

# UCR

THE MAGAZINE OF UC RIVERSIDE

FALL 2014 VOL. 9 NO. 4



**IDEAS FOR A THIRSTY CALIFORNIA**  
HOW MANAGING OUR WATER CAN HELP THE REST OF THE WORLD

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UCR Magazine is published by the Office of Strategic Communications, University of California, Riverside, and it is distributed free to the University community.

Editorial offices: 900 University Ave., 1156 Hinderaker Hall, University of California, Riverside, CA 92521, telephone (951) 827-6397. Unless otherwise indicated, text may be reprinted without permission. Please credit University of California, Riverside.

USPS 006-433 is published four times a year: winter, spring, summer and fall by the University of California, Riverside, Riverside, CA 92521-0155.

Periodicals postage rates paid at Riverside, CA.

POSTMASTER: Send address changes to UCR, Subscription Services (0063), 900 University Ave., 1156 Hinderaker Hall, Riverside, CA 92521.

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You can digitally view the magazine via a Flash version and a downloadable PDF. You can also share your favorite stories on your social networks, watch videos and give us your feedback at [magazine.ucr.edu](http://magazine.ucr.edu).

 **Making Sure Water is Reusable**  
Professor Sharon Walker's research on water safety

 **Controlling Fires Can Help in the Drought**  
Marko Princevac's research helps firefighters control wildfires

 **Then and Now**  
Compare photos of UCR from more than 40 years ago and today

 **Tiffany López**  
Professor López reads an excerpt from her book, "The Alchemy of Blood: Violence, Trauma, and Critical Witnessing in U.S. Latina/o Cultural Production," and an excerpt from Tomás Rivera's classic novel, "And the Earth Did Not Devour Him."

 **Tiffany López**  
López's essay on "Trauma and Mass Incarceration" gives insight on her scholarship.



*Homecoming.ucr.edu*  
**Scotty's Birthday Party**  
 11.13

Celebrate Scotty's birthday with him at the bell tower. Festivities include music, activities and plenty of opportunities to snatch a photo with Scotty the Bear himself!

Did you know? UCR's first Scotty was actually a Scottish terrier! Her name was Lady Mac Tavish of Walpole, and she was known to UCR students as Buttons.

*www.gohighlanders.com*  
**Women's Basketball Game vs. Santa Clara**  
 11.14

The women's basketball game kicks off Scot Fest festivities, 7 p.m. at the Student Rec Center. Tickets are available online or by calling (951) 827-4653.

*Homecoming.ucr.edu*  
**Homecoming Bonfire**

Sure, we'll light the UC San Diego mascot King Triton on fire at the traditional Homecoming Bonfire, but we'll also have food, attractions, music and dancing for all to enjoy.

Cesar Pla, campus fire inspector, lists the 2009 UCR Homecoming Bonfire as his most memorable. The bonfire was held off-campus in the dirt lot adjacent to Lot 30. "It was raining cats and dogs that day, and since it was on dirt, it turned out to be a mud pit. The students were covered in mud up to their waists!" said Pla.

*Homecoming.ucr.edu*  
**Scot Fest**  
 11.15

The Seventh Annual Highlander Scot Fest will have a food truck festival, student performances, games for the whole family, interactive college booths, photo booths, caricature artists, live music from KUCR, inflatables and more!

*www.spiritofthetribes5k.com*  
**Ninth Annual Spirit of the Tribes 5K run/walk**

Hosted by the Native American Student Programs office, the event honors the Native American spirit and culture with a morning of fun and exercise at the Rivera Lawn that begins at 7:30 a.m. It's also a fundraising event for student scholarships.

*Homecoming.ucr.edu*  
**Hike to the "C"**

Join one of two very challenging, guided hikes up to UCR's famous symbol. It's a great way to "C" the campus from a different perspective. The hikes start at 9 a.m. and 12:15 p.m. and last about two hours.

*Homecoming.ucr.edu*  
**Cooking Demonstration with UCR Chefs**

Citrus Grove Catering presents top UCR chefs demonstrating their culinary magic featuring UCR's citrus heritage, 12:15 p.m. at the Alumni & Visitors Center.

*Homecoming.ucr.edu*  
**Celebration of Champions**

Honor former UC Riverside basketball and volleyball players, coaches and administrators who were members of UCR's NCAA, WNIT or AIAW Tournament teams. The event, to be held 2 p.m. at the practice gym, costs \$15. The ticket includes the pregame reception, parking, a Homecoming game ticket, a student-athlete gift and recognition on the court at halftime.

# Helping Solve Challenges at UCR



At UC Riverside, we strongly believe in living our mission of teaching, research and public service for our region, the state and the world.

One way we do this is by bringing world-class research to bear on some of the most vexing challenges of our time.

The historic drought affecting California and other Western states would surely be near the top of any such list. More than half of our state has recently been

**“We can – and must – help steward this irreplaceable resource for generations to come.”**

classified as experiencing “exceptional” drought conditions, the most severe of five federal drought categories. The rest of the state is nearly as dry.

As detailed in this edition’s intriguing cover story, UC Riverside scholars are studying multiple aspects of the issue, from rethinking salinity guidelines for agriculture to coming up with new ways to persuade balky consumers to cut their water usage.

Other UCR experts are focusing on innovative approaches to fire and water management, while still others are examining the possibility of treating plants with a synthetic hormone to help them retain water during extreme conditions.

These biologists, engineers, economists and others are doing truly significant work related to California’s water crisis. But the campus itself is also taking action.

At UCR, we take seriously our own obligation to conserve this precious resource. Along with our sister UC campuses, UCR has responded to a call by UC President Janet Napolitano to reduce the amount of potable water we use by 20 percent by the year 2020.

We have implemented a water action plan, and already have cut the amount of water used in irrigation on the campus by 15 percent, or 18 million gallons.

In coming months, our beautiful Botanic Gardens will also be switched from potable to nonpotable water for irrigation, for an expected savings of 22 million gallons of drinking water each year.

Other water-conserving measures involve using drought-resistant landscaping at selected sites and stepped-up efforts to find and fix leaks wherever they occur on campus.

Plans are also afoot to spread awareness of the need for water conservation with outreach campaigns and presentations throughout the academic year.

Bottom line, we can — and must — help steward this irreplaceable resource for generations to come.

At UCR, we’re in it for the long haul. Universities last for centuries, and so does our responsibility — our promise — to help solve the very real challenges of our community and our state.

Fiat lux,

A handwritten signature in black ink, appearing to read "Kim A. Wilcox". The signature is fluid and cursive, written over a white background.

Kim A. Wilcox  
Chancellor



## Meet Provost and Executive Vice Chancellor Paul D'Anieri

Paul J. D'Anieri, former dean of the College of Liberal Arts and Sciences at the University of Florida, was named provost and executive vice chancellor of UCR on June 10.

"D'Anieri is a seasoned academic administrator, an authoritative scholar and an inspiring leader who deeply understands the University of California's mission of providing excellence in research, teaching and public service," said Chancellor Kim Wilcox.

A Fulbright scholar and author of the textbook "International Politics: Power and Purpose in Global Affairs," D'Anieri started at UCR in July, after the retirement of Dallas Rabenstein.

D'Anieri serves as the chief academic and operating officer for the campus. His research expertise relates to the history and politics of Eastern Europe, including Ukraine.

## STEM Grant to Improve Student Retention

Sixty percent of U.S. students intending to major in science, technology, engineering or mathematics (STEM) fail to earn a STEM degree. And only 20 percent of students from underrepresented ethnic groups persist in STEM studies.

To help this higher education crisis, the Howard Hughes Medical Institute (HHMI) gave UCR a five-year grant totaling \$2.4 million to fund a project aimed at addressing the challenges to STEM success faced by students — particularly, UCR students from underrepresented minority groups.

The project is titled "Sustaining Academic Leadership for STEM Achievement" (HHMI-SALSA) and will provide lower-division science students with early research immersion as well as career exploration and mentoring, using an already successful first-year "learning community" program at UCR as the feeder pipeline. Students who are retained through the lower division will be handed off into upper division research, internship and career opportunities.



## Cleaning the Air with Roof Tiles

Students from the Bourns College of Engineering developed a titanium dioxide roof tile coating that removes up to 97 percent of smog-causing nitrogen oxides. When applied to an average-sized residential roof, the coating breaks down the same amount of nitrogen oxides per year as a car driven 11,000 miles.

They calculated that 21 tons of nitrogen oxides would be eliminated daily if 1 million roofs were coated with their titanium dioxide mixture. They also calculated that it would cost only around \$5 to coat an average-sized residential roof.



A UCR student team worked on the project last year and received \$15,000 as a phase one winner of the Environmental Protection Agency's "People, Prosperity and Planet" competition. That team consisted of William Lichtenberg, Duc Nguyen, Calvin Cao, Vincent Chen and Carlos Espinoza.

In May 2014, the current UCR student team — Espinoza, Louis

Lancaster, Chun-Yu "Jimmy" Liang, Kelly McCoy, Jessica Moncayo and Edwin Rodriguez — received an honorable mention award for phase two of the Environmental Protection Agency student design competition.

Both teams were advised by David Cocker, professor of chemical and environmental engineering, and Kawai Tam, a lecturer at the Bourns College of Engineering.

## Troy Percival New Head Coach for Baseball

Former Highlanders standout and 14-year major leaguer Troy Percival was named the head baseball coach in July, UCR's fifth in six decades of NCAA competition.

"As we went through the hiring process for this position, it became clear that we had a special candidate in Troy Percival," said Jim Wooldridge, athletics director. "First and foremost, a coach is a teacher and a leader, and Troy's former coaches and teammates from both his collegiate and professional playing days all spoke very highly of him in that regard.

"Troy is also a winner who has seen just about everything one can as a baseball player at every level of competition. When he speaks to his team, his players know that he speaks from



experience.

"And lastly, Troy is Riverside. He has lifelong ties to the university, to the community and to the region, and that is of particular importance as it relates to recruiting and generating interest and excitement around our baseball program here in the Inland Empire.

"All of this combines to make Troy the perfect coach to lead UC Riverside Baseball back to the top of the Big West Conference and to the NCAA Tournament."

Percival was a catcher during his three years with the Highlanders, and was drafted after his junior year by the then-California Angels in the sixth round of the 1990 Amateur Draft.

Known for his strong arm more than his bat, he was converted to a pitcher in the minors in 1991 and flourished,

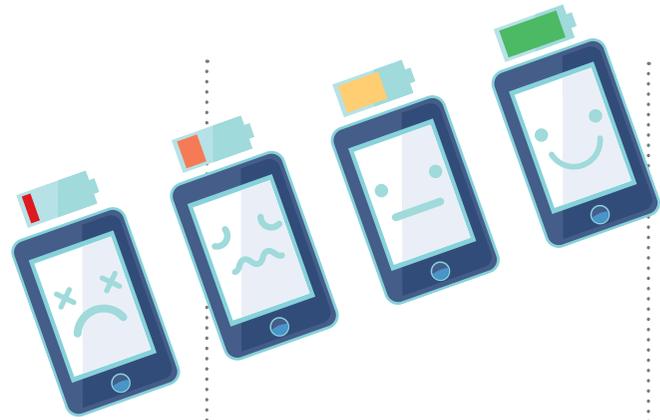
earning the call to the big leagues in 1995. He finished fourth in the American League Rookie of the Year vote that season, posting a 3-2 record with three saves, a 1.95 ERA and 94 strikeouts in 74 innings.

In 1996 he recorded 36 saves and earned his first of four All-Star nods. In 1998 he notched 42 saves, the second most in Angels' history at the time. When he retired in 2009, Percival had 358 saves, ninth on Major League Baseball's all-time career list. He had 30 or more saves in a season eight times.

In 2002, Percival was on the mound as the Angels won their first World Series, defeating the San Francisco Giants.



**Reconnect at reunions, bring your family and meet new friends at Homecoming on Nov. 15!**



## Charging Portable Electronics in 10 Minutes

Researchers at the Bourns College of Engineering have developed a new architecture for lithium ion battery anodes that far outperforms the current graphite-based structure.

In a paper recently published in the journal *SMALL*, the researchers created a cone-shaped, carbon-nanotube cluster architecture for lithium ion battery anodes that could enable charging of portable electronics in 10 minutes, instead of hours. The batteries based on this architecture demonstrated excellent electrochemical stability and consistent performance.

Wei Wang, who was advised by Cengiz S. Ozkan, professor of mechanical engineering, and Mihrimah Ozkan, professor of electrical engineering, are co-authors of the paper. Other co-authors are Isaac Ruiz, Kazi Ahmed, Hamed Bay and Aaron George, who are all graduate students, and Johnny Wang, an undergraduate student.

## Pulitzer Prize-winning Author to Teach at UCR

Pulitzer Prize-winning writer Jane Smiley, author of the best-selling “A Thousand Acres,” accepted a faculty appointment at UCR as distinguished professor of creative writing.

“Jane Smiley is without question one of our greatest storytellers,” said Andrew Winer, chair of the Department of Creative Writing. “She wants to share what she knows about literature and how to write it, and our students are going to benefit from that same wonderful combination of intelligence, curiosity and wit that pervades her fiction. This generous spirit of hers, when combined with her widely celebrated career, her award-winning books and her distinguished teaching record, makes her a perfect fit for us and for UCR.”

