

Be Boulder.



Alumni Association
UNIVERSITY OF COLORADO BOULDER

Coloradan

Alumni Magazine Spring 2019

ALSO IN THIS ISSUE:

THE **CONGRESSMAN**

SOULCYCLE CO-FOUNDER
ELIZABETH CUTLER

OUR **VIKING-COWBOY**

COLORADAN – **OR COLORADOAN?**



**RHODES
SCHOLAR
SERENE
SINGH**



NOW

JAN. 20, 2019

The name sounds comically ominous: “Super blood wolf moon.”

But the astrological spectacle — a type of total lunar eclipse that turns the moon reddish — amounted to a minor marvel.

People were ready with cameras, **Glenn Asakawa** (Jour’86), CU’s chief photographer, among them.

He took these images between 9:08 and 11:04 p.m. in Lafayette, Colo., using a tripod-mounted Lumix G9 micro four-thirds camera with Panasonic/Leica 100-400 zoom lens.

You don’t have to know much about cameras or moons to be impressed by the results.





COVER Serene Singh (Jour, PolSci'19), CU Boulder's first woman Rhodes Scholar, in bhangra dance attire. Photo by Glenn Asakawa.

ABOVE New U.S. Rep. Joe Neguse (Econ, PolSci'05; Law'09) at a ceremonial swearing-in event on campus in January. He represents Boulder. Photo by Glenn Asakawa.

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Former student body president **Joe Neguse** (Econ, PolSci'05; Law'09) made a name for himself in Colorado. Now he's doing it in D.C.

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EDITOR'S NOTE

Serene Singh, CU Boulder's first woman Rhodes Scholar, showed up ready to dance.

It was late January and there'd been snow on the ground for days. She and CU photographer **Glenn Asakawa** went up to a Flatirons-facing building terrace.

She brought some of her best bhangra dancing duds. He brought some of his best cameras.

Serene, captain of the Colorado Bhangra Team, posed and danced as Glenn sought to capture a moment of pure bhangra, which in Hindi means "intoxicated by joy."

They'd been at it for more than an hour.

"We were about to call it a day when she asked if I could get a photo of her jumping," Glenn said.

She leapt. He clicked.

They walked away with 500 images. And that's how we got our cover photo — the final shot of the day.

Our story about Serene starts on page 15. See outtakes from the shoot at colorado.edu/coloradan. Search "Serene Singh."

Eric Gershon



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OUR VIKING-COWBOY

Jackson Crawford, director of CU's Nordic Studies program, studies and translates Old Norse, a language spoken by medieval Scandinavians. Here the native Coloradan talks Vikings, videos and his contribution to the Disney animated film Frozen.

What is the context of the literature you study?

The stuff that I'm looking at is roughly 1,000 years old. The poems of *The Poetic Edda*, about the Norse gods and heroes, were probably composed around the 900s and passed down orally. Then in Iceland in the 1200s, there was a big antiquarian interest and a lot of their oral poetry and sagas were written down.

Tell me about Vikings.

During the Viking age, about AD 800 to 1100, Scandinavians were making a killing off of raiding and pillaging the richer lands south of them. It's a hyper martial society with a family-based morality, so you can rob and kill people you're not related to. As far as physical image goes, Vikings didn't really wear horned helmets. But they did fight with axes. Also, they were actually quite clean. In the Scandinavian days of the week, Saturday is called bath day. A bath a week doesn't sound fantastic to us, but by medieval standards they were very clean.

Why did you translate *The Poetic Edda* and *The Saga of the Volsungs*?

The other translations were so hard to read. Previous translators were too fixed on the word order in Old Norse, which makes really awkward sentences in English. They also wanted it to sound old — it's like "thou art." Very Shakespearean. In my translations, I'm willing to mix around the word order and put it in normal English. Apparently it struck a chord. For two years in a row, my translation of *The Poetic Edda* is pretty often the number-one best seller in European literature on Amazon. It sold 10,000 copies in 2017.

What led you to launch your YouTube channel?

In 2016, I was an adjunct professor in California making \$1,600 a month while paying \$1,200 a month in rent. I had to do something else to make ends meet.

When I started the videos, I was just sitting in my office, but I noticed that when I went back home to Wyoming and Colorado and made videos outdoors those were a lot more popular. So I decided to make all of them outdoors. It's become my brand. I'm the guy who talks about Norse mythology in the mountains with a cowboy hat on.

How much time goes into your videos?

About six hours per video, and I try to put out two videos a week.

Have you always dressed in cowboy/Western style?

Yes. I grew up in Clear Creek Canyon. My grandfather was old-school Western, and I just picked up his style.

What do you hope your impact will be with the YouTube videos?

There's a lot of information about Norse mythology and Norse language on the web, but most of it is terrible. There are people with three or four times more followers than me who are basically making stuff up. What I'm trying to do is say 'This is what we actually see in ink and calfskin.' The community around my videos has been overwhelmingly positive and appreciative of the fact that I tell them what we know and I don't start making up things to fill in the holes.

Do you see parallels in American Western and medieval Scandinavian cultures?

Old Norse sagas always have a frontier edge to them. They're so much like Westerns. People were living far apart, relying on themselves and their small family. It's the same attitude, like 'Back when men were men and the wilderness was still untamed.' If someone challenges your honor, you fight them with an axe in the sagas, with a gun in the Westerns.

I heard you were a consultant for the Disney movie *Frozen*.

The creative team wanted to give *Frozen* that old Scandinavian feel. I wrote the runes [ancient alphabet letters] in a book you see at the beginning. There's also a scene with spoken Old Norse — that voice is the actor imitating me.

Condensed and edited by Ula Chrobak.

Campus

News SPRING 2019

Two Letters, Big Difference

CU DUO DEVISES GENDER-NEUTRAL APPROACH TO HEBREW



In Hebrew, it's harder than you'd think to write "student" in a gender-neutral way.

WHEN LIOR GROSS (ECOL, EvoBio'18) enrolled in a Hebrew course at CU, Jewish Studies instructor Eyal Rivlin foresaw a challenge. Gross identifies as gender nonbinary — neither male nor female — and uses the English personal pronouns they/them/their. But standard Hebrew requires masculine or feminine identifiers for many words.

The sentence "I am a good student," for example, requires Hebrew speakers to assign gender to both "good" and "student."

"If you don't have a word to conceptualize your experience, then you can't connect to others and you feel really isolated about it," said Gross, who graduated in December and plans to become a rabbi.

So, student and teacher drafted new gender-inclusive Hebrew language rules and introduced the Nonbinary Hebrew Project, which they describe as "a third-gender grammar systematics for Hebrew." (Visit nonbinaryhebrew.com.)

The project essentially creates a third gender category by adding the suffix "-eh" to most words, and can

be used for both nonbinary individuals and mixed-gender groups, which previously were referred to using the masculine plural.

"It was probably either really hard or maybe even impossible within Hebrew to identify as nonbinary," said Rivlin, an Israeli army veteran who also is a professional recording and touring musician.

The new rules are useful for Hebrew, he said, and "also for educating students about diversity."

Gross and Rivlin have received positive reviews from the nonbinary community and others eager to spread their approach, they said. Some people have introduced it to their own universities and congregations.

Gross sees the project as a natural continuation of traditional Jewish teachings.

"One of the biggest things that resonates with me about Judaism," they said, "is the encouragement of doubting and questioning and pushing back and holding multiple right answers."

By Sam Linnerooth

BOULDER BEAT By Paul Danish

WHERE'S THOMAS RIHA?

HE DISAPPEARED 50 YEARS ago this spring.

Where to begin — maybe with the *Colorado Daily* staff's song about him (to the tune of "Where Have All the Flowers Gone"):

*Where has Thomas Riha gone, long
time passing?*

... and what of Mrs. Tannenbaum?

When will we ever learn...

Thomas Riha was a Czech-born U.S. citizen who taught Russian history at CU in the 1960s.

One day he didn't show up for class and vanished into thin air.

When the cops went to his house, they found the table set for breakfast but nothing touched.

The plot quickly thickened.

The week before Riha vanished, his wife, Hana, opened a window and screamed that Riha and another woman were trying to drug her with ether, according to a 2011 account by Boulder attorney Gerald Caplan, who was Hana's lawyer.

CU poli sci prof Richard Wilson lived next door. He and a guest called the cops.

Soon juicy details emerged, many of them detailed in Caplan's summary.

The woman with Riha went by the name (among others) of Galya Tannenbaum. She had an on-and-off relationship with the truth. Mostly off.

Among other things, she claimed to be a colonel in U.S. Army intelligence. A CIA agent. A Russian agent. An INS agent. She wasn't any of them.

She also had an off-and-on again relationship with forgery, fraud and embezzlement. Mostly on (three past convictions). And with cyanide.

A couple of her "friends" in Denver

died of cyanide poisoning, one within days of a suspicious update to his will.

When the cops arrested her for forgery and fraud, they found a pound of cyanide in her basement.

Meanwhile, Riha sightings were reported in Montreal, Prague, Moscow and Shangri-La.

Is he dead or is he fine...

Is his body down a mine?

Enquiring minds wanted to know.

Including CU President Joe Smiley. So he asked the CIA.

"Don't know," said the CIA guy, in so many words. "I'll ask an FBI guy I know."

"No foul play here," said the FBI guy. "Riha dropped off the face of the earth for personal reasons."

The CIA guy told this to Smiley, who declared Riha was okay.

When the FBI's J. Edgar Hoover heard this, he called up the CIA and said, in effect, "Who the bleep told you that?"

"We'll never tell," said the CIA.

Galya pleaded not guilty by reason of insanity to the fraud and forgery charges and was packed off to the state funny farm in Pueblo.

Eight months later she committed suicide. With cyanide, of course.

With her last breath she swore she didn't kill Riha.

There was a large tree across from Riha's house. As God is my witness, for several years a flock of turkey vultures hung out there.

So where did Thomas Riha go...

Maybe only buzzards know...

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

Photo courtesy University of Colorado



Six Years of Research, Three Minutes to Talk

SILVER-TONGUED GRAD STUDENTS COMPETE IN THE “THREE MINUTE THESIS.”

IN THREE MINUTES FLAT, **Hannah Glick** (SLHSci'12; PhD'19) breezed through six years of her doctoral research on hearing loss, convincing a roomful of spectators to get their ears tested ASAP. Her only prop was a single PowerPoint slide showing an ear and a hearing aid.

“We disregard [hearing loss] as a normal part of aging, and young people don't do a good job protecting themselves,” said Glick, who won CU's second annual “Three Minute Thesis” contest, or “3MT,” in February. “We need to put hearing healthcare higher up on the health priority list.”

Even mild hearing loss can compromise cognition and emotional health, she explained. But Glick has found that outfitting hearing-impaired adults with hearing aids can help reverse these other effects.

Founded in Australia in 2008, 3MT challenges young scholars to explain their work quickly in simple, jargon-free terms with a single graphic aid. Now, over 600 universities across 65 countries participate. This was CU's second year.

Judges evaluate contestants based on their ability to engage listeners in the topic and convey the value of their research.

A doctoral candidate in audiology, cognitive science, and speech, language and hearing, Glick wowed judges and audience alike, walking away with the “People's Choice” award and the first-place prize, taking home \$2,000.

Runner-up **Luke Bury** (PhDAero-Engr'21) talked about engineering space landings and exploring the subsurface oceans of Europa, an icy moon of Jupiter. He earned \$750.

In all, 11 students made the final round, from an original pool of 28.

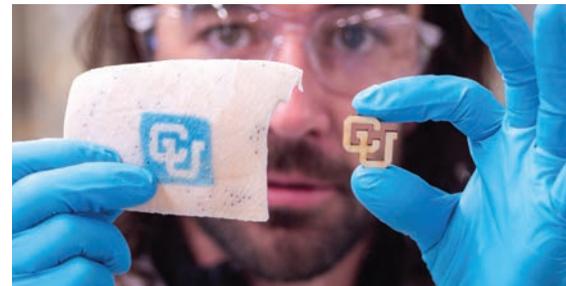
The candidates participated in a series of fall workshops organized by CU's Graduate School, honing their presentations and polishing their oratory.

Glick also did a lot of rehearsing in front of the mirror.

If she's among the winners in the regional 3MT contest in Arizona in March, she'll proceed to nationals.

Besides refining her communications skills, Glick said, 3MT opened her eyes to the breadth and impact of her fellow CU students' work: “People are working on some really cool stuff.”

By Ula Chrobak



TECH TATTOOS FOR TRACKING HEALTH

In the future, tattoos may be more than just a way to express yourself.

Scientists in CU Boulder's Emergent Nanomaterials Lab are creating “tech tattoos” made up of tiny particles that change color in response to stimuli like heat or sunlight. The special inks in these tattoos can alert wearers to health risks.

One prototype tattoo, for example, only appears in UV light, warning of the potential for sunburn. When sunscreen is applied, the ink disappears. Someday, these tech tattoos could serve many other functions, like revealing blood sugar levels, telling you how much you've had to drink and storing heat to keep you warm.

For more details, search “tattoo” and “color” at colorado.edu/today.

HEARD AROUND CAMPUS

“I BELIEVE I WILL SEE PEOPLE ON THE SURFACE OF MARS BEFORE I DIE.”

— Allie Anderson, CU Boulder assistant professor of bioastronautics, during a discussion at a campus screening of National Geographic's TV series *Mars*.

CONGRESSIONAL PAPERS (AND TWEETS)

Former Boulder-area Congressman Jared Polis — now Colorado's governor — has donated his congressional papers to CU Boulder for archiving in the University Libraries.

The social media and web portion of Polis' records are already available in the library system's special collections unit. They document his use of Twitter, Facebook and Instagram during a 10-year U.S. House of Representatives career that began in 2009. Polis became governor in January.

Additional congressional records — including Polis' briefings, speeches and constituent correspondence — become available in 2050.

CU also holds the papers of former U.S. Sen. Gary Hart and other Colorado politicians.

For more details, search “Polis” and “archive” at colorado.edu/today.

Photo by Glenn Asakawa

DIGITS

SAFECRACKING AT CU

ONE

Safecracking class offered by the ATLAS Institute

4

Safecracking robots designed by 11 students

33

Minutes robots needed to open a safe (avg.)

7,457

Possible combinations robots tried (avg.)

69

Minutes needed to try all possible combinations

271.3

Pounds of steel robots rendered useless

THREE

Motors burned out

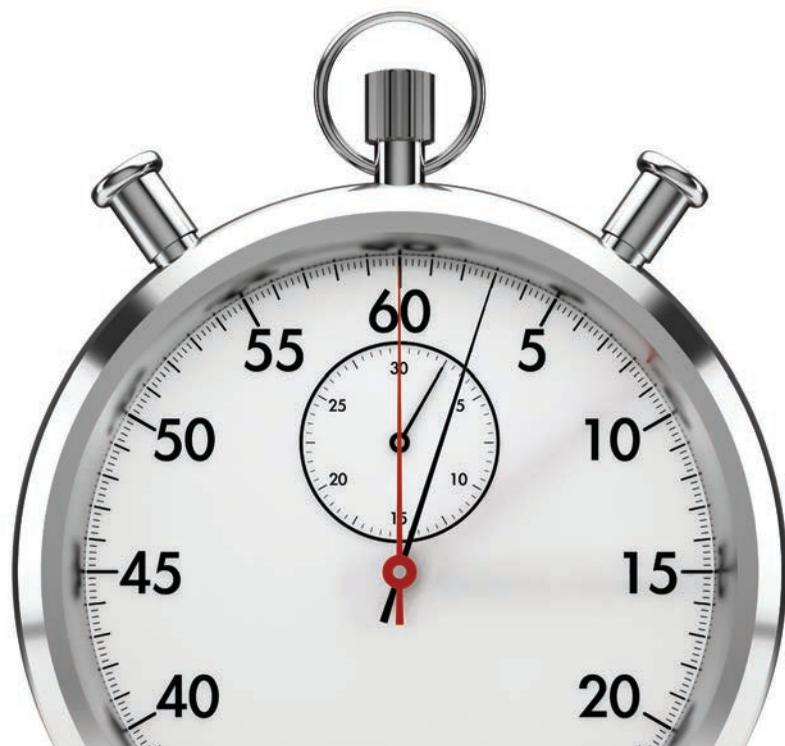


Photo by @Stock/falkemakarasu

LOOK SORORITIES



HOMES ON THE HILL

In October 1884, not quite a decade after the University of Colorado's founding, eight women established a Boulder chapter of the Pi Beta Phi women's society. It was the dawn of Greek life for women at CU.

