MAGAZINE Volume 31, Number 3 Summer 2014

WHY ZEBRAS HAVE STRIPES . THE DOCTOR IS ONLIN

Margrit Mondavi and the art of giving

TRANSFORMING OUR UNIVERSITY



Linda P.B. Katehi

Dear fellow Aggies,

The history of UC Davis is marked by our ambition to accomplish great things. From our beginning as the University Farm to our current standing as a world-class research university, making a difference in California and the world has defined our work.

This tradition continues today and served as the driving force behind the first comprehensive fundraising initiative in our history—The Campaign for UC Davis. Having raised an astounding \$1.1 billion from nearly 110,000 donors, the campaign has come to a formal conclusion, but the end of the campaign is truly a new beginning for UC Davis. This edition of *UC Davis Magazine* highlights how philanthropy is transforming our university and bolstering our local and global efforts. You will also see how our students played a central role in the campaign.

Of course, the real value of the campaign is not measured in dollars or donors. Its true impact is found in how it will transform our university. Thanks to the campaign, we have created hundreds of new scholarships, fellowships and awards for our students, doubled the number of endowed faculty positions and raised nearly a half billion dollars to advance our world-renowned research.

While the stories of generosity are nearly 110,000 strong, the result is the same—the world will be a different place because of The Campaign for UC Davis. As you read this magazine, I hope you enjoy meeting some of those who made the campaign a success and learning how the generosity of so many is helping UC Davis change the world.

As always, thank you for all that you do for UC Davis.

Atateni

Linda P.B. Katehi Chancellor



UCDAVS MAGAZINE

WIAGAZINE Volume 31, Number 3/Summer 2014



FEATURES

Gooooaaaaland beyond! 14

UC Davis surpassed its \$1 billion goal for its first comprehensive campaign. Read about what nearly 110,000 supporters accomplished together. by Corinna Fish and Sarah Colwell

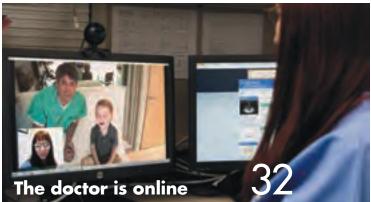


The arts lover who helped make Napa Valley a cultural destination says the time is right for the arts to blossom at UC Davis.

by Sarah Colwell

Departments

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Telemedicine is connecting rural patients with specialists—and equalizing access to quality healthcare. UC Davis has helped lead the way. by Josh Baxt

About the cover:

For Margrit Mondavi, art and beauty are experiences to be shared. She put that philosophy into practice in the Napa Valley—helping to transform the region into an epicenter for art, music and food. As an ardent supporter of UC Davis, she's still sharing—contributing to a new art museum, creating student scholarships and helping to shepherd the university's \$1.1 billion comprehensive campaign.







"While an individual effort may seem

insignificant, the individual efforts of many make a significant difference."

Tyler Felix '07
\$25 Annual Fund donor
100,000th donor to
The Campaign for UC Davis

Thank you to Tyler and the thousands of donors who gave to the Annual Fund during The Campaign for UC Davis. Every gift, every donor makes a difference.

UCDAVIS ANNUAL fund

Chancellor's Club Parents Fund Senior Class Challenge

giving.ucdavis.edu 530-754-4438

CALENDAR

Music



Nickel Creek Grammy Award-winning progressive bluegrass trio. Mondavi Center, Jackson Hall Aug. 3

Brazilian legend Caetano Veloso

Mondavi Center, Jackson Hall **Sept. 18**

Exhibitions Screen Prints 1970

Works by 74 artists affiliated with the printmaking department of the Art Institute of Chicago.

C.N. Gorman Museum

June 23–Sept. 12

Youth theater Camp Shakespeare

Theater games, acting workshops, and a special production of *Much Ado About Nothing*, for children ages 7–12. More information at shakespearedavis.com.

UC Davis Arboretum

July 21–Aug. 1 Aug. 4–15

Ellis Marsalis Jr. and Delfeayo Marsalis

The patriarch of America's first family of jazz and his second son, trombonist Delfeayo, on *The Last Southern Gentlemen* tour.

Mondavi Center, Jackson Hall

Sept. 19

Football

UC Davis at Stanford Stanford Stadium

Aug. 30

Home opener vs. Colorado State University

Aggie Stadium **Sept. 6**

Celebrations

Convocation

Mondavi Center, Jackson Hall **Oct. 1**

Homecoming Weekend Oct. 10-12

More events

Mondavi Center mondaviarts.org

Department of Music music.ucdavis.edu

Department of Theatre and Dance theatredance.ucdavis.edu Visitor Services visit.ucdavis.edu

Arboretum arboretum.ucdavis.edu

Craft Center Gallery cru.ucdavis.edu, click on Recreation & Activities Design Museum designmuseum.ucdavis.edu

Athletics ucdavisaggies.com

C.N. Gorman Museum gormanmuseum.ucdavis.edu The Art Lounge campusunions.ucdavis.edu

Richard L. Nelson Gallery & Fine Arts Collection nelsongallery.ucdavis.edu

More event information at ucdavis.edu/calendar.

LETTERS

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UC DAVIS MAGAZINE

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Right admiral, wrong command

I want to point out an error in the [spring '14] article about Picnic Day. Admiral Chester Nimitz did not command the



U.S. Navy during World War II. That rank was held by Ernest J. King, Chief of Naval Operations (CNO). Admiral Nimitz was commander in chief

Chester Nimitz

of the Pacific Fleet, and therefore reported to Admiral King. After World War II ended, King retired and Nimitz succeeded him in the rank of fleet admiral (five stars) and CNO. After Nimitz retired, he moved to Berkeley and served as a UC regent for eight years. In any case, Nimitz was a brilliant strategist with a calm, confident demeanor. He did a tremendous job of coordinating the efforts of the other highly qualified admirals in defeating Japan (Halsey, Spruance, Kinkaid, Mitcher, etc.). He was truly the right person in the right place at the right time.

Greg Rowe

Davis

Marriage equity benefits society

[Re: "Modern family estate planning," spring '14] The rules of inheritance tax—the precipitating issue in the Supreme Court's [Defense of Marriage Act] decision in United States v. Windsor—really matter. Legally married non-same-sex persons have always been free to leave their assets to a surviving spouse totally free of inheritance tax... This reflects a view that both spouses usually do contribute to the couple's financial success and, in any case, it's bad for society to leave surviving spouses impoverished or forced to sell the marital home.

There is no reason for same-sex couples to be treated any differently from nonsame-sex couples. In both cases, they should have the right to decide whether to undertake that package of legal rights and obligations that come with civil marriage. (How easily one forgets that there are duties as well as benefits!)

With the ability to provide for one's surviving spouse assured, it then becomes far easier to think of providing for others, whether those others are other people, pets or one's university... With the deceased partner's estate not gobbled up by 50 percent tax on bequest to a spouse, it's far more likely that there will be enough left to contribute to the couple's cherished causes.

Pam Green Davis

A rock-solid education

I enjoyed your [spring '14] piece "One to One: Aggies compare notes on working at KDVS Radio." KDVS was a very memorable part of my college years, both working as a DJ (queuing vinyl albums and loading eight-track cartridges, predigital music) and as publicity director (typesetting the publicity guide and laying it out on paper, pre-desktop publishing). It was without a doubt the most fun I had while at UC Davis, forever cementing my love of alternative rock.

Stacy Forster Pena '88 Los Altos

Magazine changes

I was a bit surprised to learn that one of the reader comments that led to *UC Davis Magazine's* format change was that some readers found the stories "too long" ("From The Editor," spring '14). It is disappointing that a major academic institution which prides itself on intellectual accomplishments would submit to the request for pieces that more closely follow the pattern of sound bites and tweets. It also brings into question the level of education we are providing to UC Davis students in the 21st century.

Bill Wagman '68 Davis

Love the changes you have made. I really enjoyed reading the spring '14 issue.

Barbara Iten '72, Cred. '73 Vacaville

Correction

The spring 2014 calendar incorrectly identified the curator of a Nelson Gallery exhibition. Erin Dorn, M.A. '14, curated Hollingshead: the Art of the Portrait.

SEND YOUR LETTERS for our next issue to *UC Davis Magazine*, UC Davis, One Shields Ave., Davis, CA 95616-8687 or email us at magazine@ucdavis.edu.

Letters should be less than 250 words and timely—within two issues following any articles they address. Letters may be edited for length, clarity and civility.

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DISCOVERIES

THE RISKS OF BEING POPULAR

SOCIAL MISFITS are not the only targets for school bullies. A new study found that popular kids face greater risk of being bullied—with the exception of the teens in the top 5 percent of the social strata.

Sociologists Robert Faris of UC Davis and Diane Felmlee of Penn State also found that popular teens often suffer psychological trauma, experiencing high levels of anxiety, anger and depression.

"Most of these adverse consequences were worse for high-status targets," Faris said, "because while socially marginal youth are often brutally tormented, a single bullying event may be particularly psychologically and socially damaging for popular students, who feel that they have farther to fall."

