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# Cabaret, Kayaking and Cameras

Things to do this fall and winter at UCR

For more on UCR events, visit the calendar at [www.ucr.edu/happenings](http://www.ucr.edu/happenings).



## Through 01.03

### Like Lifelike: Painting in the Third Dimension

This exhibition features painted works that break free from the traditional to emerge as fully formed sculptural objects. The works, born from two-dimensional practices, share aesthetics with their pictorial origins, but confront unfamiliar issues as they extend into real space.

[www.sweeney.ucr.edu](http://www.sweeney.ucr.edu)



## Through 01.03

### Leica and Hasselblad: A Selection of Classic Cameras from the David Whitmire Hearst Jr. Foundation

For the first time publicly, cameras from the extensive Hearst Collection will be on display at the UCR/CMP. There are few machines in the modern world that call up visions of iconic, polished precision instruments and at the same time evoke the visual images that have both documented our age and created our visual and media world. The exhibition also features photographs taken with the featured cameras.

[www.cmp.ucr.edu](http://www.cmp.ucr.edu)



## 11.13-15, 20-22

### "A Doll's House" by Henrik Ibsen

Nora, realizing that she has always been treated as a doll, chooses to leave her husband in order to become a person in her own right. This production is directed by Eric Barr, chair of the Department of Theatre.

[www.theatre.ucr.edu](http://www.theatre.ucr.edu)



## 11.26-29

### Black Canyon Kayaking and Hot Springs

This event is just one of a variety of outdoor recreational and instructional activities offered through Outdoor Excursions. Other outings include rock climbing, hiking, snow boarding, camping, riding and surfing.

[www.excursions.ucr.edu](http://www.excursions.ucr.edu)



## 12.6-7

### Geology and Natural History of Northern Death Valley

This weekend field course explores the natural and human history of northern Death Valley through moderate hiking and off-road travel. The seldom-visited area features ghost towns, young volcanoes and mysterious "moving" rocks.

[www.extension.ucr.edu](http://www.extension.ucr.edu)

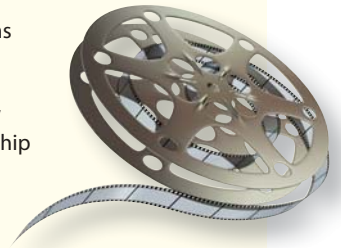


## 1.12-15

### Media that Matters Film Series

This series, sponsored by the UCR Hate Bias Response Team, an outreach of the Dean of Students office, features films that explore issues of religion, gender, education, citizenship and activism.

(951) 827-5000



## 1.22-24

### "Songs for a New World"

A review of 16 cabaret and theater songs by , with a powerhouse cast and a driving score.

[www.theatre.ucr.edu](http://www.theatre.ucr.edu)



# The One to Watch

On Aug. 27, my wife, Karen, my son Logan and I became official Riverside residents. We are thrilled to be here. Already we have been warmly greeted by members of the campus and the community, and we look forward to meeting more of you.

The University of California, Riverside has an uncommon opportunity to become "the next great UC." This was my assessment during the recruitment process and one of the major variables that attracted us here. Clearly, many of the faculty, staff, students and alumni understand this. And although I am not a big fan of qualitative rankings, I am very pleased to see the movement that has occurred in the recently published 2008 rankings of U.S. News & World Report. UCR was ranked ninth nationwide as an "up and coming" university. In addition, our overall national rankings improved by five spots over the previous year, placing UCR 40th in the country among public research universities.

What makes UCR the one to watch, indeed, the one to join? Our strong linkages to the region are just one of the characteristics that poise this campus for further greatness. We have partnered with the community for the advancement of the arts and culture. Our long-standing land-grant tradition has developed close ties to the agricultural industry and, increasingly, our faculty have extended this tradition to address such issues as the environment, K-12 education and transportation. Our recently approved schools of medicine and public policy will be consistent with this model of serving our region with research and educational programs that, at the same time, have implications for the state, nation and globe.

Our people are indeed the university's finest resource. Our students hail from all parts of California and the U.S. and, especially at the graduate level, throughout the world. They

bring with them a rich and diverse tapestry of backgrounds, experiences and perspectives. This diversity has enriched our teaching and learning, and strengthened our research and creative activity in ways that are the envy of other campuses.

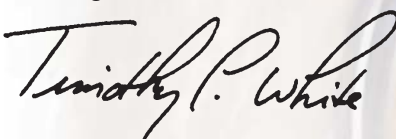
Our faculty are among the nation's finest. They are dedicated teachers. The 2008 Princeton Review cited UCR for its "helpful and friendly professors." They are superb researchers. The Faculty Scholarly Productivity Index for 2007 ranked six UCR programs in the top 10 nationwide based on the scholarly accomplishments of our faculty.

Our staff are committed to UCR and to our students. They help create the welcoming and supportive climate for which our campus is known. Routinely, our staff go above and beyond the call of duty, contributing to the campus through the theme of "Many Talents, One Mission."

Our alumni continually make us proud, providing leadership to the world. They include a Nobel Prize recipient, a national poet laureate, a Pulitzer Prize winner, ambassadors, state legislators, an Oscar-nominated screenwriter and even a UC chancellor. Together they carry on UCR's tradition of excellence.

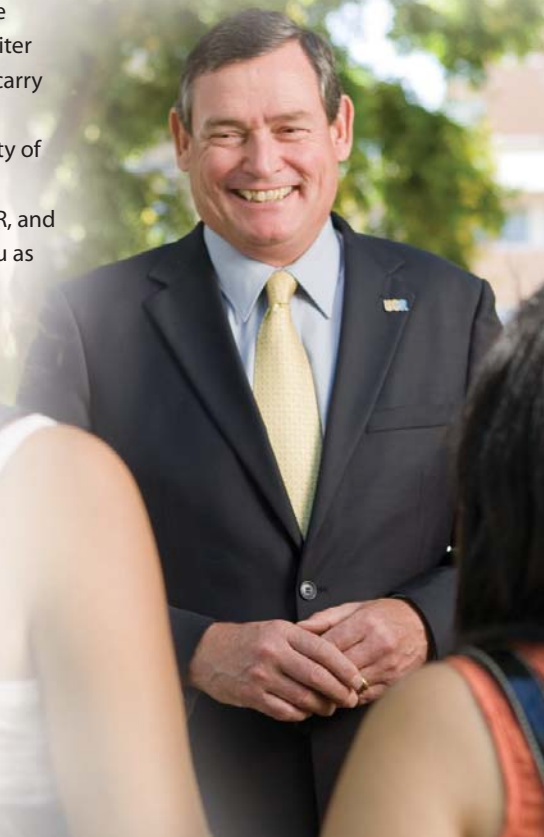
Collectively, we will move the University of California, Riverside to the next level of achievement. It is an exciting time for UCR, and I am humbled by the honor of serving you as chancellor, and excited about the rich opportunities available to this wonderful university.

Warm regards,



Timothy P. White  
Chancellor

"What makes UCR the one to watch, indeed, the one to join? Our strong linkages to the region are just one of the characteristics that poise this campus for further greatness."







## New Web Appearance Tells Stories

UC Riverside has a new look on the Web with a focus on telling the campus' story to the external world, including alumni, prospective students, parents, donors, government officials and prospective faculty and staff.

"The new site is a key component of our campuswide integrated marketing program and evolved from best practices on the Web and an analysis of our competitor universities," said Marcia McQuern, associate vice chancellor, external relations.

"We want to be able to compete with them for students, faculty and support."

Partners in the development of the Web site included departments across campus,

outside consultants, student interns, colleagues in marketing and media relations, a marketing council and, early on in the process, a campuswide Web Advisory Team.

To coincide with the launch of the new Web site and to strengthen UCR's ability to compete with other universities, the Office of Strategic Communications has implemented a six-month regional awareness campaign that includes public radio, billboards and print ads that build off the "Inventing Your Future" theme.

The new Web site has been selected to receive an award of excellence from the Council for Advancement and Support of Education (CASE) at their District VII conference in December. In addition, UCR will also receive an award for best practices in public relations or government relations.

A sample of the new print advertisement can be seen on the inside back cover of this issue of the magazine.



## UCR Ranks Ninth for Innovation

UC Riverside's growing reputation for research excellence, diversity and programs that enhance student success helped to rank the Inland Southern California university ninth in U.S. News & World Report's list of "Schools to Watch."



The category, added this year to the magazine's lists of the nation's best universities, is based on nominations by top college officials across the country and identifies schools that have recently made the most promising and innovative changes in academics, faculty, students, campus or facilities.

UCR tied for ninth place among national universities, one of only three public universities in Southern California to rank in the top 20 on the list.

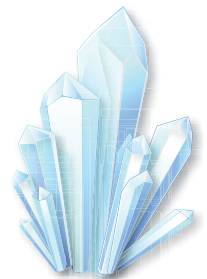
Recently the campus' overall ranking also moved up five places to 40th among public research universities and seven places to 89th among all research universities.

"This is a welcome confirmation of what faculty, students, staff and alumni know about the University of California, Riverside," said UCR's new chancellor, Timothy P. White. "It speaks to the quality of the people that we have and the programs that are established and being established. This is not a surprise. It's long overdue. The credit goes to those who worked hard in the past to get the university to where it is today."

U.S. News & World Report began issuing lists of the nation's best colleges and universities in 1983.



## Hot Technology Gets a Cooldown



As today's hottest technology — featherweight laptops, slim cell phones with Web-browsing capabilities, credit card-sized MP3 players — becomes smaller with more complex capabilities, they're also overheating.

Electronic appliances that once were large enough to be cooled by fans are now in danger of malfunctioning because there is no easy way to remove all the excess heat produced by the large



## School of Public Policy Approved

The UC Board of Regents unanimously approved the establishment of a School of Public Policy in September. The graduate school, which will admit its first class of students in fall 2010, will focus on a range of social-policy issues, particularly those related to population growth, as they intersect with environmental policy and will emphasize a regional approach to solving common problems.

“We think the school will serve this region well. In many ways the Inland Empire is a living laboratory for policy analysts; the region is experiencing rapid population growth and the problems that typically come with growth — congestion, suburban sprawl, air pollution, water scarcity, stress on social services and increasing inequality of income and opportunity,” said Anil Deolalikar, associate dean of the College of Humanities, Arts and Social Sciences (CHASS) and director of the CHASS Public Policy Initiative that launched preparations for the School of Public Policy.

Ultimately, the school will be located in the planned West Campus Professional and Graduate Center, to be located northeast of Martin Luther King Boulevard and Iowa Avenue.

The school will offer a Ph.D. and a Master of Public Policy (M.P.P.) degree. Also planned is a 15-month Executive M.P.P. program, a fast track for experienced professionals working in government, nonprofit and community agencies. Non-degree certificate programs will be offered in selected areas.

There will be four areas of specialization: environmental and sustainable development policy, population and health policy, higher education policy and immigration policy.

UCR will begin recruiting a founding dean and core faculty this academic year.

numbers of tiny transistors operating inside them.

Alexander Balandin, a UCR professor of electrical engineering, received a \$600,000 grant to help devise technology that would make it possible to increase the speed of the next generation of electronic devices while simultaneously reducing heat dissipation and improving thermal management.

Balandin and his researchers will investigate the use of layers of synthetic diamond incorporated with the conventional silicon layers to better manage the interaction of phonons and electrons. Diamond is known to be an excellent thermal conductor and its use in device structures for increasing electron mobility will simultaneously remove heat.



## Researcher Develops Novel Method to Grow Human Embryonic Stem Cells

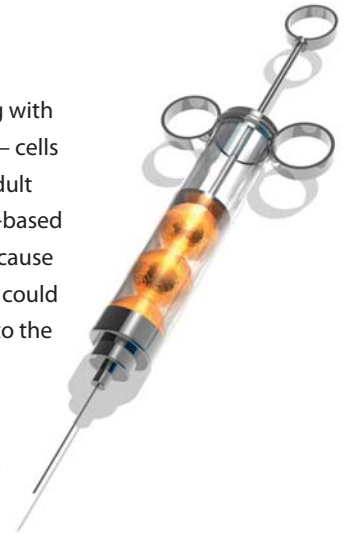
The majority of researchers working with human embryonic stem cells (hESCs) — cells that produce any type of specialized adult cells in the human body — use animal-based materials for culturing the cells. But because these materials are animal-based, they could transmit viruses and other pathogens to the hESCs, making the cells unsuitable for medical use.

Noboru Sato, assistant professor of biochemistry, has devised a method of growing hESCs in the lab that uses no animal-derived materials — an important advance in the use of hESCs for future medical purposes. Because of their tremendous potential, hESCs are considered promising sources for future cell therapy to treat diseases such as Parkinson’s and diabetes mellitus.

The new method is cleaner and easier to use than conventional methods of culturing hESCs. It also results in hESCs whose pluripotency — the potential to differentiate into any of the specialized cells of the body such as neurons, cardiac muscles and insulin-producing cells — is uncompromised.

“His work is certainly an important step forward in both understanding signal transduction pathways in stem cells and in the development of an improved methodology for culturing stem cells,” said Prue Talbot, the director of UCR’s Stem Cell Center of which Sato is a member.

The research was a collaboration between UCR and National Institute of Environmental Health Sciences.





## Renowned Biochemist Leads CNAS

Thomas O. Baldwin, a well-known biochemist, has been named the dean of the College of Natural and Agricultural Sciences (CNAS). His appointment was effective July 1.

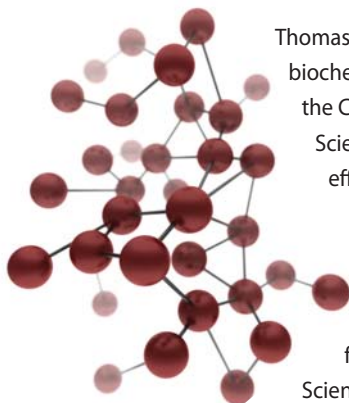
Baldwin, 61, comes from the Department of Biochemistry and Molecular Biophysics at the University of Arizona, where he founded the Institute for Biomedical Science and Biotechnology, serving as its director from 2000 through 2003.