Today, about 3,300 students are involved in CU Boulder's 19 active sororities. Ten have houses on or near The Hill, each with about 60 to 80 resident members.

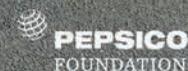
Can you identify any of the sorority houses from these photographs of architectural details? Write us with your best guesses, or simply a fond memory, at editor@colorado.edu.



**Less than half of recyclables in U.S. homes get recycled.
We can do better.**

That's why the PepsiCo Foundation is investing \$10 million with The Recycling Partnership to launch *All In On Recycling*, an industry-wide challenge to raise \$25 million to improve recycling for 25 million families across the country and recycle an additional 7 billion bottles and cans. We can't do it alone, so we're calling on business and community leaders to join us. Who's in?

allinonrecycling.com



COLORADAN OR COLORADOAN?

Even Colorado’s last state historian skirted the debate: Are residents of Colorado properly known as Coloradans or Coloradoans?

“I have made every effort to weasel out of taking a position,” said Patty Limerick, the CU historian and Center of the American West director who was, from 2016 to 2018, also the state historian.

This magazine took a clear position in 1998, when it adopted the name *Coloradan* after publishing as *Colorado Alumnus* for most of the 20th century.

The daily newspaper in Fort Collins takes a diplomatic approach: It retains the title *Fort Collins Coloradoan* (with the o) — but in its news reports uses the term Coloradan to refer to Colorado residents.

“Invariably, every three months I get someone who calls who says, ‘You do know you’re spelling your paper’s name wrong, right?’” the paper’s editor, Eric Larsen, said in an interview, revealing one strain of thought.

As it happens, readers of this magazine often refer to it as the *Coloradoan*. Perhaps this reflects that CU Boulder’s student yearbook was called the *Coloradoan* before switching in the 1930s to *Coloradan*. Or maybe it simply reflects that both terms remain in use.

But which is right?

Others who have addressed this question have advanced cultural, historical and linguistic arguments, such as the English-language convention — for place names of Spanish origin ending in o

— of dropping the o before adding -an to denote a resident, as in “San Franciscan.” (The Spanish word *Colorado* can be translated as “red” or “to turn red.”)

We humbly offer the following for consideration also:

The U.S. Government Printing Office maintains a list of demonyms, or terms for inhabitants of a state. It stipulates Coloradan, not Coloradoan.

Perhaps more compelling is data provided by Google’s Ngram Viewer.

The service allows us to chart trends in the use of words by searching actual references in millions of books published from 1800 through 2000.

While scholars have argued that Ngram results do not perfectly represent popularity — written language doesn’t always mirror spoken language, for example — Ngram offers one clear interpretation of abundant available data. And it shows that each term has at times waxed supreme — but that references to Coloradan clearly surpassed references to Coloradoan in 1969.

Coloradan still held the lead as of 2000, the last year in Ngram Viewer’s range. Coloradoan peaked in 1918.

“It does seem that Coloradan has prevailed,” said Limerick, “and I am at peace with that.”

Are you? Write us at editor@colorado.edu.

EACH HAS AT
TIMES WAXED
SUPREME.

Coloradan

Alumni magazine Summer 2016



ACHIEVERS

OXFORD Bound

SERENE SINGH BRINGS
HOME CU'S FIRST
RHODES SCHOLARSHIP
IN A QUARTER CENTURY.

By Eric Gershon



SERENE SINGH HAD BEEN a Rhodes Scholar for less than 48 hours last November when she boarded a flight for Southern California. She had a contest to get to, National American Miss, the nation's biggest youth beauty pageant.

Rhodes Scholars are rare enough — Singh, a CU Boulder senior, is one of 32 from the U.S. in the latest crop and CU's first winner in 25 years. Rhodes Scholars also aiming to be Miss America were perhaps unheard of until now.

But Singh (Jour, PolSci'19), a bhangra-dancing, snowboarding Boettcher Scholar from Colorado Springs with a 3.98 GPA, isn't shy about the diversity of her ambitions, or much else, for that matter.

"There's no class in confidence," she recently told a Denver audience of about 750 CU alumni and friends while dressed in a bright yellow jumpsuit — you have it, or you build it.

The former Miss Colorado Teen and America's Junior Miss said pageant competition has helped her cultivate presence, poise and a sense of her "own unique beauty."

To pageant skeptics (she once was one), Singh says she skips bathing suit contests. But she doesn't scoff at contestants who find confidence through them: "I say to those women, I think they should do it shamelessly. I applaud them for being bold."

At 22, Singh has done a lot.

A champion debater, member of CU's Presidents Leadership Class and chief justice of CU's student government, she's also a classic activator: She founded CU's Sikh Student Association, the National Sikh Youth Program and the Serenity Project, a nonprofit group devoted to empowering marginalized women.

RHODES SCHOLAR? CHECK. MISS AMERICA? STAY TUNED.

Last spring, mere months before she became CU's first woman Rhodes Scholar, she won a Truman Scholarship, which provides \$30,000 awards for young people invested in public service and access to an alumni network rivaling the Rhodes'.

Last summer, after spending part of it as an Obama Foundation intern in



Washington, she returned to campus and resumed the presidency of both CU's Sikh Student Association and the political science honors society — all while leading the Colorado Bhangra Team, a competitive Punjabi dance squad. CU Boulder's team, part of the statewide team, numbers about 30, she said, mostly non-Indians.

Singh, who grew up in a Sikh family, was also preparing to undertake an honors thesis about public perception of Sikhs in the U.S., tackling two majors and stopping nearly every dog she saw for a pet and a selfie.

"I've got about 400 now," she said, presumably including her own chihuahua, Betta ("child," in Hindi).

After commencement in May, the Rhodes Scholarship will take her to England for all-expenses-paid graduate study at the University of Oxford. There she'll follow in the footsteps of many prominent Americans, including Rhodes alumni Bill Clinton, Rachel Maddow and U.S. Supreme Court Justice **Byron White** (Econ'38).

In all, 20 CU Boulder alumni have won the Rhodes since it was established in 1902. Before Singh, the last CU Buff Rhodes Scholar was **Jim Hansen** (Engr'92; MAeroEngr'93), in 1993. The former CU football captain later earned an Oxford Ph.D. Today he is superintendent of the Naval Research Laboratory's Marine Meteorology Division.

Worldwide, there were 100 new Rhodes Scholars in 2018. Of the U.S. contingent, 21 were women, the most ever. Besides Singh, CU Boulder's **Nikki van den Heever** (CivEngr'17; MEngr'19) made the final round.

At Oxford, Singh plans to study public policy, criminology and criminal justice, preparation for law school in the United States. Her long-term ambition, she said, is a seat on the U.S. Supreme Court.

"People often hold themselves back through their own fear or self-doubt," said Ross Taylor of CU's College of Media, Communication and Information, who has taught Singh in several courses. "Serene may have doubt, but she overcomes it and is fearless."

Before Singh leaves for the U.K., she's got half a semester to enjoy at CU still,

plus a running list of off-campus projects and adventures in mind.

She'll wrap up the thesis, finalize plans for life overseas and convene with her Truman Scholar class in Washington.

INTOXICATED WITH JOY.

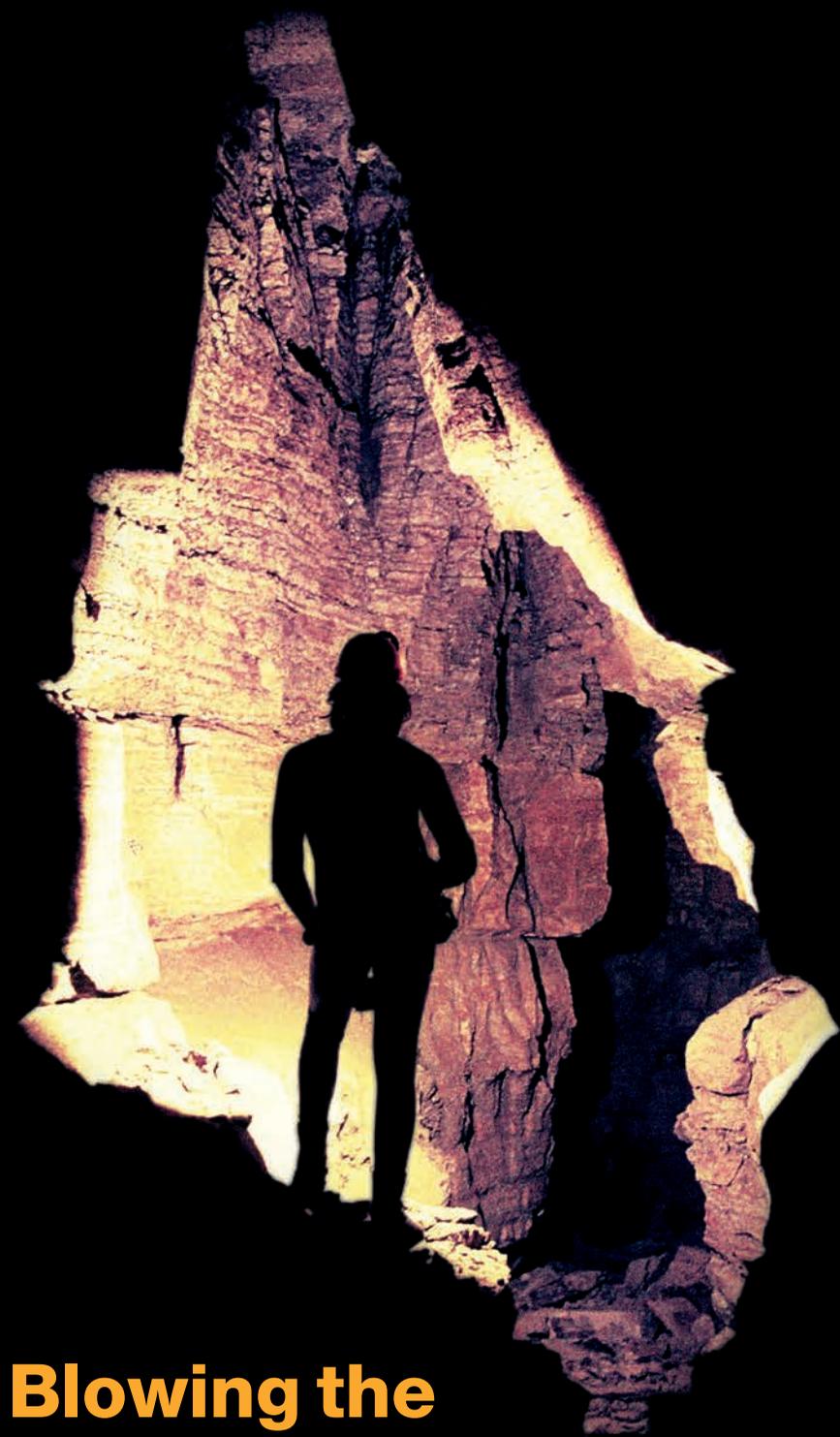
She wants to skydive, visit Hanging Lake near Glenwood Springs, see the world's biggest collection of keys, stage a fashion show for the Serenity Project and leave the National Sikh Youth Program in trusted hands.

If it seems like Singh rarely rests, you're onto something.

"I could do a much better job," she said. So, she dances whenever she gets a chance, even if it's just a few steps on the way to class — ballet, hip-hop, bhangra. It energizes her.

"There's no dull at all in bhangra," she said, noting it means 'intoxicated with joy.' "I think life should be lived like that, too."

Comment? Write editor@colorado.edu.



Blowing the Doors OFF

CU'S NORM PACE ISN'T INTIMIDATED BY THE DARKNESS OF REMOTE CAVES OR THE VASTNESS OF THE MICROBIAL UNIVERSE. HE'S MASTERED BOTH.

By Lisa Marshall

NORM PACE CAN STILL remember what it smelled like in that first cave.

The year was 1957. The place, Monroe County, Indiana.

The boy, a precocious 14-year-old who had talked his way into the local caving club's expedition to the newly discovered Monroe Cave.

After ducking through a hidden entrance, climbing down 20 feet and slithering on his belly for a quarter-mile, young Pace stood up to behold a room full of 40-foot rock formations coated in a white crystalline substance known as "moon milk."

"It smelled wet, mucky and alien in there," said Pace, now a CU distinguished professor emeritus of molecular, cellular and developmental biology. "It was clear that this was not a world like the one I was used to."

Pace has since discovered and mapped some of the largest and most dangerous caves on the planet, a hobby that has required him to traverse deep underground lakes in a wetsuit and scuba gear, rappel down waterfalls and narrowly escape death.

Among cavers, he is a legend.

But he is best known for his exploration of a different once-alien terrain: The world of microbes.

A recent National Academy of Science honoree for his "pioneering work on methods for delineating the diversity of life on Earth," Pace is credited with developing gene sequencing tools that have made it possible to identify virtually all microorganisms, wherever they live — remote caves, ocean floors, inside our own bodies. The current boom in microbiome research (the study of the myriad bugs living in, on and around us) wouldn't have been possible without him, colleagues say. And thanks in part to his work, the microbial "tree of life" as we know it is rapidly filling in.

"Microbiology is going through a Golden Age right now, and it is largely because of Norm," said Hazel Barton, a University of Akron scientist who once worked in Pace's lab. "He revolutionized the field."

A RENAISSANCE IN SCIENCE

When I meet Pace at his CU office, he greets me with a cold fist bump. He bumps fists with everyone: After decades of studying microorganisms, he knows too well what's on people's fingers. His fist is

cold. Though it's November and already dark, he rode his bike to meet me.

At age 76, he has started riding again, not long after surgery to remove several brain tumors and starting a new immunotherapy for Stage 4 melanoma.

He is in clinical remission. He thanks science.

"There is an incredible renaissance occurring in science right now," he said. "The fact that I am even sitting here talking to you right now is evidence of that."

A FIST-BUMP HELLO.

Another scientific renaissance was underway during Pace's rural Indiana childhood.

After his parents bought him a microscope kit, he spent hours poring over the strange rods and spheres. At 15, after building his own chemistry lab, he ruptured his ear drum and shattered the surrounding bones in a mishap with a batch of silver fulminate.

"Still can't hear out of it," he said.

Pace's formal entrée into science came in 1957, after the Soviet Union launched the Sputnik satellite. The U.S. government took note of the competition and launched two-week camps to engage kids in science. Pace was brought to Indiana University, where he met a molecular biologist. He was hooked.

"We didn't know a whole lot about the natural microbial world," he said.

Insects dominated textbooks then. Microorganisms appeared only in the contexts of "disease and rot," he said. And the only way a scientist could study a microorganism was to grow it in a petri dish and observe its physical traits under a microscope.

This was problematic, because only a minuscule fraction of microbes will actually survive in a lab.

"If you couldn't culture it, you couldn't identify it," he said.

Pace would find a better way.

FILLING IN THE TREE OF LIFE

He attended Indiana University and the University of Illinois before ultimately making his way to CU in 1999.

For years he studied ribosomal RNA, the molecules that form the protein-making machinery of cells. His friend Carl Woese taught him that by comparing rRNA between organisms, one could

infer a lot about how they evolved and the relationship between them.

Pace ran with the idea:

What if, rather than trying to grow a patch of some unknown microorganism in a lab to study it, you just sucked a bit of RNA from it in its environment, sequenced the genes, and compared them to those of other known organisms already plotted on the tree of life?

It was all about measuring the difference, or distance, between things, he said — kind of like mapping a cave.

HOW MANY SPECIES? HOW MANY STARS?

Pace first tried it with some mysterious pink filaments he and students scooped from a bubbling cauldron in Yellowstone National Park.

The resulting paper, published in 1984 in *Science*, made history, marking the

first time anyone identified an organism by sequencing its genes.

Biologists now had a way to study microbes that wouldn't grow in labs.

"We went from not recognizing 99.9 percent of the microbes out there to having the ability to identify everything," said Akron's Barton.

Since then, Pace has used genetic sequencing to discover communities of bacteria from the New York City subway, household showerheads and inside the intestines of a Russian

surgeonfish (where he discovered the world's largest bacterium, *Epulopiscium fishelsoni*).

Scientists worldwide have followed.

In the mid 1980s, all known bacteria fit into about a dozen groups, or phyla. Today, there are about 150. Entire conferences are dedicated to the microbes living in our gut.

How many species are there?

"How many stars are in the sky?" said Pace. "It's one of those wonderful unknowables."

MAPPING THE UNKNOWN

The same could be said for the world's caves, which, thanks to Pace's hobby, we also understand better now.