Smiley said she looks forward to teaching at UCR.

“I am thrilled to get the chance to work with UCR students both as readers and as writers,” she said. “The Riverside program is unique both in its structure and its demographics. ... I didn’t expect to go back to teaching, but I could not resist when I saw what is happening in the creative writing program at UC Riverside.”



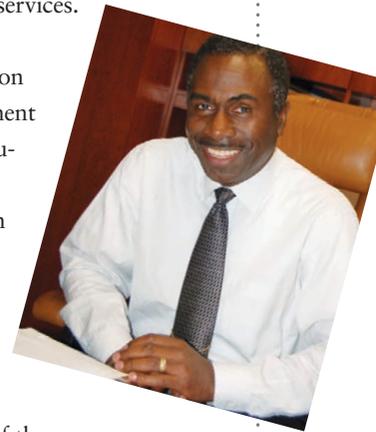
## UC Berkeley Administrator Moves to UC Riverside

Ron T. Coley, former associate vice chancellor at UC Berkeley, is UCR’s new vice chancellor for business and administrative services.

“Ron brings experience, vision and a commitment to UCR’s institutional values,” Chancellor Kim Wilcox said. “I believe he will make an enormous contribution to the success of the campus and I look forward to working with him in achieving our goals.”

Coley will oversee a budget of \$89 million and about 600 employees working in a wide variety of important campus business and support services, including financial accountability, architects and engineers, human resources, payroll, police, environmental health and safety, physical plant and others.

Coley said he is looking forward to contributing to UCR’s excellence. “It is my objective to focus on staff development in a way that will result in the creation of an atmosphere where teamwork is the norm and efficient and effective support of the academic mission and chancellor’s priorities is the operative campus expectation.”

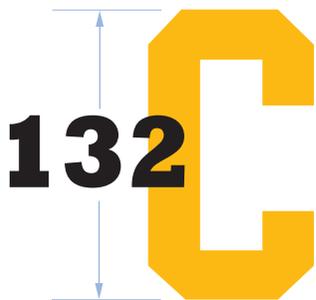


# UCR NUMBERS

BY THE



**2** UCR's ranking among national universities, according to Washington Monthly magazine 10th annual College Ranking Survey. It considers civic engagement, research and social mobility.



**132**

The number of students from the Class of 2014 that graduated summa cum laude.

**48**

The length (in feet) of the giant "C" landmark overlooking the campus on the Box Springs Mountains.

The weight in tons of the iconic UCR bell tower.



**15**



**800**

The number of beds that the new Glen Mor 2 Residence Hall holds. The facility opened in September for the 2014-2015 school year. It includes a swimming pool, parking center, fitness center, academic resource center, computer lab and a dining emporium.

The square footage of the new Student Recreation Center expansion. It includes an outdoor pool and aquatics facilities, a multiple-use athletics court, an indoor jogging track, a climbing wall and weight room and cardio fitness facilities.

**75,000**



**250**

The number of additional vehicles that the new daytime overflow parking lot across from Lot 30 can accommodate. The lot will only be opened during peak parking periods and when other lots are full and additional parking is needed.

The number of medical schools that accepted UCR student and former foster child Festus Ohan. He graduated with the Class of 2014 with a bachelor's in neuroscience and will attend UCLA with a fellowship that will cover all of his expenses. Read the whole story on [ucrtoday.ucr.edu/22790](http://ucrtoday.ucr.edu/22790).

**9**



**2**

UCR's ranking among universities in California for the number of National Science Foundation CAREER awards received in 2013-2014.

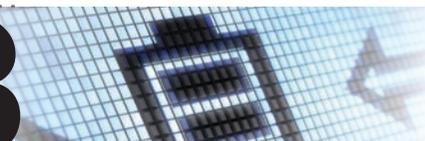
**5**

The number of consecutive years that the UCR Women's Tennis Team received an NCAA Public Recognition Award for its Academic Progress Rate.



The number of environmentally friendly solar charging stations that double as canopied, café-style tables found on UCR's campus.

**13**



# A WATER-SHED MOMENT

California's historic drought reveals the all-important ways that UCR can help the state – and the rest of the world – manage its water. *By Michelle Woo*

**"WATER COPS"** patrol neighborhoods to catch people hosing down their driveways or ignoring leaky sprinklers. Homeowners are spray painting their parched lawns green. Restaurants won't serve water unless a customer asks for it. Marinas and boat ramps are shutting down for the season. Ranchers are selling off cattle they can't feed. Wells are collapsing, food prices are rising, and in some areas where groundwater is being sucked dry, the earth is literally sinking.

California is facing what some experts say is the worst drought since record-keeping began in the late 1800s. According to a report commissioned by the California Department of Food and Agriculture, an estimated \$2.2 billion in damages, along with more than 17,000 farm-related jobs, will be lost this year. Five percent of cropland will go out of production in the Central Valley, Central Coast and Southern California, the study also found. With the state reigning as the largest agricultural producer in the U.S., the drought will have ripple effects across the country and possibly the world.

And there's no end in sight.



Earlier this year, Gov. Jerry Brown declared a drought emergency and, in his 2014 State of the State address, charged all Californians to take action.

*“Among all our uncertainties, weather is one of the most basic. We can’t control it. We can only live with it, and now we have to live with a very serious drought of uncertain duration. ... We need everyone in every part of the state to conserve water. ... Water recycling, expanded storage and serious groundwater management must all be part of the mix. ... It is a tall order. But it is what we must do to get through this drought and prepare for the next.”*

While the outlook remains grim, the good news is that the extraordinary amount of water we waste, everywhere from farming to bathing, means there’s room for real conservation. Riverside is the hub of the Southern California metropolitan water district system, and UCR has been instrumental in connecting science and policy to address challenges in water scarcity and quality. University experts are delving into every level of water management, bringing forth insight from an array of disciplines — engineering, economics, biology, agricultural operations, earth sciences and public policy. They understand that if we’re going to emerge from the drought, it will take more than simply tightening our belts, temporarily, until the emergency is declared over. It will require a push for fundamental changes in practices and the cultivation of a new generation of scholars to help policymakers decide how we use and save this precious resource.

Here are six bold solutions to managing the drought from UCR experts.

**The Problem:**

Consumers are disconnected from water scarcity due to a one-price-fits-all billing system.

**The Solution:**

Adopt a smarter tiered pricing structure. Households pay more per unit when their water consumption exceeds an “efficient” level of use.



In California, we often price water the way we price most other goods — each unit costs the same no matter who you are, where you live, how much you buy or when you buy it. This may work with golf balls or cans of soup, but it doesn’t make sense when we’re talking about a depleting resource. “Uniform pricing doesn’t send an adequate signal to the consumer that water is scarce,” says Kenneth Baerenklau, an associate professor of environmental economics policy.

Baerenklau and his team were the first to study the water conservation potential of “allocation-based water pricing,” or, simply, water budgets. The strategy alerts residents of the deficit in a place where they’ll surely notice: their water bill.

Under this innovative cost structure, a city’s water utility assigns each household an amount of water, or “block,” that should cover residents’ essential uses, such as cooking, cleaning and bathing. The block size can vary among households and change based on conditions — factors such as the number of residents, irrigated area and evapotranspiration requirements can all be calculated into the amount. In the most basic blocks, water is priced fairly low. Use more water, and you’ll climb into a higher block, where water use is considered “excessive” and the price per unit increases substantially. Reach

the top block and you're now in the "wasteful" zone, where the price per unit skyrockets.

The goal is to motivate consumers to reassess their old water-use habits and develop new ones, while also creating a fairer system. When demand for water is high, and especially during periods of drought, water districts must find additional supply sources and the expense is passed on to all customers, even those who use little water.

Right now, only an extremely small fraction of water utilities in California use water budgets. But the ones that do are seeing results. The Irvine Ranch Water District, one of the earliest adopters of the conservation strategy, reports that in the 13 years after the introduction of water budgets, average per-acre outdoor water use declined by 61 percent. Baerenklau wanted to analyze the pricing tool more extensively, so he followed the monthly water use records of 12,000 single-family households from the Eastern Municipal Water District of Southern California, which covers a diverse region of Riverside County. The district switched from uniform-rate pricing to water budgets in 2009. About three years after its implementation, water demand was 15 percent below where it would have been

under the old pricing structure. With water budgets, those who waste water will be hit the hardest. "Maybe they're leaving the hose running while washing their car or watering their lawn during the day," Baerenklau says. "They can get down into the first two blocks just by paying a little more attention."

### **The Problem:**

The drought has brought on the fire season earlier than usual, leaving more opportunity for extreme fires in areas that haven't burned in a while.

### **The Solution:**

Reduce fire suppression and accept natural burning.

"The drought could make this the worst fire season ever in California," reads a typical news headline about the state's exceptionally dry conditions.

But this may not be the case, says Richard Minnich, a professor of earth sciences and fire ecology expert. The two natural hazards are connected, he says, though not in the way that many assume.

Yes, the drought has turned the state into a tinderbox on the verge

of igniting. "Fire season" began earlier than usual this year as plants quickly used up the water in the soil — or what little of it was available — then dried down to a flammable state. Yet according to Minnich, it's not simply ignitions we should be worried about. "With avalanches, you don't count every snowflake," Minnich says. "You worry about the weight of the snow. With wildfires, it's not about the little spark. What drives fires is decades of growth."

In predicting fire catastrophes, Minnich says it's crucial to note how long it's been since the last time the area last experienced a fire. Young vegetation is very difficult to burn, even during a drought. Therefore, fire hazard is very low in grassy areas of Riverside and San Bernardino counties and the Los Angeles Basin, and the danger is "virtually zero in the desert," he says. But Minnich warns that dense, old-growth forests are filled with dangerous levels of fuel energy. He advocates for more controlled burns, and policies that allow more natural fires to burn.



**"With wildfires, it's not about the little spark. What drives fires is decades of growth." – Richard Minnich**



Minnich believes that the massive wind-driven fires of the past few decades are the result of fire suppression, which is driven by policymakers. In other words, we cause fire disasters by stopping the natural cycle of fire. Before we intervened, fires were a natural part of the California ecosystem, says Minnich, who is working on a book that examines the patterns of fire and how they've changed over time since 1860. "In the 1800s, fires burned slowly and over long periods of time — many individual fires would persist for months," he says. "Fires have become larger and more severe with time."

Minnich proposes using more livestock to clear out the combustible underbrush. Even bolder, he's pushing for more burning in California to reduce fuel buildup and increase water yield for our reservoir and aqueduct system. "In Southern California since 2002, we have burned 3 million acres of chaparral and forest. Three million. That's a huge number. We are seeing outbreaks of fire that are unprecedented historically because of the management. Suppression is not stopping the process — it never will. When do we declare the policy a failure?"

### **The Problem:**

The drought is forcing California to reuse water for agriculture, but our country doesn't have the right tools or policies in place.

### **The Solution:**

Adopt strategies from Israel, a worldwide leader in reclaimed or recycled water.

In the Negev, an expansive region of southern Israel, farmers tend to a colorful harvest of tomatoes, eggplant, peppers, dates, zucchini, grapes, melons and avocados, all ripening in the sun.

If it wasn't for hot, dry air torching your skin, you'd almost forget that this is a desert, once thought to be uninhabitable.

When it comes to agriculture in Israel, nature isn't



on its side. The land is plagued with poor soil conditions, a harsh climate, rugged terrain and chronic water shortages from drought and disputes with neighboring countries over water rights. And yet this desert blooms. What is Israel doing right? And how can the arid landscapes of California follow?

Sharon Walker, a professor of chemical and environmental engineering at the Bourns College of Engineering, went to the country to find out. About five years ago, she spent 10 months in Sde Boker on a Fulbright scholarship at the Zuckerberg Institute for Water Research of the Jacob Blaustein Institutes for Desert Research, a satellite research campus of Ben-Gurion University of the Negev.



**Sharon Walker**

"When you are an arid, tiny country — approximately the size of New Jersey — you must be deliberate in your water management and consumption," says Walker, a world expert on why bacteria stick to certain surfaces, a crucial issue when it comes to treating water by removing those particles. "Water conservation and reuse is an ingrained part of their culture."

The country goes to heroic lengths to use resources sparingly. According to the Global Water Fund, over 80 percent of all municipal sewage is reclaimed in Israel, far more than that of any other country. (The United States, by comparison, recycles 2 to 3 percent of its municipal waste.) It's estimated that treated wastewater will cover 50 percent of Israel's agricultural needs by 2020.

For many years, Walker says, Israel has been practicing “desert agriculture” techniques, many of which were learned from the Nabateans, an ancient people that ruled the region for a few hundred years beginning before 300 B.C. They collected and conserved rainwater, which allowed them to establish and run thriving spice trade routes across the Middle East.

More recently, Israeli scientists have been able to genetically engineer crops with salty “brackish” water from large aquifers beneath the Negev — a technological and biological breakthrough. Brackish water agriculture has achieved record strides and enabled Israel to export 50 percent of its produce.