Birthplace of the chili

Central-east Mexico gave birth to the domesticated chili pepper—now the world's most widely grown spice crop reports an international team of researchers led by UC Davis plant scientist Paul Gepts.



"Identifying the origin of the chili pepper is not just an academic exercise," Gepts said. "By tracing back the ancestry of any domesticated plant, we can better understand the genetic evolution of that species and the origin of agriculture—a major step in human evolution in different regions of the world.

This information, he said, could lead to better genetic conservation and breeding programs—"which will be critically important as we work to deal with climate change and provide food for a rapidly increasing global population."

Tree genomics

The massive genome sequence of the loblolly pine—the most commercially important tree species in the United States and the source of most American paper products—has been completed by a nationwide research team led by UC Davis scientist David Neale.

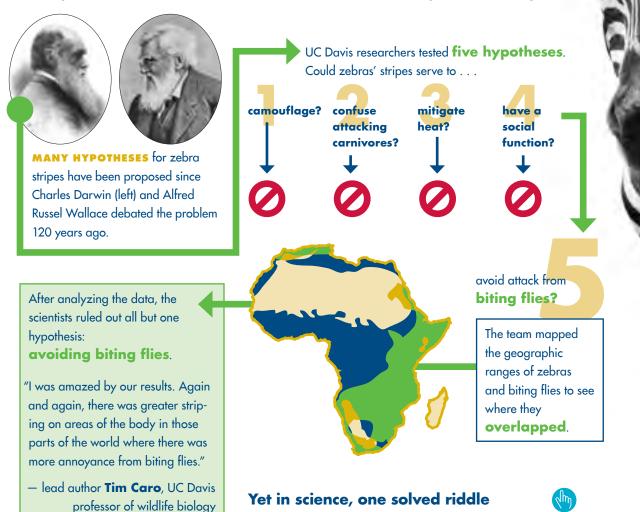
The draft genome—approximately seven times bigger than the human genome—is the largest genome sequenced to date and the most complete conifer genome sequence ever published.

The sequencing was accomplished by using, for the first time, a faster and more efficient analytical process.

The genome sequence will help scientists breed improved varieties of the loblolly pine, which also is being developed as a feedstock for biofuel. The newly sequenced genome provides a better understanding of the evolution and diversity of plants.

HOW ZEBRAS GOT THEIR STRIPES

Why zebras have black and white stripes is a question that has intrigued scientists and spectators for centuries. A research team led by UC Davis has now examined this riddle systematically.



What about other hooved mammals in the same habitats? The study found that zebra hair is shorter than the mouthpart length of biting flies, so zebras may be particularly prone to biting fly attack.

begets another:

Why do biting flies avoid striped surfaces? Caro said that now that his study has provided ecological validity to the biting fly hypothesis, the evolutionary debate can move from why zebras have stripes to what prevents biting flies from seeing striped surfaces as potential prey, and why zebras are so susceptible to biting fly annoyance.

Read the article and original study at qo.ucdavis.edu/ zebra

NEWS

<mark>q&a:</mark> KAREN JOY FOWLER, M.A. '74

Author Karen Joy Fowler, M.A. '74, of Santa Cruz, is no stranger to critical success. Her book *The Jane Austen Book Club* spent 13 weeks on *The New York Times* bestsellers list, and her previous novel, *Sister Noon*, was a finalist for a PEN/Faulkner Award for fiction. This spring, her latest book, *We Are All Completely Beside Ourselves*, won that prestigious literary prize.

The novel is set, in part, at UC Davis in the 1990s. The narrator is a 22-year-old undergraduate from Indiana who tells the story of her unusual family. "I came to UC Davis both to find my past (my brother) and to leave it (the monkey girl)

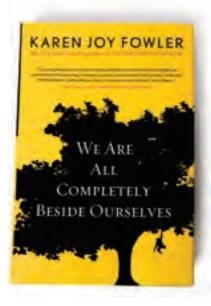
behind," says the protagonist, Rosemary Cooke. "By monkey girl, I mean me, of course, not Fern, who is not now and never has been a monkey. In some unaccessed part of my brain, somewhere in that thinking that's below language, I must have still believed it was possible to fix my family and myself, live our lives as if Fern had never been part of us. I must have believed that this would be a good thing to do."

Fowler, who lived in Davis from 1972 to 2008, talked recently with *UC Davis Magazine* about the book:

Were you completely beside yourself to learn that We Are All Completely Beside Ourselves won the PEN/ Faulkner Award?

I couldn't wrap my head around it. Still can't.

In her New York Times review, author Barbara Kingsolver raves about your book, calling it "readably juicy and surreptitiously smart, it deserves all the attention it can get." How surprising has the acclaim



been for you? Have any of the honors held special meaning for you?

Everything has been wonderful. Everything has held a special meaning. I've gotten more reader emails in response to this book than to any of the others. Most of them positive. That's also been pretty great. It can be very hard for a writer to believe that someone is actually going to read her book. Anyone at all. So to have this evidence that people have—very, very wonderful.

Compared to your other books, was this one harder to write?

They've all been hard. I always think each

book is the hardest yet, but my husband has a good memory for the way I complained [while writing the] last book, and he says it's always the same song.

How did your master's degree in political science inform this work?

I just have a very political way of seeing the world. Always have. The degree was more a response to this [worldview] than the creation of it.

Does the success of We Are All Completely Beside Ourselves make writing your next book harder or easier?

The success is making it much harder, but in a very concrete way. I am traveling pretty continuously as the book comes out in paperback or in the U.K. or in Australia. I need to be settled and quiet to write. I haven't been settled and quiet for a long time.

Any advice for fellow alums who are aspiring novelists? It's a good life! Try to make it work.

BRIEFING: NOTEWORTHY ITEMS SEEN AND HEARD AROUND CAMPUS

UC Davis' ranking, for a second year in a row, for teaching and research in the area of **agriculture and forestry**, according to QS World University Rankings.

The number of UC Davis scientists who have received the **Wolf Prize in Agriculture**: Jorge Dubcovsky, wheat geneticist in the Department of Plant Sciences (2014); Harris Lewin, animal scientist and vice chancellor for research (2011); Roger Beachy, plant scientist and founding director of the World Food Center (2001); Gurdev Khush, plant scientist and adjunct professor in the Department of Plant Sciences (2000); and the late Shang Fa Yang, plant scientist, Department of Vegetable Crops (1991).

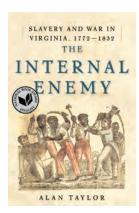
20,000 tons

The estimated amount of food and yard waste that will be diverted from the UC Davis landfill each year by a new biodigester—the largest of its kind on any U.S. college campus. The biodigester will also produce **5.6 million kilowatt hours of clean electricity** and

reduce greenhouse gas emissions by 13,500 tons annually. The anaerobic digestion technology was invented by Ruihong Zhang, a professor of biological and agricultural engineering.

"I thought maybe I was going out that door."

-Gary Walton, a professor emeritus of economics and former dean of the Graduate School of Management, who, along with Scott Porter, chief resident of orthopaedic surgery at UC Davis Medical Center, helped to subdue a man who tried to open a plane's emergency door during a flight from Chicago to Sacramento.



"It's still stunning news. I didn't expect my first Pulitzer and I certainly did not expect this."

—History professor **Alan Taylor** on learning he had won his second Pulitzer Prize—this time for his book *The Internal Enemy: Slavery and War in Virginia,*

1772–1832. He won the same honor 18 years ago for William Cooper's Town: Power and Persuasion on the Frontier of the Early American Republic. (In August, Taylor will take the position of Thomas Jefferson Memorial Foundation Chair in the Corcoran Department of History at the University of Virginia, but he will remain affiliated with UC Davis as a distinguished professor emeritus.)

100% Sierra and Alpine counties* 89% 55% Napa Yolo County County

Voting by mail

A total of 51 percent of California voters voted by mail in 2012, but an analysis by the UC Davis Center for Regional Change found wide differences by region. Researchers say the California Civic Engagement Project findings could help efforts to improve voter turnout.



NEWS

Bang the Gong

Artist William Wiley tests the sound during the installation of his *Gong* outside the Mondavi Center for the Performing Arts. The 4,000-pound steel, wood and bronze structure, constructed in the 1980s, was installed in February for a ceremonial groundbreaking for the campus Jan Shrem and Maria Manetti Shrem Museum of Art. "I think it's a great thing that it can be here," said Wiley, an art faculty member from 1962 to 1976.

A positive campus climate

CAMPUS N

UC Davis scored high marks in a UC-wide survey aimed at gauging campus climates.

Believed to be the largest survey of its kind ever conducted in American higher education, the ultimate goal is for all UC campuses to be better equipped in ongoing efforts to promote an environment where all are treated fairly and with dignity.

UC Davis by far had the largest number of participants in the survey with 18,466 completed. In addition, the majority of respondents reported positively about the overall campus climate as well as in their academic and worklife experiences. Four out of five respondents said they were "comfortable" or "very comfortable" with the campus climate at UC Davis.