"As dean of the College of Natural and Agricultural Science, I hope to capitalize on the underlying strength of the faculty in the sciences to raise the profile of the college in the eyes of incoming students, making UCR a first-choice university for students contemplating professions in basic and/or applied science," Baldwin said.

Baldwin is best known for his work on "protein folding," the biochemical process, vitally important to all of life's processes, by which a protein assumes its three-dimensional structure. Protein misfolding leads to numerous disease states, including prion diseases such as mad cow disease, Alzheimer's, Huntington's and Parkinson's.

Baldwin is joined by his wife, Miriam Ziegler, who is also a biochemist. They have two daughters: Rebecca, an attorney in Washington, D.C., and Ruth, a graduate student who lives with her husband in Berkeley, Calif.

Baldwin succeeds Steven Angle, who left in March 2007. Donald Cooksey, a professor of plant pathology and bacteriologist, had served as the college's interim dean since then.



## Economic Impact Tops \$1 Billion

UC Riverside had a \$1.1 billion economic impact in California during the 2006-07 academic year, statistical modeling estimates show. This represents a 22.1 percent increase over the 2005-06 overall impact of \$920 million.

UCR spent nearly \$6.50 in Riverside and San Bernardino counties for every dollar received from the Inland area, according to a recent analysis of the university's economic impact.

This figure is calculated by using industry-standard multipliers to show how direct campus spending ripples through the economy, as the institution buys goods and services, pays salaries to employees and constructs new buildings, prompting the need for more production elsewhere.

In all, UC Riverside's total spending impact in California was \$824.6 million in the 2006-07 fiscal year. In addition, spending by students and retirees, and by visitors to the campus had an economic impact of \$298.6 million. This combined spending impact also generated more than 13,000 full-time equivalent jobs statewide.



## Professor Ranked No. 1 in U.S. for Plant Citations

Jian-Kang Zhu, a faculty member in the Department of Botany and Plant Sciences, is the most cited plant scientist in the United States for 1997-2007, according to a survey by ScienceWatch.com, an open Web resource for science metrics and analysis. Zhu's 5,405 citations — references to his research work in other scholars' articles — earned him a No. 4 ranking internationally.

Zhu, holder of the Jane S. Johnson Chair in Plant Sciences as well as a University of California Presidential Chair, joined the faculty in 2004. He is also the former director of the Institute for Integrative Genome Biology.

The long-term goals of his research program, Zhu says, are "to elucidate the signaling pathways used by plants in responding to environmental stresses and to identify key genes for modifying the responses of crops to environmental stresses, which ultimately will lead to major contributions to agriculture and the environment."





## Electronic Nose to Detect Explosives is Goal of Team

Chemical and Environmental Engineering Professor Yushan Yan is part of a multidisciplinary team working to develop an “electronic nose” — an ultra-sensitive sensor system that can quickly detect trace quantities of explosives in high-traffic, high-risk security areas, such as airports.

Yan and his team at UCR are working to develop an ultra-thin molecular sieving membrane that will be part of the hand-held sensor that lead researcher Yu Lei, an assistant professor from the University of Connecticut, is working concurrently to design.

The membrane will have pores the size of a fraction of a nanometer, which is 100,000 times narrower than the diameter of a human hair.

This will allow nitrogen and oxygen to pass through but will trap larger molecules, including those of explosive vapors such as TNT, on its surface, said Yan. His research focuses on utilizing nanomaterials for advancing technologies important to alternative energy and defense needs.

The three-year project is funded by the National Science Foundation.



## Pipe Band Best in the West

The UCR Pipe Band has marched into first place among Grade 4 bagpipe bands in the annual Western United States Pipe Band Association (WUSPBA) competition season, based on points won at events throughout the year. Winners for the season will be announced at the association’s annual meeting in Las Vegas in November.

The Pipe Band appears to have clinched a first-place finish for the first time by taking the top spot overall among Grade 4 bands at the Seaside Highland Games in Ventura Oct. 10-12. The band previously placed first overall at the 143rd annual Scottish Highland Games in Pleasanton, the Queen Mary Games, San Diego Games and Arizona Games, and placed third in quick march medley and timed medley at the Costa Mesa Games.

Bands compete in Grade levels 1 through 4, with 1 high and 4 entry level. This is the most successful season since the group began competing in 2003, said Mike Terry, pipe major and founder of the 8-year-old band.

The UCR Pipe Band is a volunteer organization composed of alumni, students, staff and faculty and is associated with the university through Alumni and Constituent Relations. It also serves as an ensemble to meet requirements for a degree in music.

UCR is the only public university in the United States to offer a Bachelor of Arts degree in piping and is the only university, public or private, in the world to offer a B.A. in Scottish-style drumming.



## Athletics Scores New Boosters

Community leaders have formed a new organization to build regional support for the Division 1 athletics program that has produced championships in baseball, men’s golf, women’s basketball and soccer, and individual national honors for athletes in a variety of sports.

The Highlander Athletics Association will raise money to support student-athletes, but more importantly will work to build excitement and a fan base for UCR teams, said Amy Harrison, a UCR sports legend who chairs the association’s board and executive committee.

Harrison, who is the CEO of Altus, a consulting and management company that works with emotionally disturbed children and adolescents and their families, said her experiences as a student-athlete contributed to her successes in business.

The Highlander Athletics Association will help position the university to achieve its goals in athletics, said Julie Hall, associate director of athletics for development.

Other members of the executive committee include Nick Goldware, chair of the UCR Foundation and executive vice president of HUB International; Virginia Blumenthal, president of Blumenthal Law Offices; Jack Clarke, partner in Best Best & Krieger law firm; Jim Erickson, president of the Community Foundation in Riverside; Susan Rainey, retired superintendent of the Riverside Unified School District; Jim Robinson, chairman and CEO of Security Bank in Riverside; Cindy Roth, president of the Greater Riverside Chambers of Commerce; Tito Saldana, owner of aTEN Construction in Highland; Jack Smitheran, former longtime UCR baseball coach; and Nick Tavaglione, owner of Nick Tavaglione Construction.



# Remedies

By Kathy Barton

# W

hen the University of California regents approved UCR's plans to establish a School of Medicine in July, they paved the way for the state's first new public medical school in more than four decades. As the work progresses, the education of future physicians in the Inland region will be shaped by qualities for which the university already is known — a commitment to the health of the community; world-class research that forms the foundation for future advances in medicine; and proactive approaches in health and wellness to offer early intervention and prevention for those patients most at risk for chronic diseases.

These elements will form a solid foundation for a medical school that will fill a critical need in the rapidly growing and increasingly underserved Inland Southern California region.





For future physician Rafael Huezo, the commitment to practice medicine in a disadvantaged community is not primarily motivated by the terms of his federally funded scholarship, but by a genuine calling to serve.

The UCR graduate, and now a UCLA medical student, is one of approximately 100 medical students nationally to receive annually a National Health Service Corps scholarship. The funds tuition, fees and other educational expenses, as well as a monthly stipend. In return, he must practice in a federally designated Health Professional Shortage Area for four years — one year for each year of scholarship support he receives.

That requirement, in fact, will help him achieve his career ambitions in medicine. “My ultimate goal is to work for an underserved community,” said Huezo, who completed his first two years of medical school in the UCR/UCLA Thomas Haider Program in Biomedical Sciences and recently began his third year at UCLA’s David Geffen School of Medicine. “I want to provide services to people regardless of their race — fair and competent care.”

Huezo is an example of the kind of medical student UCR wants to attract to its four-year School of Medicine — dedicated to providing the highest-quality medical care to patients most in need.

### Moving Forward

UCR has moved into the start-up phase in preparation for enrolling the first students in fall 2012. The medical school is rooted in the dire need to expand and diversify the physician work force in Inland Southern California and to improve the health of those who lack access to health care or who face economic, cultural or linguistic barriers to health care.

“This medical school is part of our commitment to serve the needs expressed by our community,” said Chancellor Timothy P. White, noting the region’s rapidly growing and diverse population and poor outcomes in a number of health indicators.

White’s vision for the medical school focuses on three themes — expanding and diversifying the physician work force,



I want to provide services to people regardless of their race — fair and competent care, said future physician Rafael Huezo.

### Healthy Research



Mihri and Cengiz Ozkan,  
Electrical and Mechanical  
Engineering

Their research pursues a more direct, less harmful treatment for cancer using nanotechnology to detect cancerous cells and target them directly with chemotherapy, leaving the surrounding healthy tissues untouched.

developing health care innovations in preventive medicine and health promotion and stimulating a stronger knowledge-based economy through research.

“It’s really a very strong trifecta for this region. As a University of California campus, it is our obligation to attend to the health care needs here,” he said.

### Critical Shortfall

Physician shortages are forecast nationally, with the American Association of Medical Colleges calling for a 30 percent expansion in medical school enrollments by 2015. The Inland Empire, composed of Riverside and San Bernardino counties, currently has one of the state’s lowest ratios of physicians to residents. It faces a physician shortfall as high as 53 percent by 2015. Further, the physician work force does not reflect the ethnicity of the region’s population.

To address these challenges, UCR will build on the foundation established with its 34-year-old joint medical education program with UCLA and existing research strength in biomedically relevant areas





covering a variety of human diseases and health care delivery issues.

"For more than 30 years, our biomedical sciences faculty members have educated the brightest and most dedicated medical students in the state of California and the nation. During the same time, the faculty have directed important basic research designed to understand the mechanism of disease processes," said Craig Byus, dean of the Haider program in biomedical sciences. "The development of the medical school will surely benefit by this strong foundation."

Since 1974, more than 700 UCR graduates have become physicians, receiving their early training in the Haider program. In 2003, the program's mission was reshaped to emphasize preparing physicians who will serve health care needs of underserved, Inland Southern California and rural populations. At the same time, it was restructured to eliminate the accelerated seven-years-to-M.D. format and opened the doors for admission to the medical program for 24 UCR graduates from any undergraduate major who had completed the prerequisite medical school requirements.

The impact so far has been dramatic, according to Neal Schiller, associate dean of the biomedical sciences program.

"Before, we lost a lot of really, really good kids ... who wanted more time as undergraduates to play intercollegiate sports, do research, double-major or take a year abroad," he said.

Other students had life circumstances that prevented them from meeting the strict accelerated academic requirements of the program, but they had experiences to make them first-rate, compassionate physicians. "Now we have a greater variety of students with more varied backgrounds and experiences who are all capable of being excellent physicians," said Schiller.

Developed jointly by faculty in the UCR biomedical sciences program and the UCLA medical school, the first two years of the medical school curriculum provide students with an integrated approach to human biology and disease processes with introductory clinical skills beginning the very first week of instruction. The first two years also emphasize case-based and

## Riverside Medical Clinic Pledge Establishes Endowed Fund

Riverside Medical Clinic, a multi-specialty medical practice group long associated with the medical education program at the University of California, Riverside, has pledged a flagship private gift of \$1 million toward development of the medical school.

"This pledge from Riverside Medical Clinic is an extraordinary endorsement of the UCR School of Medicine that recognizes the critical need to expand the physician workforce in this rapidly growing region," said UCR Chancellor Timothy P. White. "I want to express our deepest gratitude to Dr. Steven Larson, the board of directors and the entire staff of Riverside Medical Clinic."

Established in Riverside's Mission Inn Rotunda in 1935, Riverside Medical Clinic (RMC) has grown into the Inland Empire's largest provider of ambulatory care, comprising a multispecialty medical practice group of more than 120 physicians.

"The physicians and staff at Riverside Medical Clinic are proud of our support of UCR and of our continued partnership in raising the level of health care throughout the Inland Empire," said Larson. "The UCR medical school is the answer to the need for an increase in the local physician workforce. Together we are all stronger."

Riverside Medical Clinic becomes the first medical practice group to join the UCR School of Medicine Founders' Circle, recognizing leadership gifts to the medical school of at least \$1 million. The pledge will establish the Riverside Medical Clinic Endowed Fund.

Riverside Medical Clinic has been associated with the UCR/UCLA Thomas Haider Program in Biomedical Sciences for more than 20 years. Larson is one of about a half dozen group physicians to serve on the clinical faculty of the program. RMC also offers summer "externships" for UCR medical students to gain experience working with practicing physicians and several physicians serve as mentors to students.

### Healthy Research

Victor Rodgers,  
Bioengineering



His research with the interdisciplinary Biotransport and Bioreaction Kinetics Group applies experimental work with mathematical analysis to investigate drug delivery systems, artificial organ operations, bioreaction kinetics, crowded proteins and bioseparations.

problem-based learning. Doctoring courses cover the doctor-patient relationship, followed by more complex interactions with patients and patients' families with an emphasis on developing culturally competent physicians.

"This approach is somewhat new in medical education. It helps students better understand from the outset the breadth of the practice of medicine. It also promotes in students the importance of lifelong learning to stay current with new research findings applying to medicine and new thinking in wellness and preventive care," said Dr. Phyllis A. Guze, executive director of medical school planning at UCR and a recognized national leader in medical education.

In preparation for the UCR medical school, years three and four of the curriculum — known as the "clinical years" — were again jointly developed by UCR and UCLA faculty. Students will embark on "clerkships" in both medical center and community-based health care settings in a variety of specialties, such as family medicine, pediatrics, internal medicine and surgery. The community-based clerkships respond to the reality that most health care delivery occurs outside of hospitals. As an example, clerkship students will be assigned to a primary care physician and follow selected patients over time to gain in-depth knowledge of the patients' interaction with the entire health care spectrum — from office visits to laboratory tests to hospitalization to post-hospital care.

UCR has selected a distributed model for student clerkships, which will take place in regional hospitals and medical clinics. The approach provides students with high-quality experience in community settings in which most medical services are provided. Guze said the affiliations will be similar to that between Harvard Medical School and Massachusetts General Hospital or, within the University of California, the association between UCLA and Cedars-Sinai Medical Center.