With a U.S. Department of Agriculture grant, Walker created an exchange program for UCR and Israeli graduate students and faculty so they can kick-start and collaborate on projects that will last for years. She also established a curriculum exchange with the Israeli professors to share course materials.

In the U.S., agriculture accounts for about 80 percent of the nation’s consumptive water use. And yet in a USDA report, the U.S. ranked last among 147 countries in water efficiency. Walker says we need to turn those numbers around. “[Israel’s] re-use strategy is one that California must adopt at a large scale — for agriculture and other potable applications — if we are to not only survive the drought, but to flourish in a climate-change-plagued future,” she says.



### The Problem:

The snowpack in the Sierra Nevada is melting earlier than it used to, reducing summer runoff and the amount of agricultural water available downstream.

### The Solution:

Reduce particulate pollution.

A critical source of California’s water supply is snowmelt from the Sierra Nevada mountains. The process is wonderfully predictable — snow accumulates from November through March or April and then melts from April through June or July, just in time for farmers to use the spring runoff to grow crops. But there has been a general trend toward an earlier snowmelt, which can mean longer dry seasons and reduced water resources for agriculture in the summer. Dams aren’t big enough to hold so much water at once, so they flood. It also allows water to evaporate into the atmosphere before it’s captured, and exposes vegetation sooner, so plants lose water through the transpiration of vapor.

Most scientists blame the phenomenon on global warming, but James Sickman, a professor of hydrology and the department chair of the Department of Environmental Sciences, has a different idea.

“Our long-term climate data from the Sierra Nevada shows that temperature increases have been most strong in the summer, but little warming has taken place in winter, so something other than temperature might be driving earlier snowmelt.

“White snow is highly reflective,” he says. “You have to wear sunglasses to look at it. Really clean, fresh snow is resistant to melting. In the early spring, solar energy is what melts the snow. When air pollution, including soot from diesel engines and power plants and dust from agricultural operations, falls on the snow’s surface, it becomes darker, reducing its ability to reflect sunlight and increasing the solar energy that it absorbs.”

The theory hasn’t yet widely caught on, but Sickman says the phenomenon is happening worldwide. A team led by a NASA scientist examined the impact of human-produced dust deposits on mountain snowpacks over the Upper Colorado River basin between 1915 and 2003. The amount of dust falling in the Rocky Mountains increased by 500 to 600 percent since the mid-to-late 1800s, the report

stated. An advanced hydrology model simulated the balance of water flowing into and out of the river basin under current dusty conditions, as well as previous conditions. What was revealed: An annual average of approximately 35 billion cubic feet of water is lost from transpiration and evaporation — enough water to supply Los Angeles for 18 months.

Sickman believes the effects of dust and soot particles on the Sierra Nevada mountains are more subtle, but he wants to investigate the theory further and is currently looking for funding. He says California must regulate particulate pollution more stringently. “One of the biggest sources of particulate matter is the truck fleets that move all the goods from the container ships,” he says. “And there are other particulate sources in agriculture and industry. With improved air quality, we should be able to counteract some of the impacts from global warming and maintain the snowpack a little longer.”

### **The Problem:**

Policymakers, scientists, water managers and residents all face different concerns and restraints, making it difficult to come up with clear conservation strategies.

### **The Solution:**

Foster collaboration and take a “portfolio approach” to water management.

Kurt Schwabe can talk about water all day. He may be meeting with a grape grower about irrigation strategies on one afternoon, and then interviewing a lawyer about water rights the next. He’s had conversations with agronomists, ecologists, economists, hydrologists, irrigation specialists, water managers and policymakers, all with the mission of turning science into solutions. It can be easy for water professionals — academics and those in public utilities departments — to work in a bubble. “Researchers are often interested in more methodological issues and are given the luxury of ignoring many of the real-world constraints imposed upon water managers,” says Schwabe, an associate professor



of environmental economics and policy. “For instance, economists may identify cost-effective solutions without considering political implications and issues of fairness, whereas water managers cannot.” Yet water managers often don’t have the time and resources to fully evaluate the consequences of their strategies. “This is where academic researchers, who understand the issues confronting water managers, can really step up to the plate and add value.”

Schwabe, and colleagues Ken Baerenklau and Ariel Dinar — all members of UCR’s School of Public Policy — have been charged with better understanding the day-to-day water challenges confronting the public. This summer, they helped organize the first urban water management workshop at UCR, which connected academics from a number of research institutions with water agency officials. In their discussions, they found that much of the effort to balance water supply and demand must be at the local level.

The UCR experts have talked to water managers about what works and what doesn’t, and helped them better analyze the results of conservation programs. They’ve developed a partnership with the Santa Ana Watershed Project Authority, which aims to create a sustainable Santa Ana River.

Managing the drought isn’t going to require just one solution from a single entity. Schwabe encourages individuals, agencies and the state to take a “portfolio approach” to water management, and to arm themselves with an array of options to reduce their vulnerability to water scarcity.

Within the agricultural sector, that would likely mean having access to multiple sources of water, whether it be surface water, groundwater or reused water. Groundwater, Schwabe stressed, often serves as a good buffer against drought. But unfortunately, many groundwater systems are poorly managed and suffering significant overdraft. So agencies and growers must seek out other options to add to their portfolios — groundwater banks, water markets, reuse of agricultural drainage water or treated municipal wastewater, and increased storage capacity. “The use of groundwater banks during the last

# at ucr EVERY DROP COUNTS

Director of Sustainability **John Cook** talks about water-saving measures on campus

significant drought in the early 1990s was estimated to reduce the impact of drought in the Central Valley region by nearly \$104 million,” Schwabe says. “Water markets, alternatively, have been estimated to reduce the economic impacts of drought to agriculture by over 30 percent in the United States and Australia.” He adds that most Southern California water agencies, and particularly the Metropolitan Water District, have been extremely proactive in increasing and diversifying their water portfolios since the drought in the early 1990s.



**Kurt Schwabe encourages individuals, agencies and the state to arm themselves with an array of options to reduce their vulnerability to water scarcity.**

Through collaboration, all those who manage water can have the tools necessary to implement clear, science-backed strategies. Schwabe and other UCR experts want to provide water agencies with information they believe is relevant to them. “But we also want — and need — to hear what they have to say,” he says.

*(A Watershed Moment, continued on p. 16)*

Last January, UC President Janet Napolitano made it a goal to reduce water use throughout the UC system by 20 percent by the year 2020. “The 2020 goal builds on the groundbreaking water-related research that takes place on our campuses every day,” she added. “These efforts are critical to addressing the formidable water, energy and climate challenges facing California, the nation and the world.”

As a response, here are five ways UCR has stepped up to contribute to the preservation of the state’s most precious resource.

**1 Drinking water is for drinking.** UCR has reduced the amount of water used in irrigation by 15 percent, or 18 million gallons. “Approximately 50 percent of our potable water use goes to landscaping irrigation,” said Director of Sustainability John Cook. “Almost none of the agricultural research lands use potable water.”

The campus is also switching the Botanical Gardens from potable water to nonpotable water for irrigation, with an estimated annual savings of 22 million gallons.

In addition, landscaping at newly constructed buildings such as the School of Medicine uses drought-tolerant plants.

**2 Stop the Drip!** Physical Plant is working to fix leaks in the chilled water system, providing an additional 300,000 gallons of savings.



**John Cook**

**3 Slow the Flow** Housing is retrofitting the showers and faucets with aerators in Glen Mor 1 with an expected water savings of 1.2 million gallons.

**4 Toilet Audit** The Office of Sustainability; Physical Plant; and Housing, Dining & Residential Services have been auditing restrooms across campus looking for leaks, missing aerators and inefficient toilets. “If funding is available from an outside source we would replace the toilets,” Cook said. Housing was able to replace over 200 toilets at the Oban Apartments through a full cost rebate program.

**5 Raising Awareness** Water conservation will be promoted throughout the academic year with outreach campaigns at the nooners, the Green Labs and Green office certification programs. At nooners, information will be disseminated through games and presentations.



Laosheng Wu



Christopher Amrhein

**“In the context of drought, every drop of water saving is meaningful.”  
– Laosheng Wu**



John Letey



James Oster

**The Problem:**

Current guidelines overestimate the amount of water needed to maintain necessary salinity levels for healthy crops.

**The Solution:**

Propose new guidelines.

When it comes to agriculture, salinity is a sensitive issue. If various salts in irrigation water — chloride, sulfate, bicarbonate, sodium, calcium and magnesium — build up in the root zone, plant growth and yields can be affected. In the worst cases, the soil can become too saline to use at all.

“Leaching requirement” (LR) guidelines were published several decades ago to help growers manage salt buildup in crop fields. They specify how much extra water should be applied to maintain maximum health and growth. But it turns out the guidelines may be off. UCR’s Laosheng Wu, Christopher Amrhein, John Letey and James Oster were part of a workgroup appointed by the then-UC Center for Water Resources that revisited the values and found that they were too high — a promising discovery in addressing the drought.

In an *Agricultural Water Management* article, the workgroup explained the problem: “Mathematically, a steady-state flow analysis does not include a time variable. ... Steady-state specifies that applied irrigation water is continuously flowing downwards at a constant rate, irrespective of irrigation frequency ... that evapotranspi-

ration is constant over the growing season. Consequently, steady-state solutions assume that the salt concentration of the soil solution at any point in the soil profile is constant at all times. None of these is real.”



The bottom line is that growers may be able to get by with less water. With lower leaching fraction, as the workgroup shared with *California Agriculture*, groundwater might be more easily protected from pesticides and nitrates carried in drainage water. And if water with elevated salinity levels can be used for irrigation, more water might be available for other uses.

“In the context of drought, every drop of water saving is meaningful,” Wu says. 💧

500



The amount per day that water-wasters may be fined under an emergency state rule.

100

Percent of the state facing dry to severe drought conditions.

196

Gallons of water per day that Californians use on average (though use varies across the state).

17



Rural communities that were within 100 days of running out of drinking water, given current patterns of water supply and demand.

80



Percent of the state's developed water supply used for agriculture.

58

Percent of California considered to be experiencing an "exceptional" drought —the harshest on a five-level scale.

2.2 BILLION

Total statewide economic cost of the 2014 drought.

17,000

Agricultural workers expected to be out of a job this year.



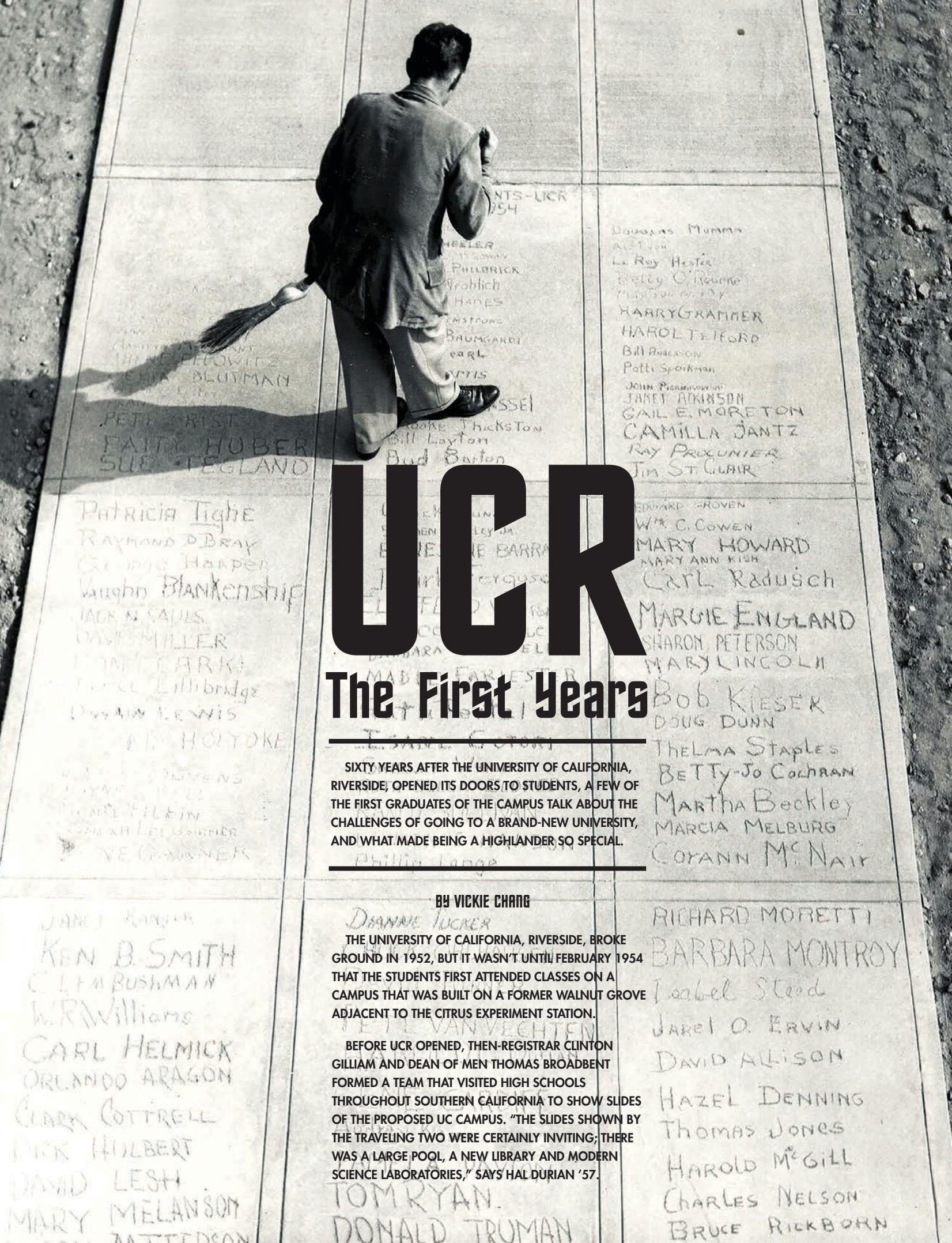
428,000

Acres of irrigated cropland to go out of production in the Central Valley, Central Coast and Southern California.