Aggie's disappearing ink

The *California Aggie*, published by students since fall 1915, suspended print publication this spring.

Editor Elizabeth Orpina said that she and business manager Ryan Hansen-Maffet had no other choice. With slumping ad revenues, the paper was running out of money. The *Aggie* continued to publish online, but with only a volunteer staff.

In February, it looked like the paper might be saved. Students passed a fee measure that would have raised an estimated \$272,800 a year for the *Aggie*'s



If these walls could talk

After more than 60 years as a venue for concerts, theater, talks and other campus events, Freeborn Hall is closing indefinitely this summer. Due to concerns about seismic safety, the campus was looking into options for renovating or replacing the building. Do you have memories of a show that rocked the house or a speech that changed your life? Send your Freeborn Hall recollections to **magazine@ucdavis.edu**. Selections may be published in an upcoming issue. operation. But a student court invalidated the election results, ruling that voter turnout for the measure didn't meet the minimum 20 percent of undergraduates.

As the magazine went to press, the *Aggie* was exploring partnerships with local newspapers, but Orprina said any return to print could be months away.

Berry committed

A renowned research program that, for more than a half-century, has brought you sweeter, hardier and year-round strawberries is here for the long-term, university officials say.

"The strawberry breeding program at UC Davis is the pre-eminent public breeding program in the world today, and the only public breeding program in the state," Chancellor Linda P. B. Katehi said in a statement. "We are committed to maintaining that status for years to come."

The California Strawberry Commission alleged in a recent lawsuit that the university is not taking steps to continue its public strawberry breeding program—a claim that the university says is groundless. UC Davis asked an Alameda County judge in April to dismiss the suit.



"If we think about costs, we should consider the cost per cure and not the cost per pill. Once the virus is gone for good, the risk of dying with liver disease is minimal, if not zero."

—Lorenzo Rossaro, professor of medicine and chief of the Division of Gastroenterology and Hepatology who directed a clinical trial at the UC Davis Medical Center of new but costly drugs for curing hepatitis C.

More at go.ucdavis.edu/hepc

Birth control

As many as 9.6 percent of women using a newer method of permanent birth control called hysteroscopic sterilization, marketed under the brand name Essure, could become pregnant over a 10-year period, a study by researchers at Yale University and UC Davis has found.

That is nearly four times the estimated risk for the more common laparoscopic tubal ligation.

Injuries on the farm

Seventy-seven percent of the injuries and illnesses suffered by U.S. agricultural workers and farmers are unreported, UC Davis researchers found. The lack of complete data greatly reduces the chances of correcting the safety and health risks that the nation's food suppliers face.

Undercounting these occurrences often shifts the costs to government social programs or charity care, said J. Paul Leigh, a professor of public health sciences.

"Agriculture is a major driver of economic wealth as well as one of the most hazardous employment environments in the nation," Leigh said. "It could be an even more powerful economic force if we accurately counted and addressed the causes of harm to agricultural workers and farmers."

Cleft palates

Veterinary medicine researchers have identified the genetic mutation responsible for a form of cleft palate in the dog breed Nova Scotia duck tolling retrievers.

Geneticist Danika Bannasch and colleagues hope that the discovery, which provides the first dog model for the craniofacial defect, will lead to a better understanding of cleft palate in humans.

Although cleft palate is one of the most common birth defects in children, affecting approximately one in 1,500 live human births in the United States, it is not completely understood.

PARENTS

5 CRAZY WAYS TO REMODEL

by Cheryl Anderson

NOW THAT MY KIDS ARE OFF TO COLLEGE, I try to keep up with pop culture by reading the websites that are popular with college students. Apparently, they're very into lists. Very. And there are a lot of items on those lists that are weird, amazing, awesome, beautiful and excellent. Some might shock you. You won't believe what happens in one video, and somebody is going to get grounded when her dad finds out about it.

Parents, not to be outdone, have been busy posting lists of their own on topics, like what to do with the empty bedroom after your child leaves for college. Judging from social media sites like Pinterest and DIY cable TV programs, the old standards—"turn it into a guest room" or "use it as a home office"—don't cut it anymore. Now that summer is here, your UC Davis student may be occupying that space again. But in the spirit of listing, I've compiled five ideas—some ambitious, some odd—for repurposing that extra real estate when they return to school.

1. Man cave

We aren't talking Ward Cleaver's den here. The modern man caves range from a place to play a little poker or video games with friends to full-blown shrines to favorite sports teams. There's a lot of variety here, but they all seem to include some variations on a beer/ antlers/sports/weapons/TVs/tools theme. If the empty nest has given you and your spouse a little too much together-time, the right man cave design will guarantee that you both can spend quite a bit of time apart.

...........

2. Art/craft studio

This seems to be the most common suggestion for a female version of the man cave. If you know there's an artist hidden somewhere in your soul, now is the time to let her out. There was a time when an artistic or crafty project only required a sketchbook and a pencil, or a basket of yarn. But not now. Whether you're painting, creating jewelry, sewing, anything ... you need supplies! Even something as seemingly simple as assembling a scrapbook requires stamps, border punches and a lot of things called embellishments. And, of course, you'll need a system for storing all of your supplies. You'll need floor-to-ceiling shelving units with rows and rows of drawers, shelves and cubbies made specifically for crafting. Remember when Belle first peeked into the Beast's library? Yeah, it's like that.

3. Island retreat/home office

A plain home office is so 2000s. Why not be whisked away to the islands in your own home? Just install a hammock, hang some shell artwork, pipe in a little calypso music, and you'll be transported to the islands. But wait, there's more. Set up your chair and desk in a

YOUR CHILD'S BEDROOM

box of beach sand and you'll be able to wiggle your toes in sand all day long. Not kidding. Beach sand. Might as well add the worst part of going to the beach to your home office experience. Because, hey, your vacuum is just going to waste since you're not cleaning up after the kids anymore anyway. I'm surprised the interior beach decorators didn't throw in an aggressive seagull.

4. Wine cellar

111100

Technically, I guess it would be called a wine room since it's probably above ground, but apparently many ambitious homeowners are turning their spare rooms into very elaborate wine storage, complete with computerized inventory control systems. Many of us live close to some of the best wine producing areas in the world, after all. Maybe it's time to expand our wine knowledge and really enjoy the empty nest.

5. Home gym/dance 'studio'

Turn your spare bedroom into a home gym, complete with a ... um ... "dancer's" pole. You know that treadmill that's out in the garage? The one on which the Christmas decorations are stored from January through November? Well haul it inside and set it up right next to your new pole workout system. That's right, Mom, your old workout is so Jane Fonda. The newest way to get in shape is to add a little pole dancing to your exercise regimen. And just imagine Junior's surprise when he comes home to find his old bedroom turned into your very private workout space. If your goal is to make sure he doesn't boomerang, I'm pretty sure the image of mom on the pole will take care of any plans he has to move back home.

Personally, I'm not planning on making any drastic changes to my girls' rooms for quite a while. I like seeing their rooms as they've left them. It's comforting for me, and when they do come home (even if it's just for a visit), I want them to feel comfortable, to know that they're welcome here, and to feel ... well ... at home.

Home should be the place where they know they are accepted and loved, where they can take a break, relax and be happy. A place to get away from dorm food and enjoy some home-cooked ramen noodles for a change. And if a familiar old bedroom helps with any of this, then I'm all for it.

My favorite comfort-of-home description is how my 3-year-old nephew described his grandma's house: "It's blue and warm, and full of food."

That sounds good. That sounds like home.

Cheryl Anderson is a writer and stand-up comedian who has two daughters in college.



"The success of The Campaign for UC Davis shows **the enormity of what can be accomplished** at UC Davis when we work together as one team." —Linda P.B. Katehi, Chancellor

> by Corinna Fish and Sarah Colwell photos by Karin Higgins and Gregory Urquiaga

YOND EGOAL

THE CAMPAIGN FOR UC DAVIS is more than a success-against-all-odds story. It's more than impressive numbers (though those are pretty cool too—see page 24).

The goal-surpassing \$1.1 billion effort, the first comprehensive fundraising campaign in the university's history, is about an ever-expanding community of people connected to UC Davis.

That network extends across the university, up and down California and around the world—reflecting the geographic span of the nearly 110,000 donors who participated in the campaign as well as the global impact of the research and the prospective reach of the students that those donors support.

The campaign, publicly launched in October 2010 and officially concluded this May, exceeded the university's goal of 100,000 donors and \$1 billion in contributions—demonstrating, as Chancellor Linda P.B. Katehi said, "the enormity of what can be accomplished at UC Davis when we work together as one team."

It would take an encyclopedia to detail all the ways in which the campaign has transformed UC Davis, so we highlight just a few on the following pages.







The brains behind your grains

The food on your plate tomorrow may depend on the research done today—in the lab and in the field—by graduate students Brittany Hazard, Joshua Hegarty, Rebecca Turner, Nicolás Cobo and Tyson Howell.

They study the genetics of wheat and other grains with Jorge Dubcovsky, a professor in the Department of Plant Sciences and a Howard Hughes Medical Institute–Gordon and Betty Moore Foundation investigator.