Because GPS is hard to use underground, mapping a cave requires old-fashioned exploration: "You have to physically move through it and measure angles and distances," said Barton, a fellow caver.

For Pace, this has made for great adventures.

At Colorado's Spring Cave, he had to don full scuba gear, wear it as he scaled a waterfall, then drop into an underground river and swim, the water lit only with a headlamp, for 300 feet.

In a cave near Grenoble, France, he broke ribs when his backpack slipped, smashing him against a rock wall.

During one harrowing expedition through a Mexican cave, he was making his way down a wall near a frigid waterfall when the clip holding his rope popped open, hurtling him downward into the torrent until the rope caught him 30 feet below. He dangled upside down for minutes, cold water rushing over his head, before freeing himself. His fellow cavers thought he was dead.

"I actually went through the mental process of dying," said Pace, who led his last cave expedition in 2016. "That was interesting."

Mortality called again in 2017, when he had a seizure while preparing for a lecture.

I WENT THROUGH THE MENTAL PROCESS OF DYING.

"When I heard Stage 4 melanoma, I figured, F#\$@, I'm outta here" he said.

But after 18 months on the immunotherapy drug Keytruda, he's reinventing himself.

He recently remarried his former wife, Bernadette, a professional trapeze artist,

Tree of Life

BACTERIA

Thermotoga
Aquifex
Bacteroides
Cyanobacteria
Planctomyces
Spirochetes
Proteobacteria
Gram positives
Green Filamentous Bacteria

ARCHAEA

Pyrodicticum
Thermoproteus
T. celer
Methanococcus
Methanobacterium
Methanosarcina
Halophiles

EUKARYOTA

Entamoebae
Slime molds
Animals
Fungi
Plants
Ciliates
Flagellates
Trichomonads
Microsporidia
Diplomonads

Norm Pace's scientific work has helped fill in the tree of life, here shown in part.

he's on the lecture circuit, and though he's closed his lab, he teaches occasionally.

His protégés describe him as intimidatingly smart, at times cantankerous and extraordinarily generous.

"I am where I am today because of him," said Colorado School of Mines professor John Spear.

Each year, around Nobel Prize season, former students cross their fingers and whisper Pace's name.

He's humbled, but not holding his breath.

After he's gone, he has just one wish: "I want to be remembered as the guy who blew the door off the microbial world."

Comment? Email editor@colorado.edu.



Master of SOUL

NEVER UNDERESTIMATE THE POWER OF COMMUNITY, SAYS SOULCYCLE CO-FOUNDER ELIZABETH CUTLER.

By Christie Sounart

AMID THE SEA OF freshmen fidgeting in the stands of CU's basketball arena at convocation in August 1985, **Elizabeth Cutler** (DistSt'89) pondered what she'd just heard.

"First, he said 25 percent of us wouldn't be here next year because we'd flunk out," she said of a dean. "The second was that we'd have to be our own advocates, because CU is a large school. The third thing he said is don't get too focused on what job you think you are going to do, as 90 percent of us are going to do a job that has not yet been invented."

The final point struck a chord: You can blaze your own way.

Two decades later, in 2006, Cutler and a partner did it by opening a fitness center, SoulCycle, in a 1,400-square-foot former dance studio in Manhattan. It proved the start of a high-end fitness phenomenon.

"You could hardly find our front door, and we turned the hallway into the locker room," Cutler said. "But we were beyond freaking-out-excited."

Today, SoulCycle is a marquee name in the business of boutique fitness, operating 90 studios across North America. There are no memberships — exercisers book seats online by noon on Mondays — and classes sell out fast, even at \$40 or more per session. Charismatic instructors teach up-tempo cycling classes in candlelit rooms, shouting encouragement to cyclists by name. It's not uncommon for riders to cry as they pedal in sync in the dark.

"As I dabbed my eyes and my sweat after class," wrote an *Atlanta* magazine journalist in June, "I wiped away my cynicism, too. Whatever the special sauce, whatever the science, I'm sold on SoulCycle."

Acquired in 2015 by Equinox Fitness, SoulCycle was born of Cutler's search for community in New York.

Although a big-city girl from Chicago, she'd moved east from tiny Telluride, Colo., where she'd lived 10 years, working as a real estate agent and Jin Shin Jyutsu acupressure practitioner. She was used to seeing familiar faces on the street and taking restorative hikes with friends.

"By the time the hike was over, we had solved our problems and were ready to get on with our day," she said.

After the birth of her second daughter, in 2005, a friend invited her to a spin class. Cutler was anxious — about whether she'd finish, about how she'd feel afterward. She hungered for an urban sanctuary offering the physical, social and psychic benefits of an outdoor escape with friends.

Soon Cutler met Julie Rice, a former Hollywood talent agent with a similar yearning for socially fulfilling exercise. Over lunch they hatched a plan for a cycling studio prioritizing communal feeling.

"[T]here was really nothing out there that was efficient, that was joyful, that was about community," Rice told *Business Insider*.

Cutler found a tiny West 72nd Street studio for rent on Craigslist and the pair opened shop. They charged \$27 a session and adopted the then-unusual per-class reservation system to encourage riders to feel invested — and show up.

"We wanted to create an experience where people could clip into the bike when the lights came down, listen to a teacher who spoke to them in a real way and leave the class after 45 minutes having allowed their being to be able to sort everything out," said Cutler.

As SoulCycle grew, first in New York, then in California, celebrities discovered it. Kelly Ripa raved. Jake Gyllenhaal, David Beckham and Lady Gaga became regulars. Oprah came on her 60th birthday.

"We were in service for people living their best lives," said Cutler, who left SoulCycle in 2016, after she and Rice sold their full stakes to Equinox for \$90 million each. They now run LifeShop, a business advisory and investment firm.

Cutler still enjoys the fellowship of SoulCycle. Visiting Chicago last year, she joined a class — pedaling and sweating her way into harmony in the dark.

Contact Christie at sounart@colorado.edu.

The ART of Science

A CU ENGINEERING CLASS REVEALS THE BEAUTY AROUND US.

By Ula Chrobak

FLICKERING CAMPFIRE FLAMES, MILK swirling in coffee, shape-shifting clouds: For Jean Hertzberg, they're stunning visual manifestations of the physical forces governing our world.

Since 2003, the CU Boulder mechanical engineering professor has been sharing her enthusiasm for nature's beauty by teaching students to reveal the hidden splendors of mingling gases and liquids — and make art of it.

"I wanted to bring that to students so that they could find something uniquely pleasurable," Hertzberg said of "Flow Visualization," a fall class she offers that

has produced a rich and growing body of artworks, more than 900 and counting.

Some engineers might scoff at making art, but she thinks it's important.

"[Flow visualization] is fascinating and enriches us," she said. "It's a turning of our perceptions outward, and that makes us, I believe, better humans."

Hertzberg's own research involves creating 3D models of blood moving through the heart to see tiny changes in flow that can signal health issues. It could help improve medical diagnoses, she said — and "it's awesome to look at!"

The flow visualization class is wildly popular, and there's a long waitlist each year. It's capped at 35 students to leave plenty of time for critiquing art. Students learn to use camera settings, play with light and add dyes to illuminate otherwise invisible fluid flows.

Many of these flows can be created at home — soap bubbles, food dye dropped in milk, water spattering off a spoon. Some students also use laboratory

equipment to mix fluids with magnets, mirrors and membranes. In class reports, they describe the dynamics at play in their photos and videos.

Engineering courses tend to have firm instructions and test questions with clear right or wrong answers. But in Hertzberg's class, which is usually about three-quarters engineering students, she encourages them to follow their interests. "I don't tell them what to do — I give them resources," she said.

Owen Brown (MMechEngr'19) used mirrors to highlight the flow of heat rising off a lit match. At the same time, he was taking a course on combustion. "I was able to visualize what I was learning [in my other class]," he said, adding that flow visualization "takes those equations and brings them into the real world."

Brown said he's benefited by learning to communicate engineering ideas in an

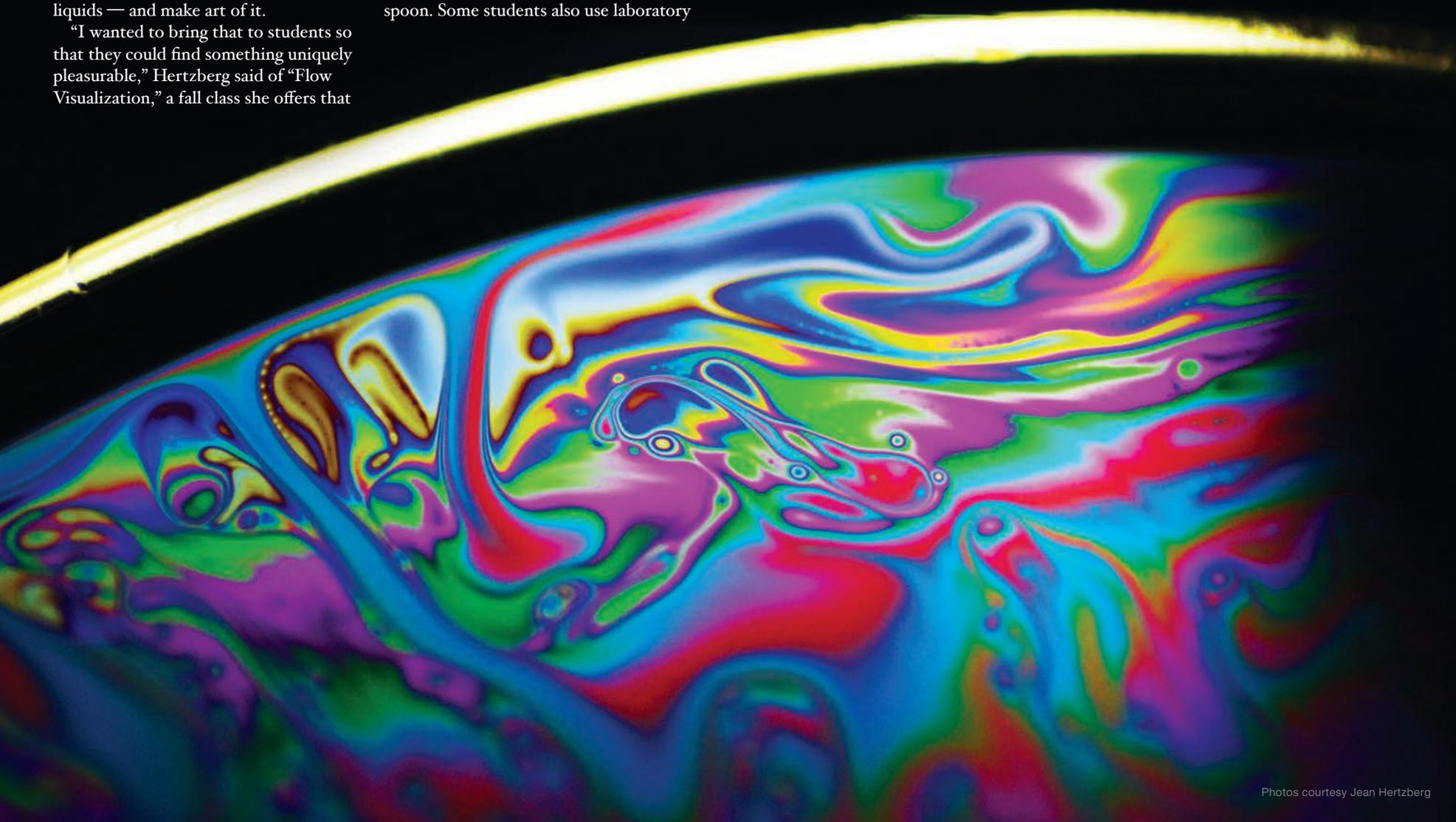
interdisciplinary setting through class presentations and critiques.

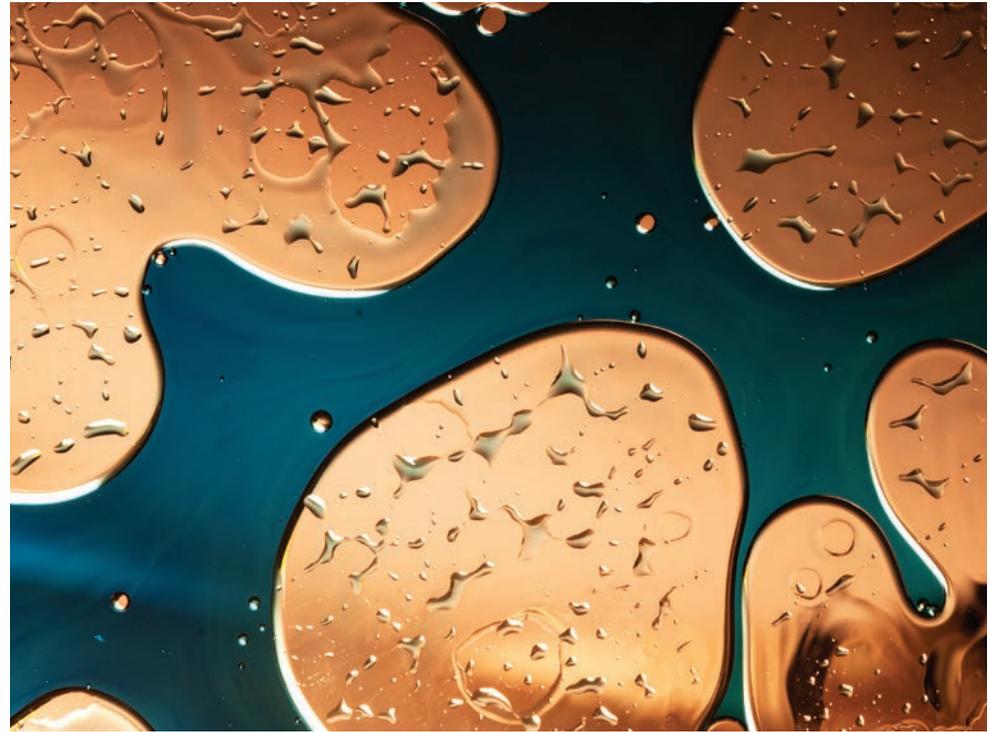
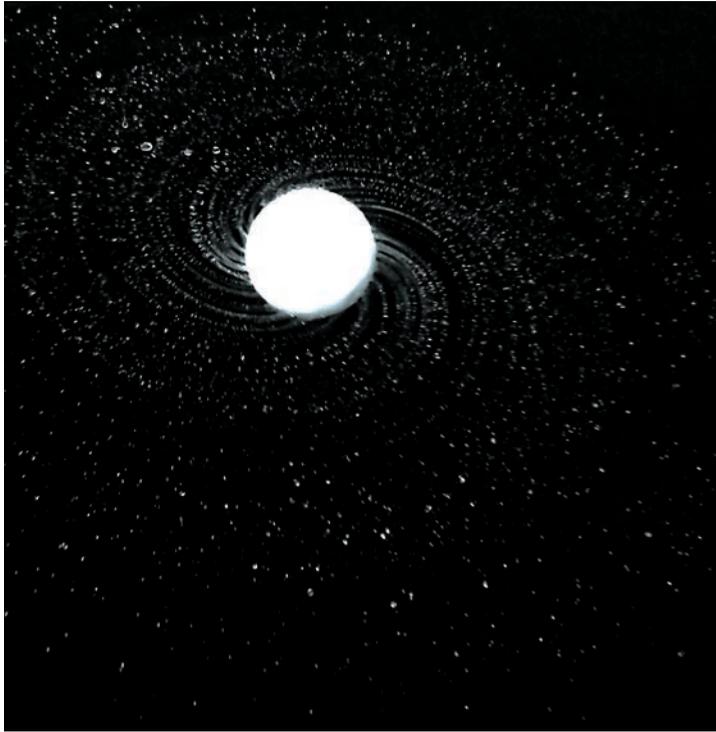
For art student **Rayna Tedford** (MArt'03) the class "fostered a deeper interest in science." Her work improved her photography, because she learned new ways to create abstract images, she said.

Working in teams with engineers, she added, felt like "we were functioning as a whole brain. ... It made me learn to value those types of teams."

Brown is now captivated by his morning coffee, marveling at the way the dense, cold cream runs down in clear lines through the hot liquid. The ritual drink has become a new kind of experience, a moment of immersion, he said, in "the beauty of the natural world."

Comment? Contact editor@colorado.edu.





CAPTURE
In Flow Visualization, students capture the striking behavior of liquids and gases.

CREATE
Even everyday materials suffice: The left image uses sugar and soap, the right molasses and water.