60 MILLION

Californians expected by 2050. That's more people, farms and businesses who will rely on our rivers, reservoirs and groundwater basins for their daily needs.





NTS-UCK  
1954

HEELER  
1954  
PULLBRICK  
Wahllich  
HINES  
INSTONS  
BAUMGARDI  
earl  
1975

DOUGLAS MUMFORD  
AL TUCK  
Le Roy Hester  
Betty O'Keefe  
Mason 1957

HARRY GRAMMER  
HAROLD TELFORD  
Bill Anderson  
Patti Sporkman  
JOHN PIERACOVINI  
JANET ATKINSON  
GAIL E. MORETON  
CAMILLA JANTZ  
Ray PROULNIER  
Jim ST. CLAIR

PETE RIST  
FAITH HUBER  
SUE TEGLAND

THICKSTON  
Bill Layton  
Bud Barton

# UCR

## The First Years

SIXTY YEARS AFTER THE UNIVERSITY OF CALIFORNIA, RIVERSIDE, OPENED ITS DOORS TO STUDENTS, A FEW OF THE FIRST GRADUATES OF THE CAMPUS TALK ABOUT THE CHALLENGES OF GOING TO A BRAND-NEW UNIVERSITY, AND WHAT MADE BEING A HIGHLANDER SO SPECIAL.

BY VICKIE CHANG

THE UNIVERSITY OF CALIFORNIA, RIVERSIDE, BROKE GROUND IN 1952, BUT IT WASN'T UNTIL FEBRUARY 1954 THAT THE STUDENTS FIRST ATTENDED CLASSES ON A CAMPUS THAT WAS BUILT ON A FORMER WALNUT GROVE ADJACENT TO THE CITRUS EXPERIMENT STATION.

BEFORE UCR OPENED, THEN-REGISTRAR CLINTON GILLIAM AND DEAN OF MEN THOMAS BROADBENT FORMED A TEAM THAT VISITED HIGH SCHOOLS THROUGHOUT SOUTHERN CALIFORNIA TO SHOW SLIDES OF THE PROPOSED UC CAMPUS. "THE SLIDES SHOWN BY THE TRAVELING TWO WERE CERTAINLY INVITING; THERE WAS A LARGE POOL, A NEW LIBRARY AND MODERN SCIENCE LABORATORIES," SAYS HAL DURIAN '57.

Patricia Tighe  
Raymond D Bray  
George Harper  
Vaughn Blankenship  
JACK N. SALES  
DAVE MILLER  
DANN CLARK  
Lorel Lillibridge  
DWAYNE LEWIS  
W. HOTOKE  
LIVENS  
FLEIN  
LE SORNER  
NE GARNER

EDWARD GROVEN  
W. C. COWEN  
MARY HOWARD  
MARY ANN KISH  
CARL Radusch  
MARGIE ENGLAND  
SHARON PETERSON  
MARY LINCOLN  
BOB KIESER  
DOUG DUNN  
THELMA Staples  
BETTY-JO Cochran  
MARTHA Beckley  
MARCIA MELBURG  
COYANN McNAIR

JANET RAYNER  
KEN B. SMITH  
CLARA BUSHMAN  
W.F. Williams  
CARL HELMICK  
ORLANDO ARAGON  
CLARK COTTRELL  
MICK HILBERT  
DAVID LESH  
MARY MELANSON  
MATTEDSON

RICHARD MORETTI  
BARBARA MONTROY  
Isabel Stead  
JANEL O. ERVIN  
DAVID ALLISON  
HAZEL DENNING  
Thomas Jones  
HAROLD McGILL  
CHARLES NELSON  
BRUCE RICKBORN

TOM RYAN  
DONALD TRUMAN

**HERE, DURIAN AND OTHER MEMBERS OF THE PIONEER CLASS TALK ABOUT WHAT IT WAS LIKE TO BE THE FIRST STUDENTS AT UCR, AND WHY THE CAMPUS HAS MEANT SO MUCH TO THEM THROUGHOUT THE YEARS.**

## THE CHARTER CLASS

"There were 125 of us, and our class was at least 70 percent male. There was a good reason for that ratio. In the beginning UCR did not have any dormitories. Mothers were reluctant to send their daughters to a college where they would have to live in rented apartments.

"A large number of the first males to arrive at UCR were veterans of World War II and Korea. Some were married and lived in the Canyon Crest housing units, units that are still located north of the campus. Those cottages were built for World War II defense workers, and it is a tribute to UCR maintenance that they are still standing and looking good some 70 years after construction."

— HAL DURIAN '57

"I was at UCR before there were even sidewalks."

— E. DOLLIE TOTARO WOLVERTON '57

## THE CAMPUS

"The first semester there was no landscaping, and paths were made by placing sides of packing crates between the buildings. The crates kept students from wallowing in the mud.

"Also, parking then was a dream! One could drive up to any one of the campus buildings, park, and walk inside."

— HAL DURIAN '57

"Full four years didn't cost my parents more than \$1,000, I'd say!"

— ROBBIE DUNCANSON '60

## THE DRESS CODE

"It was not a very relaxed dress code back [in 1955]. In fact, there was a code against wearing Bermuda [shorts] to school. And, well, some young coeds came to me one day and said they wanted to know if I would help them put together a day that students could all in protest wear Bermudas."

"And so I told them, 'Oh, didn't you hear? Next Wednesday is Bermuda Day!'

"After word spread throughout campus like wildfire, I had to go out and buy some Bermudas! So I went and bought the loudest Bermudas I could, red and white diamond long socks, white buck shoes, and a red shirt with lightning bolts on it. It was a big crowd that wore them and they dropped the restriction a couple weeks after!"

— ED COWAN '58

## THE ACADEMICS

"There were almost as many professors as students in those early days of UCR. Classes were small, often tiny. I took one Spanish course with two students. Tom Frohlich and I were the entire class, and we met in Professor Terence Hansen's office."

— HAL DURIAN '57

"It was a unique opportunity to be a pioneer at UCR — everyone knew each other. The classes were small and academic standards were high. Students and professors shared sport and social events, and frequently ate lunch together at the Barn, our campus hangout. The faculty to student ratio was 2:1. Provost Gordon Watkins once remarked, 'Never have so few been taught by so many.'"

— E. DOLLIE TOTARO WOLVERTON '57

"The Physical Education Department had the traditional activity selection, but the veterans were excused from it. The feeling was that, through marching, the vets had endured enough physical activity. In addition, there was a

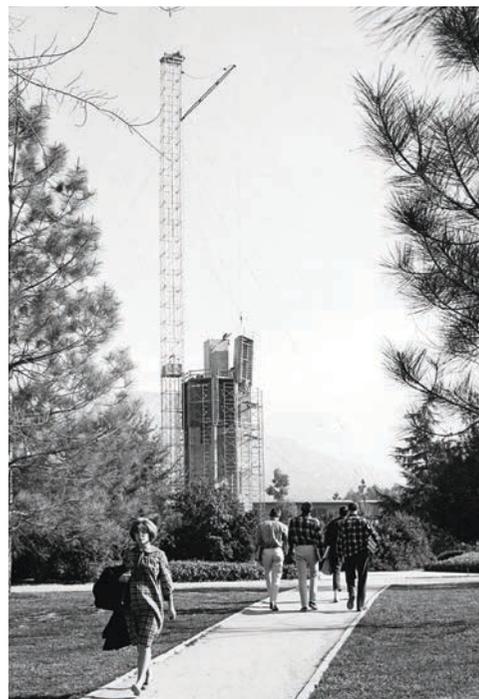
lecture course required called Sports Appreciation, which caused us to resent sports. We learned the rules of lacrosse and listened to one of the coaches recite the poem 'Casey at the Bat.' Several friends and I organized a letter-writing campaign to end the requirement. The Faculty Senate agreed with the student views, and the course was turned into an elective."

— HAL DURIAN '57

## SOCIAL LIFE AT UCR

"There were a lot of good times. And there were some students that were really diligent in the library — you could always find them in the library. And there were some students that if you wanted to find them, you could find them at the gym or playing pingpong."

— ED COWAN '58

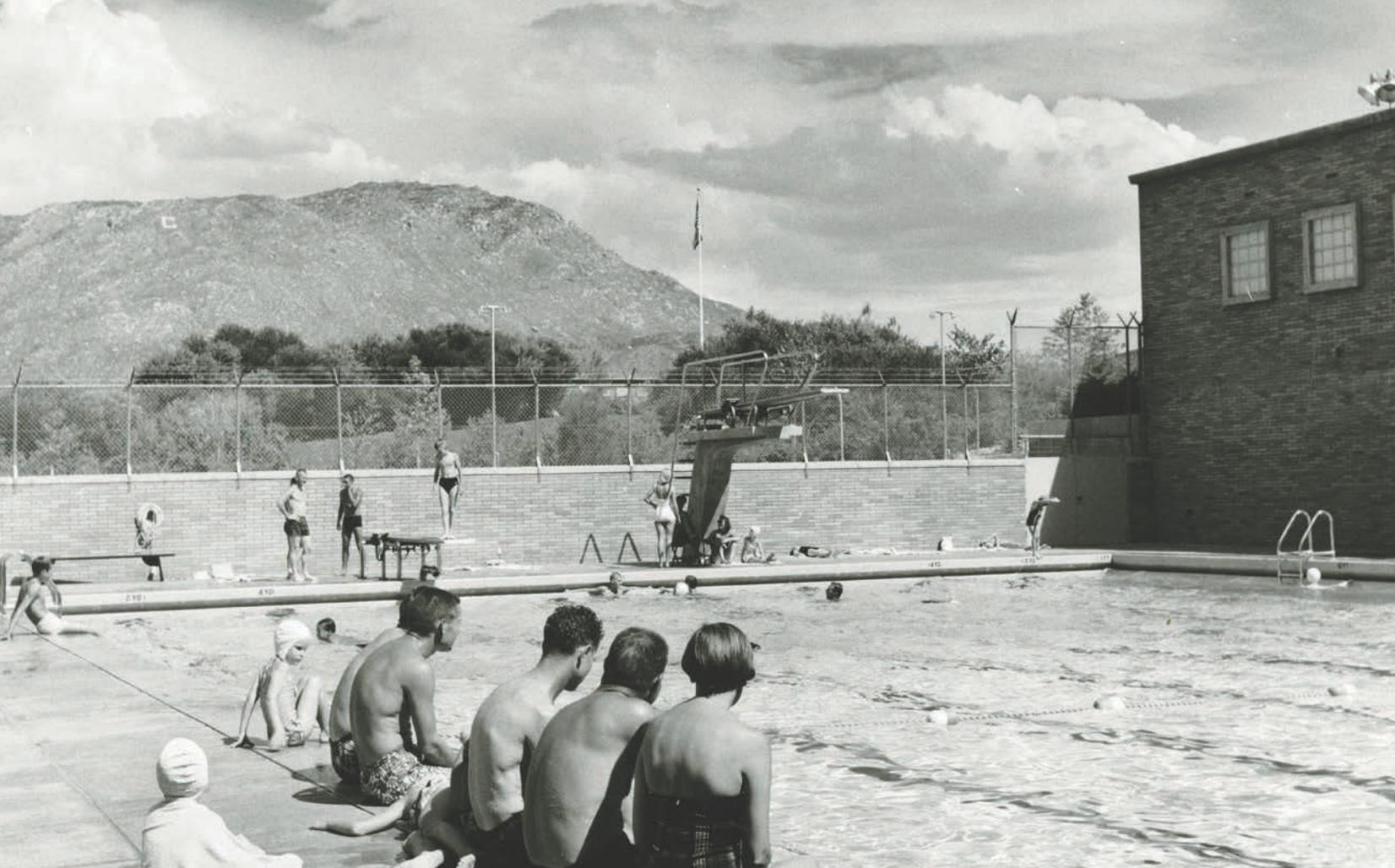


"For single males, the few UCR women offered slim social pickings. Expeditions were organized to the University of Redlands where there was an amazing (to us) abundance of women. One lonely veteran even advertised in the UCR Cub that he longed to meet an attractive secretary working in one of the many offices at UCR. Some thought he was joking!"