If you eat pasta, then you already benefit from research by Dubcovsky's lab—and from the support it receives from the Howard Hughes Medical Institute–Gordon and Betty Moore Foundation Investigator Program.

Dubcovsky and colleagues are helping to boost the nutritional value of wheat, a grain that provides more than one-fifth of the calories consumed by people around the world. The researchers also develop wheat varieties that are more nutritious, disease- and frostresistant, and better adapted for particular climates—a necessity for farmers confronted with a warming planet.

Stretch for greatness

Darryl '83 and Lois '85 Goss believe that greatness comes from stretching to achieve excellence in all that you do—and having the right kind of support to stretch. Grateful to mentors who inspired them at UC Davis, they have worked to pay that support forward.



Student Marques Barron, in turn, said he is inspired by the Gosses' example.

Darryl and Lois Goss

Barron, a fourth-year African American and African studies major from Merced and an Aggies defensive lineman, is the first recipient of the Joe Singleton Athletic Award. The scholarship, created by the Gosses with matching support from the UC Davis Foundation, is named in honor of the former coach and athletic director who was a mentor to Darryl.

"The Goss scholarship is special to me because I strive to be as helpful and generous as the Gosses," said Barron. "It has helped me be able to support myself, my daughter, and taken a load off my family, which is the most important thing in my life."

The Singleton Award is among several undergraduate scholarships supported by the Gosses. Lois explained: "Student support is where our heart is."

Darryl, who was recently named president of Sigma-Aldrich Corporation's microelectronics manufacturing unit, said he experienced a life-defining moment as a student-athlete playing football under College Football Hall of Fame Coach Jim Sochor.

During one practice, Darryl stretched to make a catch. "Coach Sochor came over and said great players make the tough catch all the time. . . He was talking about the expectation of greatness. And that you do it all the time. Not just when it's convenient."

Marques Barron says he loves the camaraderie of the Aggie football team. "Everyone on the team cares for each other as brothers and would do anything for each other."





Brewing innovation

Students Westley Blacklock, Nadia Duenas and Sunveer Bajwa work together to engineer the perfect cup of java in a new course, "Design of Coffee." The course is one of two new class offerings that teach the principles of chemical engineering through the roasting, processing and brewing of coffee. The popular courses—one is a general education class and the other is for engineering and materials science majors—were organized by professors Tonya Kuhl and Bill Ristenpart to give students more hands-on engineering labs sooner. Kuhl said, "A lot of people don't really know what engineers do. But brewing coffee is tangible to everyone." A gift from John Wasson '84, president and chief operating officer of ICF International, provided students with renovated and refitted lab space. Wasson, who majored in chemical engineering, believes in supporting these types of new courses that blend engineering, business, chemistry and other sciences.





The power of human touch

Jim Donoghue, who never had children of his own, has volunteered countless hours for the last two years in the neonatal intensive care unit (NICU) at UC Davis Children's Hospital, comforting the tiniest of patients.

Donoghue spends hours with premature babies, holding, rocking and patting them when their parents and nurses cannot.

"It's so rewarding watching a child grow and develop," Donoghue said, "and know that my care is helping make that happen."

Because of his generous gift during The Campaign for UC Davis, his love for these premature babies will be felt for years to come—Donoghue has willed most of his estate to the NICU.

The UC Davis Children's Hospital, which is a nationally ranked pediatric hospital with more than 120 physicians in 33 pediatric subspecialties, blends cutting-edge research with patient-focused team care in a nurturing environment because they know that healthy families are happy families.

Jacquelyn Kay-Mills, director of development for the Children's Hospital, said: "Jim's wonderful gift will help provide medical and other care for these special young patients coming into the world—and honors his selfless service to these babies."



Leap of medical science

Healthy horse. Healthy rider. Both animals and people share a stake in the collaborative approach to medical research at UC Davis. The health of the environment rides on it too.

Racehorses that once would have been euthanized because of tendon and ligament injuries may now be given a second lease on life. Some dogs who have lost their jaws due to illness or injury can have them regrown. Wounded soldiers may one day repair their damaged bones with the help of stem cells from their own fat tissue.

Such breakthroughs in regenerative medicine illustrate some of the leaps of knowledge between veterinary and human medicine.

Similarly, the School of Veterinary Medicine's One Health Institute addresses complex health problems around the world with the recognition that the health of domestic animals, wildlife and people are inextricably linked with each other and the environment.

This multidisciplinary and interconnected approach was supported by philanthropic gifts made during The Campaign for UC Davis.

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For more stories, visit go.ucdavis.edu/100stories

THE BIG PICTURE

Giving to The Campaign

THE \$1.1 BILLION GIVEN by nearly 110,000 donors puts UC Davis in the top 2 percent of higher education fundraising programs in the United States. Here, at a glance, are some other numbers from The Campaign for UC Davis—illustrating just how sweeping the university's first comprehensive fundraising campaign truly was.

\$725M Current Use Funds

\$515M Student and Faculty Scholarship, Research and Education

TWO WAYS TO LOOK AT \$1.1 billion

\$230M Patient Care

\$44M Unrestricted \$114M Capital Projects

\$114M Capital Projects

\$52M

und Professorships

\$160M

Student Support

\$279M Endowment

FACULTY SUPPORT



During the campaign, **donors funded 77 new endowed faculty positions**. One chair represents 10 endowed faculty positions.

for UC Davis MONEY FOR STUDY

A total of 1,481 scholarships and fellowships received funding during the campaign. Of those, 1,051 were **newly created**. *One mortarboard represents 10 scholarships or fellowships*.

Number of donations for **\$1 million** or more: 205

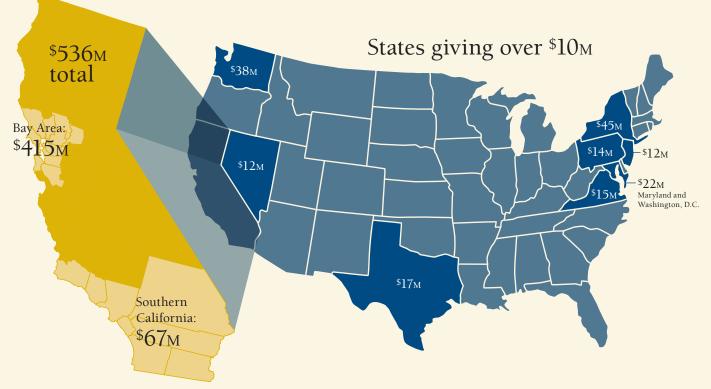
Number of donations for **\$24,999** or less: 106,167

Single largest contribution: \$100 million to establish the Betty Irene Moore School of Nursing, by the Gordon and Betty Moore Foundation

Largest donation by an alum: \$10 million to name

Maurice J. Gallagher, Jr. Hall at the Graduate School of Management, by Maurice J. '71 and Marcia G. Gallagher

GIVING IN CALIFORNIA AND NATIONWIDE



A passion for

PAINTS, BRUSHES AND A WATERCOLOR of a lobster decorate Margrit Mondavi's desk. From a weathered newspaper page taped to the wall, the

by Sarah Colwell

image of Robert Mondavi holds up a glass of red wine. A window opens onto a sunny courtyard, freckled with sculptures and people, backlit by a verdant landscape of grass, grapevines and oak trees.

"You know, there is so much beauty in the world, if we look for it," said Margrit Mondavi. "So much."

Infusing beauty into all aspects of life has been an enduring quest for Mondavi, who a half-century ago brought fine arts, music and great food to Napa Valley and today continues to foster the arts at UC Davis.

An ardent supporter of the university, Mondavi made a \$2 million gift during The Campaign for UC Davis toward the construction of the Jan Shrem and Maria Manetti Shrem Museum of Art. She created scholarships to help students in the arts, humanities, and viticulture and enology programs. And she served as the co-chair of the volunteer Campaign Cabinet that led the \$1.1 billion campaign.

Mondavi's passion for beauty was not born of affluence. She traces its origins to her bohemian hometown of Orselina, Switzerland, and to her mother.

That passion guided her life even when she was a military spouse living in South Dakota, Washington, Germany and Japan, and later when she worked as a Napa Valley winery tour guide making \$2 an hour.

Bringing art to everyday life can be as simple as adding a centerpiece to the breakfast table, she said. "It can be something homemade that has an aesthetic sense, that does improve your life and brings you joy. And then, of course, you share. You immediately share."

Her desire to share beauty is what connected her to

the wine business.

In 1964, three years after moving to Napa Valley, Mondavi and a friend hosted a concert at the Charles Krug Winery to benefit youth music programs. To put on the event, Mondavi borrowed a stage from a school and chairs from a church, booked a performer from the San Francisco Opera, and loaded her own piano into the back of her Volkswagen bus.

"We were so proud," Mondavi said, chuckling. "We raised \$2,000. That was a turning point in my life."

Impressed by her work, Krug publicists offered Mondavi a job as Napa Valley's first female winery tour guide. Soon, she was outpacing her male counterparts in wine sales. In 1967 she went to work at the new Robert Mondavi Winery and was quickly promoted to public relations manager. Through her efforts, the winery became home to a renowned summer musical festival, culinary school and an art collection.