REVEAL
Former students say the class changed their perception, revealing flows everywhere.





LIVING Like Julia Child

WANT TO COOK IN JULIA CHILD'S KITCHEN?
 CRAIG HELD CAN MAKE IT HAPPEN.

By **Christie Sounart**

IN THE KITCHEN OF La Pitchoune, the French Airbnb run by **Craig Held** (Psych'74) and his family, a fragrance of herbs, meats and simmering wines recalls the aromas that routinely scented the space beginning in the mid-1960s.

For nearly three decades, the stucco cottage was the summer home of American chef and cookbook author Julia Child and her husband, Paul. Today, Craig Held, wife Tina and daughter Makenna preserve the Childs' epicurean legacy in the hilly French

countryside by operating the property as a cooking school and vacation rental.

"Makenna imitated Julia as a child," said Craig, a retired business executive who acquired La Pitchoune in 2016 at Makenna's urging. "Now she's 6'1", wears the same size 12 shoe as Julia [who was 6'2"] and went to Smith College like she did."

Located about 10 miles north of Cannes, France, La Pitchoune (which translates as "little thing") is available seven months a year for up to six adults in three rooms, starting at \$970

a night. During the remaining months — April, May, June, September and October — it becomes the Courageous Cooking School. Guests receive six days of live-in cooking lessons and excursions led by Makenna, who is a Le Cordon Bleu-trained chef.

The Helds bought the property in 2015, after Makenna, then 30 and teaching skiing in Beaver Creek, Colo., saw a story in *The New York Times* about the house and felt an immediate draw to it — especially to the kitchen.

“My greatest fear?” said Makenna. “Someone would gut the kitchen and demolish the legacy Julia had left behind. ... I knew that someone who wanted to keep the house somewhat, if not completely intact, had to buy it. I wanted to be that somebody.”

Besides a model of a Julia Child kitchen in the Smithsonian, La Pitchoune is the last original Julia Child kitchen, said Craig. The extra-tall countertops remain, as do the pegboards Paul installed on the walls with his hand-tracings of the utensils Julia hung there.

The Childs built the home around 1963 on the three-acre property of Julia’s friend and *Mastering the Art of French Cooking* co-author Simone Beck. Julia gave the home back to the Beck

family in 1992, when Paul became ill. He died in 1994, Julia in 2004.

A student of Beck’s owned the home next and ran a cooking school there. She listed it in 2015 for \$880,000. After the Helds acquired it, they decided to run the 1,500-square-foot dwelling as a family business.

INSIDE THE KITCHEN, IT FELT AS IF LITTLE HAD CHANGED.

“Airbnb was the platform that seemed most appropriate for us at the time,” said Craig, adding that the online property rental firm was eager to promote the family’s unique listing, which describes the

home as “a foodie paradise in Provence.” (The house also can be rented online at lapeetch.com.)

La Pitchoune quickly drew interest from food writers at *The New York Times*, *Vogue*, *Food & Wine* and *Condé Nast Traveler*.

“Change is rampant in this part of Provence,” wrote Julia Moskin, a *Times* food writer who spent a week cooking at the house. “But inside the kitchen of La Pitchoune, it felt as if little had changed.”

The home offers fresh opportunities for Craig, who helped coach the CU ski team under Olympian **Bill Marolt** (Bus’67). For most of his career, Craig worked as an executive at Pepsi, Taco Bell and Paramount Farms. Just 10 days before Makenna called him about La Pitchoune, he’d left his job as executive vice president of XetaWave, a software-defined radio company in Louisville, Colo.

Now, when he’s in France with Tina on one of their three annual trips, his focus is on providing guests with cozy comforts: “We welcome guests with charcuterie, wine and a fully stocked Julia Child kitchen,” including all pots, pans, knives and baking dishes, he said.

Two years in, the Helds’ recipe for La Pitchoune appears to be a hit.

“You will have moments throughout where it seems surreal and unimaginable that you are cooking in Julia Child’s kitchen, in her house,” wrote one Airbnb reviewer. “It was a week in paradise.”

Contact Christie at sounart@colorado.edu.



Photo by Everett Collection Inc. / Alamy Stock Photo

FIVE AND COUNTING

CU Boulder boasts five Nobel laureates, four in physics and one in chemistry. Perhaps the world's premier honor for intellectuals, and certainly the best known, it celebrates individuals who have "conferred the greatest benefit to humankind" through their work.

Since the award's inception in 1901, 904 people have won the Nobel — not to mention a measure of fame. Here's the scoop on CU's own scientist-celebrities.

Carl Wieman & Eric Cornell
PHYSICS, 2001

AWARDED FOR: "The achievement of Bose-Einstein condensation in dilute gases of alkali atoms, and for early fundamental studies of the properties of the condensates."

IMPACT: By cooling rubidium atoms to an extremely cold temperature — minus 459.67 Fahrenheit — Wieman and Cornell created a condensate, a new type of matter distinct from solid, liquid and gas. The discovery enabled scientists to better understand quantum behavior.



Carl Wieman ^

TIME AT CU: 1984 to 2013

FUN FACT: While an undergraduate at MIT, Wieman moved into his lab: "After spending many very late nights by myself taking data in the lab and showering every day at the athletic center after exercising, I started to wonder why I was paying all that money, of which I had little, to rent a dormitory room I almost never saw."

QUOTE: "I know you can double how much a student learns depending on what method the instructor is using," Wieman told NPR in 2016. Since receiving the Nobel, he has worked to improve teaching methods in STEM fields.

WHERE HE KEEPS HIS MEDAL:

Donated to CU

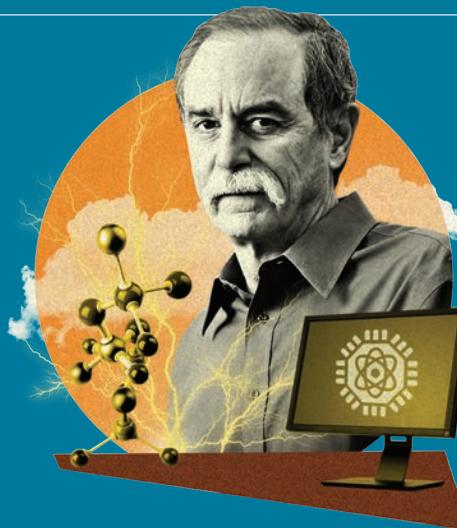
Eric Cornell ^

TIME AT CU: 1990 to present

FUN FACT: Cornell passed much of his childhood reading: "In elementary school I often kept my desktop slightly open and affected an alert-looking pose that still allowed me to peek into the desk where I kept open my latest book, as interesting as it was irrelevant to the academic subject at hand."

QUOTE: "I thought I had a chance [of winning a Nobel], but I thought it would be 25 years from now," he told the *Washington Post* in 2001.

WHERE HE KEEPS HIS MEDAL: Top secret



< **David Wineland**
PHYSICS, 2012

TIME AT CU: 1975 to 2017

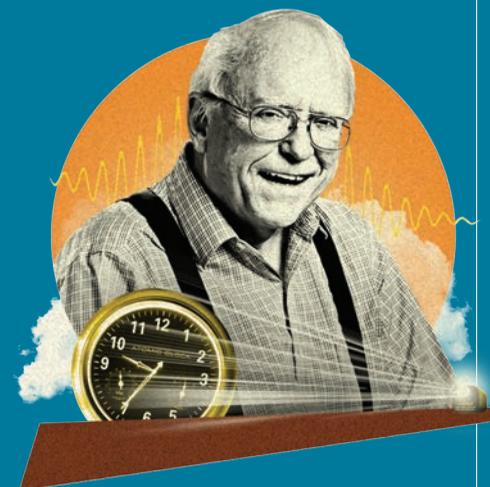
AWARDED FOR: "Ground-breaking experimental methods that enable measuring and manipulation of individual quantum systems."

IMPACT: By creating a method to trap electrically-charged atoms, he contributed to the development of extremely accurate atomic clocks, which base their measurements of time on the vibrations of atoms and are used in GPS technology. The work is also useful in quantum computer development.

FUN FACT: A fellow physicist in 2012 told the *Washington Post* that Wineland is "universally acknowledged to be one of the true nice guys in physics, which is not something that can always be said about Nobel laureates."

QUOTE: "One of the interesting aspects of quantum computing is the possibility of massive memory storage."

WHERE HE KEEPS HIS MEDAL: In a lock box



John "Jan" Hall ^
PHYSICS, 2005

TIME AT CU: 1964 to present

AWARDED FOR: "Contributions to the development of laser-based precision spectroscopy, including the optical frequency comb technique."

IMPACT: Enables scientists to accurately measure frequencies of light, which can help calibrate atomic clocks.

FUN FACT: He installed the electrical wiring and plumbing at his family's mountain cabin in Marble, Colo., and is "very proud" to have received no violation notices from state inspectors.

QUOTE: He once likened the potential of his work to that of a baby: "Now, you might ask, 'What's the practical use of a baby?' Man, just hang on 20 years, and something good is going to happen. That's the case with the tools we have made."

WHERE HE KEEPS HIS MEDAL:

Donated to CU



Thomas Cech v
CHEMISTRY, 1989

TIME AT CU: 1978 to present

AWARDED FOR: "Discovery of catalytic properties of RNA."

IMPACT: While scientists already understood RNA's role in relaying genetic information, Cech revealed that the molecule also functions as a catalyst by helping speed up chemical reactions in cells — this was a fundamental shift in biology, with implications for our understanding of how life itself came about.

FUN FACT: "Many chapters in our textbooks have to be revised," wrote The Royal Swedish Academy of Sciences of Cech's work.

QUOTE: "We were too steeped in the dogma of all the biology textbooks. . . . It took more than a year to convince ourselves that what was happening was true," Cech told the *Washington Post* of his discovery.

WHERE HE KEEPS HIS MEDAL: "I used to keep The Medal under my mattress, but it made it lumpy and hard to sleep on, so I had to move it!"



The CONGRESSMAN

FORMER CU STUDENT BODY PRESIDENT
JOE NEGUSE GOES TO WASHINGTON.

By Eric Gershon

THERE HE IS WITH Nancy Pelosi in the House Chamber. There he is making phone calls with Joe Biden. There he is addressing the press, Bernie Sanders behind one shoulder, Cory Booker behind the other.

That's him on C-Span, CNN and CBS' "Face the Nation."

Former CU Boulder student body president **Joe Neguse** (Econ, Pol-Sci'05; Law'09) made a name for himself in Colorado. Now he's doing it in Washington, D.C.

In November the one-time Baker Hall resident was handily elected to Congress from Colorado's 2nd District, which includes Boulder, becoming the first CU graduate to represent the university's hometown in the House of Representatives since 1975 and the first African-American elected to Congress from any part of Colorado.

Neguse, 34, hadn't been sworn in yet when he emerged as a prominent member of Congress' incoming class, the most demographically diverse in the nation's history. Within weeks of the Nov. 6 election, he was elected to the House Democratic leadership as co-freshman representative. Soon afterward, he was asked to deliver the party's final weekly address of 2018.

Since taking office Jan. 3, Neguse has won seats on the House Judiciary and Natural Resources committees, the latter of particular interest to Colorado, given its influence over policy affecting public lands, outdoor recreation and wildlife. As of late January, he had introduced more bills than any freshman member of the 116th Congress.

No one who knows him is surprised.

"You never saw him wasting time," said **Steve Fenberg** (EnvSt'06), majority leader of the Colorado State Senate, recalling his days with Neguse at CU, where they became close. "He was always doing something in service of his goals."

AMERICAN TALE

The son of Eritrean refugees and a self-described "eternal optimist," Neguse has been on an upward trajectory in public life since his teens.

Born in California and raised in Highlands Ranch, Colo., he arrived at CU as a freshman in August 2002 with an impulse toward "civic activism," he said in a January interview with the *Coloradan*.

He made connections in student government, worked on projects related to diversity, affordability and higher education finance, and eventually became a tri-executive, or co-president. He campaigned for statewide ballot measures and served as a Boulder Housing Authority commissioner, a city council-appointed post, while earning a reputation as a thorough student with a sense of humor and authentic humility.

Amid all that, Neguse managed to hold down a job at the CU Rec Center, find time for intramural basketball, write an honors thesis about failing nation-states and graduate from CU a semester early with two majors and summa cum laude honors.

HE FIRST WON OFFICE AT AGE 24.

“I distinctly remember him coming in one week having consulted sources tracing back in African history to the 15th century,” said CU political scientist David S. Brown, who led Neguse’s honors thesis committee (and whom Neguse credits with “a profound impact on my career”). “He uncovered pre-colonial trade routes to help explain why certain countries were able to maintain fairly stable exchange rates, a key government

responsibility that is usually beyond the ability of most failed states.”

Brown added: “I feel honored that Joe regards me as a mentor, but I know better — I’ve always been the one learning from him.”

Between Neguse’s December 2005 graduation and his return to CU for law school (where he would be elected class president), he worked for Andrew Romanoff, then speaker of the Colorado House of Representatives, and co-founded New Era Colorado, a nonprofit foundation that promotes civic engagement among young people through voter-registration drives and leadership training.

By 2008, according to the *Denver Post*, Romanoff was already joking that “one day we will all be working for Joe.”

That was the year Neguse, then 24 and still in law school, won election to the CU Board of Regents, which governs all four CU campuses. Among the youngest Regents ever, he served six years, representing the district he now serves in Congress.

In the years to come, Neguse would join one of Denver’s oldest law firms, Holland & Hart, run for Colorado Secretary of State, fall short, and join then-Gov. John Hickenlooper’s cabinet as executive director of the state’s consumer protection agency.

In June 2017, just after Jared Polis, now governor, announced he would seek that office instead of a sixth term

“I REFLECT A GREAT DEAL ON THEIR JOURNEY,” NEGUSE SAID OF HIS PARENTS, WHO FLED ERITREA IN THE EARLY 1980s.

in Congress, Neguse said he would run for the seat. Now he’s a sitting member of the House of Representatives, serving alongside an unprecedented number of women, the first Muslim and Native American women and the youngest congresswoman, Alexandria Ocasio-Cortez of New York, 29.

Neguse’s background gives his arrival as a major Colorado public figure a quintessentially American cast.

Born in the U.S. to immigrant parents who fled chaos in Eritrea in the 1980s, he grew up in Highlands Ranch and attended ThunderRidge High School. His parents, Debesai and Azeib Neguse, put themselves through school and raised Neguse and his sister, Sarah, with an appreciation for opportunity.

“I reflect a great deal on their journey,” said Neguse, whose parents, wife **Andrea** (Jour’11) and infant daughter Natalie attended his swearing-in. “It’s never too far from my mind.”

WASHINGTON

His early weeks in the capital were predictably busy.

Neguse set up shop in the Longworth House Office Building, began hiring staff, including district director and deputy chief of staff **Sally Anderson** (Int’lAf’12), gave his first speech on the House floor and held town hall meetings in Estes Park, Fort Collins and Broomfield. He participated in efforts to end the 35-day government shutdown, introduced a flurry of bills — and spent a lot of time in the air. By his count, he took 10 flights in his first month in office.

During a mid-January return to Colorado, he came to CU for a ceremonial second swearing-in at Colorado Law. His former professor Melissa Hart, now a state Supreme Court justice, administered the oath in Wittemyer Courtroom before an assembly that included Polis and former Colorado Law Dean Phil Weiser, now the state attorney general.

In brief remarks, Hart recalled that

Neguse’s first law school class was the opening session of her civil procedure course. When she entered the room, she said, she noticed one student had the attention of most of the others.

Describing Neguse as smart, funny, collaborative and “extremely kind,” she called him “exactly the kind of person you might want as your Congressman,” regardless of party affiliation.

Neguse’s early priorities in Washington have included public lands protection, voting rights, climate change, prescription drug costs, gun safety and immigration.

Higher education is on his agenda, too.

Well versed in the challenges facing colleges and universities from his years as a regent, Neguse said he was preparing legislation that would make it easier for students to transfer credits between two- and four-year schools, and is looking at ways to lower textbook costs.

He also plans to advocate, as he has since he was a student, for greater access to financial support for public higher education.

Constituents passing through Washington should feel at ease relaying their priorities in person: Beneath his office nameplate, Neguse has posted a sign that reads, “This office belongs to the people of 2nd Congressional district of Colorado.”

Comment on this story? Email editor@colorado.edu.

ABOUT JOE NEGUSE

AGE: 34

JOB: U.S. Representative, CO-2

BEFORE: Lawyer, head of Colorado’s consumer protection agency

AT CU: President of student government, law school class; summa cum laude honors

NOTABLE: First African-American elected to Congress from Colorado; elected CU Regent at age 24



Congressman Joe Neguse (left) in his former days as a member of the CU Board of Regents.