— HAL DURIAN '57

**Opposite page:** UCR's charter class wrote their names on wet cement when walkways were being built.

**This page:** The UCR bell tower under construction in 1966.



"There was a lot of energy on campus. I remember, though, someone coming up to me in 1956 and they had a petition they wanted me to sign — they were opposed to the apathy on campus. First, I asked, 'What does apathy mean?' Then I was like, 'You must be kidding!'"

"They never got that one off the ground."

— **ED COWAN '58**

"The Barn was the only place we could get a hamburger or a cup of coffee with a girlfriend. The Barn was the center of the social interaction."

— **BOB DUNCANSON '60**

"We were married at a Catholic church in Riverside in June of 1960, then we went to Watkins house — and it was strictly cake and punch, there was no alcohol allowed. Bob's mother made the decorations and I did the flowers. It was really a good memory! Watkins house was a big part of our social life because it's close to where the housing is."

— **ROBBIE DUNCANSON '60**

## FOR FIRST-GENERATION STUDENTS, EVEN THEN

"Most of the students were from nearby cities — San Bernardino, Hemet, Corona. Some lived in nearby rooms or apartments and many lived with our parents at home. I was in the latter group, and my parents were most eager that I attend and graduate from college. When I graduated, I was the first person from either side of my family to do so. In the 1950s even much more than today, the college diploma was considered to be the ticket to distinction and success. Most of my friends were in a similar situation: Short on cash but long on parental support."

"I worked at part-time jobs on campus and off. At one time, I had four such jobs at once. My first car was a Model A Ford coupe. I could not afford a new battery, so we started the car in the morning with cables from my dad's car. I drove it to UCR and parked on a hillside where the science

library is today. At the end of the school day I would roll down the hill and start the car by compression. This went on for months."

— **HAL DURIAN '57**

"As the first in my family to graduate from college, I am proud that first-generation students now comprise over half of the student body — and that UCR is recognized as one of the most ethnically and economically diverse universities in the country."

"I benefitted greatly as a UCR pioneer. In addition to getting a formal education, being part of such a small student body helped me to develop self-confidence and a sense of responsibility to others. I grew to understand that how I conducted myself and what I achieved was not only a reflection on me, but also a reflection on my family, friends and those who helped prepare me for life beyond an institution of higher learning."

— **E. DOLLIE TOTARO WOLVERTON '57**

## ABOUT THE ALUMNI



**E. Dollie Totaro** Wolverton was one of 62 Highlanders in UCR's graduating class of 1957, earning a degree in history, followed by a master's degree in school administration and curriculum development at Long Beach State. She has been a teacher and elementary school administrator, the Head Start director of Riverside County, and an early childhood specialist in the California Department of Education with Wilson Riles. The last 36 years of her career were in federal service in Washington, D.C., retiring in 2006 as chief of education, Head Start Bureau. She is the recipient of the 1992 Alumni Public Service Award, a member of the Watkins Society, a life member of the UCR Alumni Association and serves on the board of directors. She lives in Silver Spring, Maryland.



**Ed "Eddie" Cowan** is a current member of the (unofficially named) UCR Alumni Association Pioneer Reunion Committee. At UCR, he was a part of the golf team and the freshman basketball team, a member of the Order of the Golden Thistle (the awesomely named academic honors society) and even served as President of the Big C Society, an athletic letterman's club. Cowan even met his wife, Jeanie, during a food drive thrown by one of the earliest clubs that formed on campus, the Gaels, a service club. He is a retired dentist.



**Hal Durian** attended public schools in Riverside and graduated from Poly High School in 1953. After UCR, he received his M.A. in history from the University of Arizona. He taught history and government at

Chaffey High School for 41 years, and wrote a weekly column on local history for The Press-Enterprise from 2005 to 2012.



**Bob and Robbie (Hall) Duncanson** can credit UCR for their long-lasting marriage. Both graduated in 1960. Like all the other pre-med students, Bob was a zoology major who eventually went on to UCLA for medical school, and then served as a working pediatrician for the Air Force in upstate New York. Robbie, or Roberta, was a social sciences major who received her teaching credential from UC Riverside. She taught in Inglewood while Bob worked his way to becoming an M.D. Bob and Robbie have three sons. They are now retired and are focused on perfecting their golf swings.



Above: Students at the Rivera Library.

Opposite Page: The large swimming pool was a selling point for UCR in the early days.

# Author, Artist — and Accidental Academic

As a teenager, Tiffany López dreamed of managing a Burger King. Today, she is one of the most esteemed faculty members at UCR, holding the Tomás Rivera Endowed Chair.

BY LILLEDESHAN BOSE

**TIFFANY ANA LÓPEZ TRIES TO START EACH MORNING WITH THE RITUAL OF A CUP OF TEA IN HAND, WATCHING THE LIGHT SHIFT AROUND HER. "I THINK THAT MOMENT OF PAUSE ALLOWS ROOM TO LET IN ANY INSIGHTS THAT MIGHT EMERGE DURING THE DAY," SHE SAYS.**

These moments of reflection help López, a professor of theater, film and digital production, appreciate the twists and turns of her career — from even before she came to UCR in 1995 as the first faculty specialist in U.S. Latina/o literature. An acclaimed writer, scholar and educator, she was appointed the Tomás Rivera Endowed Chair in the College of Humanities, Arts & Social Sciences in 2012.

But her academic journey hasn't always been easy.

She left an abusive home at 15 and while working full time in fast food, began taking classes at a community college with the goal of becoming a Burger King franchise owner. She struggled to overcome various challenges as a first-generation college student; in fact, when she was advised to transfer to a Cal State to get her bachelor's degree, she said, "I thought only doctors and scientists had such advanced education. I didn't know I could continue my studies majoring in the humanities and arts." In this interview, she talks about her inspiring mentors and what drove her to succeed.



*“I credit literature, theater and visual art for saving my life.”*

# Q & A



## HOW DID YOU END UP PURSUING A DOCTORATE IN THE HUMANITIES AND BECOMING A WRITER?

I was fortunate to be educated during a time of programming devoted to fostering first-generation college students from underrepresented backgrounds through higher education. At CSU Sacramento, I had an incredible mentor, Professor Olivia Castellano. She was among the first Chicanas in her generation to complete a graduate degree and was a published poet. After several classes, she looked at me and said, “M’ija, I’m not going to live forever and need to know there will be another Chicana professor carrying forward this work.” I felt knighted and charged with a deep sense of purpose. I credit literature, theater and visual art for saving my life by showing me that the abusive and toxic story of my growing up years was just one story in my life and that there were other stories I could make for myself and share with others as my mentors had with me.

## HOW DID YOU END UP AT UC RIVERSIDE?

At the time I was hired, Raymond Orbach was chancellor, and he came to the job interview to support what he felt was a historic hire. He commented on how my journey mirrored that of so many UCR students he had met and affirmed this would position me as a strong role model. It was another moment where I felt charged with a special sense of responsibility about my career. When you are the first in your family or community to step through certain doors, you remain sensitive to the influences you might have. Diversity — of ideas, methods, people — is a central dynamic in my work because it fuels innovation by challenging perspective. It is one of the strengths that drew me to UCR.

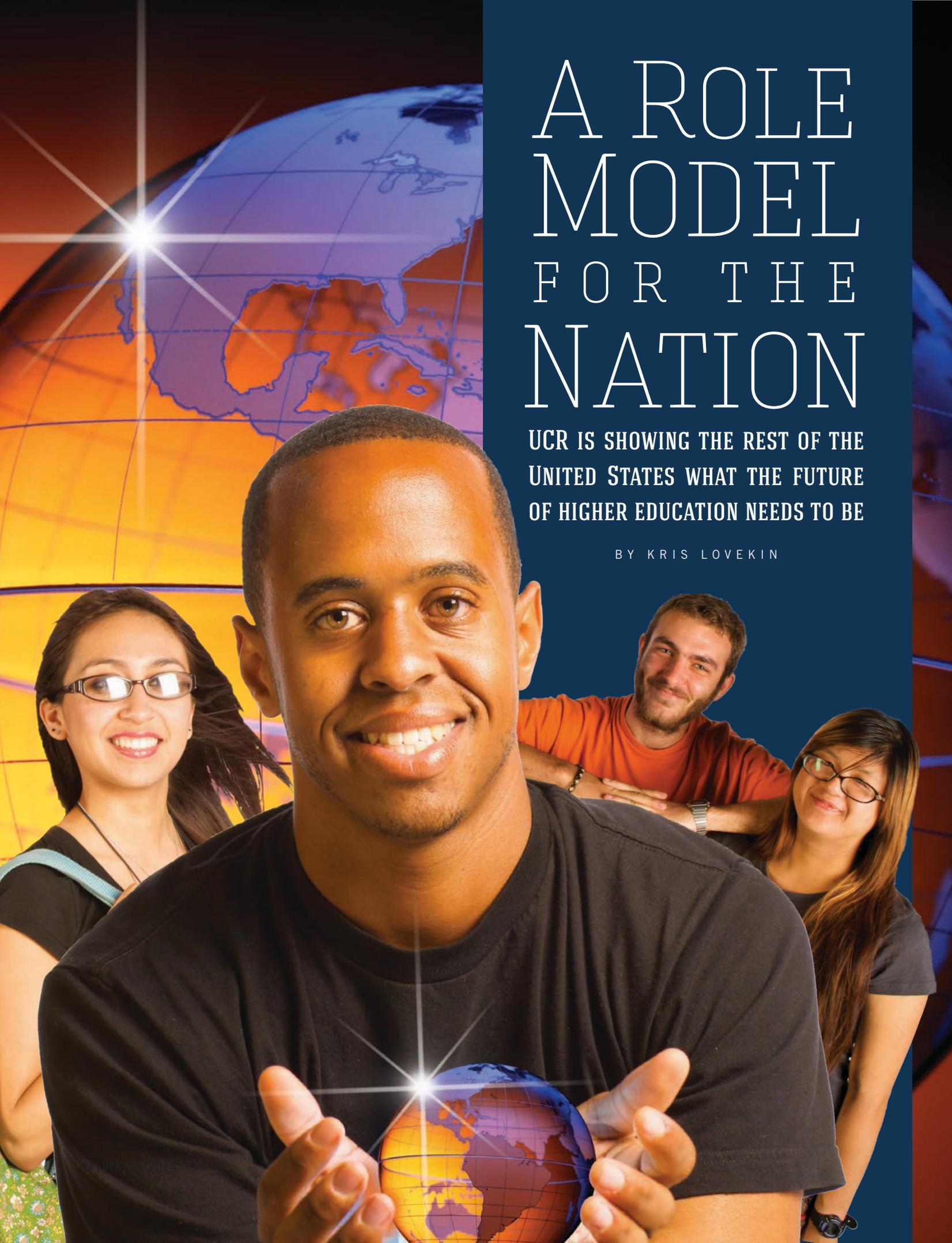
## HOW HAS THE TOMÁS RIVERA ENDOWED CHAIR, WHICH WAS CREATED TO HONOR THE LIFE AND LEGACY OF THE LATE UCR CHANCELLOR, HELPED YOU TO FURTHER YOUR RESEARCH AND CREATIVE PROJECTS?

Support from the endowment has enabled me to travel more extensively to visit archives and other institutional spaces, including conferences, to expand the groundwork for new creative and scholarly projects. I’ve been able to travel to spaces that don’t have adequate resources, bring to UCR leading voices in the field, organize special events, and host an annual conference that includes master class workshops. This has allowed me to forge new conversations in the field as well as evolve and complete projects while also serving as an ambassador of UCR and the Rivera legacy.

## WHAT DO YOU HOPE TO LEAVE AS YOUR LEGACY?

My life’s work has been devoted to thinking about issues of violence and trauma and how our personal experiences shape the work we pursue from our studies to our careers. Over the 20 years of my time at UCR, my teaching has focused on empowering students to gain a sense of clarity about why they hold the interests that they do. While it is not always easy, I share my story of fleeing a violent home and how that shaped my journey through higher education into my present work because I want people to see that the story of violence is not always personal devastation. I hope my legacy will have been to provide a model for how to talk about things that are difficult to navigate and might otherwise be left unspeakable. I also hope the work I have done in the humanities will influence the next generation of scholars, the questions they pursue and the methodology they employ.





# A ROLE MODEL FOR THE NATION

UCR IS SHOWING THE REST OF THE  
UNITED STATES WHAT THE FUTURE  
OF HIGHER EDUCATION NEEDS TO BE

BY KRIS LOVEKIN

It happened in quick succession.

In April, UCR Chancellor Kim Wilcox said during his investiture that he will add 300 faculty members in the next five years, that UCR will expand its physical size and reach, and that UCR will become more global.

Soon after, Time magazine created a model of federal standards for universities that shows UC Riverside is highly effective with its student population. In fact, it showed that when it comes to low-income and diverse students, the nation would be better off if there were 100 more campuses like UCR.

Then in May, three national thought leaders from around the nation came to campus to share their views on “The Future of the American Research University.”

The executive summary? We need more universities like UCR.

“UC Riverside is an unbelievable role model of what the future of higher education needs to achieve,” said Arizona State University President Michael Crow, who leads a state system of 76,000 students. He especially noted UC Riverside’s ability to graduate students equally across ethnicities. “It is humbling for the rest of us,” Crow said.