"We anticipate having several hospital partners in the community. This will assure that our medical students and residents have exposure to a diverse range of patients who reflect the cultural and ethnic diversity of the region," she said.

The medical school curriculum combines

the first two years of instruction at UCR, already accredited by the Liaison Committee on Medical Education, with an innovative approach to clinical clerkships, according to Byus. He added that the Inland Southern California region has many highly qualified clinical practitioners for clinical training, including those currently teaching in the UCR biomedical sciences program.

"We could not have developed this program without UCLA," said Byus. "Especially the last five or six years, UCLA has played a large role and has been a wonderful partner for us. Without that, a small program cannot flourish like ours has thrived."

### Enhancing Student Success

The UCR/UCLA program has also placed great emphasis on student support and enrichment opportunities. Its two signature pipeline programs, named FastStart and Medical Scholars, instill a sense of camaraderie among UCR undergraduates interested in health care careers, who support each other through peer mentoring and study groups. FastStart, a five-week summer residential experience for incoming freshmen, incorporates daily preparatory classes in math, biology and chemistry; individualized academic, career and personal counseling; and team building and recreational activities.

The Medical Scholars Program (MSP) offers opportunities to do research in UCR labs and internships with community clinics, as well as financial support for the Medical College Admission Test (MCAT), the standardized admissions test required by virtually all medical schools in the United States.

As a UCR senior and now first-year medical student, Evita Limon has been an intern with the Latino Health Collaborative at the Community Hospital of San Bernardino, working with high-risk sixth-through 12th-graders and helping with a survey of Latino patients in San Bernardino County.

"MSP is an amazing program, run by truly dedicated individuals. MSP helped change my perspective on health care and the health professional that I want to become," said Limon, who is considering the teen population and preventive care as focus areas when she becomes a physician.

According to Schiller, alumni from FastStart and the Medical Scholars Program are enrolled in such medical schools as the David Geffen School of Medicine at UCLA, UC San Diego School of Medicine and Keck School of Medicine at USC.

Providing a sturdy platform for the medical school's research enterprise is the presence of more than 100 current UCR faculty engaged in health-related research on such topics as Alzheimer's disease, doctor-patient communications, insect-vector-borne diseases, cardiovascular disease, wound-healing, health inequalities in cancer prevention and survivorship, and rural health. Additionally, a number of specialized research facilities — including a stem cell laboratory facility to begin construction this fall — provide the tools and instrumentation necessary to support and expand the biomedical research activity of faculty within and outside of the medical school.

### Collaboration Across Disciplines

Particularly important is UCR's long-standing tradition of collaboration across disciplines, born out of the campus' beginnings as an agricultural experiment station, which was multidisciplinary by necessity to address problems in Southern California's agricultural industry, according to Richard Luben, associate to the vice chancellor for research.

"We have laid the groundwork that will allow the campus to continue growing a

## Healthy Research

Frances  
Sladek, Cell  
Biology



Her research aims to interpret how a certain liver-enriched transcription factor affects the expression of genes related to several diseases, including diabetes, hemophilia and hepatitis B.





biomedically strong research program," Luben said. "There is a great deal of interaction between faculty researchers who are not in the current medical program and those in the medical program." Increasingly, the most difficult research questions in medicine are being tackled from the perspective of several scientific disciplines, Luben said, and the medical school will participate in and build on existing relationships between researchers.

In Inland Southern California, outcomes for several key health indicators are among the worst in California. For instance, out of 58 counties San Bernardino ranks third from the bottom in deaths due to coronary heart disease, with Riverside County seventh from the bottom. For deaths due to diabetes, San Bernardino County ranks 49th.

As a consequence of these and other health challenges particular to Inland

address other issues of current regional concern, such as prenatal care and infant mortality among underserved populations.

With the development of the medical school, Luben said, a wide range of significant fundamental research advances at UCR can be further developed through clinical and translational research. Translational biomedical research is a major thrust of the National Institutes of Health, the nation's principal medical research funding organization, because of its essential link between the laboratory bench and clinical trials. Some of the faculty recruited to the medical school will undertake clinical trials needed for approval of new pharmaceuticals and medical treatments by the federal Food and Drug Administration.

### Building on Existing Research

UCR's momentum in recent years developing research expertise in areas such as genomics, nanoscale science and stem cell research will provide an additional impetus to the medical school's research enterprise. Researchers in the recently launched Stem Cell Center have been awarded more than \$6 million from the California Institute for Regenerative Medicine (CIRM). That funding includes nearly \$3 million to construct a 2,000-square-foot stem cell core facility to culture and study human embryonic stem cells, which hold great promise for developing therapies to treat such diseases as Alzheimer's and Parkinson's.

The grant funding enables UCR to develop a basic research launching pad for development of new therapies based on stem cell research, the ultimate goal of CIRM, said Prue Talbot, director of the Stem Cell Center and professor in the Department of Cell Biology and Neuroscience. "CIRM wants solutions. They want the results of fundamental research to go into clinical trials."

The two-year-old Department of Bioengineering is also expected to have close connections with the School of Medicine, according to department Chair Jerome Schultz. "Typically, bioengineering programs are very closely aligned with clinical activities," Schultz said that as the department continues to grow, current expertise in molecular, cellular and tissue-level research will expand into development of new medical devices and diagnostics.

"There is a special opportunity here for

both the medical school and bioengineering to grow together synergistically," Schultz said.

The expansion of biomedical research and its potential to stimulate new technology start-up companies will likely make the Inland region a "magnetic" attraction for additional faculty researchers and R&D companies with an interest in commercializing new biomedical technologies, Chancellor White said. While the magnitude of the medical school's economic impact cannot yet be forecast, national data suggest the region's economy would experience a measurable boost. According to a recent report by the American Association of Medical Colleges, every dollar spent by a medical school or teaching hospital indirectly generates an additional \$1.30 when it is "re-spent" on other businesses or individuals.

### Meeting the Region's Needs

The unique geographic and demographic circumstances of Inland Southern California also present the opportunity for building a medical school tightly aligned with regional health care needs, but also developing innovations that will have broad application to the needs of the nation generally. The framework for addressing this aspect of the medical school mission could be a center for promotion of healthy communities, Guze said.

This focus is critically important, White said, because research data consistently show that health promotion and preventive medicine — including good nutrition and physical activity — can prevent many serious diseases and prolong lifespan, resulting in better quality of life and reduced health care costs.

It is envisioned that health services and community-based, population and epidemiological research will result in the implementation of pilot projects on disease prevention and treatment, as well as health care access and delivery systems, with the goal of institutionalizing best practices in the region's health care system.

"A commitment to improving the health of the people of the region is a unique design feature of the medical school," Guze said. 📖

## Healthy Research

Robin DiMatteo,  
Psychology



DiMatteo analyzed audio- and videotaped medical visits in her study on medical care and communication between doctors and patients. Her research has helped inform people of proper doctor etiquette and when it's appropriate to make the difficult switch to a new physician.

Southern California, the medical school will focus its research enterprise on such issues as cardiovascular diseases, insulin-resistant diabetes and metabolic syndrome, neurodegenerative diseases, and emerging infectious diseases. Various aspects of health services, public health and health care access are already investigated by UCR researchers, and these areas could be expanded to

# Health Clinic Offers Hands-on Healing

On a warm Wednesday evening in September, two meeting rooms and a foyer in Riverside's historic First Congregational Church have been converted into a medical clinic. Sixteen patients without health insurance and without homes visit the clinic after a free dinner in the church's basement.

UCR first- and second-year medical students — along with several volunteer physicians — review medical histories, perform physical examinations and discuss symptoms and treatment plans with patients. UCR undergraduate students volunteer as caseworkers.

Some patients receive free over-the-counter or prescription medications. Others are issued bus passes to visit one of several local free clinics that can treat more complex medical problems. Everyone gets a hygiene kit.

The scene is repeated twice each month at the Student Run Health Clinic, a collaboration between UCR students, the church and an Explorer Post of the Boy Scouts of America.

Now in its fourth year, the clinic provides a health care safety net to people without homes, a measure of relief to overcrowded emergency rooms and a valuable educational experience for future doctors. The clinic "shows that medical students reach out to the community. That's why I'm here," said Vanessa Correa, a first-year medical student who already holds a nursing degree.

For many students, the experience influences their future career choices, according to Jeff Zhang, a second-year medical student and vice president of the organization that runs the clinic. "By talking to patients, you get to understand better some of their problems."

A variety of common and relatively minor medical problems are treated at the clinic, including earaches, urinary tract infections, minor wounds, skin infections and respiratory infections. The clinic helps patients manage certain chronic conditions like high blood pressure, asthma and diabetes. For two patients, the clinic resulted in the timely intervention for congestive heart failure and an ear tumor, according to Richard Wing, UCR professor emeritus of chemistry and adviser to the clinic.

After initial grants from Inland Empire United Way and the Riverside Community Health Foundation, clinic expenses have been funded by private and business donations, as well as the proceeds from an annual spring banquet. As clinic services expand, additional fund-raising activities will be undertaken, Wing said.

Under the leadership of Zhang and second-year medical student Duc Do, the organization's president, the clinic has ambitions to expand its services to include basic dental care, eye screening, preventive health education and psychiatric consultation. Plans also include creating an electronic health records system and expanding referrals through collaboration with additional clinics in the region. A new program for indigent children provides back-to-school supplies, books and mentoring to encourage academic achievement.

Do said the clinic experience gives medical students a first-hand look at the different circumstances that can drive people into homelessness, such as a catastrophic illness not covered by health insurance. "By understanding their conditions, it makes you — as a leader of an organization — want to think of ways we can help them more."

The effort to add a dental clinic is headed by UCR alumna Tea Hoang, who herself hopes to become a dentist. At least half of the patients who visit the clinic have dental problems that can be addressed with regular teeth cleanings, fillings and extractions.

"We hope to get volunteer dentists to come and help these patients," said Hoang, adding that the clinic plans to launch dental services in early 2009.

Margaret Johnson, a church volunteer who assists with the clinic, said she has seen that the clinic experience is life changing for some aspiring physicians. "This helps students form bonds in the region and encourages them to return. We want them to know how much they are loved and appreciated in this community."

To find out more, e-mail [srhc827@gmail.com](mailto:srhc827@gmail.com).



UCR students Jeff Zhang, left, and Duc Do, right, help run a health clinic at the First Congregational Church.



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# A Chance to Soar and Land Safely

A new program provides financial, academic and emotional support for qualifying UCR students who have aged out of foster care.

By Bettye Miller

**L**ike many foster children, April Franco moved frequently from one home to another, her scant belongings stowed in plastic garbage bags. She lived in 20-plus homes and attended 13 high schools in barely three years. She changed schools so frequently that by the time she was 17½

and on her own, she had only 40 credits toward graduation, no family or financial support, and a 1-year-old daughter.

A college education seemed beyond her reach.

“I wasn’t in one school long enough to earn credits,” recalled the 28-year-old mother of two who is a full-time student at

UCR. “I learned in fragments. My grades were poor. I thought I was too stupid to go to college. And there were financial issues. Who was going to support me?”

Many youths leaving foster care face similar challenges, said Tuppett Yates, an assistant professor of psychology who is leading the effort to launch UCR Guardian







Scholars, which will provide financial, academic and emotional support for qualifying students who have aged out of foster care.

The program, which grew out of Yates' research that includes youth in foster care, is part of a nationwide effort to provide scholarships, life coaching, mentors, year-round housing and personalized attention to emancipated youth. Yates

Franco maintains a 3.6 GPA while juggling more than a full load of classes, a full-time job and raising her daughters, Rachel, 12, and Isabelle, 7. She has four quarters left before graduating with a major in dance and a minor in sociology. She is an outspoken advocate of youth who are aging out of the foster-care system without the kind of family and financial support most college students

"It should be," she said. "A lot of these kids are ready, they're talented and they're strong."

Franco said she did not realize she was bright enough to succeed in college until she took an online IQ test when she was in her early 20s. The results surprised, and empowered, her. She enrolled at Riverside Community College, where she attended classes part time for three years and rediscovered her passion for dance. An instructor there urged her to apply to UCR, where she and her daughters qualified for family housing.

She's blessed, she said, with "an amazing emotional support network" of friends, church and a supportive boyfriend. But she takes as many as 24 units a quarter trying to finish her degree requirements before her financial aid runs out. "There's no room for error," she said.

In California, about two-thirds of youth leaving foster care do so without a place to live. Studies show that foster youth with multiple placements are five to 10 times more likely to become involved with the juvenile justice system than youth in the general population, Yates said. One-fourth of former foster youth will be incarcerated within the first two years after aging out of the system, she said.

UCR Guardian Scholars ultimately will serve about 40 students each year, starting with about four students this fall. "These are kids with fragmented histories who

"Living in foster homes is an unsettling feeling of not belonging. Foster kids don't feel like they're allowed to be normal kids."

April Franco  
UCR Dance Major

studies risk and resilience among high-risk youth, including those in foster care and those who have aged out of the system. "These kids have no safety net, and they have disproportionate needs," Yates said.

Among the nearly 4,500 freshmen entering UCR this fall are 55 students who have identified themselves as having been in foster care, Yates said. Not all are eligible for UCR Guardian Scholars, which specifically targets youth who are emancipating from the system and have little social, emotional or material support.

Franco, who does not qualify for state and federal aid programs for former foster youth because of her age, said a program like Guardian Scholars would have significantly changed her life.

"You're behind when you get to school. You have to make up work," she said. "If more financial resources are in place you can take fewer units and have a life outside of school, and when the car breaks down or you get laid off you have something to fall back on. I have nobody to fall back on."

take for granted. And she hopes for a career in Riverside County's Independent Living Program for former foster children.

About 70 percent of foster youth say they want a college education, but only 10 percent enroll, and only 1 percent earn a degree, Yates said. Nationally, about 70 percent of students who participate in the Guardian Scholars program graduate in four years.

Most foster youth in the Inland area don't know that attending UCR is an option, Yates said.



"These are kids with fragmented histories who don't need a fragmented education."