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so you can
take charge of it.

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Alumni

News SPRING 2019

A Meeting of Minds

GET READY FOR THE 71ST ANNUAL CONFERENCE ON WORLD AFFAIRS



Hope Solo, former U.S. soccer goalkeeper, will speak at CWA.

How do editing, music and character design come together to tell a story in the Pixar film *WALL-E*? That's just one question you might ponder during a four-part event called "Ebert Interruptus" hosted by film critic Josh Larsen at this year's Conference of World Affairs April 9-13. You'll also learn about nature-inspired design, relationships in the dating app-era and immigration.

The weeklong extravaganza, unfolding at CU Boulder since 1948 (and once frequented by the celebrated late film critic Roger Ebert) will feature more

than 200 events and 100 speakers from around the U.S. and abroad.

Leyla Acaroglu, a designer whose talks challenge audiences to reconsider their ideas around sustainability; will deliver the opening keynote address April 9. Other scheduled speakers include Hope Solo, the Olympic gold medal-winning American soccer player; Chris Borland, a former San Francisco 49ers linebacker and current advocate for brain injury awareness; and Emmy-winning writer and producer of *The Simpsons* Mike Reiss.

The event lineup will cover myriad topics organized around three broad themes: "Design for Life: Breaking the Bubble," "Disruptive Tech" and "Women & Girls Changing the World."

Many conference panelists participate in several events, so there's usually more than one chance to hear them.

Hotel discounts are available for alumni. Many talks and discussions will be streamed live online, and all will be available as audio recordings after the conference. The event has an app for users to submit questions in real time, from anywhere. Find out more at colorado.edu/cwa.

Alumni are invited to a free CWA breakfast at Koenig Alumni Center on April 10 at 8 a.m.

Photo courtesy Hope Solo

DIRECTORS CLUB: SUMMER CONFERENCE

Members of the Directors Club, a 50-year-old CU Boulder group that raises money for Alumni Association student scholarships and capital projects, are invited to their annual summer conference, June 13-15, at the Colorado Springs Cheyenne Mountain Resort. The weekend includes a spirit night with new head football coach Mel Tucker, a golf tournament and talks by Magdalene Lim, director of the aging center at the University of Colorado Colorado Springs, and Richard White, director of UCCS' cybersecurity programs. Register at colorado.edu/alumni/directorsclub. Membership is open to alumni and non-alumni supporters, and involves a one-time tax-deductible \$900 donation.

ALUMNI ASSOCIATION TIDBITS



This year's Dinner with 12 Buffs parties will take place April 11-14. Between 40 and 50 dinners will bring together alums in cities nationwide and abroad. For more information, visit colorado.edu/alumni/dinnerwith12.



The Alumni Association is accepting nominations for its annual awards program through April 15. Students and non-alumni staff and faculty are also eligible for some awards. Each year, about a dozen winners are celebrated for their career achievements and community involvement. The association will honor them Nov. 7 at the 90th annual Alumni Awards Ceremony and Dinner in the Glenn Miller Ballroom. Learn more and submit a nomination at colorado.edu/homecoming/alumniawards.

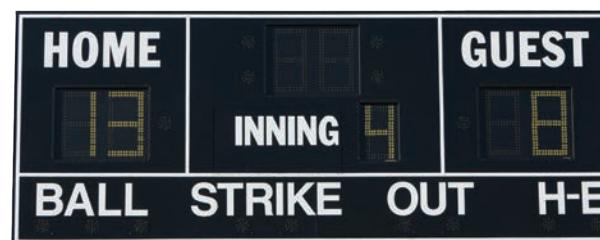


Juli Rasmussen (Jou'02) took over leadership of the Grand Valley alumni chapter, which won the Chapter of the Year Award at the Alumni Association Awards Dinner during Homecoming 2018. Visit colorado.edu/alumni/chapters to find your local group.



Join fellow Forever Buffs for a night of baseball at the Alumni Association's Buffs at the Ballpark events this summer. For more information, visit colorado.edu/alumni/buffsattheballpark.

Photo by @iStock/33ft



2019 TRIPS



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Oct. 1-12, 2019



PATAGONIA EXPLORER

Oct. 28-Nov. 11, 2019



ARTISTS AND ARISTOCRATS

Oct. 29-Nov. 6, 2019



POLAR BEARS OF CHURCHILL

Nov. 8-13, 2019

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



LET THERE BE LIGHT

When **Nicholas DeFaria** (EnvDes'19) designed and built three high-end lamps for his "Introduction to Digital Design & Fabrication" course, he already knew where they

would hang: In his soon-to-be-born baby's bedroom.

His classmates were planning to auction their lamps at an environmental design department gala in April, to raise money for the program.

The lamps were featured in CU's Red Room Gallery throughout November.

Students used tools such as 3D printers, laser cutters and CNC milling machines, along with computer software, to design

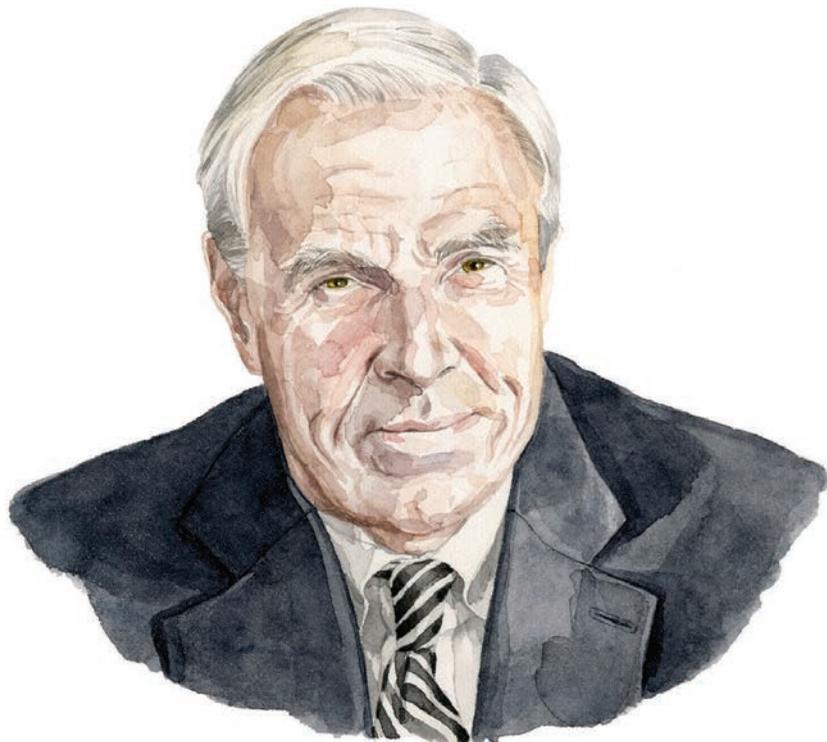
and assemble stylish and functional light fixtures using LED bulbs or strips.

"Over time this 'digilamp' assignment has turned into somewhat of a *happening*," said Marcel de Lange, who teaches the course.

In truth, he said, it's more than a mere introduction to design. It gives students the opportunity to learn by doing, and to follow their vision from concept to design to product.

"The idea that you

can learn how to design a house or a piece of furniture or a lamp from a book or theory alone is somewhat archaic in today's world of design-thinking and design-making," he said.



BEDROCK

The University of Colorado will celebrate its sesquicentennial in a few years, which got me thinking — I've been associated with CU for a large part of my life and more than a third of the university's.

It's been an honor and a privilege to serve as president these past 11 years. It will be bittersweet when I retire from the university in July. Like most of you, CU has made its mark on me, and I tried to return the favor.

In many ways, it's a far different place from when I arrived more than 50 years ago. In other important ways, it hasn't changed at all.

CU remains a place where opportunity abounds. It changes lives. And to borrow a marketing phrase from a few years back, in Boulder there are minds to match our mountains.

The campus obviously looks quite different from when I arrived in 1961 to study geology. It had just over 11,000 students then and has nearly 35,000 now. There are new buildings to meet the demands of more students. Technology is a huge change and will continue to be.

The campus also has a renewed commitment to free speech and the respectful debate and discussion of

ideas. This ideal is exemplified in the Center for Western Civilization, Thought and Policy, which provides a forum to address some of the pressing issues of our time in an atmosphere of open, honest debate and discussion.

It's a manifestation of our commitment to teach students how to think, not what to think. And it's one of the things I'm most proud of.

Despite the changes, the fundamental activities that have always made CU great remain firmly in place. Our faculty is first-rate. They are teachers, scholars and researchers, among the best in the world. People who taught me, like Bruce Curtis and Doc Thompson, passed the torch to people like Tom Cech and Patty Limerick and hundreds more like them.

Faculty still conduct research that changes lives and improves our society. CU is still a place that makes the world a better place. As I approach the end of my presidency and CU closes in on its 150th anniversary, I have every confidence that what makes us great remains the bedrock of our university.

Bruce D. Benson (*Geol'64, HonDocSci'04*) became CU's president in 2008.

Illustration by Melinda Josie



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Sports

News SPRING 2019

By *Andrew Daigle (PhDEngl'16)*

Hammer Thrower

CU SENIOR ELISA GRANDEMANGE DOESN'T DO MUCH CARDIO OR STRETCHING. SHE SPINS, ACCELERATES AND THROWS WEIGHT — HIGH AND FAR.

ELISA GRANDEMANGE'S (NEURO'19) license plate reads "E THROWS." It makes sense: Every day she spends hours practicing discus, javelin and hammer throws.

Most afternoons, the CU senior is among a handful of track-and-field athletes laboring at CU's Potts Field throwing ring — heaving, refining form, keeping alert for errant missiles. They launch, rise, fly and arc back to earth, gashing it.

When Grandemange — a two-time Washington State high school discus champion and a triple-threat thrower at CU — lines up alongside competitors, she stands out.

"I'm almost always the smallest one out there," she said.

At 5'5", Grandemange relies on technique, touch and thousands of repetitions for success, including a personal best in the hammer in May, when she threw it 59.71 meters (195.89 feet) at NCAA Regionals.

Her mother, Leila, was a professional ballerina, and Grandemange, who was born in France, said she "learned rhythm, choreography and body awareness" early, all of which help when spinning 1,260 degrees in a few seconds with the briefest optimal window — a fraction of a second — to launch the 8.82 lb (4 kg) hammer.

Grandemange is exactly what her CU coach, Casey Malone, is looking for. "I would take the fast, coordinated, hard working, skillful, great competitor and fearless athlete any day over a larger athlete," Malone said. "Elisa is all of those things."

In the 10th grade, shin splints led Grandemange to step away from sprints and hurdles. She turned to javelin and discus. Her technique impressed coaches.

The hammer throw — now her specialty — came late.

"Hammer isn't a high school sport," she said. "It tears up the field. I had never even seen one until senior year."

That's when a local hammer coach introduced her to it.

They began practicing at a ring on an abandoned part of a golf course "in the middle of nowhere," Grandemange said.

Five years later, the decision to add the hammer to her repertoire has led to a degree of NCAA prominence, and a recipe of sorts: A burst of ballet steps, four rotations — and a long throw.

The hammer weighs 8.82 pounds.



New CU football coach Mel Tucker arrived in December.

TUCKER TAKES OVER BUFFS FOOTBALL

Mel Tucker was named CU's 26th head football coach in December, succeeding Mike MacIntyre, who was let go after delivering a 14-39 Pac-12 record over six seasons.

Tucker, 47, a former University of Georgia defensive coordinator and secondary coach, signed a five-year, \$14.75 million contract.

Nick Saban, the Alabama and six-time national champion coach, hired Tucker three times and calls him "one of the brightest coaches in our profession." A University of Wisconsin alum, Tucker has coached for six universities and three NFL teams.

A new priority at CU will be adding bigger, stronger players, he said: "We need to be stout in the trenches. We have to be able to move people."

Tucker will lead the Buffs onto the field for the first time April 27, for the annual spring game.

"Colorado should be a 'no excuse' program," he said.

BUFFS BITS

Kennedy Leonard (Comm'19) delivered her 613th career assist Dec. 30, becoming CU women's basketball's all-time assists leader. ... **Phillip Lindsay** (Comm'18) became the first undrafted rookie named to the NFL Pro Bowl, before a wrist injury ended his season with one game left. ... Fresh off a three-year, \$34 million extension with the Brooklyn Nets, **Spencer Dinwiddie** (Comm ex'15) will wear 82 different pairs of custom sneakers this season and auction off each worn pair for charity. ... CU Sports Information Director **David Plati** (Jour'82) received the Football Writers Association of America's Lifetime Achievement Award. He's in his 35th year as the Buffs' SID. ... The Colorado Sports Hall of Fame named runner **Dani Jones** (Psych'19) collegiate athlete of the year. ... **David Bakhtiari** (Comm ex'13) of the Green Bay Packers was named All Pro left tackle for the 2018 NFL season, recognizing him as the best at his position. ... CU women's hurdlers took six of the top seven spots in one 60-meter race in January, including the top three.

Photos courtesy CU Athletics

STATS

8

Olympic skiers raced in the season-opening CU Invitational at Eldora.

23

Points **Derrick White** (Bus'17) sank in Spurs' Jan. 154-147 win over Thunder (NBA).

FIRST

Place for **Alexandra Schwein** (Math'20) in Triathlon Collegiate Club National Championships.

17

Lacrosse team's pre-season ranking

25TH

Player picked in women's pro soccer draft: **Erin Greening** (Comm'19).

4/27

Date of spring game for Buffs football.



RIDE AND RUN

Grant Ellwood (*MechEngr'19*), runner-up in the 2017 cyclocross collegiate club national championships, claimed the 2018 title in December in Louisville, Ky. Here the Boulder native talks about what cyclocross is, what it takes to win and why it might be fun to see a race up close.

What is cyclocross?

You use a road bike, but with knobby tires. You ride through grassy fields and go over obstacles. There are barriers to run over, or people jump them. Some inclines are impossible to ride up. You end up having to get off the bike and run up hills. It's a mix of sports.

Are you allowed to get off the bike as often as you want?

Some sections are faster when you're off the bike and running, because it might have a slippery turn where you will crash nine out of 10 times. There are no rules against running, but it's usually faster to ride, if you can.

What makes cyclocross different from mountain biking?

The bikes are quite a bit lighter and you

can't have flat or mountain bike bars, so you have to have drop bars. There are also rules that limit tire width.

How did you get started?

I had been racing mountain bikes since I was nine. In high school, some parents from my team started a top-level cyclocross team in Boulder. I tried it, and it was super fun.

Did it influence your decision to attend CU?

CU's a great school for engineering. I was looking at cycling-specific schools, with varsity programs, but none of them had the academics like CU.

You've raced for five years at CU. How has the sport changed?

The biggest thing is how much riding you do. When I started, everyone ran over all the barriers. They're pretty tall and not easy to bunny hop. The bikes are fully rigid, too. Now, everyone's riding over everything. Riders have gotten more skilled.

What is a typical cyclocross race like?

The only thing you know is where the

course is going to be and how long you'll race. We typically race for 40 minutes. It goes by minutes, not miles. Each lap can be about three kilometers and six to 10 minutes. After one or two laps, you get a sense of how many laps you can fit in.

What does it take to be competitive?

A lot of time. We're training 15 hours a week, just on the bike. I usually have an off day, but I'm on the bike every other day. Depending on the schedule, I might take it easier on Friday, and then race all weekend.

You finished second at nationals last year. How did you put yourself over the top this year?

The different course helped. I'm a good runner, and nationals was so muddy that there was a lot of running. It was a hard, hard race. It wasn't tactical. Put your head down and keep going hard. I just had a better day and didn't make many mistakes.

What is most challenging for you?

School. Especially last semester, with senior design. Some weeks, I rode

once, for an hour. But it's a good trade off.

Do you have plans for after CU?

I want to give racing a shot. Ideally, I'd find part-time work that's flexible, in engineering, but that's kind of a fantasy. I'll probably race for a year or two and then reevaluate.

Can you race cyclocross professionally?

There's prize money, but not enough to live off. You have to find the right team or get sponsors.

What don't people know about cyclocross?

Most people don't think it's fun to watch cycling. But we're doing short laps and there are a lot of crashes. We have races at Valmont Bike Park. There are vendors and food trucks. It's festive. There are races all day, and you'll see a person five or six times from one point on the course, since it wraps around itself. It's a cool sport.