The Mondavis, married from 1980 until Robert's death in 2008, have made a similar mark on UC Davis contributing to name the Robert and Margrit Mondavi Center for the Performing Arts and the Robert Mondavi Institute for Wine and Food Science.

Mondavi hopes the new art museum will similarly elevate the fine arts at UC Davis.

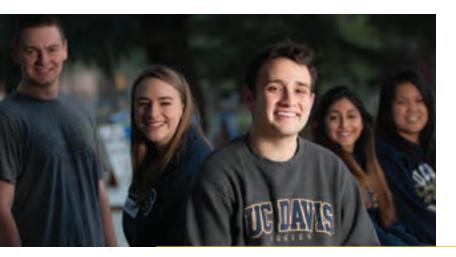
"Much in life is to be at the right place at the right time. And for me, to be with Robert Mondavi at the blossoming of the winery, it was the right time," Mondavi said. "This is true now for UC Davis too. It is a flower that is opening with so many petals. Now with the museum becoming a reality . . . we are really telling the world—other universities, galleries and museums—we are here because we belong. UC Davis belongs."



"Much in life is to be at the right place at the right time. This is true now for UC Davis."

DREW KELLY

THE NEXT GENERATION GIVES BACK



First-generation college student **Bradley Bottoms** and his fellow senators of the Associated Students, University of California, Davis, **donated 100 percent** of their paychecks to support the ASUCD Award Fund, which was created during The Campaign for UC Davis and helped raise more than \$100,000 for Aggie students' education.

"I donate my time and money because I've seen these students, just like me, and I understand how badly they need it," said Bottoms, 2013–14 vice president of ASUCD and leader of the scholarship program.



The single largest gift to The Campaign for UC Davis, a \$100 million grant from the Gordon and Betty Moore Foundation, did more than create the Betty Irene Moore School of Nursing: It inspired a vibrant culture of philan-thropy among the school's students. Since the school opened in 2009, **100 percent of every single class has made gifts** at enrollment and upon graduation. The inaugural classes, left, founded the endowment of a scholarship for future nursing students.





Students from the UC Davis Telephone Outreach Program were the friendly voices on the other end of the line for many donors who gave to the UC Davis Annual Fund during The Campaign for UC Davis. These students helped inspire more than 35,000 donors to give \$13.2 million to the Annual Fund.

The **We Are Aggie Pride** program is an awardwinning, **student-run philanthropy group** that is the only one of its kind on the West Coast. It started when a group of students realized that some of their peers' pursuit of a college degree was disrupted by short-term financial crises that weren't met by financial aid or that their families couldn't cover. We Are Aggie Pride was created to help pay for tuition, food, rent, books and other costs essential to keeping students on track for academic success. To date, the group has raised more than **\$70,000**, which has helped about 30 students.





EASING THE PAIN

By Debra Minnema-Dingman and Sarah Colwell

EVEN AFTER 12 YEARS, Charles "Charlie" Fullerton's heart still aches for his late wife, Pat.

They were married for 55 years until her death in 2002. "She stuck close to me. We always did everything together," Fullerton, 91, of Sacramento said, smiling as he added: "She even loved my dog."

Fullerton first met Pat in high school in Reseda in the San Fernando Valley when she was his girlfriend's little sister. When Fullerton returned home from World War II, having been shot and surviving a bombing that killed 197 of his peers, he learned that in his absence this girlfriend had married someone else.

But all was not lost. A "beautiful girl in a black swimsuit" at the community pool caught his attention one afternoon. "The little sister had grown up," he recalled with a sparkle in his eye. Not long after, the couple eloped to Las Vegas.

Fullerton soon landed a job with the California Department of Fish and Game, where he eventually became "the first boss to come up through the ranks." He worked under Govs. Ronald Reagan and Jerry Brown. When Reagan became president in 1981, he recruited Fullerton to negotiate treaties with 13 countries to secure U.S. fishing rights. Through it all—several careers that spanned more than 50 years and required him to travel the world five times—Pat was by his side.

After Fullerton's retirement from federal service, Pat began experiencing constant pain from arthritis. The throbbing and sharp jolts she felt in her joints with every movement gave the couple a mission: find better pain management solutions.

After Pat died, Fullerton stepped up his efforts, activating his estate gift early to create the Charles and Patricia Fullerton Endowed Chair in Pain Medicine. The position—held by Scott Fishman, M.D., chief of UC Davis' Division of Pain Medicine—helps advance patient care, education and research on all aspects of pain management.

Fullerton has also provided scholarships in his wife's memory to support students at the UC Davis Betty Irene Moore School of Nursing who are interested in pain management.

"Charlie's support has been transformational," said Nora Moore Jimenez, UC Davis Health System development director. "His support of Dr. Fishman's work and interprofessional education has brought attention to an important area of medicine that affects millions of people."

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Maceo Contreras, class of 2030

To learn more about how you can unite your legacy with the future of UC Davis, visit **plannedgiving.ucdavis.edu**.

ONE WORLD ONE UC DAVIS



THE DOCTOR IS ONLINE

Telemedicine is leading a revolution in connecting people to better health care

by Josh Baxt photos by Robert Durell

As the Affordable Care Act rolls out, connected health will become even more integrated into the nation's medical fabric. UC Davis is already there.

AMERICA IS FACING A HEALTH-CARE CONUNDRUM.

While the Affordable Care Act is expanding coverage for millions, no one is sure how these additional patients will impact the system. How do we find medical homes for the newly insured? Will there be enough physicians? Can hospitals handle the extra load?

Part of the solution may come from the burgeoning field of connected health, which includes telehealth, networked devices, smart phone apps and electronic health records. The same technologies that power business teleconferences can also enhance communication between physicians and patients.

"If we are going to use our current provider work force to care for patients already being treated, plus the millions of new folks who will be seeking care as a result of health-care reform, we will have to expand our tool set beyond the office visit," says Joseph Kvedar, who directs the Center for Connected Health in Boston. "Connected health is a big part of the solution."

Front and center in creating that solution is the UC Davis Health System. For more than two decades, UC Davis has been a leader in telehealth—enhancing patient care and bringing specialist expertise to underserved areas.

UC Davis began pioneering telemedicine in 1992, when family physician Thomas Nesbitt '75, M.D. '79, established a telefetal-monitoring project that connected specialists with a Colusa County hospital. The project allowed the small community hospital to reopen its obstetrics program and deliver babies again for the first time after a four-year hiatus.

Nesbitt's concern about disparities in rural 🥥



UC President Janet Napolitano chats with Nathaniel Lara, a physician assistant student from the Betty Irene Moore School of Nursing, during a visit last year to UC Davis' Center for Virtual Care. Lara and classmates Dale Risenhoover, left, Brittany Gerali and Allison O'Brien were practicing procedures on computer-controlled lifelike mannequins.

health care goes back to the earliest days of his career. As a resident and young doctor in eastern Washington and northern Idaho in the 1980s, he treated women who had received little or no prenatal care.

"Telemedicine is all about reducing geographic disparities. It's about getting the right expertise to the right people at the right time."

> —Thomas Nesbitt, associate vice chancellor for Strategic Technologies and Alliances

"I saw firsthand how the lack of specialists at a small community hospital could reduce care," said Nesbitt, who joined the UC Davis faculty in 1988 and has focused on improving health care access ever since.

Telehealth proved to be a "great solution," said Nesbitt, who, as associate vice chancellor for strategic technolo-

gies and alliances, oversees UC Davis' application of technology-enabled care and education.

"Telemedicine is all about reducing geographic disparities," he said. "It's about getting the right expertise to the right people at the right time." The fetal monitoring project, and other programs spearheaded by Nesbitt, evolved into UC Davis' Center for Health and Technology. The advanced telemedicine program now provides access to more than 30 specialties, including dermatology, psychiatry, orthopaedics and endocrinology, to patients and their doctors at more than 100 clinics and hospitals in Northern California.

"If you're living an hour or two outside an urban center, your access to specialists drops off considerably," said Aaron Bair, the center's medical director.

With the spread of wireless devices and other technological advances, telemedicine is increasingly able to close that geographic divide.

"Early on, you had to spend \$50,000 or \$60,000 dollars for a teleconferencing system," Bair said. "That was for just one machine, and naturally you needed at least two to talk to anyone. Now you can do pretty much everything on an iPad with a secure connection."

Expanding reach

A new program—Pediatric Emergency Assistance to Newborns Using Telehealth, or PEANUT—provides rural clinicians 24/7 access to pediatric specialists in the most commonly needed subspecialties to treat respiratory distress, pneumonia, hypoglycemia, sepsis and other conditions. The program is funded by the U.S. Department of Health and Human Services Office for the Advancement of Telehealth.

Another UC Davis program, HEALTH-COP— Healthy Eating Active Living TeleHealth Community of Practice—creates a virtual learning network to help doctors provide better care and counseling to families struggling with obesity.