Tuppett Yates  
Assistant Professor of Psychology

don't need a fragmented education," Yates said. "UCR Guardian Scholars will offer them a comprehensive and cohesive educational experience to help them reach their potential."

Guardian Scholars started in 1998 at California State University, Fullerton, and operates at more than 20 universities in California, Washington, Indiana, Colorado and Massachusetts.

More than 40 faculty and staff are involved in developing the UCR program, with key leadership positions held by Yates; Audrey Pusey, assistant director for residence life; Katina Napper, director of academic personnel; Louise Jones, Cal Grant coordinator; and Cynthia Moon, a graduate student in psychology who is a head resident in a campus residence hall.

An anonymous donor has committed to a challenge grant of \$10,000 to help fund summer housing, scholarships, books, food and emergencies for Guardian Scholars participants, said Jan Opdyke, executive director of scholarships and alumni reunions. More than 200 people attended an August fund-raising event, which generated \$4,700 in matching gifts, she said.

"This is a most generous gift in support of these students," Opdyke said of the challenge donation. "Every dollar given to Guardian Scholars will be matched by this donor, dollar for dollar."

UCR Guardian Scholars will make a significant difference in the lives of students leaving foster care, said Franco, who has testified before the California Legislature about the needs of children and youth in foster care. She plans to mentor a freshman dance major who is in the program this fall.

"Living in foster homes is an unsettling feeling of not belonging," Franco said. "Foster kids don't feel like they're allowed to be normal kids. You're not allowed to make the same mistakes as normal kids. You never know when you'll be sent away for minor things. Programs like Guardian Scholars give us a chance to experience what normal people do and make us feel that we can be normal members of society." ❏

For more information about UCR Guardian Scholars contact Tuppert Yates at (951) 827-4991 or [tuppert.yates@ucr.edu](mailto:tuppert.yates@ucr.edu). To make a contribution, make checks payable to UC Foundation, GS Foster Youth Fund, and send them to Jan Opdyke at 1150 University Ave., 110A Highlander Hall, Riverside, CA 92521, or contact her at [jopdyke@ucr.edu](mailto:jopdyke@ucr.edu), (951) 827-5676.



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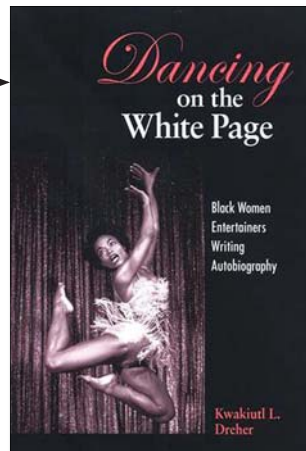
# From Our Library

UCR authors explore the past and present, pests and plants, poetry and people

**Dancing on the White Page: Black Women Entertainers Writing Autobiography**  
By Kwakiutl L. Dreher ('01 Ph.D.)  
SUNY Press  
January 2008, 225 Pages

"Dancing on the White Page" examines the lives of six well-known Black women entertainers — Diahann Carroll, Dorothy Dandridge, Lena Horne, Eartha Kitt, Whoopi Goldberg and Mary Wilson. Dreher explores the stories of African American self-determination imbedded in the narrative of these women's lives, along with their fight for liberation from oppression and racial and gender discrimination

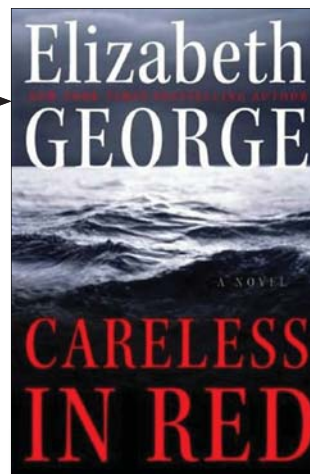
Dreher is a professor of English at the University of Nebraska-Lincoln.



**Careless in Red**  
By Elizabeth George ('70)  
Harper  
May 2008, 640 Pages

In "Careless in Red," Elizabeth George brings her readers back to the story of Thomas Lynely, the Scotland Yard detective whose pregnant wife was murdered in George's 2005 novel, "With No One as a Witness." While hiking along the coast of Cornwall in an attempt to find relief from his sorrow, Lynely comes across the body of Santo Kerne. When the local police determine his death was the result of murder, Lynely is drawn into the investigation against his will and thrust back into the world that, in his grief, he had hoped to leave behind.

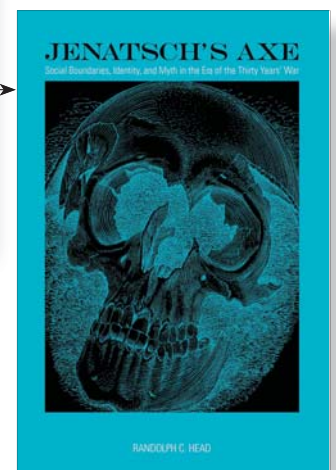
George is an internationally recognized mystery writer and New York Times best-selling author.



**Jenatsch's Axe: Social Boundaries, Identity, and Myth in the Era of the Thirty Years' War**  
By Randolph C. Head  
University of Rochester Press  
June 2008, 177 pages

Randolph C. Head traces the career of George Jenatsch (1596-1639), a Protestant pastor's son who went from the clergy to the military to nobility. A passionate Calvinist in his youth, he converted to Catholicism and prudence as his power grew. Violence marked every turning point of his life. After fleeing the Holy Massacre of Protestants in the Valtellina in 1620, Jenatsch helped assassinate the powerful Pompeius von Planta in 1621, using an ax. He killed his commanding officer in a duel in 1629, and his own life ended in a tavern in 1639 when he was murdered with an ax by a man dressed as a bear. After his death, rumors spread that Jenatsch was killed by the same ax that he had wielded on von Planta.

Head is an associate professor of history.



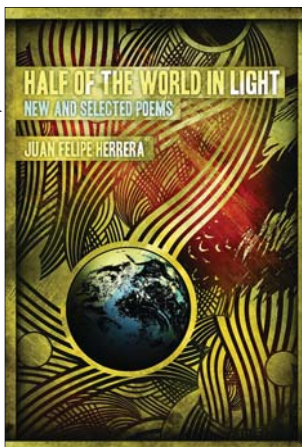
These books are available for purchase at the UCR Campus Store and online at [www.ucrcampusstore.ucr.edu](http://www.ucrcampusstore.ucr.edu). They have been discounted up to 30 percent.



Half of the World in Light: New and Selected Poems  
By Juan Felipe Herrera  
Camino del Sol: A Latina and Latino Literary Series  
July 2008, 288 pages

Beginning with early material from "A Certain Man" and moving through 13 of Herrera's collections into new, previously unpublished work, this assemblage also includes an audio CD of the author reading 24 selected poems. Serious scholars and readers alike will now have available to them a representative set of glimpses into his production as well as his origins and personal development. The ultimate value of bringing together such a collection, however, is that it will allow us to better understand and appreciate the complexity of what this major American poet is all about.

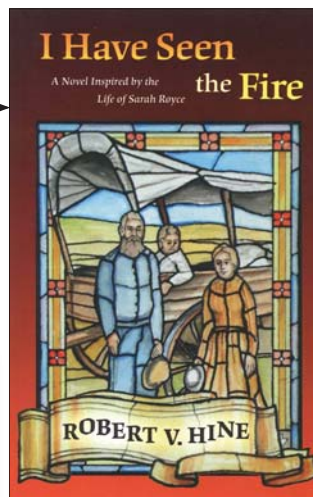
Herrera is a professor of creative writing.



I Have Seen the Fire: A Novel Inspired by the Life of Sarah Royce  
By Robert V. Hine  
University of New Mexico Press  
June 2008, 142 pages

This story of Sarah Royce and her Gold Rush journey to California brings depth and passion to a woman known only through her journal, "A Frontier Lady." Hine probes Sarah's stern piety to reveal her moral and physical struggles. The harsh physical realities of poverty, disease, fire, flood and childbirth are enlivened with passionate love, a mysterious murder and a vicious lynching.

Hine is a professor emeritus of history.

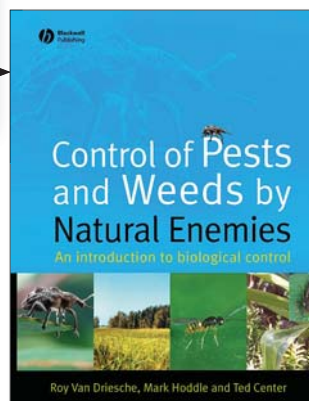


Control of Pests and Weeds by Natural Enemies  
By Mark Hoddle, Roy Van Driesche and Ted Center  
Wiley-Blackwell  
May 2008, 484 pages

Accelerated invasions by insects and the spread of weedy non-native plants in the last century have increased the need for the use of biological control. Use of carefully chosen natural enemies has become a major tool for the protection of natural ecosystems, biodiversity and agricultural and urban environments.

This book offers a discussion on two major applications of biological control: permanent control of invasive insects and plants at the landscape level, and temporary suppression of both native and exotic pests in farms, tree plantations and greenhouses.

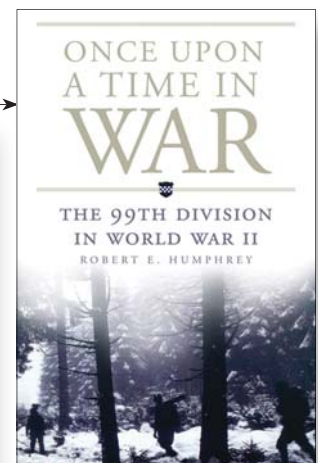
Hoddle is a biological control specialist for the Department of Entomology.



Once Upon a Time in War: The 99th Division in World War II  
By Robert E. Humphrey ('63)  
University of Oklahoma Press  
September 2008, 376 pages

"Once Upon a Time in War" presents a stirring view of combat from the perspective of the common soldier. Author Humphrey personally retraced the path of the 99th Infantry Division through Belgium and Germany and conducted extensive interviews with more than 300 surviving veterans. The 99th Infantry Division repelled the Germans in the Battle of the Bulge and engaged in some of the most dramatic, hard-fought actions of the war. These narratives create a collective biography and offer a reenactment of World War II from the enlisted man's point of view.

Humphrey is professor of communication studies at California State University, Sacramento.

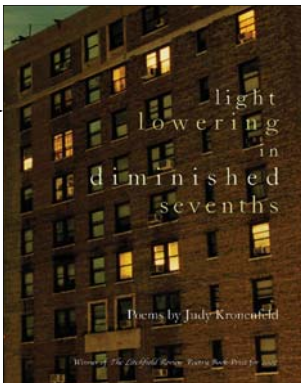


**Light Lowering in Diminished  
Sevenths**

By Judy Kronenfeld  
The Litchfield Review Press  
June 2008, 110 pages

In this collection of poems of memory and aging, Kronenfeld writes of the world savored by those who sense how easy it is to lose. The poems, even when they don't mention light at all, are filled with clear air, clarity of thought and complementary radiances of remembrance and imagination.

Kronenfeld is a lecturer in creative writing.

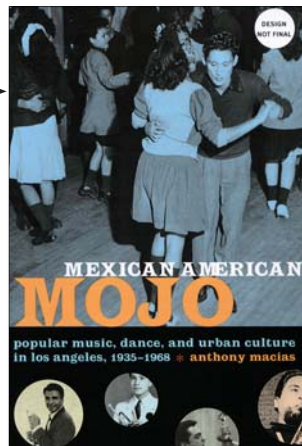


**Mexican American Mojo:  
Popular Music, Dance and  
Urban Culture in Los Angeles,  
1935-1968**

By Anthony Macias  
Duke University Press  
October 2008, 392 pages

Stretching from the years during World War II when young couples jitterbugged across the dance floor at the Zenda Ballroom, through the early 1950s when tenor saxophones could be heard at the Angelus Hall, to the Spanish-language cosmopolitanism of the late 1950s and early 1960s, Mexican American Mojo is an account of Mexican American urban culture in wartime and postwar Los Angeles as seen through the evolution of dance styles, nightlife and, above all, popular music.

Macias is an assistant professor of ethnic studies.

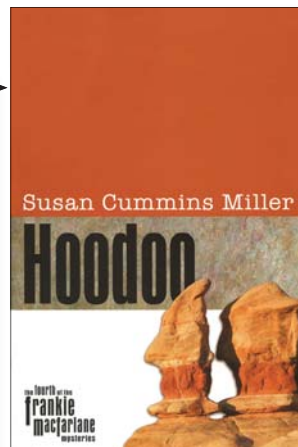


**Hoodoo**

By Susan Cummins Miller ('75)  
Texas Tech University Press  
March 2008, 292 pages

Geologist Frankie MacFarlane, her students and an old friend and local rancher find an executive's body in a clearing among the volcanic hoodoos of Chiricahua National Monument. And that night, near Paradise, on the eastern side of the mountain range, someone kills an ethnobotanist, a walker and puzzle maker who hadn't spoken in years. When Frankie and her friends become suspects, she must decipher interlocking puzzles to clear their names and to find the killer, or killers, before they strike again.

Miller is a research affiliate of the Southwest Institute for Research on Women at the University of Arizona.

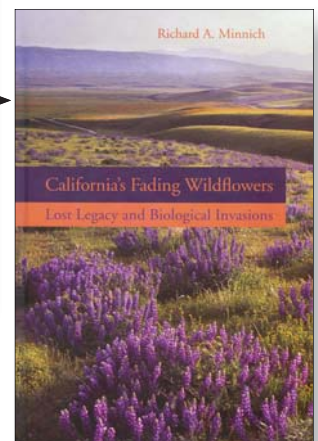


**California's Fading Wildflowers:  
Lost Legacy and Biological  
Invasions**

By Richard Minnich  
University of California Press  
June 2008, 360 pages

Minnich's book gives a detailed account of how California's flora has changed since the arrival of Spanish explorers in the state in the 18th century. It explains how the landscape of Hispanic California, the southern two-thirds of the state, was steadily transformed after humans introduced invasive plant species that have destroyed the native flora, resulting in bad pastures and fire hazards. He emphasizes the need for California's policymakers to keep a big picture of the state in mind by understanding how the land behaves in order to restore the landscapes and preserve our flower heritage.