Condensed and edited by Andrew Daigle (PhDEngl'16).

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Notes CLASS

50s, 60s & 70s SPRING 2019



Jacob Ross (EvoBio ex'21), center, and friends skydive in New York State.

'59 Robert C. Harvey (A&S'59) received the Inkpot Award at the 49th annual Comic-Con International in July 2018 for his achievements in the comic arts. Past winners include Ray Bradbury, Milton Caniff, Chuck Jones, Jack Kirby, George Lucas, Stan Lee and Charles Schulz. "I'm in distinguished company," Harvey said, "and I'm appropriately humbled as well as honored." Since 1994, Harvey has written nine books about cartoonists and cartooning, and has edited or compiled five more. His work can be viewed at RCHarvey.

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

com. As an undergraduate, he drew cartoons for the campus newspaper.

'62 After attending CU in the 1960s, **Noble Milton** (A&S'62) moved to New Jersey, where he worked in trucking and in ministry. An avid sketch artist, he once drew Martin Luther King Jr. at a speech in Jersey City in 1968. Noble has six children, three grandchildren and two great-grandchildren. He fondly recalls his time as a running back with the close-knit CU football teams of the early '60s. During that time, the team protested racial segregation, refusing to play in the 1962 Orange Bowl unless all players could sleep at the same

hotel. Noble lives in Newark, New Jersey. He would like to hear from former teammates and can be reached via daughter MiMi Milton at 732-447-8900.

Lew Watters (Hist'62) writes that the *Coloradan* is "always devoured, and then shared with my six grandchildren." Every fall, his family gleans apples at the Liberty Orchard in Brookfield, Vermont, to make apple cider using an old 19th-century wooden cider press. After reading a recent *Coloradan* article about Boulder County apple orchards, Lew wrote that his family hopes to continue the apple cider tradition into the next generation, perhaps even someday owning Liberty Orchard.

'67 "Sonny" W. Harold Flowers, Jr. (Engl'67; Law'71) writes that he received the Johnnie L. Cochran Jr. Soaring Eagle Award from the American Association for Justice at the organization's annual convention in Denver in July 2018. The award was established in 1997 to recognize lawyers of color who have overcome obstacles as they travel the road to personal and professional success. The AAJ Minority Caucus presents the award annually to an attorney who, despite the challenges of his or her own journey, pursues excellence and has made outstanding efforts and contributions in paving the way for others.

'68 After graduating from CU, **William "Bill" Wardwell** (Econ'68) was a pilot in the U.S. Air Force for 23 years, serving in the Vietnam War and Operation Desert Storm. He writes that he flew the Lockheed C-141 Starlifter jet all over the world from the Travis Air Force Base in California. One mission involved flying scientists and others to the U.S. McMurdo Research Station in Antarctica. He retired in 1991 as a lieutenant colonel. He and wife **Kathleen Perrin Wardwell** (Engl'68) recently celebrated their 50th wedding anniversary. They live in San Mateo, Calif.

'71 Thomas D. Phillips (MMgmt'71) co-authored the book *Fire in the North: The Minnesota*

Uprising and the Sioux War in Dakota Territory. It recounts the Dakota War of 1862, also known as the Sioux Uprising, which, until exceeded by the tragic events of Sept. 11, had the highest number of civilians killed on American soil. Thomas' other books on military history include *Boots and Saddles: Military Leaders of the American West*, *In the Shadows of Victory: America's Forgotten Military Leaders, 1776-1876*, and *In the Shadows of Victory II: America's Forgotten Military Leaders, The Spanish-American War to World War II*. He and wife Nita live in Lincoln, Nebraska, where he

writes and teaches at the Osher Lifelong Learning Institute at the University of Nebraska.

'72 Jake Shepley (Econ'72) recently celebrated the birth of his third grandchild. He writes that he's still active as a commercial real estate broker and has started playing paddle tennis. "Life is good!" he writes. Jake lives in St. Louis with wife Carole.

'74 For the past 28 years, **Patricia L. Wright** (Art'74) has taught art in NYC-area public schools. After CU, she lived in the San Francisco Bay area and

PATRICIA L. WRIGHT (ART'74)
IS CREATING A
PHOTO SERIES
DOCUMENTING HER
EXPERIENCE AS A
BREAST CANCER
SURVIVOR.

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Write Christie Sounart, Koenig Alumni Center, Boulder, CO 80309, or classnotes@colorado.edu

NOBLE MILTON (A&S'62) FONDLY RECALLS HIS TIME AS A RUNNING BACK WITH THE CLOSE-KNIT CU FOOTBALL TEAM IN THE EARLY '60S. DURING THAT TIME, THE TEAM PROTESTED RACIAL SEGREGATION, REFUSING TO PLAY IN THE 1962 ORANGE BOWL UNLESS ALL TEAM MEMBERS COULD SLEEP AT THE SAME HOTEL.

served in the Peace Corps in Africa. Now retired, Trisha exhibits her black-and-white photography in galleries throughout greater New York, and credits her CU photo classes with Charles Roitz for introducing her to the alchemy and healing powers of photography. She is creating a photo series documenting her experiences as a breast cancer survivor. This summer she and fiancé David Lawton will marry. They plan to live in New York's Hudson Valley.

'76 In 2017, **Bob Magnant** (MTeleComm'76) retired after 43 years of federal service, working in the information technology industry. He recently published the book *We Are All Storytellers!*, which promotes reading, writing and interaction among smartphone users.

ers. His free book series is meant to educate readers about negative impacts of smartphones, such as addiction, security and cyber terrorism.

Jane Becwar Murphy (EnvCon'76) writes that she has been faithfully reading the *Coloradan* since she graduated from CU in the '70s. She fondly remembers seeing Stevie Wonder and the Rolling Stones play at Folsom Field in 1974 or 1975. "Tickets were probably only about \$5 or \$10 at the time, as were many of the incredible concerts during the '70s," writes Jane, who lives in Punta Gorda, Fla.

'77 **Susan Eastman** (Jour'77) has begun a new career with Live West Realty in Boulder as a real estate agent specializing in residential sales. She writes that living in the Boulder Valley for many

years and raising three children has given her a deeper understanding of Colorado's neighborhoods, schools and lifestyle, and that her time as a journalist served her well in communicating and helping clients determine what they are looking for in a home.

'78 **Bill Green** (MechEngr'78), president of the Denver-based mechanical engineering company RMH Group, was named one of 20 industry leaders chosen as a 2018 inaugural class of Design-Build Institute of America Fellows. The fellowship is the highest level of DBIA certification and acknowledges the achievements of the nation's most accomplished design-build professionals. Bill was inducted during a ceremony held on Nov. 8 in New Orleans.

PROFILE JEANNE WINER

HER KIND OF CASE

AS A COLORADO PUBLIC defender and private criminal defense attorney for 35 years, **Jeanne Winer** (Engl'72; Law'77) was not afraid to take the difficult cases.

"It didn't matter what crime they committed, it was my job to make their lives better one way or another," said Winer, of Boulder.

WRITING IS A WAY TO ESCAPE.

When she lost her first case as a public defender in Jefferson County, she sobbed in the bathroom. The client, who struggled with multiple personality disorder, was sentenced to years in prison for serial rape.

"It was my first really big case, and even though he had done horrible, horrible things, I still felt like I had failed him," Winer said.

A lifelong political activist who grew up in Boston, her tireless advocacy for the voiceless led her to law school.

"I spent most of my free time protesting against the Vietnam War, and then for women's civil and reproductive rights, then gay and lesbian liberation," she said.

Winer received the Dan Bradley Award from the National LGBT Bar Association in 1996 for her trial work in *Romer v. Evans*, a landmark civil rights case that preceded and paved the way for the U.S. Supreme Court's 2015 *Obergefell* decision, which legalized same-sex marriage throughout the United States.

"*Romer* was a huge win," said Winer, who has been with her partner for 20 years. "I was deliriously happy. I was one of the few 'out' lesbians on the legal team. So I really felt the pressure."

Life as a defense lawyer took its toll. Martial arts became a lifeline. She now holds a third-degree black belt in tae kwon do.

"It was a way for me to get into my body and out of my head," she said. "It became the greatest love of my life."

Writing has also helped her decompress. Last year, she published her second novel, *Her Kind of Case* (Bancroft Press), a legal drama that centers on a female defense attorney on the cusp of 60 who represents a young man accused of helping kill a gay gang member.

"It's one of the ways that I can escape into an alternative reality," she said. "A reality that is happening in a different time."

She says that women's and gay rights have come a long way in the United States, but since the 2016 election, it's been hard for her to stay positive. "Everything we worked so long on can disappear in an instant. It's hard to come to terms with that reality."

But she's found productive ways to channel her energy: "There is a lot of creativity involved in being a trial lawyer, writer and martial artist," she said.

"All three take discipline and a lot of heart."

By *Amanda Clark* (M'Jour'19)



Notes CLASS

80s & 90s SPRING 2019



Rudy the French Bulldog keeps watch outside the UMC during a recent Homecoming.

'80 Rebecca Shockley (PhD'80), professor emerita of piano pedagogy at the University of Minnesota School of Music, recently published a revised and expanded edition of her mother's memoir, *Is There a Piano in the House?* Her mother, Dorothy Stolzenbach Payne, was a well-known pianist and teacher in Cincinnati for many years. Originally pub-

lished in 1985 by the Keyboard Club (which she founded in 1935), the book includes new photos, letters, programs and stories.

Since graduating from CU, **Tammy Kaitz** (Thtr'80) has worked as an actress and producer based in Los Angeles. She writes that she married childhood sweetheart **Steve Crane** (Psych'77; Law'80), who works for the LA law firm Crane Robinson & Seal, which he co-founded in 2001.

Laurie Cantillo (Jour'80) is deputy director of communication

and education at NASA's Jet Propulsion Laboratory in Pasadena, Calif. Previously, she worked at NASA's headquarters in Washington, D.C., for three years as a lead communication specialist in the planetary science division. During her time in D.C., she created and produced NASA's first podcast, *Gravity Assist*.

'81 Peggy Campbell-Rush (MEdu'81) was named a Fulbright specialist by the U.S. Bureau of Educational

and Cultural Affairs. The appointment, which runs from 2018 to 2021, matches specialists with foreign host institutions from over 150 countries to share expertise, strengthen international collaboration and learn about other cultures. Peggy writes that her love of travel was sparked while attending CU, where she sailed around the world twice as the assistant executive dean for the Semester at Sea program. She lives in Ponte Vedra Beach, Fla.

In January, **Peter Doody** (Engl'81) received the Defense Lawyer of the Year Award from the San Diego Defense Lawyers organization. In February, he became president of the Association of Southern California Defense Counsel, the largest regional civil litigation defense organization in the nation, with 1,200 attorney members from Santa Barbara to San Diego. Peter specializes in cases brought against product manufacturers, transportation companies and property owners. While at CU, he was captain of the rugby team.

'82 Deborah L. Napier (PolSci'82) writes that in January 2019 she met her distant cousins **Sadie Young** (EnvDes'81) and **Maree Young** (Comm'87) in Durango for the first time. Sadie and Maree were born in Craig, Colo., while Deborah grew up in Fairfax County, Va. "We are related through [our] shared Luttrell ancestors: Our Virginia great, great grandparents," writes

Deborah, who recently returned to Colorado after spending four years in Washington, D.C.

Andrea Robbins (Comm'82) and her team at Studio Six Branding in Longmont, Colo., recently rebranded six Colorado transit systems in Winter Park, Boulder, Telluride and Trinidad. For the past 15 years, Andrea has coached and trained young athletes in alpine skiing in Winter Park.

'83 Since graduating from CU, **Kathryn Hebert** (EPOBio'83; MPA'86) writes that she has been on an "exciting non-stop local government journey," starting her career as an assistant asset manager for the city and county of Denver. Next, she moved to Norwalk, Conn., to work as the city's assistant budget director. She was later promoted to administrative services manager and then to director of the parking authority. In 2018, she was named president of the New England Parking Council, a nonprofit transportation and mobility organization that represents eight states in New England.

She is now director of the Norwalk Department of Transportation Mobility and Parking.

'90 Michele Heller (Jour'90) was hired as the media relations and communications manager for the Peterson Institute for International Economics. She came to the Washington, D.C.-based think tank after serving eight years as an Obama administration appointee at the Federal Deposit Insurance Corporation, where she was the senior communications adviser involved in strategic messaging, media relations, and speech and op-ed development for members of the FDIC. Before starting her new job, Michele traveled with her middle-school-aged children throughout Europe and Asia, primarily in the mountains and remote villages of southwestern China. Michelle has held various editing and reporting jobs in Washington, D.C., Beijing and Hong Kong, including at the *Washington Post*, *McClatchy Newspapers*, and the *Hong Kong Standard*. She lives in Washington with her

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AFTER LOSING HIS SIGHT AT AGE 36, **TREVOR THOMAS** (ECON'93) BECAME A PROFESSIONAL HIKER. HIS GUIDE DOG, A BLACK LAB NAMED TENILLE, RECENTLY RETIRED AFTER SEVEN YEARS OF SERVICE. HER SUCCESSOR IS A GOLDEN LAB NAMED LULU.

husband, their two sons and their dog.

'91 Dan Mackin (EIEngr'08) and **Trent Hein** (CompSci'91) launched their Boulder-based company Rule4 on Sept. 17. They also wrote the 5th edition of the *Unix and Linux System Administration Handbook*, published in August 2017.

'93 After losing his sight at age 36, **Trevor Thomas** (Econ'93) became a professional hiker. His guide dog, a black lab named Tenille, recently retired after seven years of service. Her successor is a golden lab named Lulu. Lulu is currently working on learning the items on Trevor's shopping list and honing her back-country navigation skills.

'94 Stacy Miller Fleming (Geo'94) opened THE MAX Challenge in Louisville, Colo., in January. It is a 10-week fitness, nutrition and motivation program for

participants of all ages and ability. She writes that the goal of the program is for individuals to live healthier, happier and more fulfilling lives.

'96 Melissa Glick (Advert'96), CEO of information technology firm Think Network Technologies, received the Morley Ballantine Award on Jan. 18 at the Durango Chamber of Commerce's annual award ceremony at Fort Lewis College. The award honors women for their work in business and philanthropy. In 2014, Glick co-founded the Professional Women's Network of Durango to connect women in the Four Corners area by providing a community in which they could mentor, guide and support each other through professional development, social events and volunteering.

'97 Michelle Anderson (Bus'97) was recently awarded the 2018 Woman to Watch-

Emerging Leader award by the American Institute of Certified Public Accountants and Utah Association of Certified Public Accountants. Michelle is the director of finance and principal accounting officer for the Sundance Institute, an independent storytelling organization founded by CU alum **Robert Redford** (A&S ex'58, HonDocHum'87).

'99 Stephanie Mohr's (PhDMCDBio'99) book *First in Fly: Drosophila Research and Biological Discovery*, was included in *Smithsonian* magazine's list of the ten best science books of 2018. The book, published in March 2018, outlines a century of scientific research on the common fruit fly and how the model organism has expanded our understanding of human health and disease. Stephanie is the director of the Functional Genomics Resource Lab at Harvard Medical School, where she is also a lecturer on genetics.

PROFILE OLESTER BENSON

MR. PATENT

OLESTER BENSON JR. (PHD'88) wasn't your average college student.

As a 26-year-old sergeant in the U.S. Army in the late 1970s, he was married with children and working as a pharmacy specialist at the (now former) Fitzsimons Army Medical Center in Aurora, Colo. An eager learner, he began taking night classes at CU Denver, earning a chemistry degree in 1981.

MORE THAN 70 PATENTS — AND COUNTING.

That led to doctoral studies at CU Boulder, his springboard to a fruitful career as a corporate research scientist at Minnesota-based 3M, an international powerhouse in industrial, health-care and consumer goods.

Specializing in photochemistry — the chemical effects of light and other radiation — Benson has earned more than 70 patents, including several that have made cellphones, laptops and LCD TVs brighter, more colorful and energy efficient.

Based on bending light with repeating, microscopic prisms embedded in screens, the process, known as refraction, took the electronic display world by storm in 1994.

"We were on the cusp of the LCD computer display industry at 3M back then," he said. "And we had the right solution at the right time."

Benson's work has also proved useful for medical devices, motor vehicle safety, aerospace and renewable energy. See how license plates, traffic cones, stop signs and running clothes shine brightly at night? You can thank Benson and his colleagues.

A common theme at 3M, he said, is taking the knowledge of one group and providing it to another, he said: "In my group we have a farmer's mentality when it comes to technology — nothing goes to waste. What might not work in one field might be just

right for another."

