thought, "I'm really glad I went to CU." My decision to attend was more a matter of serendipity than rational decision. My parents thought I was too young to go out of state, so I simply went with the largest college around. Now I see how much I benefited from the diversity, the empha-

sis on excellence and the intellectual atmosphere there. The issue held numerous examples of these qualities. So I'm finally saying, "Thanks, CU."

**Bonnie Fine McCune**  
(Psych'66)  
Denver

## Tulagi Nights

I enjoyed seeing The Sink and Tulagi signs in your photos. I was manager of Tulagi several years in the mid-1960s. We filled the dance floor weekend nights with dancers to our bands' music. Monday nights we did nickel beer for an hour, and we would have a line from the front tap at the bar all the way across the dance floor to the bandstand of folks lining up to get their 5-cent beer. At the time, we were the largest-volume draft beer outlet for Coors.

**Dave Edstrom**  
(DistSt'67)  
Roanoke, Texas

## Wow...

I loved this past *Coloradan*. Wow ... it was an incredible overall piece, but specifically, the Marshall Fire story was incredibly honoring of the magnitude

# Coloradan

**Volume 26, Number 3  
Summer 2022**

*Coloradan* aims to inform, inspire and foster community among alumni, friends and admirers of the University of Colorado Boulder, and to engage them in the life of the university. We strive to practice inclusive storytelling in every aspect of the publication. Our goal is to uplift and share stories that represent a wide range of CU Boulder experiences while working to develop a deeper sense of belonging for all involved with the university.

## How to Reach Us

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Koenig Alumni Center, University of Colorado, Boulder CO 80309-0459

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Pentagram Austin

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Glen Freiberg shares some of his favorite images, including a CU Grateful Dead concert and Ralphie running during a game.

easy sell for me as I told prospective clients that about 25% of the Boulder workforce (at the time) were employed by CU and picked up the paper.

Between the two jobs, plus selling cameras part-time at Jones Drug and Camera on The Hill and some periodic cooking jobs at local restaurants and sub shops, I was able to get through the first four years without debt paying out-of-state tuition. Back then, it could be done.

**Glen Freiberg** (EPO-Bio'74; MA'76)  
Rancho Santa Fe, California



of disaster and impact to our community. I read it from cover to cover.

Leah Murphy  
Broomfield, Colorado

the commissions were good. I covered parts of Boulder that did not have representation at the time, that is, further away from the campus. It was an

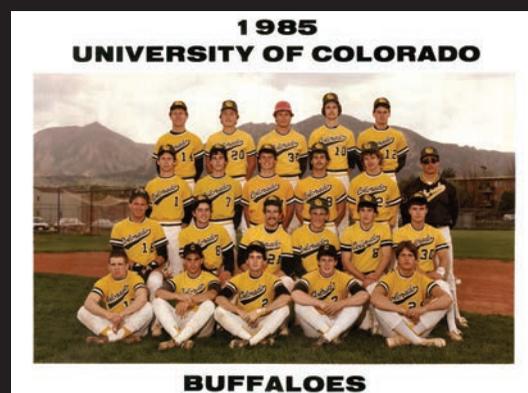
## Life as the Colorado Daily Photo Editor

I was the photo editor for the *Colorado Daily* during some of my years at CU in the early 1970s. I send you a few memories to consider for the *Coloradan*.

While I was on staff, the offices were in the UMC and the publication darkroom was on the floor below. The photography job worked out well for me because I could work the assignments around classes and I could study in the darkroom while I waited for film to develop and prints to dry. The photo deadline was usually around 10 p.m.

To increase income, I asked to add advertising sales to my job as

## CU Baseball



**Bryan Karlan** (RealEst'92) — No. 6 — sent in this 1985 baseball team photo. The baseball team had been cut from CU's athletic budget, he wrote, and were sponsored by the Student Union. They played several Big 8 universities as well as other schools like the Air Force Academy. "We were a pretty motley crew," he said.

## Correction

In the Spring 2022 issue of the *Coloradan*, we misspelled illustrator Brian Rea's name in the "7 Ways Work Will Change Forever" feature. We regret the error.

## Social Buffs



Congrats to the Class of 2022 and welcome to the #Forever Buffs fam! 🍷🐻🐻 @cuboulder life



Congratulations to the class of 2022! #skobuffs #foreverbuffs @chipthebuffalo



💕🎓 @paytography\_

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# THEN

1908

In 1908, CU Boulder graduates braved a windy day to march to Chautauqua Auditorium for their commencement ceremony. They first paraded around campus, then took horse-drawn carriages to Chautauqua to complete the procession. That spring, 146 students graduated from the university.

The traditional Folsom Field commencement ceremony began in 1949.