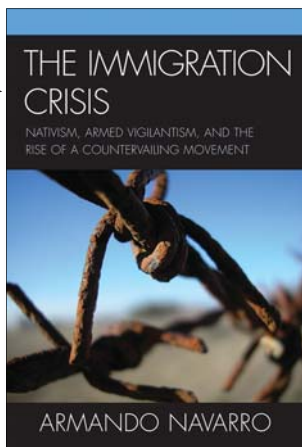
Minnich is a professor of geography.



The Immigration Crisis: Nativism, Armed Vigilantism, and the Rise of a Countervailing Movement  
 By Armando Navarro  
 Altamira Press  
 October 2008, 528 pages

Navarro looks at 400 years of immigration into the territories that now form the United States, paying particular attention to the ways in which immigrants have been received. The Immigration Crisis provides a political, historical and theoretical examination of the laws, organizations, events and demographics that have shaped four centuries of immigration and led to the widespread social crisis that today divides citizens, non-citizens, regions and political parties. In a sobering conclusion, Navarro argues that the immigration crisis is inextricably linked to the globalization of capital and the American economy's dependence on cheap labor.

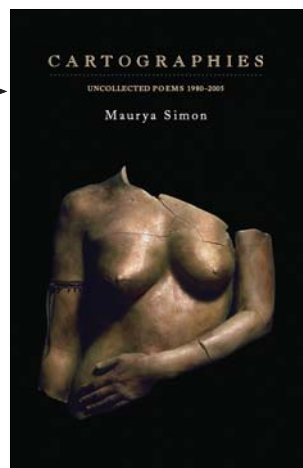
Navarro is a professor of ethnic studies.



Cartographies  
 By Maurya Simon  
 Red Hen Press  
 September 2008, 104 pages

The poems in "Cartographies" travel new territory, exploring the heart's changeable cartography and the soul's uneven terrain. Divided into four sections — the Soul, the Self, Mountains, the City — "Cartographies" investigates and fathoms our most profound relationships with time, nature, love and death. In poem after poem, Simon finds meaning in unexpected locales, from a hospital AIDS ward to the "Rorschach" on a butterfly's wings to a barrio bakery. With great clarity and eloquence, these poems record and dramatize the persistent paradoxes present in our daily lives, those interstices of yearning and mourning, fear and celebration or anguish and amazement that reveal the deep wells and turbulence of human consciousness.

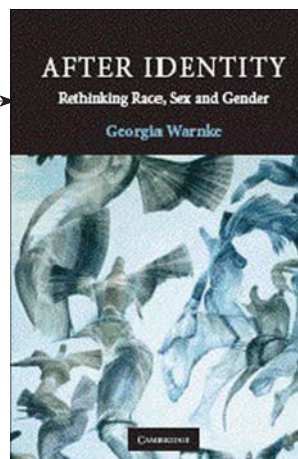
Simon is a professor of creative writing.



After Identity: Rethinking Race, Sex, and Gender  
 By Georgia Warnke  
 Cambridge University Press  
 January 2008, 266 pages

Social and political theorists have traced in detail how individuals come to possess gender, sex and racial identities. Warnke argues that identities, in general, are interpretations and can have more textual understanding than is commonly acknowledged. The book considers the legal and policy implications that follow gender, racial and sexual identification for affirmative action, childbearing leave, the position of homosexuality in the military and marriage between same-sex partners.

Warnke is a professor of psychology.



Also published:  
 Songs of Innocence and of Experience  
 Edited by Robert N. Essick  
 Professor Emeritus of English  
 Huntington Library Press  
 September 2008, 176 pages

The Einstein Sisters Bag the Flying Monkeys: A Political Satire about Christian Zionism in Bush's America  
 By Irving Wesley Hall ('59/'70 M.A.)  
 Not In Kansas Press  
 April 2008, 614 Pages

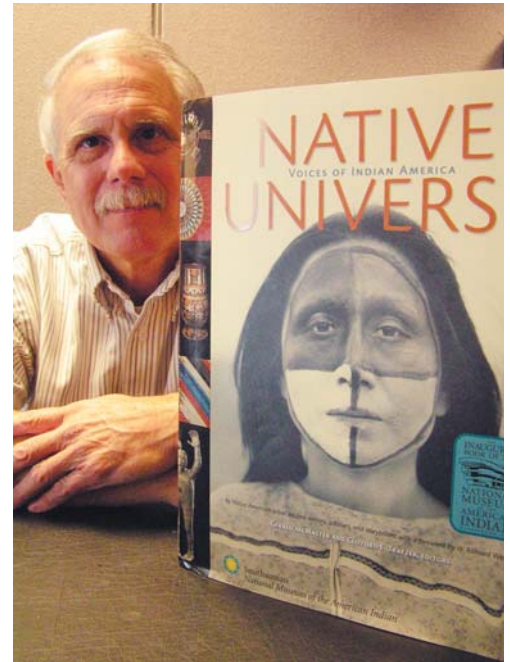
An Introduction to the Sociology of Work and Occupations  
 By Rudi Volti ('67)  
 Pine Forge Press  
 December 2007, 296 Pages



# Getting to the Heart of Native American Health

Doctors who train at UCR's medical school will have a unique opportunity to work with the local Native American population.

By Clifford E. Trafzer



The University of California established its Riverside campus in the heart of American Indian country. Cahuilla and Serrano Indians live in the immediate area, while Chemehuevis, Mojaves and Quechans inhabit areas to the east. Luiseños, Cupeños and Kumeyaay live immediately to the south, while Tongva-Gabrielenos, Chumash and Acjachemen reside west of UCR.

Thousands of urban Indians live in the Inland Empire and adjacent areas. Over the years, the faculty and administration at UCR have established relations with American Indian tribes.

During the planning stages of the campus' medical school, officials at UCR consulted with health professionals working with Indian people. The California Center for Native Nations at UCR hosted a meeting with those directly involved in Indian health care and organized a separate meeting with Dr. Grace Song and the staff at the Morongo Indian Health Clinic that supervises several Indian health clinics.

This opened a new chapter in UCR's relationship with Native Americans.

Doctors trained at UCR's School of Medicine will have a unique opportunity to work with American Indian people as

they execute their clerkships and research projects. They will reach out to underrepresented communities on and off reservations, creating stronger bonds between native nations and UCR.

As the curriculum develops, there will be opportunities for doctors to learn about past problems of American Indians, ranging from smallpox, measles and tuberculosis, to contemporary issues of type 2 diabetes, suicide and obesity. This is important because past historical policies such as reservations, removals, suppression of healers and destruction of Indian economies all influence Indian health today.

In the past, the Office of Indian Affairs' medical division had little success stemming high death rates among the tribes, but health improved among American Indians of Southern California with the expertise of public health nurses and the Indian Health Service, a branch of the Public Health Service. Indian health will improve to a greater degree with the help of UCR's School of Medicine and the direct involvement of our physicians.

Doctors trained at UCR will be able to draw on the diverse faculty at UCR to learn about American Indian cultures and other diverse peoples that the new physicians will serve. Professors of history,

English, ethnic studies, dance, music, anthropology and others have in-depth knowledge of Inland area cultures, and they will help guide medical students in their clerkships and research projects.

American Indian populations in our region are in great need of doctors, especially Native American doctors whom we will train. Native Americans need doctors who will learn about American Indian cultures and communicate effectively and sensitively with them about their beliefs regarding disease causation, progression and traditional cures.

American Indians practice holistic methods of medicine, including the use of herbal medicines, prayers, songs and other healing ways. Our medical doctors will have an opportunity to extend their scientific knowledge to learn about diverse cultures and use their integrated knowledge to serve Native Americans and many other underrepresented people living in the inland areas of Southern California. ❧

*Clifford E. Trafzer, the Costo Professor of American Indian Affairs, is of Wyandot and German ancestry and has spent his life working with American Indian communities in Oklahoma, Arizona, Washington and California.*



## Profile in Giving

Listed as one of the Best Doctors in Portland for several years, UCR alumnus Chuck Douville ('79) embodies a successful life — senior partner in his four-person cardiothoracic surgery practice; former chair of the Department of Surgery and medical staff president at Providence Portland Medical Center; happily married with four children. And he plays a mean game of hockey.

### Assist Credit given to a player who helps set up a goal

"I love my profession and am very grateful to those who have made it possible. Physicians have a responsibility to serve and give back to society. It's been my pleasure to give back to support UCR's new School of Medicine, which will bring much good to many people."

### Teamwork The key to success

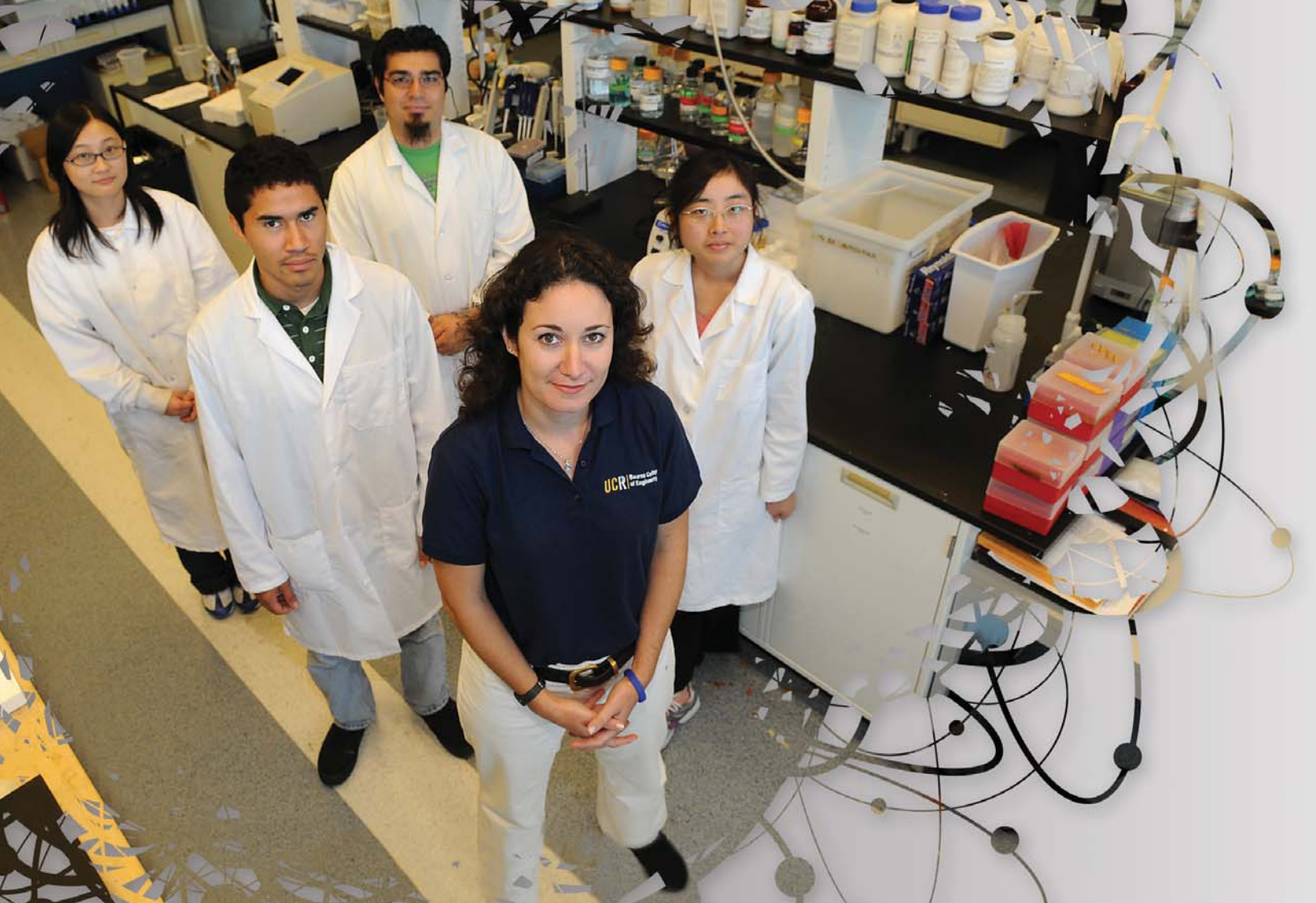
"On the ice and in life, in the classroom and in the operating room, with my partners at the Oregon Clinic and my family at home, teamwork has played a defining role in my life, providing the challenge, support and inspiration. Early on, UCR helped equip me with the skills I needed both to lead and to facilitate leadership."

### Hat Trick When a player scores three goals in one game

"Scoring big requires smart planning, collaboration and the support of colleagues, family and friends. I'm excited to help UCR train new generations of physicians, invent new technologies and discover new treatments for today's diseases. The future is what we make it."



E. Charles Douville, M.D.



# Exploring the Possibilities

Sharon Walker is passionate about opening doors to the future in her research laboratory.



## By Pat Murkland

If you want to visit one place on campus that shows the essence of UC Riverside, you might step into Sharon Walker's water-quality research lab in the Department of Chemical and Environmental Engineering.

Here you can find UCR's own definition of itself — and its visions for the future, a university that:

- Breaks ground, taking science and engineering doctoral research in new directions.
- Explores ways to improve life in Inland Southern California, the nation and the world.
- Reflects California's diverse cultures.
- Reaches out to the nation's future scientists and engineers, especially those faces not usually found in laboratories.
- Mentors at all levels, keeping a small-school feel in a campus that is rapidly expanding.
- Is actively shaping the region's future.

Walker, an assistant professor and the John Babbage Chair in Environmental Engineering, has been combining high-level grant research with outreach programs to achieve new successes. Just ask the undergraduate and two-year college students who have been doing ground-breaking research in her bacterial adhesion research laboratory.

They get hooked on science and engineering. When the students hold test tubes in the lab, they also hold the promise of a vibrant and diverse future national work force.