Robert Damrauer, a CU Denver professor and mentor, played a key role in Benson's life: Damrauer personally drove him to CU Boulder and introduced him to his doctoral mentors, among them chemist Tad Koch, now an emeritus professor.

"He interjected himself into my life like a virus," Benson said of Damrauer when he accepted the CU Boulder Alumni Association's George Norlin Award in October.

Benson's grandparents, who raised him, encouraged a habit of service to others, and he has mentored new colleagues, college students and underrepresented high school students. He's also served as 3M's recruiter at CU and on the Boulder campus' graduate school advisory council.

"Mentoring has always been second nature to me," he said. "As a sergeant in the infantry, you are always training your replacement."

(In all, Benson served in the military for 24 years, 11 on active duty and 13 in the Army Reserve before retiring as a master sergeant in 1997.)

Service feels good, he said — and feels *right*.

"The Bible says, to whom much is given, much is required," he said. "Any talents, knowledge and gifts I have are useless if I use them to only benefit myself."

By **Jim Scott** (EPOBio'73)



Notes

CLASS

00s & 10s SPRING 2019



Buff fans celebrating a victory during a men's basketball game in 2011.

'00 Kristen C. Barnett

(MEdu'00) published the children's book *The Bug Who Thought He Lost His Buzz: What Happens When the Big, Bad Beast Stings*. The book is part of a series of products aimed at helping parents talk with their young children about being diagnosed with a terminal illness.

Jazz saxophonist **Tia Fuller's** (MMus'00) new album "Diamond Cut" was nominated for a Grammy Award in the Best Jazz Instrumental Album category. She

spoke at the College of Music commencement in 2018 as a Distinguished Alumni Award winner. Fuller has been featured on the cover of *Saxophone Today*, *Jazz Education Journal* and *JazzTimes Magazine* and has received numerous other awards, including winning the Downbeat Critics Poll "Rising Star" award two years running. She has toured with Beyoncé and performed at the White House. She teaches full time at Berklee College of Music in Boston.

Jennifer Roe Darling (MPA'00) was named president and CEO of the Children's Hospital Colorado Foundation.

Jennifer has worked in Denver-area nonprofits since 1991, starting as director of development for the American Indian Science and Engineering Society. She is the co-founder of the Institute for Leaders in Development at the University of Denver, a professional advancement program that identifies Colorado's emerging nonprofit fundraising leaders.

Abel Laeke (Kine'00) writes that he published two books since graduating from CU: *Powerful Attribute* in 2017 and *No Pressure, No Diamonds* in 2014. In 2017, Abel was a candidate for Aurora City Council. He current-

ly manages the Denver insurance agency New Flower Co.

'02 Juli Rasmussen (Jour'02)

helped organize the golf tournament Tiara Rado in Grand Junction in collaboration with the local Rotary and one of CU's alumni chapters, Grand Valley Forever Buffs. The tournament raised money for engineering scholarships for Colorado Mesa University and CU Boulder students.

'03 Kate Fagan (Comm'03)

announced in November that she would leave ESPN by the end of 2018. "[T]o continue at ESPN I would have to be immersed in the day-to-day in sports," Kate told the *Washington Post*. "And I found myself more and more interested in other aspects of sports — like how it connects to our culture." Before joining ESPN, Kate worked for the *Philadelphia Inquirer*, focusing primarily on the NBA's Philadelphia 76ers.

'04 Boston-based attorney Colin Boyle (Phil'04)

was selected as a 2018 Massachusetts Super Lawyer. Colin, an associate at the law firm Morgan, Brown & Joy, was selected as a "Rising Star" for his practice in collective bargaining and labor law.

'05 From July to December 2017, Ben Slavin (MechEngr'05) and wife Amberlynn biked through seven countries, riding

from China, through Central Asia and into the Middle East along the historic Silk Road. You can watch a documentary about their journey called *Cycling the Silk Road* on YouTube.

Lauren Ludtke (Art'05) graduated with a Doctor of Physical Therapy degree from Massachusetts General Hospital Institute of Health Professions in Boston in June 2018. She completed an internship at Spaulding Rehabilitation Hospital last fall and is now employed as a physical therapist in Orlando, Fla.

'08 Maria O'Malley (PhDEngl'08)

co-authored the book *Beyond 1776: Globalizing the Cultures of the American Revolution*. Maria is an associate professor at the University of Nebraska, Kearney, where she specializes in colonial and early American literature, multicultural and transnational literature, poetry and Emily Dickinson.

Benjamin Kramer (Fin'08) joined the Fort Collins-based law firm Gast Johnson & Muffly as a shareholder. He

joined the firm in 2015 and focuses on business, real estate and estate planning matters. He is co-chair of the firm's pro bono program and president of the Young Lawyers Division of the Larimer County Bar Association.

Rick Thomas (PoSci'08) was promoted to shareholder at the law firm Brownstein Hyatt Farber Schreck. He is a member of the firm's real estate department in its Denver headquarters, and he represents developers, buyers and sellers of a variety of properties, including senior living facilities, shopping centers, golf courses, medical office buildings and hospitals.

'10 Heather Hansman (Jour'10)

wrote the book *Downriver*, which will be published by the University of Chicago Press in April 2019. The book discusses fights over water rights to the Green River, the most significant tributary of the Colorado River. The Green River runs 730 miles from Wyoming to Utah. In her research for the book, Heather set out on a journey in a

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JAZZ SAXOPHONIST TIA FULLER'S (MMUS'00) NEW ALBUM "DIAMOND CUT" WAS NOMINATED FOR A GRAMMY AWARD IN THE BEST JAZZ INSTRUMENTAL ALBUM CATEGORY.

one-person inflatable raft to paddle the entire river.

Daniel McCormick (ChemEngr'01; Law'10) was elected partner at Kilpatrick Townsend. He is a member of the electronics and software team in the firm's Denver office.

Chasing Coral, a Sundance Film Festival award winner and Netflix original feature produced by **Larissa Rhodes** (Film, Span'10), received an Emmy Award in the outstanding nature documentary category. The film discusses how coral reefs, a vital part of Earth's ecosystem, are vanishing at an alarming rate around the globe. Larissa is a film producer and director of creative development at Exposure Labs, where she develops environmental- and socially motivated projects. She previously worked on the Emmy Award-winning documentary *Chasing Ice*.

'13 In September, a group of five CU

alums hiked the "Haute Route" in Switzerland — a 12-day, 112-mile hike from the Chamoix Valley in France to Switzerland's Zermatt Mountain Resort. The hike included a stop on the Euroweng, the longest pedestrian suspension bridge in the world, to unfurl the CU flag they had carried for 100 miles. "Coincidentally, we even bumped into another Buff alum on the route," writes **Michael Ton** (CompSci'12; MS'13). **Bruce Deakyne** (MEngr'12), **Max Bohning** (ApMath'12, MEngrMgmt'15), **Hannah Stekete** (MechEngr'17), and **Alex Kessock** (Mgmt'15) also participated.

Wei Wu (MMus'13) won a Grammy Award in February for his work in the Mason Bates opera "The (R)evolution of Steve Jobs." Wu played the role of Jobs' spiritual adviser, Kōbun Chino Otagawa, and took the prize for Best Opera Recording. The opera premiered in Santa Fe last year. Wu

was also a nominee in the Best Contemporary Classical Composition category. Last March, he appeared in the Eklund Opera Program production of "Sweeney Todd." His upcoming performances include "Il Barbiere di Siviglia" with Washington National Opera and Verdi's "Requiem" with the West Virginia Symphony Orchestra.

'15 In December 2018, **Kate Brady** (Engr ex'15) released her first single, "August." In 2015, she won the Guitar Center Singer Songwriter Competition, which was judged by Ariel Rechtshaid, producer of bands and artists such as Adele, Haim and Vampire Weekend. The award gave her the opportunity to record a four-song EP with Rechtshaid, a song-writing session with band City and Colour, a performance on *Jimmy Kimmel Live!*, \$25,000 for new gear and a feature article in the magazine *American Songwriter*.

'18 **Karyn Kesselring** (Law'18) recently joined the law firm Erise IP as an associate in its Denver office. **Ishani Shrestha** (Mgmt'18) graduated from CU's Leeds School of Business in December. Ishani was crowned Miss Nepal 2013 in Bali, Indonesia, where she won the prestigious Beauty with a Purpose title for her work to educate rural communities in Nepal about the importance of oral hygiene.

PROFILE CLAYTON VAUGHN

SERGEANT IS A CELLIST

MOST FEDERAL EMPLOYEES DIDN'T have to work on Dec. 5, a national day of mourning for President George H.W. Bush. **Clayton Vaughn** (DMA'12) was proud to be among those who did.

A cellist in the United States Marine Band, known as "The President's Own," Staff Sergeant Vaughn spent that Wednesday performing in the 41st president's memorial service at the National Cathedral in Washington, D.C.

"I was humbled to be part of that experience," he said. "It was a very reverent and solemn occasion — a good chance to pay tribute to our commander in chief."

From the first number, a nocturne from Gustav Holst's "A Moorside Suite," to the last, a hymn from "For All the Saints," the band provided the soundtrack for a remarkable ceremony watched on television by millions.

The Marine Band is the country's oldest continuously active professional musical organization. Established by Congress in 1798, its mission is to provide music for the president of the United States and the commandant of the Marine Corps.

Vaughn, 34, landed a seat in its strings section in June. His first big performance was the Fourth of July concert on the White House lawn. Prior to that, his only other time at America's most famed residence was when he was in fifth grade, during a school trip.

He'd started playing the cello a year earlier, at age 11, and he's never stopped.

After earning bachelor's and master's degrees in cello performance, he thought he wanted to become a professor. While pursuing a doctorate at CU, he studied with Andras Fejer, of the Grammy-winning Takács Quartet, and Judith Glyde. Along the way, he realized his true inspiration was performing, not teaching.

Vaughn played with orchestras in Iowa, Alabama and Nebraska before applying to the 150-member Marine Band. He was chosen following three audition rounds and an interview. Although he is a member of the Marine Corps, he did not have to go through basic training, since his role is strictly noncombative.

"They have such a wide variety of performance opportunities," Vaughn says of his outfit, which is based at Marine Barracks Washington, about three miles southeast of the White House, and is believed to have played at every presidential inauguration since Thomas Jefferson's. "It's a great chance to serve your country."

Last winter, the band performed at the White House several times, playing holiday standards like "Rudolph the Red-Nosed Reindeer" and "Sleigh Ride."

That's quite a stage for any musician.

"I try to shoot for the stars, but be a realist at the same time," Vaughn said of his path to the band. "I've taken a lot of auditions over the years. Sometimes you come close and sometimes you don't."

This time, he nailed it.

By Mike Unger



In Memoriam

Jack Moyers (Jour'42)

Forrest Beery (PoliSci, Psych'43)

Debi Chernoff Greenfield (A&S'44)

Richard V. Bowers (Engr ex'45)

Lyle W. Beattie (MechEngr'46;
M'48)

Betty Greenawalt Boyd (A&S'46)

Beverly Carson Brewer (Engl'46)

Angie Papoulas Knoche (A&S'46)

Betty Betasso Lesch (A&S'46)

Betty Elzi Look (MedTech'46)

William W. McKenzie, Jr. (A&S'46)

Kathryn Bush Moore (Psych'46)

William B. Moore (AeroEngr'46)

Virginia Wheeler Patterson (Jour'46)

Albert Scarffe (PreMed'46)

Marjorie Leaf Bourret (ElecEngr,
EngrPhys'47)

Mildred Bevans Eccker (DistSt'47)

James M. Kastner, Sr. (EIEngr'47)

Edith Luther (A&S ex'47)

Ilaeae Olson Watters (DistSt'47)

William J. Major (Chem'48)

James A. Buehring (A&S'49)

James H. M. Erickson (MEdu'49)

James B. Wiesler (Fin'49)

Barbara Boggs Barringer
(Math'50)

Robert A. Bussian (Econ'50;
Law'52)

Glenn R. Chafee, Jr.
(MechEngr'50)

Donald L. Cronin (Pharm'50)

Wilfred B. Dodgson (Pharm'50)

Doris Walker Dunbar (A&S'50)

Adam R. Krabbe (A&S'50;
MEdu'57)

Frank M. Light (MusEdu'50)

Mary Lee Mihane Luzmoor
(Engl, Soc, Edu'50)

Donald C. McCarter (CivEngr'50)

Rachel Gackle Pribbeno (Zool'50)

Marjorie Mollman Rogers

(HomeEcon'50)

John F. Toker (Jour'50)

Elaine Biggs Dempsey (DistSt'51)

Dorothy Dutt McKay (PhysEd'51)

George C. Shelhamer (A&S'51)

Glenn A. Beck (A&S'52)

Arne G. Brekke (MA&S'52)

Violet Benson Carlson (Nurs'52)

Phyllis Flagler Grotz (Edu'52)

Fredrick R. Hanson (A&S'52;
MArts'57)

Ralph E. Miller (Law'52)

Rebecca Hartley Poole (A&S'52)

Mary Wagner Wall (A&S ex'52)

Albert H. Bieser (Mgmt'53)

Mary C. Bennett (A&S'53)

Leslie R. Burrows (Zool'53)

Ralph G. Curtis, Jr. (Bus'53)

Marjorie Donley (MPhysEdu'53)

William P. Hyde (Law'53)

Waldon V. Kurtz (MA&S'61)

Harold W. Ostertag (Mktg'53)

Wilbur A. Smyth (Geol'53)

Stanley M. Spiegel (Mgmt'53)

Marcus R. Tool (PhDEcon'53)

Thomas H. Barker (A&S'54)

Norton A. Billings (Mgmt'54)

Rae Keller Callaway (A&S ex'54)

Doris O. Lehnertz (A&S ex'54)

Whitney J. Miskell (Mgmt'54)

Bill M. Moore (Fin'54)

Paul L. Rademacher (Mktg'54;
MMgmt'57)

Robert M. Umbreit (Acct'54)

William L. West (A&S'54; Law'57)

Thomas E. Whiteley (A&S'54)

Eugene S. Bashor (A&S'55)

William G. Nix (EIEngr'55)

Robert B. Sawyer (A&S'55)

Jean Lancaster Schirmer (A&S'55)

Lucille Ely Schwarz (A&S ex'55)

John E. Heiderstadt (EIEngr'56)

Rodger O. Lindwall (Mktg'56)

Josephine Seep Meyer (DistSt'56)

John O. Riebe (A&S'56)

Paul S. Roberts (EIEngr'56)

Eli Schachet (MechEngr'56)

Eveline Schneeberger (A&S'56)

Leonard D. Silverman (Chem'56)

Emil S. Soret (MA&S'56)

Frank E. Adcock, Jr. (A&S'57)

Louis P. Benedict (ElecEngr'57)

John E. Cobb (A&S ex'57)

Nancy Dickinson McComb
(A&S'57)

Harrie F. Hess (MPsych'57;
PhD'59)

John L. Knapp (A&S'57)

Ralph A. Yoak (EIEng'57)

C. H. Zietz Jr. (Geo, Bus'57)

Tony Dageenakis (Engr ex'58)

W. Gordon Fink (EIEngr'58)

Donald F. Haacke (Mgmt'58)

Joyce Carlson Lane (MNurs'58)

Don I. Wilson Jr. (Acct'58)

Larry W. Call (A&S'59)

Marilyn Louise Curt (MMusEdu'59)

Dallas M. Frazer (Mgmt'59)

Garrett W. Ray (Journ'59; M'84)

Jerry L. Turley (Pharm'59)

Jerry W. Beaver (Engr ex'59)

Peter C. Dietze (A&S'59; Law'62)

Mary Jean Martin (A&S ex'59)

William R. Seader (EIEngr'59;
M'85)

Leo Bronkalla (MA&S'60)

Leanna M. Carroll (Nurs'60)

Judith Myers Dodds (A&S'60)

Donald E. Eriksen (Bio'60)

Donald W. Nutting (A&S'60)

Robert L. Oswald (Mgmt'60)

Rodney F. Benson (IntlAf'61)

Joyce G. Harrington (A&S'61)

Katherine Nowack Salisbury
(A&S'61)

Harry F. McQuire (A&S ex'61)

Beatrice R. Vogel (MBaSci'61)

Duane M. Johnson (A&S ex'62)

Leland D. Jossy (AeroEngr,
Mgmt'62)

Joseph H. Long (MMgmt'62)

Hunter V. Pritchard (A&S'62)