The UC Davis Comprehensive Cancer Center uses the technology to conduct virtual tumor boards with its cancer center network. The sessions bring together a range of medical disciplines to address how to improve care for cancer patients.

The technology is also helping researchers conduct clinical and population health studies. In one trial, clinicians were able check in with patients who are too sick to leave the house.

"There have to be follow-up visits," says Hien Nguyen, medical director of the health system's electronic medical records. "Patients who are sick with the flu don't want to come in. With telemedicine, mobile nurses can visit patients, and they don't have to go anywhere."

A 'pre-eminent' program

The Center for Health and Technology also offers training for health care providers interested in setting up their own telemedicine programs.

A recent two-day lecture and hands-on class drew participants from Iowa, Kansas, Minnesota, Michigan, Colorado and Ohio. The class explained the ins and outs of telehealth, including equipment types, billing arrangements, public policy and even how to overcome technical difficulties.

"Our technicians run participants through troubleshooting scenarios," Bair said. "Sometimes it's good to break the machine, so to speak, and have the technical team demonstrate how to fix it."

To make these interventions as realistic as possible,

the program utilizes high-tech training labs, mock exam rooms and consultation suites for hands-on experiences.

Nearly 2,000 people from 800 organizations around the world have taken the courses.

"UC Davis boasts the pre-eminent connected health program in California, and is one of a handful of successful programs in the U.S.," says Kvedar of Boston's Center for Connected Health. "The Center for Health and Technology is recognized for its innovation in technology-enabled care, education and research. This is great for patients because it gives them the tools to manage their health, rather than having to schedule time, travel, parking and waiting."

UC Davis' Bair said telemedicine holds even greater promise for reducing unnecessary hospitalizations and improving quality of life for millions of patients.

"The potential," he said, "is enormous."

A version of this article first appeared in the spring 2014 issue of UC Davis Medicine.



Classrooms are equipped with state-of-the-art technology to facilitate distance learning, telehealth implementation education and small-group practice rooms.

ALUMNI

ALUMNI CALENDAR

Aggie Welcomes

Alumni are invited to share their UC Davis experience with incoming students.

August–September San Diego, Orange County, LA

Campus Showcase

Rediscover UC Davis and relive the college experience at this event featuring talks by faculty speakers and campus tours.

Oct. 31 Buehler Alumni Center

Homecoming weekend

Pajamarino

Join the Student Alumni Association in a tradition that goes back to 1912, when pajama-clad students sneaked out of the residence halls to greet returning alumni at the train station.

Oct. 10

Davis Amtrak Station

Pregame winetasting

Wine tasting with the Aggies

Oct. 11, 1–3:30 p.m Aggie Stadium tailgating field

Homecoming Game

UC Davis vs. Montana State University Oct. 11, 4 p.m. Aggie Stadium





ACA UNDISCOVERED ITALY: TUSCANY

Experience the charm of Tuscany and the architectural treasures of Florence and Siena during this seven-night program.

Oct. 15-23 • From \$3,045

CANARY ISLANDS & MOROCCO

Cruise from the fabled coast of Morocco to the sun-washed Canary Islands with ports of call every day on this nine-day program.

Nov. 7–15 • From \$3,995

MAYAN MYSTIQUE

Cruise the Caribbean along the coasts of Florida and Central America.

Jan. 6-16, 2015 • From \$2,499



ACA CRUISE THE MOSEL, RHINE AND MAIN RIVERS See the German countryside from a state-of-the-art river cruiser. Sept. 22–30 • From \$2,945

POLYNESIAN PARADISE

This 10-night cruise includes stops in Moorea, Bora Bora, Rangiroa and Tahiti.

Jan. 14-24, 2015 • From \$3,799

VOYAGE OF DISCOVERY: WONDERS OF THE GALAPAGOS ISLANDS

Visit seven islands to see exotic birds, animals and plants, including species unknown elsewhere in the world.

Feb. 6-14, 2015 • From \$4,195

MYSTICAL INDIA

Spiritual, chaotic and confounding, India abounds with riches that invite your personal exploration.

Feb. 15–March 4, 2015 • From \$5,594, including airfare

GAUCHOS, TANGOS & TAPAS

Cruise along South America's east coast and visit Rio Grande, Porto Belo, São Paulo, Buenos Aires, Montevideo and the unspoiled island of Ilha Grande.

Feb. 22–March 7, 2015 • From \$4,299, including airfare

For a full list of Aggie Adventure travel opportunities, trip details, deadlines and cost, visit **alumni.ucdavis.edu/travel**, call 530-752-4502 or email aggieadventures@ucdavis.edu.

Dates and prices are subject to minor changes.

One world, endless Aggie Adventures.

CAAA MEMBER PROFILE A life devoted to breaking barriers

SHARON DIANNE FRITTER HOL-LINGSHEAD '63, Cred. '63, wasn't able to major in computer science when she attended UC Davis—nobody could until the major was established two decades later. But that didn't stop her from becoming a pioneer in the field.

Encouraged by her professors to pursue her gifts for math and computing while earning her bachelor's degree in psychology, Hollingshead went on to an international career with IBM and System Integrators Inc. She installed computing systems around the world for the two technology corporations, exposing many communities to computers for the first time.

Hollingshead said she is grateful to the late Professor William Dukes, founding chair of the psychology department, and other faculty who mentored her: "My UC Davis education inspired and enabled me to be part of the exciting world of computer science, and to have an immensely rewarding career, and life—for which I will always be grateful, and which in turn inspires me to give back to this great university."

Since moving back to Davis from Peru in 1981, Hollingshead has been active in CAAA. She encourages students to pursue their passions regardless of barriers. And she and her husband, Bill Hollingshead '60, recently gave their first major gift to The Campaign for UC Davis for the Music Recital Hall. (Former high school sweethearts, the couple reconnected at a Woodland High School reunion in 2000 and married in 2004.)

In today's "new reality" of college education costs, she hopes to lighten students' financial load and encourages other alumni to give back. "Thanks to state support of the UC system, I could work to put myself through school and keep up my grades at the same time, but that's no longer the reality. It doesn't really matter what you contribute to, it's about supporting students. And your gift helps make others aware of the new reality."

ALUMNI

CLASS NOTES

1960

Blood Moon, a book of poems by **Jane** (**Conant**) **Blue**, M.A. '78, was published by FutureCycle Press in January.

1965

Tom Stanton co-edited a book, *Managing Risk and Performance: A Guide for Government Decision Makers* (John Wiley & Sons, 2014). A Washington, D.C.-based attorney, he teaches graduate courses at Johns Hopkins University's Center for Advanced Governmental Studies. He is president-elect of the Association of Federal Enterprise Risk Management and a fellow of the National Academy of Public Administration.

1972

A new book by **David Meuel**, *Women in the Films of John Ford* (McFarland Publishing, 2014), combines his love of film and writing. A lifelong student of films, he previously has written poems, short stories, and articles on subjects including theater, U.S. national parks, writing

Keep in touch

Send class notes to magazine@ucdavis.edu

Contact the alumni association

Phone: 530-752-0286 or 800-242-4723 Email: alumni@ucdavis.edu

Web: alumni.ucdavis.edu

President:

Chuck Nichols '83, '84

Vice President/President-Elect: Ramak Siadatan '99, M.B.A. '06

Executive Director: Richard Engel '90, Cred. '91 and speaking for business. He lives in Menlo Park.

Evolutionary biologist **David Seaborg**'s book of poetry, *Honor Thy Sow Bug*, has gone into its fifth printing. To order a copy, email him at davidseaborg@juno. com. Seaborg is founder and president of the World Rainforest Fund (world-rainforest.org), a nonprofit organization dedicated to saving rainforests by empowering indigenous people.

Ken White, Cred. '73, wrote *Getaway Day* (Tate Publishing, 2014), a comingof-age novel set against the backdrop of the 1962 World Series. His website is kenwhite.tateauthor.com.

1974

Jack de Golia was recently designated an "Audible Approved Producer" by Audible.com. A retired U.S. Forest Service spokesman, he has narrated and produced nearly two dozen audiobooks since January 2013. His website is jackwestcoast.com.

1976

Tom Garrison, M.A., has written a second book, *Challenge Authority: Memoir of a Baby Boomer*, which is available in paperback and digital format.

Craig McNamara was named the 2014 Agriculturalist of the Year award by the California State Fair. A Winters farmer, he is president of the California State Board of Food and Agriculture and the founding president of the Center for Land-Based Learning, which seeks to help high school students become lifelong learners.

Bill Pickens, Ph.D., is a consultant for colleges and universities in leadership

development, governance and finance. During a career in California higher education, he previously served as chancellor of a set of small colleges, president of a large nonprofit foundation, business affairs administrator at Sacramento State University, and in senior positions in the state's higher education agency. He is currently writing nonfiction books, *Two Very Different Men and Their Extraordinary Lives*, and *A Privileged White Kid from New Mexico*.