Jose Avila, a 2006-07 participant of the Building Bridges Across Riverside program now studying industrial engineering at Cal Poly Pomona, wrote in his diary: "The working experience that I gained has changed my perspective of life."

## Breaking Ground

The projects of these students are not just smoke and mirrors; they're real. And they're big.

Recent outbreaks of E. coli and Salmonella sickened hundreds of people, grabbed national headlines, and set new worries about safe food and drinking water on American dinner tables. The water-quality research projects in Walker's laboratory are helping to seek answers that will better protect the nation's food and water supplies. Most work is funded through the U.S. Department of Agriculture and other water-quality research grants.

As Walker gave a tour of her laboratory, she said the work focuses on two types of particles that can be public health hazards. These are bacterial pathogens (specifically, E. coli and Salmonella) and nanoparticles, which she explained are an emerging contaminant — and a challenging one — since they are smaller than bacteria and more difficult to detect.

## Improving Public Health

While most people may envision incubators as a medical tool for good health, these incubators grow bacteria for experiments. The laboratory sleuths

explore how these particles behave and how they travel through water, soil and the environment.

For example, bottles of mixed water and sediment fuel experiments that mimic groundwater. How do the particles behave when beset by certain obstacles? How do they change and adapt? How do they interact with different types of surfaces? How fast can they travel under different temperatures and conditions? What kills them? The pathogens' fate is measured by machines that

include a sophisticated centrifuge bigger than some microwave ovens.

Once the researchers better understand pathogens and nanoparticles, they can figure out how to safely remove them, Walker said. This would apply to wherever the particles are, such as in groundwater or wastewater treatment systems — or before they reach someone's dinner plate.

## Reflecting Diversity

When Walker first came to UC Riverside in 2005, she said she was the first and only woman in her department. Her background includes two Bachelor of Science degrees, in environmental engineering and environmental sciences, received in 1998 from the University of Southern California, and a Master of Science degree in chemical engineering and Ph.D. in environmental engineering from Yale University.

She has served as a role model while she has been busy bringing in students with faces traditionally underrepresented in science and engineering labs.

Walker said she came to UCR for that combination of high-quality research and outreach. A study published by the Education Trust, a nonprofit organization

"The working experience that I gained has changed my perspective of life."

Jose Avila  
Building Bridges Across Riverside participant

in Washington, D.C., found that UCR is one of America's most successful institutions for graduating underrepresented minorities.

Last year more than 10 nations were represented in the lab.

## Reaching Out

Science and Engineering Indicators, 2004, a joint report of the National Science Board and the National Science Foundation, reported that women make



up nearly half of the college-degree work force in America, but less than 25 percent of the science and engineering work force. African-Americans account for less than 7 percent. Hispanics have one of the smallest numbers, 3.2 percent.

Several UC Riverside programs are working to change those numbers.

The programs include:

- Building Bridges Across Riverside Through Water Quality Research, funded through the U.S. Department of Agriculture. Riverside Community College students spend the summer in dormitories and receive a salary for their research work in a UCR laboratory. The \$294,000 three-year program began its third year over the summer with 2008-09 participants Melissa Reimer, whose interest in biology is accompanied by a strong passion for horses, and Karynn Kirby, who is focused on public health issues. They are working on USDA-funded research that Walker began last fall with Assistant Professor Jane Hill of the University of Vermont. They are studying how pathogens can swim and move in water. Walker and Heather Smith, Riverside Community College (RCC) professor of life sciences, are the students' mentors and role models. More coaching comes from members of the UCR chapter of the Society of Hispanic and Professional Engineers and the National Society of Black Engineers, as well as UCR Ph.D. students.
- MY BEST @ UCR, funded with a \$561,000 year-round mentoring grant from the National Science Foundation. It is based on the model of the Building Bridges program. It recently began with three UCR undergraduate students and two RCC students teamed with mentoring faculty.
- BRITE, a National Science Foundation-funded Research Experiences for Undergraduates program introducing

undergraduates from around the country to bioengineering research at UCR, for which Walker is a student mentor. James Gutierrez of Moreno Valley, transferring this fall from RCC to UCR to pursue studies in environmental engineering, is one student who already seems addicted to the Bacterial Adhesion Research Laboratory. The BRITE program introduced him to research and opportunities in engineering.

- UC Leads, a University of California systemwide program, which pairs graduate-student mentors with undergraduates. UC Leads is directed by the Graduate Division. Berat Haznedaroglu, a Ph.D. student in the UCR Bacterial Adhesion Research Laboratory, directly mentors students in UC Leads and the other programs mentioned.

### Mentoring at All Levels

Pausing from his laboratory work, Haznedaroglu said, "The idea is to expose them to this field, so they are doing it. It's totally hands-on. They can feel that fun."

A beeping alarm from an experiment took him away temporarily. He returned to say that students also learn how to manage their time and their work. In mentoring them, so does he.

And, said Haznedaroglu, who wants to pursue an academic career, they ask good questions that sometimes prompt him to look for answers in new directions.

Students get individual attention and also meet regularly with Walker.

### Shaping the Region's Future

The students also deliver papers at conferences.

"They learn how not to just do research but also how to explain what they're doing in a meaningful way," said Walker.

Troy Ezeh agrees. Wearing a shirt with the logo of the National Society of Black Engineers, Ezeh said that when he first came to UC Riverside to study science, "I wasn't sure I wanted to stay with it."

He found the water-quality lab a bit overwhelming. But as he collected samples and measured results, he began enjoying the different techniques he learned from his mentors.

His turning point came the first time they analyzed his data. Interpreting the results, and understanding them, gave him the joy of scientific discovery. His work was making a difference. The research became exciting, said Ezeh, and he saw nothing but possibilities ahead.

Now in his fifth and last year in environmental engineering studies, Ezeh is applying to several graduate schools. He came to the lab to discuss with Walker where his research work will take him this year.

When asked what he would tell others, he said: "This research experience is one of the best experiences to ever have."

And that's the goal, Walker said: To help the students continue to graduate school, and then beyond.

Eventually, she said, they will enhance the national work force of scientists and engineers, adding the creativity that diversity brings.

Consider Juan Lucio of Hemet. The first member of his extended family to attend a university, he came from RCC through the 2007-08 Bridges Across Riverside program and found himself working long, extra hours in the lab. He's now transferred to UC Irvine, where he will double-major in chemical engineering and materials science engineering.

After presenting his research in Washington, D.C., at the Hispanic Serving Institutions Student Leadership Conference in January this year, Lucio wrote, "I am extremely focused on leading the way for Hispanic people in science-related fields. ... I've learned that through hard work and determination anything is possible. I hope that through my direction I can set an example for others to follow so that we may better our society and our future." ❧





Photo by Sarah Allison

Science fiction icon Ray Bradbury (center front), as well as other science fiction authors and international scholars, explored the role of Mars in science fiction literature at the Eaton Science Fiction Conference held on campus May 16-18. Approximately 400 people attended the conference, including science fiction author Frederik Pohl who spoke at the event. Organizers hope that the conference will continue to be held at UCR. Bradbury is pictured here with conference organizers.



Photo by Steve Walag

Last spring four of the five UCR head baseball coaches gathered with players, alumni, parents, fans and friends to celebrate 50 years of baseball. From left to right are current Head Coach Doug Smith ('75) and former head coaches Jack Smitheran, Don Edwards and Lyle Wilkerson. George Pearson, who led the Highlanders from 1958-59, was not present. To see a slide show of the event, visit [www.ucrmagazine.ucr.edu](http://www.ucrmagazine.ucr.edu).



# OPERATION SCHOLARSHIP

By Litty Mathew



**JOHN AND CAROL FIACCO**

**Mission:** Help military veterans finish their college education.

## The Secret Weapon:

A \$25,000 donation from John ('70) and Carol Fiacco. John is an international businessman and investor with a degree in sociology and statistics.

Helping others get an education was a top priority for John and Carol. The Fiaccos approached the UCR Alumni Association with a special request: Let's make sure returning veterans continue their education. As active-duty troops and reservists start and stop their education, especially during

wartime, staying on track becomes a challenge.

Working with Kyle Hoffman, assistant vice chancellor for alumni and constituent relations, the Fiaccos provided scholarships to four veterans studying at UCR after active duty. Their inspiration: family members — a father, an uncle, cousins — who served in the armed forces.

"These students have gone through a lot," says John. "I don't think anyone will say they don't deserve help to meet their goals."

## The Veterans:



**OMAR AND ZAIMA GONZALES WITH SON, DAVID**

### Student 1:

Omar Gonzales, 30, has some days when he feels too old for school. A full-time married student with a child, juggling his life and an education, Gonzales felt the weight on his shoulders. "I'm putting everything into it so that I

can provide a better future," he says.

The veterans scholarship helps this former Marine Corps motor transport operator meet gaps in his budget year-round. This fall, he starts his senior year in business administration.

### Student 2:

At 28, Zaima Gonzales graduated with a bachelor's degree in business administration. Married with a 5-year-old son, David, the GI Bill helped her get her B.A. but wouldn't help her further her education.

Gonzales was a hospital corpsman in the Marine Corps. "I helped make sure Marines and sailors were physically and mentally able to carry out their mission."

The veterans scholarship lets her carry out her mission: the UCR M.B.A. program, where she'll study international trade. She'll use the money to offset tuition.



Photo by Peter Phun

**Student 3:**

Richard Linebaugh, 36, has always been fascinated with American history, his major at UCR, where he is a senior. Linebaugh spent three tours in the Middle East as part of the U.S. Army infantry. In three years, he was involved in more than 300 combat patrols and 50 medical camps to help Iraqi patients.

"The veterans scholarship and the GI Bill have helped me concentrate on school full time."

When he completes his degree, he'd like to work for Riverside County as a probation officer.



Photo by Gabriel Acosta

**RICHARD LINEBAUGH**

Photo by Gabriel Acosta



**NICHOLAS NEWTON**

**Student 4:**

Nicholas Newton is a 31-year-old who works as a teacher at an elementary school in the Barstow Unified School District. Two days a week, he commutes to UCR to further his education. Five years in the infantry, including active duty in Kosovo in 2001 working with nonprofit agencies and children's charities, fixing schools and building clinics, crystallized his decision to get a degree in special education.

"I believe in being of service to those who don't get noticed as much as other populations."

Without his veterans scholarship, Newton might not have gone back to school this year.

## ALUMNI CONNECTION



## Get Involved

The UCR Alumni Association supports campus activities and events and assists current students in their academic and career paths. The association provides alumni opportunities to promote the growth and prestige of UCR through its various programs, such as student recruitment, legislative advocacy, scholarship selection and networking activities.

To serve on the board, individuals must be graduates of UCR and current members of the UCRAA.

Applications are available online at [www.alumni.ucr.edu](http://www.alumni.ucr.edu) or by contacting the Alumni Association. Deadline to apply is Jan. 5.



## Nominations Sought for Alumni Awards

The UCR Alumni Association continues to recognize alumni who have made a difference in the lives of others through outstanding professional, personal and community contributions. Help us identify alumni who have these qualities by submitting a nomination.

Nominations are now being sought for the 2009 awards in the following categories:

Distinguished Alumnus Award, Alumni University Service Award, Alumni Community Service Award, Alumni Public Service Award and the Outstanding Young Alumnus Award.

Recipients will be honored at the 23rd Annual Alumni Awards of Distinction Banquet, which will be held in the fall of 2009. Nomination forms and more information on each award category are available at [www.alumni.ucr.edu](http://www.alumni.ucr.edu).



How to contact the UCR Alumni Association:  
(951) UCR-ALUM (827-2586) or (800) 426-ALUM (2586)  
[ucralum@ucr.edu](mailto:ucralum@ucr.edu)  
[alumni.ucr.edu](http://alumni.ucr.edu)

For more information about these and other alumni events, visit [www.alumni.ucr.edu](http://www.alumni.ucr.edu)



## Travel with Friends

The UCR Alumni Association provides exciting travel opportunities to explore the globe with your fellow alumni and friends. Delight in the scenic grandeur of the Amalfi Coast, May 27-June 4. Or take a cruise and rail expedition through the heartland of Europe, June 26-July 6. Discover the beauty of America's "Last Frontier" aboard an Alaska cruise on the six-star Seven Seas Mariner, July 1-8. Or live "la dolce vita" in Italy's magnificent Lake District, Sept. 8-16.

Contact the UCR Alumni Association to request a detailed travel brochure. Then pack your bags and enjoy the fun!



## 2.6-7

### Hold the Date: Homecoming 2009 Come Play, Come Celebrate, Come Home

Homecoming is a time to remember, rekindle friendships and return to your alma mater. Alumni, parents, students, friends and family are invited for the fun and festivities. Events include a political science reunion with a tribute to Ron Loveridge, associate professor of political science and mayor of the city of Riverside; men's basketball player annual reunion; Back to Class presentations by UCR faculty; a hike to the "C"; a bonfire; a Parents Association breakfast; college alumni events; a basketball homecoming game against UC Davis; and HEAT 2009 Music Fest.

[www.alumni.ucr.edu/homecoming](http://www.alumni.ucr.edu/homecoming)



## 2.19

### Alumni Association Winter Quarter Meeting

Executive Committee Meeting, 1:30-3 p.m., Alumni and Visitors Center, Benefactors Conference Room; UCR Alumni Association Board Meeting, 3-6 p.m., Alumni and Visitors Center, Johnson Board Room.

## 50s

'58 [Charles Field](#) served as the chairman of the 22-member task force that was tasked with overseeing the expansion of downtown Riverside's library and Metropolitan Museum. He was a judge in Riverside County Superior Court until retiring in 2004.

'58 Bob Dodd and Carla (Hunter) Dodd ('58) celebrated their 50th wedding anniversary in June. They met as freshmen at UCR and have continued their involvement with UCR since graduation.

## 60s

'66 Manuela Sosa has retired from her career as a dentist and continues to work with Inland Empire Scholarship Fund, the nonprofit she founded to give scholarships to college students and graduating high school seniors. '67 Rick Greenwood is director of corporate environment, health and safety at Southern California Edison Co. Rick is also an adjunct professor of epidemiology in the School of Public Health at UCLA.