Donald F. Sieveke (A&S ex'62)

Keith Wardin (A&S'62)

Kathleen Shay Arnold (A&S'63)

Donald E. Boyd (MAeroEngr'63;
PhDCivEngr'65)

James F. Fish (Econ, PolSci'63)

Daniel J. Kuchta (MMgmt'63)

William T. McConnell (Hist'63)

Loris D. McDaniel (Engr ex'63)

Jacqueline Crosby Mundell
(A&S'63)

Charles O. Pflugrath (A&S'63)

Joanne Rapp Rogers (Edu'63)

William H. Walker (AppMath'63)

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(PhDAstroPhys'63)

Frank R. Balistreri (A&S ex'64)

Robert H. Dixon (MPoliSci'64)

Theodore C. Hansen (Mus'64)

Charles R. Gallegly (Acct'64)

William T. Jones (A&S ex'64)

Paul D. Lindvay (EIEngr'64)

Bruce E. Price (Mgmt'64)

Michael R. Schwartz (Acct'64)

Arthur B. Stephens (A&S'64)

Lawrence Alvarez (MSpan'65)

Gordon M. Price (A&S ex'65)

Thomas E. Tobin, Jr. (CivEngr'65)

Aletha Karst DeLeo (Edu'66)

Hershel Walter Doyle (PhysEdu'66)

Sue-Ellen Jacobs (MANthro'66;
PhD'70)

Phillip R. Lowrey (Acct'66;
MBus'67)

Wilbur R. McConnell (A&S'66)

Joyce A. Sager (Edu'66)

Jack L. Stopkotte (Bus'66)

Robert L. Tyler (A&S ex'66)

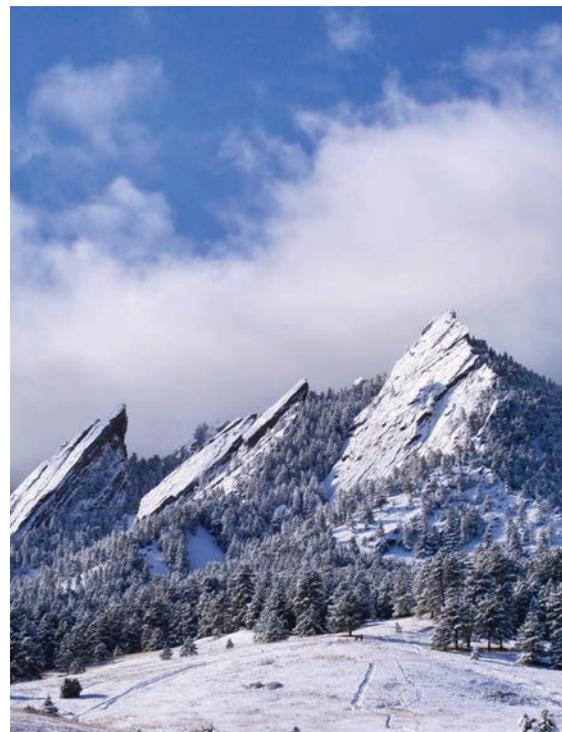
Craig S. Weber (Engl'66; M'71)

Jen-Hung Chuan (MA&S'67;
PhDMath'71)

Barton M. Clark (Anthro'67)

Robert H. Davis (Mgmt'67)

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John K. Hobbs (EIEngr'67;
MA&S'69)

H. Richard Houston (AppMath'67)

Henry E. Masterson (A&S'67;
MPubAd'68)

Pamela Schwalm Seman (Span'67)

James A. Tangeman (MA&S'67)

Susan Walker Bicknell (Zool'68;
MEdu'73)

Carol Joyce (MPsych'68; PhD'71)

Caryljo McMorris Greenblatt
(Mktg'68)

Courtney Hart Price (Adv'68;
MPerMgmt'69; PhDSpch'81,
PhDPubAd'91)

Robert Schmidt (Mus ex'68)

Claire M. Shea (Nurs'68)

Robert P. Shreve (A&S ex'68)

Sue H. Wilson (Edu'68)

David S. Dodson (Engr ex'69)

Mary Donahoe (MEngl'69)

Boyd Fuller (A&S ex'69)

Jutta I. S. Garlington (Ger'69)

Jerry L. Harper (MAeroEngr'69)

George Ivory (Econ'69)

Alan J. Kizor (PolSci'69)

Leon V. Mason (MMgmt'69)

Donald E. Long (MEdu'70)

Steven H. Read (AeroEngr,
PerMgmt'70)

Cheryl Keim Jackson (Edu'71)

David S. Olson (Fin'71)

John D. Rider (EIEngr'71; Stat'74)

Larry E. Weedlun (Mktg'71)

James T. Argys (Acct'72)

Sandra L. Doubleday (MEdu'72)
Lauran Litton McCollum

(A&S ex'72)

Robert E. Relf III (Psych'72)

Jill Bachrach Sevier (Math'72)

Kenneth L. Briscoe (Psych'73)

Brian A. Emerich (Arch'73)

Dorothy E. Groteluschen
(MEdu'73)

Linda K. Hogan (Psych'73;

MEngl'78)

Robert C. Martin (PhysEd'73)

Natalie Meisler (Jour'73)

Roy D. Mucilli (MechEngr'73)

Marvin D. Ebbert (AeroEngr, Bus'74)

Michael B. Elbeck (A&S ex'74)

Martin T. Forbes (Psych, Soc'74)

Mark R. McCrerey (Bus'74)

Thespo G. Portafekas (Edu ex'74)

Ronald Arguello (Edu'75, PhD'77)

Joseph A. Baldwin (PhDPsych'75)

Parley L. Belnap (PhDMus'75)

James T. Hollins (A&S ex'76)

Jose E. Ortega (A&S ex'76)

Edward F. Wargin, Jr. (Adv'76)

David K. Crockett (Bio'77;

AeroEngr ex'19)

Debra Simko Desjardins (Edu'77)

Dennis Eshima (Bus, Pharm'77)

Barbara Floria Orcutt (Art'77)

Bill C. Stewart (PolSci'77)

Richard W. Yolles (Law'77)

Robert J. Eyres (PhysEdu'78)

Thomas F. Mines (PolSci'78)

Brian E. Morse (Geog'78)

Charles J. Yoos, II (PhDBus'78)

Brian J. Cowan (Mktg'79)

Lewis C. Fowler (EnvDes'79;
MTeleCom'91)

Allen W. Paschal (Hist'79)

Terry G. Robertshaw (Edu'79)

Andrew W. Halls (InfSys'80;

MCompSci'87)

Stanley J. Miedich (PhDBus'80)

Muriel Uhrlaub Myers (PhDEdu'80)

Jeanne M. Scholl (Rec, Geog'80)

Thomas L. Temple (Thtr'80)

Doris J. Sutz (MEdu'81)

Sarah Stanton Lee (Art'81)

Nan E. Brown (PhDEdu'82)

Eve A. Eichhorn (PhDMus'82)

Gordon J. Johnson (MAcct'82)

Stephen T. Utterback (Bus'82)

Stephen U. Murphy (BioSci'83)

Joan M. Neighbor (Bio'83)

Steven J. Kleinbach (EIEngr'85)

Gerald V. Larney (MTeleCom'86)

Patricia Casey Arnott (Law'87)

Donna Holic Parsons (A&S ex'87)

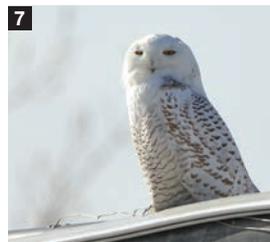
Martin VanPelt (ElecEngr'88)

Kevin A. Oltjenbruns (PhDEdu'89)

Patricia A

Letters

SPRING 2019



BIRDS OF BOULDER: READERS FLOCK TO RESPOND

Readers responded in droves to the winter issue's bird identification quiz. The winners, listed at right, will receive a copy of Peterson's *Field Guide to Bird Sounds of Western North America*, by CU's Nathan Pieplow. **Here's the answer key:**

1. Lazuli Bunting
2. Northern Flicker
3. White-Tailed Ptarmigan
4. Bald Eagle
5. Mountain Chickadee
6. Western Tanager
7. Snowy Owl

Winners

Paula LaPoint (Geol'69)
Tom Hamm (Zool'64)
Darrin Kadel (EnvCon'94)

Runners-up

Margaret Furumo (Ling'88)
Ruth Carol Cushman
Sandra McNew (MPsych'81)
Ron Podhajsky
Shalana Gray (Anth'12)
Peggy Wait and **Lowell Baumunk** (A&S'66)
Mary Stewart

BUFFS IN ANTARCTICA

What a fascinating and informative article ["Buffs on Ice," Winter 2018]. It deserves a wide international audience to raise public awareness of the breadth of research, and those ongoing support systems which allow it to function throughout the year.

Doreen Hansen
Cheltenham, United Kingdom

I always look forward to my next issue of the *Coloradan*. The Winter 2018 issue caught my interest with the article about CU scientists spending time in Cape McMurdo, Antarctica.

Upon my graduation from CU in 1968, I joined the USAF and became a pilot. My career ended up being 23 years long (I am a flying vet of both Vietnam and Desert Storm), and I flew the Lockheed C-141 Starlifter jet all over the world from Travis Air Force Base in California. One of the missions was flying scientists and support folks to Cape McMurdo.

I retired in 1991 with the rank of Lt. Colonel. It was an amazing career, and I'd do it all over again!

Bill Wardwell (Econ'68)
San Mateo, Calif.

THE REDFORDS

Interesting infographic on Robert Redford in the winter issue, but there's a slight error. It states that two of Redford's children, David and Shauna, followed him to CU. His younger daughter Amy also attended. She was in a theater class for which I was the graduate student teaching assistant.

Douglas Gordy
(PhDThtr'94)
Walnut Creek, Calif.

Editor's Note: Amy Redford indeed attended CU Boulder from 1988-1991. We regret the omission.

PAIN

I read this article ["Unlearning Pain," Fall 2018] with interest. My audiologist tells me tinnitus is the result of the brain perceiving whatever its root cause is as pain. For the millions of people who suffer from this annoying to almost intolerable syndrome, Dr. Ashar's studies might lead to a "cure" for this awful distraction.

Mary McClanahan
(Lang'67; MLatin'69)
Boulder

MEMORIES

I always very much enjoy reading the *Coloradan*. On the "Look: Inscriptions" page [Fall 2018], I have another to add. I have repeated the saying to myself and others hundreds of times throughout the years. Inscribed over the entrance to Norlin Library is the following: "He Who Knows Only His Own Generation Remains Always A Child." So true.

Jane Becwar Murphy
(EnvCon'76)
Punta Gorda, Fla.

THE VOICE

Thank you for your article about **Kim Christiansen** (Jour'84) ["Voice on the Train," Winter 2018]. I was so excited to see that this sound art created by CU Boulder graduate **Jim Green** (MArt'78) was noticed by his alma mater. When the airport first opened, Jim was commissioned by the [City of Denver] Mayor's Office of Art, Culture and Film to record all the sounds for the train. For years, he de-

cidated whose voice was to be used. Jim made all the recordings of Alan Roach, Pete Smythe, Reynelda Muse, Peyton Manning, Lindsey Vonn, etc.

I really appreciated your article, and the attention it brings to Kim. But I'm sorry Jim's name didn't appear.

Kathryn Charles
(Thtr'90; MArt'90)
Denver

FAVORITE PROFS

Paul Danish's description ["Boulder Beat," Winter 2018] of the excitement Richard Wilson brought to his class in constitutional law is one I can fully confirm. The years I spent in Colorado (1955-1959) were years that shaped my life — first as a student at the Denver Extension Center and, from 1957-1959, as a graduate student and teaching assistant in political science at Boulder. It was my incredible good fortune that the department had an extraordinary faculty in the areas of law and jurisprudence, my areas of primary interest. There was Henry Ehrmann, a brilliant scholar who taught me more about legal scholarship than anyone in my life; Clay Malick, a lovely gentleman and wise and thoughtful teacher who directed my master's thesis; and Dick Wilson, a challenging and inspiring teacher, full of important and stimulating ideas he was always ready to share. All of them had plenty of time for students, to answer questions, to give advice and to offer encouragement. It was an intellectual gold mine.

But I have to ask where did you get the picture that apparently purports to be of Dick Wilson. It certainly is

not of him. Dick's memory deserves better.

Dean Alfange, Jr.
(MPolSci'60)
Leverett, Mass.

Editor's Note: Dean is correct. We regret the error. The real Dick Wilson is pictured below here.



I well recall another economics professor of the era. One requirement for engineering majors was to take a few classes from Arts & Sciences to broaden our perspectives. One that fit my schedule was Econ 101 with Rubin Zubrow.

In two semesters, he clearly demonstrated the macro-to-micro effects of federal and state financial policies on my wallet. His enthusiasm for this wide-ranging field resulted in my taking nearly all the economics classes on offer. When I decided to return to campus for an advanced degree, engineering college dean Max Peters recommended a new accelerated MBA program for non-business graduates. While many courses in "the dismal science" were in fact dreary, Zubrow kept his classes lively. No one dared doze off, since he was as accurate with an eraser to the shoulder as he was with

a prediction of financial outlooks. His wife, who was nodding in the back row while auditing a class, caught one.

John Hubbs (MBA'69;
ChemEngr'63)
Sykesville, Md.

Paul Danish's column about his three all-time favorite CU classes got me thinking about my own. The difficulty of the task for me was sorting entire classes from memorable moments in class, where I was either challenged, or felt the "light bulb" turn on with some new knowledge. I was able to narrow it down to three, and the exercise itself was an enjoyable journey through memories of people and events I had not thought of in some time.

My first choice was an honors course my freshman year in the Farrand Hall Academic Program. Along with about ten other students, I took "Egoism and Altruism," taught by Brian Mahan. Memorable as much for the discussions about the Lakers vs. Celtics rivalry (Mahan was from Boston), he allowed his students to take arguments counter to his, and not only treated them respectfully, but encouraged us to develop those arguments. My second choice would be "The Sociology and Technology of Modernization," taught by Tom Mayer. I took this class because it filled a time slot and a requirement. It turned out to be one of the best learning experiences of my life, and perhaps taught me as much about the process of learning as anything else. Finally, "Social Psychology," taught by Lewis Harvey. He reminded me of Prof. Kingsfield from *The Paper Chase*, and he

taught his class with an intensity and dignity that is likely one key reason I am a psychologist today.

Gregory Mondin
(Nurs'86 at Anschutz)
Boise, Idaho

HAPPINESS

I've always thought happiness ["Flip Side of Happiness," Winter 2018] as a goal was unachievable. It's a by-product of having work and activities and family you love. Glad to see folks are starting to see the flip side of the constant emphasis on it.

Bonnie F. McCune
(Psych'66)
Denver

OLDEST APPLES

Your *Coloradan* is first rate — always devoured, and then shared with my six grandchildren. They live nearby in Brookfield, Vermont, where every fall the family gleans the apples in Liberty Orchard, and then produces delicious apple cider on a 19th-century wooden cider press. After reading your Fall 2018 article, "The Oldest Apples in Boulder," my family hopes to continue this tradition into the next generation, and perhaps even someday own the orchard.

Lew Watters (Hist'62)
Chester, VT

WINNING

To say "Sports is full of ups and downs, and when you're down, it's fun to recall the ups" is delusional ["After Stellar Start, Buffs Spiral Down," Winter 2018]! At least with football, winning is everything!

Pete Rabbitt (Bus'64)
Newport Beach, Calif.

Note: Letters edited for length and clarity.

Photo courtesy of CU Heritage Center

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LIST OF 10

10 OF CU BOULDER'S OLDEST BUILDINGS

1. Old Main, 1876
2. Koenig Alumni Center, 1884
3. Gates Woodruff Women's Studies Cottage, 1884
4. Woodbury Arts & Sciences Building, 1890
5. Hale Science Building, 1893
6. Temporary Building No. 1, 1898
7. University Theatre, 1902
8. Page Foundation Center, 1903
9. Guggenheim Geography, 1908
10. Macky Auditorium, 1922

Photo courtesy of CU Heritage Center



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THEN

1946

The Japanese American Citizens League honored Colorado Governor **Ralph Carr** (A&S1910; Law1912) with this watch for his stand against the internment of Japanese-Americans in domestic prison camps following the 1941 attack on Pearl Harbor. Carr, who was governor from 1939 to 1943, was among the only U.S. politicians to oppose the camps publicly. The watch, held in CU's Heritage Center, is inscribed "In grateful appreciation for your Courageous Stand for Democratic and American Principles."