“We are at an evolutionary moment,” he said about public higher education. “Some organizations will begin to find ways to scale this kind of public service education to a new model of excellence and accessibility that operates in real time, not academic time. “[UCR is] already on this path and moving in this direction.”

University of Washington Vice Provost for Global Affairs Jeffrey Riedinger said to



**“UC RIVERSIDE IS AN UNBELIEVABLE ROLE MODEL OF**

**WHAT THE FUTURE OF HIGHER EDUCATION NEEDS TO ACHIEVE.”**

**- ARIZONA STATE UNIVERSITY PRESIDENT MICHAEL CROW**



**“UCR WILL CHALLENGE ITS DEANS, CHAIRS AND DIRECTORS TO ALIGN OPPORTUNITIES**

**FOR THEIR STUDENTS TO ENGAGE IN STUDY, RESEARCH, INTERNSHIPS AND EXPERIENTIAL LEARNING ABROAD AROUND THE STRATEGIC RESEARCH PARTNERSHIPS AND COMMUNITY PLATFORMS OF THEIR COLLEGES, DEPARTMENTS AND SCHOOLS.”**

**- UNIVERSITY OF WASHINGTON VICE PROVOST FOR GLOBAL AFFAIRS JEFFREY RIEDINGER**

become a global university, “UCR will challenge its deans, chairs and directors to align opportunities for their students to engage in study, research, internships and experiential learning abroad around the strategic research partnerships and community platforms of their colleges, departments and schools.”

If curriculum requirements are too rigid to permit students to study elsewhere, those requirements need to change, he said.

Distinguished Professor of Hispanic Studies David Herzberger noted the difference between many individual international projects and a global university. “To me, UCR is already wonderfully international, but in an island sort of way. Look at our website. We have at least 10 separate pages that begin with the word ‘international,’ so I think a lot of our colleagues are doing terrific work in international types of activities but we don’t feel like an international campus because we haven’t managed to integrate all of these activities.”

The final speaker was Peter McPherson, president of the Association of Public and Land-grant Universities, an influential agency in the higher education world.

“UC Riverside, by itself, serves more students eligible for Pell grants than the entire Ivy League put together,” said McPherson of the federal grants that go to

low-income students. He said he was impressed by UCR’s success in graduating students from all walks of life at the same rate. “I hope you know how unusual that is.”

Sharon Walker, an associate professor who holds the John Babbage Chair in Environmental Engineering in the Bourns College of Engineering, noted that adding 300 new ladder-rank faculty in the next five years will be heavy lifting and will require more staff support and more research and teaching space. She also said this is the campus’s chance to hire more diverse faculty.

McPherson shared an astonishing statistic, that 80 percent of the children of the richest families in America earn college degrees while only 10 percent of the children of the poorest families do. That inequity is a real problem for the nation, he said, and it is a problem being tackled by the large public research universities.

UCR is up to the challenge.

“UCR is increasingly seen as a model for



**“UC RIVERSIDE, BY ITSELF, SERVES MORE STUDENTS ELIGIBLE FOR PELL GRANTS**

**THAN THE ENTIRE IVY LEAGUE PUT TOGETHER.”**

**- PETER MCPHERSON, PRESIDENT OF THE ASSOCIATION OF PUBLIC AND LAND-GRANT UNIVERSITIES**

academic excellence and academic attainment in the 21st century,” Chancellor Wilcox said during his investiture. “And it happens at precisely the time when our country is struggling to identify new models for higher education that will assist us in achieving our national goals.”

How lucky is that?

Watch an interview with Chancellor Kim Wilcox [magazine.ucr.edu](http://magazine.ucr.edu)



# Supporting Scholars, Engaging Alumni

Dr. Daniel Kim, the new president of the UCR Alumni Association, talks about why it's important to give back

BY VICKIE CHANG

It's an understatement to say that Dr. Daniel Kim '89 is a pretty busy guy.

Between serving as the current president of the Board of Directors for the UC Riverside Alumni Association (he's also been involved with the program for over a decade) and practicing medicine at Riverside County Regional Medical Center, he is involved in a few other endeavors. He's the department chair for internal medicine at the Medical Center, a member of the UCR School of Medicine's admission committee, and the founding program director for the UCR School of Medicine's internal medicine program.

It's a long, impressive list, and Kim says it's well worth the time and frequent trips to and from campus.

"Being able to give back — whether it's through scholarships or volunteering — is

*"The bottom line is that it's fun to be able to give back to UCR students."*



the reason we need a strong Alumni Association. It's a good way to support the present and future students that are going to be there," Kim says.

In fact, his work at UCR now harkens back to his days as a student. "I enjoyed my time as a UCR student. But [as an alumnus I remember] how hard it was being a student sometimes," Kim says. Not only is keeping

the alumni engaged a good way to add value to a UCR degree, it also enhances the campus in so many ways.

"Really, though, the bottom line is that it's fun to be able to give back to students," Kim says.

As president of the Alumni Association, Kim wants to concentrate on encouraging alumni engagement.

"The other thing I want to really focus on — and they're kind of hand in hand — is raising money for scholarships for the students," Kim says. "One of the things I really learned from being part of the Alumni Association is how important scholarships are, and how supporting students really makes an impact on the kind of students we can get. It's just really great to be able to see the outcome of giving scholarships to students."

the University of California, Riverside  
 recognizes and honors  
 Thomas Haider & Mrs. Salma Haider  
 their abiding commitment to  
 the next generation of physicians  
 understanding of support

UNIVERSITY OF CALIFORNIA  
**RIVERSIDE** School of  
 Medicine



# Leading the Charge

Dr. Thomas Haider on why UC Riverside is his favorite beneficiary — and what he plans to do as chair of the UCR Foundation Board of Trustees

BY LILLEDESHAN BOSE

Dr. Thomas Haider has a long and impressive resume as a surgeon, an inventor, a teacher and a philanthropist.

Haider, the chief of the Spine Division at Riverside County Regional Medical Center, along with his wife, Salma, co-founded the Children's Spine Foundation, a charity focused on the treatment of spinal disorders for children without financial means. He has also funded hospitals in his native Afghanistan.

Luckily, UC Riverside is the recipient of some of his biggest gifts. After Haider developed and patented surgical instrumentation for use in spinal surgery, he donated the royalties from the Haider/UCR Pedicle Instrumentation to UCR to develop the School of Medicine, where he is also clinical faculty.

But when asked why he's decided to chair the UCR Foundation Board of Trustees in addition to everything he's already given the Highlander community, he declares, "I haven't done enough!"

Haider, who started his two-year service this past summer, says UCR is his favorite philanthropic entity. "Riverside is a very tightly knit community. People who are here want to support it; they have a sense of ownership, just like I do." The campus, he adds, is on a trajectory of big growth. "If you play a role in that, you will feel that sense of accomplishment. Everything that you do will make a big difference."

Making a difference, after all, is the reason Haider became a doctor. Growing up in Afghanistan — where medical care was hard to come by — led him to medical school in the United States. "My purpose in becoming a doctor was to serve the people," he said. As a community, Riverside is the perfect jump-off point for that. "There are a lot of people that need medical care and they are very appreciative." Aside from the children's spinal foundation, Haider and his team make medical trips to countries such as the Dominican Republic and Guadalajara. "There's just a joy you get from sharing your talents and helping

people in need. It's like a glue. You get glued more and more to the community when you have people in need."

It's the same glue that inspires Haider to contribute to UCR and expand its mission worldwide, even after being part of the foundation for 15 years. The UCR Foundation's goal is to support the university through philanthropy; part of this plan involves bringing faculty members and board members together. "If foundation board members hear about faculty research, maybe someone from the board will say, 'Hey, I love that project. What can I do to help?' That is what we want to see because there is a lot of worthwhile research that goes on at UCR."

He also wants to target specific projects for foundation support. He cites the School of Medicine as an example. "If you have a specific project that helps the university and helps the community, that makes it easier for people to see what they are giving to."

Of course, Haider adds, "That takes work, energy and planning, and I will put in that time."

# FACEBOOK FEEDBACK

## WHAT IS THE ONE THING THAT YOU MOST WANT TO DO WHEN YOU COME BACK TO CAMPUS?

WE ASKED UCR'S ALUMNI TO WEIGH IN ON FACEBOOK, AND HERE'S WHAT THEY SAID.

Eat at the Barn! - **Fazila Fatima '07**

Go to the top of the bell tower!  
- **Sandra Rendon, current student**

I would walk around the whole campus because I know so much has changed since I was there (1975 through 1979). I'd visit the A & I residence hall, and go to the Bull and Mouth if it is still there. There weren't many places to walk to on the weekend so it was the place to hang out!  
- **Susan Schollenberger McLoughlin '79**

Participate in commencement ... again and again! Best feeling ever!  
- **Kelvin Richard Arizaga '13**

Relax in the basement floor of the Rivera Library with a good book or research a topic of interest!  
- **Robert Ambriz '14**

Walk through the Anthropology Department and visit the library — I spent a lot of time there!  
- **David Wade '91**

Hike to the C — that is where my husband proposed to me. (I'd also eat at Sub Station!)  
- **Judy Seligman '94**

Have coffee at The Pub. - **Claire Wilson Killeen '90, M.A. '94**

I wanna see that new student rec center once it's done.  
- **Linh Tong '13**

Visit friends, picnic on Picnic Hill, walk the gardens and 5C hill, climb the C, eavesdrop on tours (I was a tour guide at UCR with Fazila) and attend the monthly avocado tastings, among other things.  
- **Brian Gray '06, Ph.D. '13**

Walk the grounds, pondering the astounding changes. (There were 3,000 undergrads when I started in '69.)  
- **Steven Goodyear '87**

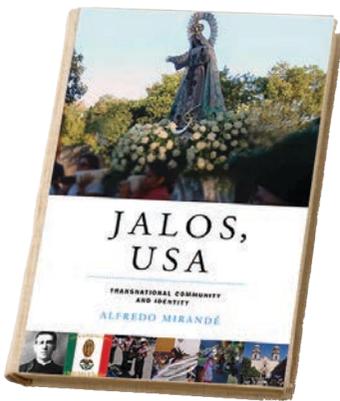


Enter your #miniscotty photo to win UCR gear and prizes for most creative location, school spirit and clever caption.

Take a picture with Scotty. - **Kenneth Van '10**

I used to open up the Botanic Gardens on the weekends and do various chores assigned to me (watering plants in the lath house, etc.). One day I came face to face with a bobcat on one of the trails. I loved that place so I would make a beeline for that.  
- **Susan A. Reed '78**

# Love, politics, transnational communities and other Page Turners

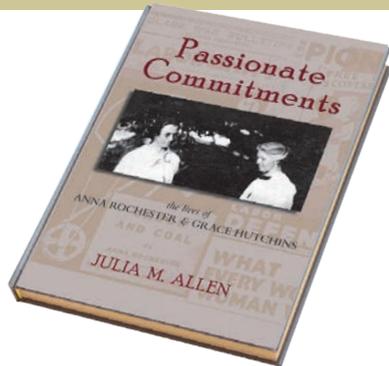


## Jalos, USA: Transnational Community and Identity

By Alfredo Mirandé  
University of Notre Dame Press  
June 2014, 264 pages

In "Jalos, USA," Alfredo Mirandé explores migration between the Mexican town of Jalostotitlán, Jalisco, and Turlock, California, and shows how migrants retain a primal identity with their community of origin. The study examines how family, gender, courtship, religion and culture promote a Mexicanized version of the American dream for the people of Jalos. Mirandé's findings are based on participant observation, ethnographic field research and captivating in-depth personal interviews conducted on both sides of the border with a wide range of respondents. "Jalos, USA" is written in an accessible style that will appeal to students and scholars of Latino and migration studies; policymakers; and laypersons interested in immigration, the border and transnational migration.

*Alfredo Mirandé is professor of sociology and ethnic studies at UCR.*

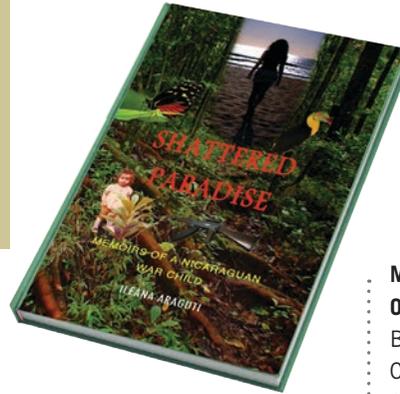


## Passionate Commitments: The Lives of Anna Rochester and Grace Hutchins

by Julia Allen '69  
State University of New York Press  
January 2014, 378 pages

Julia M. Allen's "Passionate Commitments" is a love story, but more than that, it is a story of two women whose love for each other sustained their political work. Anna Rochester and Grace Hutchins, life partners and heirs to significant wealth, aimed for revolution rather than reform in their efforts to address social inequalities. Allen examines the personal and public writings of Rochester and Hutchins to reveal underreported challenges to capitalism as well as little-known efforts to strengthen feminism during their time. Through an investigation of their lives and writings, this biography charts the underpinnings of American Cold War fears and the influence of sexology on political movements in mid-20th-century America.