'68 [Rose Marie Dishman](#) ('71 Ph.D.) is a candidate for a position on the Palomar College Board of Trustees. She spent 15 years as a faculty member and professor at United States International University, where she taught physics, math and engineering. In 1992, she was hired as dean of academic affairs at DeVry Institute of Technology, and was promoted to president within a year. After DeVry expanded to include a school of management, Rose Marie became regional president of the renamed

DeVry University and helped start campuses in Long Beach and Sherman Oaks. She retired in January 2008 and resides in Poway.

'69 [Derick Brinkerhoff](#) ('75 M.Admin.) was appointed to the experts group of a new international initiative, the Partnership for Democratic Governance. Jointly formed by the Development Assistance Committee of the Organization for Economic Co-operation and Development and the United Nations Development Program, the Partnership for Democratic Governance aims to assist partner countries in the developing world with the provision of short-term expertise to fulfill core government functions and services. Derick is a senior fellow in international public management at RTI International. He is an internationally recognized practitioner and scholar in the field of public management and holds a faculty associate appointment at the George Washington University School of Public Policy and Public Administration ... Forrest "Woody" Mosten is an attorney who specializes in mediation to settle disputes. He is the author of three mediation books. His practice takes him around the globe training prospective mediators in the art of conflict resolution. He recently spoke at UCR at the inaugural address of the "Forrest S. Mosten Conflict Resolution and Peace Studies Lectureship," an annual event that he funds ... [Bruce Shepard](#) ('70 M.A., '72 Ph.D.) is Western Washington University's 13th president. He was chancellor of the University of Wisconsin-Green Bay since November 2001. He came to the



6,100-student Green Bay campus from Eastern Oregon University, where he was provost and a professor of political science. Before that, he spent 23 years at Oregon State University in the political science department. Bruce is an avid sailor whose work focuses on American government, public policy and policy analysis, research methods, and environmental and natural resource politics and policy. He has published widely and is active in numerous professional and community organizations locally and nationally.

## 70s

'70 [Jim Bird](#) has served as a science librarian for the last 30 years. He is currently at the University of Maine, Orono. He was previously at the University of Maryland, College Park, and the Center for Long Term Research in Lincoln, Mass. ... [John Remkus](#) was appointed as city manager for the city of West St. Paul, Minn., in April. He began his municipal finance career in 1976 as the assistant finance director for the city of Shoreview, Minn. John served as the finance director for the city of West St. Paul from 1981 until his current appointment. He and Joyce, his wife of 38 years, have two grown daughters and three grandchildren. His family lives on 10 acres in rural Minnesota, where his wife keeps two horses. John said he is fortunate to be able to "play" with his collection of five collector cars and various other pieces of antique equipment. He shares that his "life has been truly blessed since graduating from UCR on a bright, sunny day

in June of 1970 when Gore Vidal gave the commencement address and the graduates presented him with the gift of a lovely little pig. Oh, what a long, strange trip it's been!"... [Phil Phillips](#) ('74 Ph.D.) continues to do research on agricultural pest control. He was instrumental in creating quarantine regulations and area-wide management programs after Pierce's disease attacked Temecula Valley vineyards. In 2000, he served on an emergency task force dealing with the disease and associated pests. In 2001, Phil traveled to Australia's grape production region to conduct a national awareness program on Pierce's disease. He has also been involved in research on the impact of pesticides on food safety. More recently, he researched natural enemies of invasive pests throughout Mexico and Central America. He hopes his research will help move agricultural policies away from broad-spectrum pesticide use in favor of an integrated program of pest management where biological and cultural control measures are considered before using selectively targeted pesticides.

'71 [Stephen Reed](#) ('73 M.A.) was the keynote speaker at the Fifth Annual Race United Day Celebration in Irvine this past June.

'73 [Gary Lee](#) and his wife, Collette, placed a UCR banner in the famous Harry's Bar in Paris, France. The bar is a favorite destination spot for tourists, and a collection of pennants from U.S. colleges is displayed throughout its interior.

'75 [Yolanda Moses](#) (M.A., '76 Ph.D.) is a curator for the American Anthropological Association's "RACE: Are We So Different?" traveling





# Elizabeth Kerwin-Nisbet

'91 B.A. Sociology; '93 Teaching Credential

Kerwin-Nisbet and her husband, Dale Nisbet, are park rangers. They live and work in Harpers Ferry National Historical Park in Harpers Ferry, W. Va.



1. What inspired you to become a park ranger?  
OK, honestly, I went to the Grand Canyon with some friends from UCR on summer break. There were cute ranger boys at the canyon and I thought that coming back to work as a ranger for the summer would be fun and it was.
2. Many people go to national parks on their vacation. What do you do on your vacations?  
Last year my husband and I went to Italy where I was a soloist for the Amalfi Coast music festival. This year we went to Alaska and visited some other ranger friends and then took a cruise down the Inside Passage. We also travel to visit our families and friends in California and Texas.
3. You've worked at parks all over the country, including the Grand Canyon and Yellowstone. What is the most beautiful thing you've ever seen on the job?  
I don't know if there is one specifically beautiful thing that stands out. It's more the overall experience of living in beautiful places — they just kind of work on your soul whether or not you pay attention to them. They make you healthier and uplift your spirit. The Grand Canyon after a snowfall when the sunlight breaks through the clouds just glows this beautiful orange-gold color that you don't get to see at other times.
4. What is your best memory of UCR?  
I loved UCR. I had a great time living in the dorms and in Bannockburn. But the thing I loved best was singing for Professor William Reynolds and Martha Abbot. I still miss them.
5. What advice could you give to UCR students?  
Do internships. It's the best way to get a foot in the door at a new job and also the best way to decide if you actually like working in a given field. Also spend as much time as you can learning about and performing in the arts. It's very hard to find the same quality music/art experiences once you leave college. If you don't know it already, study Spanish — I wish I knew that language now and it's harder to find time to learn another language once you leave the university setting.

museum exhibit. The Ford Foundation awarded a \$450,000 grant to fund the development of a companion book and a smaller version of the exhibit to display in venues with limited space. The Ford Foundation previously contributed \$1 million to help create the \$4 million exhibit. Yolanda, who was president of the American Anthropological Association when discussions about the RACE project began in the late 1990s, will co-chair the smaller exhibit's advisory group and serve as co-editor of the companion book. She has also been named to the editorial board of the new journal *Sustainability: The Journal of Record*, which aims to be the conduit for universities, business communities, foundations, government agencies and environmental leaders to share information and foster collaboration ... Mac Fisher was appointed to the Riverside County Superior Court in June 2007 ... [John Evans](#) was appointed as a Riverside County Superior Court judge in July. Previously, he was a sole practitioner.

'76 Brian McNabb and Suzanne Gilbert ('75) have owned a kosher dairy restaurant in Los Angeles for the last nine years. Despite the hard work that the business demands, the couple spends many hours learning, playing racquetball and softball, running and biking. The first-time grandparents celebrated their 30th wedding anniversary in July 2007 and, as they do every year, wore UCR T-shirts on their annual getaway ... [Ruthan Smith](#) is director of marketing and business development for Riverside Medical Clinic and Doug Smith ('75) is in his 24th season as a UCR baseball coach ... Danny Truxaw (M.F.A.) wrote the play "The Green Room," which ran in Hollywood last May.

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The play is set during the time he was a student at UCR. It is the first of a trilogy he plans, all taking place in 1975 in the theater department ... Herb Fischer (M.Admin., '83 Ph.D.) retired in August from his job as San Bernardino County superintendent of schools, a post he held since 1998. Herb served in the education field for the last 39 years. He will remain on the statewide P-16 Council, an advisory group to Jack O'Connell, state superintendent of public instruction. He plans to split his time between his San Bernardino home, a family beach house and a Washington wheat house his wife recently inherited.

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'77 Emily Harrison is the deputy county executive for Santa Clara County. She joined the city of Palo Alto in 1987 as its finance director, before being promoted in 1997 to assistant city manager ... Jim Christiansen is running a gallery of his art from his home in Modesto. His work largely consists of watercolors, pen and ink, cartoons, acrylics and posters. In 1993 he received first-place awards and in 2008 second- and third-place awards in the watercolor category at the Central California Art Association Spring Show.

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'79 [Mike Dohr](#) (teaching credential, '83 M.A.) shares that from August 2007 to August 2008 he had the good fortune to complete a day hike up Mt. Whitney, the highest summit in the contiguous United States with an elevation of 14,505 feet; spend three weeks studying the German education system as one of 20 American high school teachers selected by the Fulbright Commission; and become co-chair for Region 762 (Riverside and San Bernardino counties) for the Cornell Alumni

Admissions Ambassador Network where he shares insights on the campus with prospective students. Mike continues to teach social studies at Patriot High School in the Jurupa Unified School District ... Lewis Ziska ('82 M.S.) is an ecologist with the Agriculture Research Service of the U.S. Department of Agriculture and is doing research in the Baltimore area on the effect of increased CO<sub>2</sub> levels on weeds. His study shows that weeds grow much faster in areas with high levels of CO<sub>2</sub>, and these weeds produce more pollen. His research team is working to develop techniques for managing weeds affected by global climate change.

## 80s

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'80 Ellie Lafferty is the new director for the Mentone Senior Center, which provides classes and various other programs for senior citizens in the area ... Bob Stapleton ('82 M.Admin.) owns Team Columbia, a cycling team participating in the Tour de France and dedicated to a drug-free training regime. He, his wife, Tess, and daughter, Ali, became involved in cycling after he sold his company, VoiceStream Wireless, to Deutsche Telekom, which became T-Mobile.

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'82 [Richard Hanks](#) ('98 M.A., '06 Ph.D.) spoke on "Southern California Indians: Patterns of Resistance" at the San Bernardino County Museum in Redlands in April. He has been a public historian, archivist and project manager for the Riverside Local History Resource and an associate archivist at the A.K. Smiley Public Library (Lincoln Memorial Shrine) of Redlands.

He now teaches California Indian history and American history at community colleges in the area ... [James Carrington](#) was recently elected to the National Academy of Sciences. He is a professor in the Department of Botany and Plant Sciences, and director of the Center for Genome Research and Biocomputing at Oregon State University, Corvallis ... Robert Millman is an executive partner with MPM Capital, the largest venture capital investor dedicated solely to health care. Robert brings to MPM Capital more than 18 years of experience in creating and managing intellectual property and patent estates for biotechnology as well as drug discovery and development companies. Most recently, he was the Chief IP Counsel for Alnylam Pharmaceuticals Inc., where he developed the leading intellectual property portfolio in RNAi therapeutics. Prior to Alnylam, for three years, Robert served as the chief intellectual property (IP) counsel at Infinity Pharmaceuticals Inc., a company focused on small molecule discovery. From 1999 to 2002, Robert was chief IP counsel at Celera Genomics, where he developed and implemented an IP protection plan during the race to sequence the human genome. He has previously served as patent counsel at Millennium Pharmaceuticals Inc. Earlier in his career he held an associate position at Morrison and Foerster LLP and was a patent agent/specialist position at Sterne, Kessler Goldstein and Fox, LLP.

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'83 Cheryl Caesar was awarded a doctorate in comparative literature from Paris III – La Sorbonne Nouvelle, summa cum laude, in January 2008. She is an assistant professor of English

and comparative literature at the American University of Paris ... [Kim Johnson](#) works in the planning division of the city of Riverside as historic preservation planner. In the last three years, she has co-authored three books on local history: "Jurupa," "Rubidoux" and "Riverside's Mission Inn." Her interest in local history began with the political science courses taught by Ron Loveridge. Her personal interest, along with her previous work experience as a local planner with Riverside County, turned into a career in local history.

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'84 Carrie Sparrevohn is a midwife and has been active in birth politics for many years as president of the California Association of Midwives, chair of that group's legislative committee and a member of the Midwifery Advisory Council (MAC) to the Medical Board of California. She is the founder and executive director of the Sally Clinic Project in Uganda, created by With Woman. She received the Brazen Woman award from the California Association of Midwives in 2007 and the Making a Difference for Women award from her local Soroptimist chapter in 2008. Carrie has published articles in Midwifery Today and the California Association of Midwives newsletter.

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'85 [Tod Burnett](#) has accepted the presidency of Saddleback College in Mission Viejo. For the last three years he served as vice chancellor for the California Community Colleges.

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'86 [Jorge Hernandez](#) received a judicial appointment to the Riverside County Superior Court in July. He formerly served as a Riverside County deputy public defender and a sole practitioner.

'87 Michael Beck ('92 M.B.A.) was named Pasadena's city manager. He left his job as assistant city manager of Riverside and started his new position Oct. 1.



'88 Jose Rivera (M.A.) established the first Indian museum at Lake Perris and was director of education at the Marin Museum of the American Indian in Novato. He is now a park ranger with Alcatraz Island and is proposing the creation of a Living Indian Museum system as part of the Golden Gate National Recreation Area.

## 90s

'90 Linda (Biro) Kelly (M.A.) is the city manager of Sonoma, Calif. She maintains a blog at [www.sonomamanager.com](http://www.sonomamanager.com) ... Pedram Salimpour was recently engaged to Stacy Weiss. He proposed at the end of his commencement address for UCR's Bourns College of Engineering and College of Natural and Agricultural Sciences. He is a second-generation pediatrician with a practice in San Diego.

'94 Chris Jackson has played in the Arena Football League for the last nine years. He began playing for Philadelphia Soul this year and, according to a story in the Associated Press, is considered one of the best receivers in league history.