1977

A historical novel by **Jerry Coker**, *First Among Men: A Story of the Invasion of Attu Island*, was published by Pocol Press in May 2013. The book is a fictionalized account of the World War II battle by the U.S. Army's 7th Infantry Division to reclaim the Aleutian island from Japanese forces. Coker dedicated the book to his father, Roy, who earned a Bronze Star for valor as an Army infantryman in the 1943 invasion.

1981

Tamara (Hupe) Skov is a real estate agent with boutique brokerage Santa Barbara Living. A resident of Santa Barbara since 1990, she previously worked as director for contributor services at United Way, director of development at Sansum Clinic and, most recently, executive director of the Visiting Nurse and Hospice Care Foundation.

1984

Cathy Warner wrote a book of poetry, *Burnt Offerings* (eLectio Publishing, 2014). She is donating 10 percent of her royalties to the Orca Network. A former United Methodist pastor, she earned an M.F.A. in creative writing from Seattle Pacific University in 2011 and lives near Seattle.

1985

Col. **David A. Bitterman**, chief of staff of the U.S. Army's Southern Regional Medical Command in Houston, Texas, recently received an American College of Healthcare Executives award for excellence in healthcare management.

1986

Cecilia Menjivar, M.A., Ph.D. '92, coedited *Creating Immigrant "Illegality": Critiques, Experiences, and Responses* (Cambridge University Press, 2013). She is Cowden Distinguished Professor at the T. Denny Sanford School of Social and Family Dynamics at Arizona State University. She is also the author of *Enduring Violence: Ladina Women's Everyday Lives in Guatemala* (University of California Press, 2011).

Stephen Mitchell, of Fairfield, had his photo taken with St. Louis Cardinals infielder Daniel Descalso '07 while they waited for their luggage at San Francisco International Airport last November. The two Aggies had been on the same flight from St. Louis—Mitchell, an Air Force Reserve colonel returning from duty at Scott Air Force Base in Illinois, and Descalso from the 2013 World Series. In April, Mitchell met Descalso again at a game at the Cardinals' Busch Stadium, and got that photo autographed.

1987

Douglas Bordner, a business, corporate transaction and real estate attorney, is now a partner at Myers, Widders, Gibson, Jones & Feingold. He runs the law firm's Thousand Oaks office.

1992

James Dante wrote The Tiger's Wedding



"A better world needs a better wine" is the motto of Senders Winery. And UC Davis surgeon Craig Senders and his wife, Karen, use the proceeds from their artisan wines to improve the lives and smiles of children around the world.

The Senders have been handcrafting wine at home since 1999, marrying their passions for food and wine, art and science. Craig Senders is a professor of otolaryngology and director of UC Davis' Cleft and Craniofacial Program who frequently volunteers on international medical missions to surgically repair cleft lips and palettes. Karen Senders is an acclaimed cook who infuses her dishes with Texan heat.

"We started helping a close friend in our neighborhood who was making his own wine, and then we decided to try our hand at it. We started entering our wines at the State Fair and Napa's Home Winemaker Competition and winning awards," Karen said. "Around the same time, Craig was bringing bottles to national conferences and his colleagues said, 'We want to buy this.' So we thought, why not try selling this?"

Starting with the "amazing grapes" from UC Davis' Oakville vineyard, Craig then applies his sensory knowledge [as an ear, nose and throat specialist] to the KARIN HIGGINS/UC Davis

sensory experience of wine: His approach can be described as "reverseengineering desire into wine."

After the wine is bottled, presenting sensory tastings allows Craig to link wine, food, his chemistry training, his surgical specialty, and his love of teaching.

Craig and Karen participate in the Alumni Wine Program, recently hosting a sensory tasting and pouring at a Picnic Day eve Vintage Aggies Wine Tasting. The Alumni Wine Program "utilizes the strengths of UC Davis and is win-win for everyone involved. It brings people back to their roots and takes them to the frontier of cutting-edge enology at the same time," Craig said.

"At UC Davis, wine opens its arms to you."

The Alumni Wine Program offers an array of opportunities for alumni and friends of UC Davis to share their wines with fellow alumni, parents and friends of the university through wine events, tour and tastings and wine education programs.

To learn how you can become involved, visit **alumni.ucdavis.edu**

ALUMNI

(Martin Sisters Publishing, 2013). The novel is set in South Korea, where he taught English at three language schools after graduating. He is working on a second novel, set in Russia.

Brian Ebbert, assistant chief clerk/parliamentarian for the California State Assembly, has been elected vice president of the American Institute of Parliamentarians for the Sacramento region.

1993

An e-book by **Alan Parris Archuleta**, *The Gospel of Hemp: How Hemp Can Save Our World*, is available on Amazon and other major e-book sellers.

Terri Dawn Arnold earned an M.A. in educational leadership and a preliminary administrative services credential at Azusa Pacific University. She graduated in the top 1 percent of her class and is a new member of Alpha Chi and Pi Lambda Theta honor societies. The former English teacher also holds a M.Ed. from Indiana Wesleyan University.

1994

Austin Jersild, Ph.D., wrote the book, *The Sino-Soviet Alliance: An International History* (University of North Carolina Press, 2014). He is an associate professor of history at Old Dominion University in Norfolk, Va.

1995

Actress **Deborah (Adams) Anderson**, M.F.A., co-produced *Sonnet Love Songs*, a compilation of classic sonnets set to original, classical and jazz music. Composer Richard DeRosa applied her melodies and artistic concepts in writing the songs.

A new book by **Robert Fletcher**, *Romancing the Wild: Cultural Dimensions of Ecotourism* (Duke University Press, 2014), examines why some vacationers like to rough it on ecotours. A cultural anthropologist, he teaches in the Department of Environment and Development at the United Nations-mandated University for Peace in Costa Rica. He blogs at ecotourismconservation. wordpress.com.

1997

A debut collection of short stories by **Halina Duraj**, M.A. '03, *The Family Cannon*, won Augury Books' Editors' Prize and was published this year. She is an assistant professor of English at the University of San Diego.

Tasha (Jablonski) Miller has released a trilogy of albums called *FIRSTCOMES*-*LOVE*. She says she wrote, arranged, sang and produced the 32 songs on the three albums—*The Boob Guy, Needs, Wilderness (in a 10lb gown)*—over a period of three years as a way of coping after her husband, **Scott Miller** '96, began treatment for cancer. "My husband is currently cleeeeean as a whistle," she writes. The Millers live in Portland, Ore., with their three children, ages 7–11. Her websites are MrsTashaMiller.com and Bathrobed-HousewivesAssociation.com.

1999

Catherine Lantz co-authored *Hawthorne Works*, part of the Arcadia Images of America series. A reference librarian at the University of Illinois at Chicago, she was working at Morton College Library and the Hawthorne Works Museum when she wrote the pictorial history about the Western Electric plant in Cicero, Ill.

2000

Jonathan Bowman was recently appointed associate dean for advising and curriculum in the University of San Diego's College of Arts and Sciences.

2002

Melissa Johnson Hallas and Ryan

Hallas '11, welcomed their second son, Erik James, in August. He was born in their car near the Mondavi Center. The Hallases extend kudos to the UC Davis Fire Department for its help.

2006

Martin Tran has developed a free social media app, Plaswers, that allows users to find out from other users what's happening at a place in real-time. He will graduate in May from pharmacy school at Touro University in Vallejo.

2007

Brian Hoblit, MBA, joined Sacramentobased River City Bank as vice president and relationship manager. He previously spent nearly five years at Wells Fargo.

2009

Timothy Orr, M.F.A., was selected as producing artistic director of the Colorado Shakespeare Festival in April. He joined the theater company at the University of Colorado Boulder as a performer in 2007, became associate producing director in 2011, and served as interim director since February 2013.

2011

Ben Rosenthal, M.F.A., an assistant professor of expanded media at the University of Kansas, is a collaborator in "human, next," a performance that intertwines contemporary dance with video art. In March, the 12-minute piece was performed in New York City and a video adaptation, *Human, Next: Phase One*, was screened at Athens Animfest in Greece. For more information, visit website human-next.com.

IN MEMORIAM

Irving Eaks, M.S. '50, Ph.D. '53, age 90, Feb. 1. World War II Army veteran who witnessed the liberation of the last Dachau concentration camp prisoners; UC Riverside plant physiologist and biochemistry lecturer emeritus; expert on postharvest storage, transportation and ripening of citrus and avocados.

Tondre Alarid '49, Soledad, age 88, March 27. Navy veteran and retired farmer.

Robert Fowler '49, Roseville, age 85, April 1. Fruit tree expert and nursery owner.

Thomas Hitchcock '51, Corral De Tierra, age 86, Jan. 12. World War II Army veteran, retired produce industry executive.

George West '53, D.V.M. '57, M.P.V.M. '83, Davis, age 87, April 2. A decorated World War II Marine Corps veteran and retired Army Reserve lieutenant colonel; retired California Department of Food and Agriculture veterinarian.

Lawrence "Larry" Levin, who did a medical residency and fellowship during 1981–86, Medford, Ore., age 64, Feb. 11. A former rheumatologist at the Queen's Medical Center and Straub Clinic and Hospital in Honolulu.