*Julia Allen is a professor emerita of English at Sonoma State University, Rohnert Park, California.*



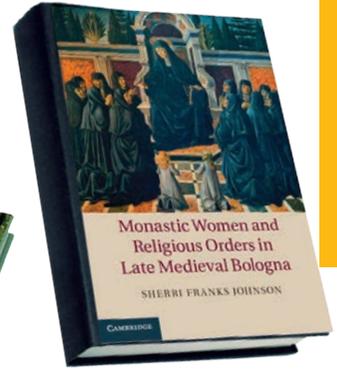
## Shattered Paradise: Memoirs of a Nicaraguan War Child

By Ileana Araguti '05  
JG Publishing  
July 2013, 268 pages

"Shattered Paradise" is a lyrical, stunning and poignant memoir of survival and quick adaption. Ileana and her Roman Catholic mother manage to break free from a war-infected life in Nicaragua, where bullying school masters and a womanizing father led the two to find inner strength and an unexpected destiny. Araguti portrays the richness of Nicaragua colorfully, from animals, birds, plants, folklore and customs to the delicious meals (with recipes). "Shattered Paradise" brings to light the world of childhood in all of its innocence, curiosity, receptiveness and strength.

*Ileana Araguti is an award-winning author and an inspirational speaker.*

*These books are available for purchase at the UCR Campus Store and online at [www.ucrcampusstore.ucr.edu](http://www.ucrcampusstore.ucr.edu). They have been discounted up to 30 percent.*



## Monastic Women and Religious Orders in Late Medieval Bologna

By Sherri Johnson  
Cambridge University Press  
June 2014, 271 pages

In this book, Sherri Johnson explores the roles of religious women in the changing ecclesiastical and civic structure of late medieval Bologna. She also demonstrates how convents negotiated a place in their urban context and in the church at large during the time when Bologna was the most important city in the papal states after Rome. Using archival records from nunneries in the city, Johnson argues that communities of religious women varied in the extent to which they sought official recognition from the male authorities of religious orders. Some women saw themselves as active participants in their religious orders, in the wider church and in their local communities.

*Sherri Johnson is an assistant professor of religious studies at UCR.*



**Keep it kilted! Get your tartan gear online at [ucrcampusstore.ucr.edu](http://ucrcampusstore.ucr.edu). #keepitkilted**

## Alumni Association Scholarship Endowment

Since 1976, the UCR Alumni Association has worked to attract the best and brightest students by offering scholarships for incoming freshmen attending UCR. From its pool of membership dues, the Alumni Association began a scholarship program and granted \$1,000 awards to six incoming freshman students. The amount and number of scholarships have grown exponentially over the past three decades, and, as a result, more

than \$2.2 million has been awarded to more than 1,000 students.

Earlier this year, the Alumni Association launched its campaign to raise \$1.5 million to endow the scholarship and guarantee funding in perpetuity.

To donate to the UCR Alumni Association scholarship fund and help us continue the tradition of excellence, please visit [alumni.ucr.edu](http://alumni.ucr.edu) and click on the "Give Now" button.



## Travel the Globe and Expand Your Horizons

The UCR Alumni Association travel program offers a mix of exploration, education and adventure in partnership with reputable, prescreened tour operators. These are just two of the many trips we have available this year. Visit [alumni.ucr.edu/travel](http://alumni.ucr.edu/travel) for more details.

- Discover Down Under, a 16-night luxury cruise, Feb. 10 to 28, 2015
- Polynesian Paradise, a 10-night luxury cruise through French Polynesia, March 15 to 25, 2015
- Pathway Through Panama, a 16-night luxury cruise through Central America, April 23 to May 9, 2015

Tour participants, whether UCR alumni or not, must be members of the UCR Alumni Association. Each member may bring one travel companion as a guest.



## Receptions with Chancellor Kim A. Wilcox

Alumni and parents are invited to a reception to meet Chancellor Kim A. Wilcox. Mix and mingle with local alumni and parents and hear about the exciting developments at UCR.

San Jose, Calif.	Oct. 26, 2014
Long Beach, Calif.	Feb. 9, 2015
New York, N.Y.	March 26, 2015
Washington, D.C.	Spring 2015

To register or find out more information, visit [alumni.ucr.edu](http://alumni.ucr.edu) and click on "Alumni Events."

**How to contact the UCR Alumni Association:**  
**Website:** [alumni.ucr.edu](http://alumni.ucr.edu)  
**E-mail:** [ucralum@ucr.edu](mailto:ucralum@ucr.edu)  
**Phone:** (951) UCR-ALUM or (800) 426-ALUM (2586)

## The Chicano Latino Alumni Group

The Alumni Association is pleased to announce the re-establishment of the Chicano Latino Alumni group (CLA). The mission of CLA is to promote, develop and maximize networking opportunities for students attending UC Riverside who demonstrate academic excellence and show a commitment to the Chicano/Latino community.

To kick off its reorganization, the CLA will be hosting a reunion at Homecoming. It will be a great opportunity to reconnect with fellow Highlanders! For more information, visit [homecoming.ucr.edu](http://homecoming.ucr.edu).

If you would like to get involved with the CLA chapter, please visit the alumni website and click on "Get Involved."



# 60s

**Frank Bidart '62** is the winner of the 2014 PEN/Voelcker Award for Poetry. The PEN American Center grants this award to a poet whose distinguished and growing body of work to date represents a notable and accomplished presence in American literature.

**Julia M. Allen '69**, professor emerita, English Department, Sonoma State University, published "Passionate Commitments: The Lives of Anna Rochester and Grace Hutchins" with the State University of New York Press in 2013. The dual biography documents the lives of Rochester and Hutchins, life partners and labor journalists during the mid-20th century. (See page 29 for details.)



# 70s

**Kathy Krueger Park '71** accepted the position of vice president for advancement and alumni engagement at Dominican University of California, in San Rafael, Calif.

**Joel Miliband '73** was appointed general counsel and chief legal officer of the international law firm Brown Rudnick LLP. Joel has



## TAKE FIVE



## J. Edward Taylor '79



**J. Edward Taylor is a professor of agricultural and resource economics at UC Davis. His research interests include economic development, immigration and rural poverty. Although Taylor graduated at the top of his class at UCR and has a Ph.D. from UC Berkeley, it was only last June that he received his high school diploma alongside his sons, 18-year-old Julian and 22-year-old Sebastian, from the Mentoring Academy in Oakland. (Read more about that on magazine.ucr.edu.) He credits UCR for the unusual start of his academic career.**



### 1 How did you end up at UCR?

I had a really tough junior year in high school, which culminated in a major health setback. I was lying in a hospital bed when I told mom and dad I wasn't going back to high school, and they couldn't very well say no. My sister and her husband were both students at UCR, and they encouraged me to try going there. The UCR admissions people said that they couldn't consider my high school grades because I did not have a high school diploma — they could only look at my SAT scores. I was admitted on academic probation. Not the best way to start out college, but I was in!

### 2 Your time in Riverside was obviously successful as you graduated top of your class. Who (or what) helped you find your footing at UCR?

Professor Ron Chilcote. He opened my eyes to international development from a political science point of view. He edited (and still edits) *Latin American Perspectives*, a journal on Latin American politics and development. I became its coordinating secretary, and I worked very hard on that journal!

In my junior year Ron connected me with an internship opportunity in the Costa Rican National Planning Office. I applied for a President's Undergraduate Fellowship at UCR to help pay for the internship abroad, and it worked. UCR let me do a senior thesis during my year in Central America even though I was nowhere near being a senior yet. I turned my thesis into an article, which I submitted to the journal. It became my first publication.

### 3 Why did you decide to study agricultural and resource economics?

At the National Planning Office in Costa Rica I was surrounded by economists. I saw firsthand how important economics was to international development. I came back to UCR to double major in political science and economics. I was young and very motivated and I felt that UCR and my professors were behind me. I eventually got into the Ph.D. program in agricultural and resource economics at UC Berkeley.

### 4 What did you learn at UCR that you still apply in your everyday life?

Education is so much more than taking classes. While I learned a lot in my classes, they're for gathering ideas and skills. What we do with those ideas and skills is outside the classroom. UC is a remarkable place, because there are labs, research projects, internships — a host of opportunities to put our skills to work. Today, as a professor, I do my best to blur the lines among teaching, research and public service. I get students into the field, like my professors did for me, and I bring lessons from the field back into the classroom.

### 5 What advice would you give current UCR students or young graduates?

The same advice I give my own students: Take advantage of what's around you. The few curious and motivated students who knock on my door to learn more about what I do ... often end up working on research projects, side-by-side with my Ph.D. students; they become part of my development economics lab. Once that happens, they are never the same again because suddenly they are doing, not just learning, economics.

You can learn more about Ed and his projects by visiting his website: [jetaylor.ucdavis.edu](http://jetaylor.ucdavis.edu)

*I am a sister  
and daughter.*

*I am a first  
generation  
college student.*

*I dream of  
becoming a  
lawyer.*

**Scholarships  
have changed  
my life.**

*My name is*  
**MELISSA  
MIKAIL**  
*I am a*  
**HIGHLANDER**

**Your gift will change the lives  
of students like Melissa.**

**GIVENOW.UCR.EDU**

Watch Melissa share her [#iamahighlander](#) story  
▶ <http://www.ucr.edu/giving/>

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assumed a wide variety of roles relating to risk management, ethics and professional responsibility, conflicts, engagement and supervision of outside counsel and other legal matters arising within the firm. In addition to his new position as general counsel, Joel will continue to devote his time to the practice of law.

**Paul Fuller** '74 serves as the assistant medical director for Kaiser Permanente in Bakersfield, California. In addition to this role, Paul serves as the chief of staff for San Joaquin Community Hospital.

**Adelene Lipartiti Jones** '74 retired after 24 years of teaching with Eureka City Schools in Northern California. She and her husband, Ted, just celebrated 40 years of marriage. They reside in Blue Lake, where Adelene was on the City Council for 20 years, including four years as mayor. Ted and Adelene have two children and four grandchildren. Earlier this year, they traveled to Australia and New Zealand and in May they were in Hawaii. A Mediterranean cruise is planned for October.



**Steven Pargman** '75 is the new franchise owner of Drama Kids International, serving Kitsap County, Edmonds and Shoreline in the state of Washington. The organization provides creative drama education for children and young adults.

**Jeffrey Shaffer** '75 released a new book titled "Who Am I Today?" Essays in the book cover a variety of topics including history, parenting, UFOs, television, the aging process, house cleaning, and how we all manage to get through the day. Jeffrey has been writing humor, social commentary and short fiction for more than 25 years. During that time he has also worked as a radio commentator, TV news writer, reporter and on-air host.

**Isa Maria Infante**, Ph.D. '77, is the Green Party candidate for governor of Tennessee. She received a B.A. in politics and Latin American studies from UC Santa Cruz, an M.A. in political science from Yale University and a J.D. from Northeastern University School of Law in Boston. She is the president of The Yale Club of Knoxville, coordinating chair of the Green Party of Knox County and sits on the board of directors of My Place Performing Arts Center in Knoxville.



**Beverly L. Young** '79, assistant vice chancellor for academic affairs, California State University Office of the Chancellor, has been elected chair of the WestEd board of directors. WestEd's board of directors consists of leaders from public and private education, business and human services communities. Board members take an active role in agency leadership and strategic planning. In addition to serving



on the WestEd Board, Young serves on the California Commission on Teacher Credentialing, the executive committee of the Smarter Balanced Assessment Consortium, the executive committee of the APLU Science and Mathematics Teacher Initiative, board of directors of the Vanderbilt IRIS Center for Faculty Enhancement, the California Concurrence Committee and the Policy Advisory Board of the edTPA.

## 80s



**Michael Campbell '80** has been selected as a principal engineer in the Aerospace Corporation, National

Systems Group, where he provides technical leadership in the areas of system engineering and software engineering for satellite ground systems. Previously, Michael was the chief software engineer for Aerospace's GPS Program Office. He is married to Asya Campbell. They met while attending UCR. They have two daughters graduating from college this year. He remains actively engaged with the school by chairing the External Advisory Board of the Bourns College of Engineering, Department of Computer Science and Engineering and participating in the undergraduate mentoring program.

### TAKE FIVE



## Lisa James '99



**As a producer of ESPN, Lisa James says that the best part of her job is that she is able to watch sports for a living. James is responsible for coordinating the content for broadcasts such as NBA Countdown, SportsCenter and NBA halftime shows. While completing her bachelor's at UCR, James played for the school's softball team.**



1

#### **Describe your typical day at ESPN.**

My typical day producing SportsCenter starts with me coming into the office at 2 p.m. I prepare for our show meeting at 4 p.m., where the staff and I brainstorm on what will be on the day's show. (The show airs at 10 p.m. and re-airs all night.) Afterward, I put together a rundown of what the show will look like live, with highlights, sound, graphics and features. I determine the content to run and make assignments for the anchors. From there, I watch games, check Twitter and wait for news to break.

Once the show starts, I work hand-in-hand with the director to put the show on the air. I decide which stories don't make it as well.

2

#### **What would you say is your biggest accomplishment with ESPN?**

I have gotten to go to eight NBA finals, which I think is pretty cool! ESPN has given me many opportunities to travel. I love going on the road and seeing games in person, interacting with teams and fans. Nothing beats that. However, the absolute best has been meeting and working with Magic Johnson, my sports idol.

3

#### **How has UCR helped you get to where you are today?**

Playing softball at UCR opened up doors for me that opened up more doors. I went from playing four years of softball to being assistant coach for the softball team. And then from playing softball, I ended up working for the athletics media relations department ... and the skills that I learned there helped me get to my job at ESPN.

4

#### **What UCR memory stands out to you?**

The relationships that I made while playing softball. By being around my teammates, I have made some lifelong friendships. Another memory that stands out is the year the softball team won the Conference Championships and then we went on to the playoffs!

5

#### **Who are your biggest inspirations?**

My dad, because he gave me my passion for sports. I wouldn't be who I am now if it wasn't for his love of sports. Growing up, my sports idol was Magic Johnson. I loved basketball because of him and knew I wanted to work in a field involving sports. I actually got to meet him in 2008 for the NBA finals and then I got to work with him for the next couple of years. He is a better person than he was a player.

SportsCenter anchor Stuart Scott's fight against cancer has also been a huge inspiration to never give up, whether it is an illness or following your dreams.



**Stanley Sniff '80** has served as Riverside County sheriff since 2007 and was re-elected in June 2014. He serves as the chief law enforcement officer for the county of 2.3 million residents, and oversees 4,000 employees and an annual budget of more than \$600 million. Stanley is a retired U.S. Army colonel and was the 2005 recipient of the UCR Alumni Distinguished Public Service Award. During his upcoming term of office, he will become the longest-serving sheriff in three decades.

**Gregory Chaba '80** is the assistant superintendent of Morton Golf LLC. He recently obtained his master's degree in water science from UC Davis.



**Anna Masters '81** became the vice president of human resources and deputy general counsel of Teledyne Technologies Inc. Anna arrived at Teledyne after working

for Winston Strawn LLP, where she was a partner concentrating her practice in labor and employment litigation. She has practiced law for nearly 30 years, successfully handling a broad range of employment matters for a spectrum of industries.

**Karen Dodson '85** is one of 35 women leaders in Minnesota who were recognized by the



Women's Health Leadership TRUST for exemplifying leadership excellence in the health care industry. Karen is the senior vice president of operations of the National Marrow Donor Program/Be The Match, a global leader in bone marrow transplantation. In this capacity, she oversees the daily operations and strategic development of scientific services, repository services, case management, adult donor management and cord blood operations.

**Jeffrey Gibson '85** has joined Winnebago Industries as a district sales manager. In his new position, Jeff is responsible for sales of the company's various motor homes as well as dealer development and training for dealers in Northern California, Northern Nevada and in Montana, Idaho, Wyoming and Colorado.



**Jerry Swain '89** founded Jer's Chocolates, which was acquired by BBX Sweet

Holdings, a wholly owned subsidiary of BBX Capital Corp. Jer's corporate gift chocolate boxes and peanut butter chocolate gift boxes have been featured on the Home Shopping Network, QVC, The Food Network and the "Rachael Ray Show." Jer's Chocolates is distributed internationally and within the United States and has customer distribution in numerous sales channels. Jer's brand story and award-winning chocolates have created a fanatical customer base.

**Marie Schultz '98** accepted the new position of assistant vice chancellor for central development at UCR. Marie will oversee many functions of development including annual giving, athletics development, gift planning, foundation relations and regional gift officers. In her previous role as senior executive director of development, Marie was responsible for developing the first major gifts program.

## 00s

**Seth Chavez '00** was named director of arbitration and mediation at the Los Angeles County Bar Association Lawyer Referral Services, serving Los Angeles and San Bernardino counties. Seth attended Whittier Law School for grad school, earning his J.D. degree.



**Andy Kimball '00** was promoted to partner from senior manager. Kimball is a member of Ernst & Young



LLP's assurance practice in San Diego, where he serves clients in a wide variety of industries, including life sciences, defense, technology and consumer products. Kimball recently completed two years as a resident in the West Region

## 90s

**Mike Bergler '92** transitioned to a new position at Concordia University Irvine. He is now the executive director of Development: Advancement Services and Annual Giving.



Share your #miniscotty on Instagram, Twitter or Facebook to win prizes. Details at homecoming. [ucr.edu](http://ucr.edu).

Professional Practice Group. Prior to this, he was associated with EY member firm in Switzerland, where he served a variety of global consumer products clients. Kimball holds a bachelor's degree in business administration with an emphasis on accounting from UCR. He is a certified public accountant licensed to practice in California and a member of the American Institute of CPAs.

**Bryce Mason '01** began his new position as assistant vice chancellor of strategic academic research and analysis at UCR. In his previous role, he served as director of institutional research at Loyola Marymount University for six years.



**Josefina Ramirez Notsinneh '03** has been appointed as a public member on the Regents

Selection Advisory Committee by Senate President Pro Tem Darrell Steinberg. Josefina is an account director for Ogilvy Public Relations. She is also a member of Hispanas Organized for Political Equality, and previously worked as a staff member in the Assembly.

**Linh Lollis '03** has been certified as a registrant of the National Registry of Certified Microbiologists (NRCM). The NRCM, founded in 1958, has certified microbiologists in all 50 states, the District of Columbia and Puerto Rico and on six continents. It certifies

professional microbiologists in food, pharmaceutical and medical device, and biological safety microbiology at the baccalaureate, master's and doctoral levels. Linh became certified as a registered microbiologist in pharmaceutical and medical device microbiology.

**Theresa Navarro '05** is a filmmaker, actress and producer who co-produced an independent feature documentary titled "9-Man." The film premiered at the Independent Film Festival in Boston and had its West Coast premiere at the LA Asian Pacific Film Festival (LAAPFF). The film won the 2014 Audience Awards for Favorite Feature-Length Narrative and Documentary Film at LAAPFF.



**Janine Joseph '05** won the 2014 Kundiman Poetry Prize for her manuscript "Driving

Without a License." The manuscript is slated to come out in spring 2016 with the nonprofit poetry press Alice James Books. Janine holds an M.F.A. from New York University and a Ph.D. from the University of Houston.

**Victoria Ross '05** transferred to the new position of project manager at General Atomics. Her previous position was the production control supervisor in the cabling department. Victoria also celebrated her marriage to Andrew Ross in May.

**Elliot Jordan '09** marks his third year as an instructional developer at Indiana University. He develops websites, instructional video and manages social media for his research team (they research discipline disparities in education) at IU. Elliot earned his M.B.A. at UCR in 2009 and then attended IU, where he earned his M.S. and Ed.S. in instructional systems technology.

**Samantha Bryant '09** received her M.A. in sociology at Humboldt State University in 2012. She has since obtained a position at Sacramento State University for the Institute for Social Research.

**Are you celebrating a milestone event? Tell us about it; email [news@ucr.edu](mailto:news@ucr.edu) and we'll include it in the next UCR Magazine.**



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## WE REMEMBER

**Byron Joseph Patterson '55**, English professor at American River College. March 2014.

**David Malcom Peterson '59**, cataloguing specialist at UCR Rivera Library. June 2014.

**Margaret Elizabeth Dana '64**, professor at California Baptist College. July 2014.

**Velva Blanche Maguire '77**, wife, mother and grandmother. June 2014.

**Sean Kimberly Phillips-Jones '86**, social worker for San Bernardino County. July 2014.

**Avelina Sanchez '88**, vocational rehab counselor for the State of California. March 2014.

### Staff

**Mark Nocolay** passed away in May. He was 57 years old. Nocolay worked at UCR as a Computing and Communications Instructional Technologist for 14 years.

Nocolay received his Ph.D. in music from the University of Southern California and performed professionally in the Inland Empire and in Los Angeles. At UCR, he has assisted numerous faculty members, lecturers and graduate students to enhance instructional effectiveness through the use of various technologies, from iLearn to research methods software and tools.

He is survived by his wife, Lisa, and his two children.

BY LITTY MATHEW

There's a turning point in many young people's lives. A moment when they understand their purpose. For Samantha Lynne Gupta '09 that moment came in 2004 when, at 16, she and her friends cut class to support same-sex couples applying for marriage licenses at the San Bernardino County Clerk's office. "We offered flowers from my mother's front yard," says Gupta, now 27 and a chaplain in training at Los Angeles County and USC Medical Center. Motivated by family members in deeply committed same-sex partnerships, the religious traditions of Unitarian Universalism and mentors who encouraged her to take a stand, she made a personal commitment not to get married until same-sex couples had the same rights. Gupta's lesson from that early experience was that mentorship mattered. So did youth activism. "The people who saw me as someone worth investing in had a profound impact on my development as a principle-rooted activist."

In 2008, while studying Global Studies and Religion at UCR, Gupta developed the Child Leader Project (CLP), a holistic, social-justice focused leadership program for youth at a school in South India.

"UCR was my incubator for the belief that we can teach aliveness," says Gupta. "I was given resources, time and encouragement by the faculty, staff and administration." In 2009, Gupta received the Donald Strauss



## SAMANTHA LYNNE GUPTA

# THE ACTIVIST

**"THE PEOPLE WHO SAW ME AS SOMEONE WORTH INVESTING IN HAD A PROFOUND IMPACT ON MY DEVELOPMENT AS A PRINCIPLE-ROOTED ACTIVIST."**

grant for \$10,000 to start CLP, which connects youth activists in Riverside to youth leaders in South India. "I ran to my mentor, former Religious Studies Department Chair June O'Connor, to share the news.

I reached her door and said, 'I got the money ... now what do I mean by leadership?' She looked me in the eye with a look that communicated "I believe in you," and responded — "Well. I guess leadership would be truly listening to, believing and investing in other people's hopes and dreams."

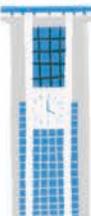
CLP continues on its own steam to organize children and young adult collectives in both California and India. The initial project she established is now run as a separate organization by young Indian adults.

"My personal delight in working with young people is their willingness to risk — to look like a fool, to try something new, to believe something is worth doing and being changed by it," says Gupta. "The best chance we have at planting the seeds to cultivate compassionate, self-aware, deeply connected adults is to offer those same qualities through the mentorship and intentional engagement of our young people."

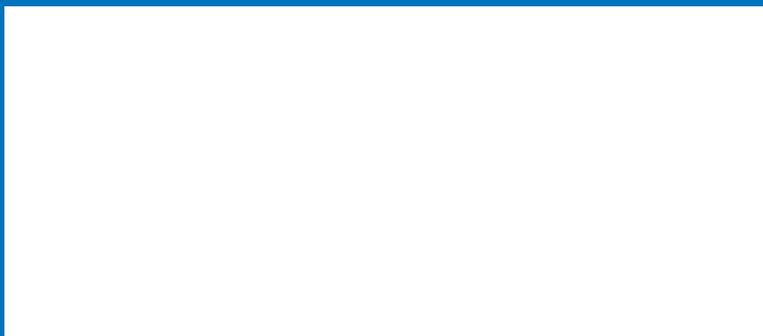
Today, Gupta continues the mission she started as a teenager and honed at UCR. "That listening deeply to the heartbeat of our own and each other's lives is the pathway towards healthy, life-giving communities and a healed planet," says Gupta. She is also married. "The same year I married my husband, I officiated my aunts' wedding."

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<p><i>Cheer with the crowd</i></p>  <p>AT THE BASKETBALL GAME</p>	 <p><b>HIGH-FIVE</b></p> <p>A HIGHLANDER PARENT</p>	<p><b>TAKE A TOUR</b></p>  <p>(TAKE YOUR PICK)</p>	<p><i>Say hello</i></p>  <p>TO THE CHANCELLOR</p>	<p><b>LISTEN TO LIVE MUSIC</b></p>  <p>AND BAGPIPES</p>
<p><b>HIKE TO THE</b></p> 	<p><i>lace up your</i></p>  <p>RUNNING SHOES FOR THE SPIRIT OF THE TRIBES 5K</p>	<p><b>FREE</b> (AND SO IS THIS EVENT!)</p>	<p><b>STROLL THE</b></p>  <p>Botanic Gardens</p>	<p><b>PICK UP</b></p>  <p>SCOTTY EARS AT SCOT FEST</p>
<p><b>RIDE THE</b></p>  <p><b>TROLLEY</b></p>	 <p>GO "BACK TO CLASS"</p> <p>AT A FACULTY PRESENTATION</p>	<p><b>SHAKE HANDS</b></p>  <p>AND RECONNECT AT REUNIONS</p>	<p><i>"Ooh and Ahh"</i></p>  <p>AT THE NEW STUDENT REC CENTER</p>	<p><b>NETWORK WITH</b></p>  <p>ACCOMPLISHED ALUMNI</p>
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“Water is a limited resource, and yet it’s vital to all of us. It’s unconscionable to waste it.”

– *Reuben Muñoz and Paul Velen*

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Reuben and Paul are supporting water research at UCR through a bequest.

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