Robert Matchett '64, M.S. '66, Seattle, age 72, March 26. Retired cereal breeder, Northrup-King, Resource, Goldsmith seed companies.

Michelle "Micki" Mahoney Aronson '66, Eureka, age 69, Feb. 24. Labor and delivery nurse.

Robert Ansell '71, D.V.M. '73, Clayton, age 74, March 1. Navy veteran, Concord veterinarian.

Scott Hewett '76, J.D. '96, Santa Rosa,

age 59. Patent attorney and former manufacturing engineer.

Edward Dillon '77, Rocklin, age 59, Dec. 30, 2013. CEO of Polycomp.

Michael Dougherty '87, Seattle, age 49, Jan. 21. Lead partner at Envoy Capital Investments.

Norelisa (Miller) Gonzales '88, San Carlos, age 47, March 4. Homemaker and school volunteer.

Melinda Nielsen-Sousa '97, Modesto, age 38, March 7. English teacher, and member of National Ski Patrol.

Jennifer Lynn Johnson Carr '98, Woodland, age 38, Nov. 19, 2013. Science and P.E. teacher at Beamer Elementary School in Woodland.

Kyle Hubbard '08, Sacramento, age 31, Feb. 22. Bartender.

Paul Hammons '12, Santa Clarita, age 24, Dec. 31, 2013.

Kourtney Lampedecchio, M.F.A. '12, Shingle Springs, age 33, February. Set designer.

Faculty

Veterinary medicine professor emeritus **Murray Fowler**, who, as the recognized "father of zoological medicine," pioneered care for nondomesticated animals in zoos and the wild, died in May. A Davis resident, he was 85.

Elliot Goldstein, a former medical professor and chief of infectious disease, died in March in Woodland. He was 79. During the Vietnam War, he was a U.S. Army major.

Veterinary medicine professor emeritus **Steven Haskins**—a pioneer in veterinary anesthesiology and small animal

emergency medicine and critical care died in April when the plane he was piloting crashed in Arizona. A resident of rural Davis, he was 69.

Richard Ikeda, a Sacramento physician who mentored some of UC Davis' first medical students while working and teaching at the UC Davis Medical Center, died in January. He was 81.

John Jungerman, professor emeritus of physics and founding director of the university's Crocker Nuclear Laboratory, died in March 28. He was 92. As a graduate student at UC Berkeley and Los Alamos during World War II, he worked on the Manhattan Project, witnessing the first atomic bomb test in 1945. In 2011, the campus building housing the Crocker Nuclear Lab was named John A. Jungerman Hall.

Sydney Kustu, Ph.D. '70, a former bacteriology faculty member who solved fundamental puzzles of nitrogen regulation, died in March in Berkeley on her 71st birthday. A National Academy of Sciences member, she taught at UC Davis from 1973 to 1987, then at UC Berkeley until her 2010 retirement.

Dewey Raski, a renowned nematologist and founding chair of the entomology department, died in January in his Davis home at age 96. He studied nematodes in vineyards and sugarbeet fields, relationships between nematodes and the plant viruses they transmit, and safer alternatives for nematode control.

Barry Wilson, a retired professor of animal science and environmental toxicology, died in March. A Davis resident, he was 82. His research focused on neuromuscular development, pesticides and neurotoxins. SPORTS

A HEADY WIN

UC DAV

Sam Hoeck, a third-year defender from San Diego, celebrates with his teammates after scoring the lone goal on a header in the Aggies' upset victory over the Sacramento Republic FC. A sold-out crowd of 1,375 watched the spring exhibition match with the professional soccer club. Aggies coach Dwayne Shaffer said the game was a win for soccer overall: "That's the beauty of soccer, on any given day anybody can win in this game." UC Davis could have claimed a partial victory had the game gone to the Republic FC. The club's jerseys bear the name of season presenting partner UC Davis Children's Hospital.

dunk shot At fame

SEVENTY-NINE YEARS AFTER HE LAST PLAYED

basketball for the Aggies, Bernard "Barney" Dobbas was back in national news, highlighted in a *Daily Beast* story, "Secret History of the First Dunk."

On the eve of an NBA slam dunk contest in February, Arkansas-based writer Evin Demirel explored the origins of the dunk shot: "The earliest mention I found is in a Jan. 12, 1935, account of University of California, Davis, star Bernard '[B]arney' Dobbas. In a win against Chico State college, Dobbas poured in 27 of his Aggies' 42 points. With less than 10 minutes left, 'the 6-foot-2 center busted through again and dribble[d] down court for another 'dunk' shot to give his team a 33–32 lead,' reported the *Woodland Daily Democrat.*"

It was hardly the first time that Dobbas made the news. According to his 1996 obituary in *The Sacramento Bee*, he became a national celebrity in 1939 when he used a tree limb to fight off and kill a mountain lion that was mauling his dog. As a UC Davis student, he served as a sparring partner for boxing heavyweight champion Max Baer. In the 1960s, the then-Auburn rancher wrangled with the Placer County Water Agency, first refusing to vacate and ultimately winning a new summer cabin to replace one destroyed by the construction of the French Meadows Reservoir.

Photos in the 1932–35 campus yearbooks show Dobbas—at 6 feet 2 inches or 6 feet 3 inches—towering over his Aggie teammates. (By comparison, the tallest player on the 2013–14 team stands 6 feet 9 inches.)

A leading scorer and the 1935 captain, Dobbas was inducted into the Cal Aggie Hall of Fame in 1984. After attending what was then the UC Branch of the College of Agriculture in Davis for four years, he graduated from UC Berkeley in 1936.



OPENING GAME AT STANFORD

Farm vs. Farm, redux

The UC Davis football team will open its 2014 season against Stanford University on Aug. 30 their first game since the Aggies' stunning 20–17 upset in 2005.

Season ticket holders will have the first shot at buying tickets in the UC Davis section at Stanford Stadium. For information, contact the UC Davis Ticket Office at 530-752-AGS1.



One to One Being Gunrock



Gregory Cunningham,

Ph.D. '05: Performed for three years
Named "Most Collegiate Mascot" at a cheer camp
Most memorable game: when the Aggie football team beat
Stanford in September 2005

"Working as Gunrock was pure joy. Bad moods and stress slipped away immediately upon putting

on that big blue head. I discovered that I was able to do handsprings and hand-walk despite no gymnastics training. Wearing that suit was liberating and allowed me to play for the sake of playing—something we rarely do as adults. My time in the suit helped me get through the difficult moments of graduate school.

I miss that horse."

Cunningham is associate professor of biology at St. John Fisher College in Rochester, N.Y.

Catch up with Gunrock on Facebook at facebook.com/GunrockUCDavis

Gregory Fulks '12:

Once lost his horse head while spinning on a basketball court (the Aggie Pack came to the rescue!) • Got fan mail from Stanford fans for his performance at the 2011 women's NCAA basketball tournament



"Gunrock has no

peripheral vision . . . The suit is like a fur coat covering your whole body: No ventilation, no fresh air, and you are constantly running around making yourself even hotter.

Now let me explain why I did it: You are a giant blue horse with few rules. . . . I'd run across the field and climb the goal post (who is going to stop me?). I could be the crazy fan who runs on the field and starts dancing. I can make someone's day just by taking a picture with them."

Fulks is a production artist for #Besomebody, a motivational company. Precions Reynolds is one of only three known survivors of the rabies virus.

One of three survivors

"Yon've gotta fight that big bad bug," said Shirlee Roby,

watching helplessly as her granddaughter, Precious Reynolds, fought for her life.

With a rabies diagnosis, statistics said Precious would not survive the week. But thanks to a revolutionary treatment—and quick thinking on the part of pediatric specialist Jean Wiedeman and her UC Davis team—Precious beat the virus, which made her one of only three people in the U.S. who have survived rabies without inoculation.

Now, Precious is pretty in pink with a bright future ahead. ONE WORLD ONE UCDAVIS.EDU/ONE Getting more than one copy of UC Davis Magazine? Moving? Let us know. Please send your mailing label or labels and current address information to UC Davis Magazine, University of California, One Shields Ave., Davis, CA 95616-8687. Or send the information via email to ais@ucdavis.edu. All other email correspondence should be sent to magazine@ucdavis.edu.

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START THE SUMMER OFF RIGHT WITH A TRUCKEE GETAWAY

The Cal Aggie Alumni Association is excited to offer a beautiful Sierra Nevada property for rental year-round.

Set on 210 acres bordering a private lake, the 5,500 square-foot mountain home offers luxury accommodations—with room for two to three families (comfortably sleeps up to 16 people). The paneled great room with stone fireplace opens onto a cedar-plank deck that features a fireplace and hot tub. Located near Donner Summit off Interstate 80 about 30 minutes from Truckee, the property also includes a tennis court, basketball hoop, and a lake with beach area that is perfect for swimming, fishing or boating.

For more information or to book your stay, call Aggie Adventures at **530-752-4502** or email **crystallakeproperties@ucdavis.edu.**

CAAA life members save \$100 off nightly rate.





CAL AGGIE ALUMNI ASSOCIATION