'95 Raymond Doswell received his doctor of education degree from the Department of Educational Leadership at Kansas State University. The title of his dissertation was "Evaluating Museum Exhibitions for Educational Value: Creating an

Evaluation Process for the Negro Leagues Baseball Museum." He will continue to work at the Negro Leagues Baseball Museum in Kansas City, Mo., as deputy director and chief curator ... Tim Nelson received the prestigious Reserve Officers Association's (ROA)



Major General Strom Thurmond Award. The award is presented to the country's U.S. Army Reserve outstanding junior officer of the year. Tim is the commander of the 721st Engineer Company (horizontal construction), Grand Prairie, Texas. At the time of his award nomination, Tim was commander, Company A, 980th Engineer Combat Battalion (Heavy), Grand Prairie. The award was presented during ROA's national conference in Washington, D.C., where the organization is headquartered. One of Tim's previous military assignments was as a platoon leader, B Company, 489th Engineer Battalion (C) (M), in Iraq and Kuwait. His military decorations include the Bronze Star, Army Commendation Medal and Global War on Terrorism Expeditionary Medal. Tim resides in Frisco, Texas.

'96 Melinda Blackman (Ph.D.) is a professor in the psychology department at Cal State Fullerton and has received many teaching honors including the Carol Barnes Excellence in Teaching Award in 2007. She has written a new book, "Mind your Diet: The Psychology Behind Sticking to a Diet." The book discusses the physiological processes that can either help or hinder a diet. She examines psychological strategies such as using the term "diet" as an acronym (Do I Eat This) in order to stick to a diet and live a healthy lifestyle ... Tammy Duncan

and her husband, Chris, have welcomed another addition to their family, Anderson Michael Duncan born in May 2007. Anderson joins big brother Jackson. Tammy is a teacher with the Riverside Unified School District. The family lives in Corona.

'97 Noel Lee is an information technology (IT) site executive working for Perot Systems, a worldwide provider of IT services and business solutions ... Tim Bugno recently became the AVID coordinator at Bear Creek High School in Stockton, Calif., where he teaches math.

'99 Sarah Blevins produced the Inland Empire's first 48 Hour Film Project event in August. Filmmaking teams were given 48 hours to write, shoot, edit and score a short film that included at least one shot of a local landmark. More than 20 films were shown during the two-day event at the Laemmle Claremont 5 theatre. The 48 Hour Film Project is based in Washington, D.C. The project is in its eighth year and works to advance filmmaking and encourage filmmakers. More than 70 cities around the world are participating in the 2008 project. Besides producing this event, Sarah is an actress and comedian who does stand-up at the Ontario Improv and Ice House in Pasadena.

## 00s

'01 Ndeye Thiaw ('04 M.B.A.) is an analyst with International Finance Corp. (IFC) in Senegal. IFC fosters sustainable economic growth in developing countries by financing private sector investment, mobilizing capital in the international financial

markets, and providing services to businesses and governments. '02 Heidi Bethel (Ph.D.) is a scientist in the health and ecological criteria division of the Environmental Protection Agency (EPA). She returned to UCR in September to speak to students about careers with the EPA and the agency's intern program ...

Lillian Russell graduated from the University of Pittsburgh School of Law and also earned a certificate in health law. She represented her school in the National Health Law Moot Court Competition and served as president of her graduating class. Lillian has returned to the Los Angeles area to take the California State Bar and begin her career

... Tanya Sorrell ('05 M.A.) is working to expand the list of protected buildings in Riverside to include works of mid-century modern architecture, including the downtown fire station and the Main and Marcy libraries. A year ago, she launched a Web site, [www.modernriverside.com](http://www.modernriverside.com), devoted to Riverside's mid-century modern architecture.



'03 Jesse Palacios is a substitute teacher with the Lynwood Unified School District. He is working on his single-subject credential and hopes to teach social studies at the middle or high school level ... Sean Adams was recently promoted to chief of staff for California State Sen. Bob Margett after working in a variety of positions in the California Legislature over the past few years.

'04 Pam Fox Kuhlken (Ph.D.) has a forthcoming article to be published, "Clarissa and Cléo (En)durée Suicidal Time in Virginia Woolf's 'Mrs. Dalloway'"



and Agnès Varda's 'Cléo de 5 à 7'" Comparative Literature Studies, Vol. 45, No. 3, 2008. She and co-author David Noel Freedman were the winners of the 14th Annual San Diego Book and Writing Awards best history category for their book, "What are the Dead Sea Scrolls and Why Do They Matter?" In 2001, Pam co-founded Perelandra College, a licensed distance education program offering a master's in creative writing and also in counseling. The college received accreditation in June. She is now developing and directing a distance B.A.

degree-completion program in communication to be launched in spring 2009 ... David Horvitz had his first solo art show in Los Angeles, "To a Sunset in Palos Verdes," at the siteLA gallery. David is a conceptual artist whose work focuses on open-ended communication, talking into a void, and the language of place ... [Acela Ojeda](#) ('06 M.Ed.) is the subject of the documentary "Work Harder," which follows her life from 2001 to 2003 as a single mother and high school dropout who became the first college graduate in her family. Acela is a doctoral candidate in education at UCR and teaches bilingual education to fourth-

graders in San Bernardino ... Patricia Menchaca is currently pursuing her Ph.D. at UCR.



Part of her work has been collecting and analyzing soil samples to create a database for forensic scientists. In recognition of her work, the Smithsonian National Museum of Natural History in Washington, D.C. has included her in their exhibit, "Dig It! The Secrets of Soil," on display through January 2010.

TAKE FIVE

# Cynthia Barry

'84 B.A. English

Legal consultant for MGM Music Legal and Business Affairs in Century City, Calif. She and her husband, Troy, have three children: Daryl, 17, Alek, 16, Spencer, 14, and a Scottish terrier, Mickey.



1. **What did you learn while in college that helps you face the biggest challenges in your current job?**  
Time management was essential in order to juggle a full load of classes and work during college. It remains equally as important in the workplace with constantly changing priorities and demands. Writing skills have also played an important part, as that is a big part of my job. It is nice to know that writing all of those papers has finally paid off.
2. **What is your best memory of UCR?**  
The many days spent reading in the botanical garden. It was a wonderful and magical place to study and enjoy the great outdoors at the same time.
3. **What are your hobbies?**  
Having had my three children so close together, as well as working and going to school for my M.B.A., has not left much time for hobbies. My wonderful husband, Troy, and I have spent a considerable amount of time over the past several years advocating for special education and related services for our youngest son, who was diagnosed with autism, as well as seizures and type 1 diabetes. We have enjoyed participating in Special Olympics, American Diabetes Association, Children With Diabetes, and Epilepsy Foundation events and activities. In my free time, I enjoy gardening, cooking, swimming, reading, going to the movies and the theater, traveling and enjoying family time.
4. **What advice can you give to students?**  
Take advantage of every opportunity to continue your education even after graduation. Continuing education is so important in today's world and workplace. Many employers even offer incentives to their employees to enhance their existing knowledge and skills and to develop in new areas, as well. It is so important to keep pace with the ever-changing world.
5. **What was your favorite class at UCR?**  
There were so many I enjoyed, but I don't have one favorite. English, photography and dance were probably my favorite subjects, however. And while I enjoyed all of my English classes at UCR, I particularly enjoyed those with Professor Ganim. He had a true passion for the material and made the lectures entertaining.

# Capture the big picture...

Join the UCR Alumni Association for Life



Israel Gonzales ('04, '07)  
Proud UCRAA Life Member

"My years at UCR include some of the most memorable in my life. Certainly, UCR has greatly contributed to both my personal and professional development and I am truly grateful to the staff, professors, and other alumni for their part in my experience. It is because of the support I received as a student that I want to give back to UCR. Being a lifetime member of the Alumni Association enables me to stay connected to UCR, and that's a good feeling. I encourage you to join me in strengthening our UCR community and help create a lifetime of memories for future students."

Israel Gonzales owns his own business, Digidat Solutions. During his time at UCR, he was captain of the UCR cross country team, received the Big West Scholar Athlete of the Year and Lindy awards, and co-founded the annual César E. Chávez 5k Run/Walk. He holds a B.S. in business administration (2004) and an M.B.A. (2007) from UCR.



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[www.alumni.ucr.edu/membership](http://www.alumni.ucr.edu/membership)

'05 Alexander Davis is a senior analyst at Cappello Capital, a boutique investment bank, where he works with various types of companies conducting mergers and acquisitions transactions, strategic advisory and financing, both domestically and abroad. Alex was previously with UBS Investment Bank in Century City for two years, where he worked on sales of such companies as Univision and Harrah's Casinos ... Brendan Steele tied for fourth, seven shots behind Colt Knost, in the Professional Golfer's Association (PGA) Nationwide Tour's Price Cutter Charity Championship in Springfield, Mo., in July. In May, he tied for 49th place as a rookie in the tour's Melwood Prince George's County Open at Michellville, Md., where he shot a bogey-free 68 in the final round of the tournament.

'06 Amy Dunne is the new assistant to the assistant vice chancellor of Alumni and Constituent Relations at UCR ... Joseph Fain is a sales manager at Sprint ... Chris Najera joins the marketing group at Willdan Group in Anaheim as database administrator with a very diverse background including technical experience in information systems implementation and design, marketing-collateral design and production, and social research. Chris is pursuing a master's degree in information technology at California State University, Fullerton. He was formerly employed with Wright Engineers, where he oversaw business development operations in their Irvine offices and successfully contracted more than \$1 million worth of structural and MEP services

over a three-month period. While at Wright, Chris implemented a proprietary CRM system that played a major role in the successful transition of Wright's Irvine operations from focusing on residential clients to commercial and retail clients. In his spare time, Chris manages a personal-advice Web site for young adults, and enjoys traveling.

'07 Autum DeWoody (M.S.) is programs director for Inland Empire Waterkeeper, a nonprofit water quality organization with a mission of preserving and protecting the Santa Ana River Watershed and other waterways of the Inland Empire. She has managed the education, advocacy, research and enforcement programs since graduation. Her biggest project now is a \$100,000 14-month contract with the state to study three tributaries of the Santa Ana River in San Bernardino. The organization also received a \$15,000 grant for educational outreach and field trips for local high school students. She and her husband, James DeWoody ('96), live in Riverside ... Michael Robb (M.A.) received the \$10,000 Fred Rogers Memorial Scholarship, which he will use to pursue his research on children and interactive technologies. He was one of three national winners in the scholarship program, which honors the late Fred Rogers, creator and longtime host of the "Mister Rogers' Neighborhood" children's television program. Michael worked at KCET in Los Angeles, doing educational outreach for children's programming and is pursuing his doctorate in psychology at UCR.

FACULTY AND STAFF

Harry W. Johnson, professor emeritus of chemistry, died in December. He was 80. Mr. Johnson was a member of the original faculty at UC Riverside where he taught organic chemistry from 1954 until he retired in 1989. During this tenure at the university he served as dean of the Graduate Division and chair of the Department of Chemistry.

He is survived by his wife, Margaret; daughters Anne Johnston of Chicago, Jill Johnson-Young and Gail MacMillan, both of Riverside; and their spouses, Robert Johnston, Linda Johnson-Young and Kevin MacMillan; and several grandchildren.

Sally Dow, who spent 22 years organizing commencement and other special events at UC Riverside in an alumni outreach office, died in June. She was 89.

Ms. Dow's work in the public affairs and alumni offices from 1965 to 1987, combined with her outgoing nature, made her influential in UCR's campus traditions. She was made an honorary member of the class of 1958 by the founding alumni. She did much of the staff support for alumni reunions, student barbecues and the Citizens University Committee.

In 1964, she married John Dow, who died in 1994. Survivors include her sisters, Nora Waggoner, Sylvia Sherman, Sadye Olivier and Harriet Harrell. The family requests that donations be made to the UCR Alumni Association Scholarship Fund. Send Checks made payable to the UCR Foundation in care of the UCR Alumni Association, 900 University Ave., Riverside CA 92521.

UCR Professor Emeritus Parker F. Pratt, an influential figure in the field of soil sciences and former director of the USDA Salinity Laboratory, died in June at his home in Riverside. He was 89.

Dr. Pratt joined the UCR faculty in 1955 and retired in 1986 to serve for three years as the director of the Salinity Lab. He was recalled to teach in fall 1989. He served as chairman of the Department of Soil and Environmental Sciences at UCR for 15 years.

His research focused on the applied chemistry of phosphorus and potassium, the leaching of nitrate into groundwater, and the use of organic wastes on cropland.

He is survived by his wife, Mary; children Von Pratt and his wife, DeeAnn; Craig Pratt and his wife, Deanna; Koleen Shaw and her husband, Larry; Kathleen Hyde and her husband, George; and several grandchildren and great grandchildren.

Lindon Barrett, a professor of English who joined the university in fall 2007, died at his home in Long Beach in July. He was 46.

Dr. Barrett specialized in 19th century and early 20th century African-American literature and culture. He wrote numerous journal articles and a book, "Blackness and Value: Seeing Double." He was completing his second book, "Racial Blackness and the Discontinuity of Western Modernity."

He is survived by his parents, Dorothy and Leslie Barrett; his brother, Leslie Telethia; and many aunts, uncles and cousins.

Ruth Comly, a former UCR staff member who worked in the Relations with Schools office for many years, died in Mission Viejo in July. She was 83.

Throughout her years at UCR, Mrs. Comly was known as "Mom" to the hundreds of students whom she mentored and guided as the official hosts and hostesses of the campus.

Mrs. Comly is survived by her daughter, Martha Higgins of Foothill Ranch, Calif., two grandchildren; four great-grandchildren; two great-great-grandchildren; sister and brother-in-law, Jeanne and Keith Strahorn of Tucson, Ariz.; and several nieces and nephews.

A L U M N I A N D S T U D E N T S

'61 Robert Lee taught English and art history courses at the University of Wisconsin, Milwaukee, and California State University, San Bernardino. April 2008.

'63 Richard Helgerson was an English professor at UC Santa Barbara with an international reputation as one of the leading Renaissance scholars of his generation. He published six books, including the award-winning "Forms of Nationhood: The Elizabethan Writing of England." April 2008.

'63 Kenneth Wayne Nydam practiced law with the Tomlinson, Nydam & Prince firm in San Bernardino. June 2008.

'69 Charles "Chuck" Ray Willets retired from Lindsay Manufacturing in 2002 and was employed at Precision Industries at the time of his death. He also owned and operated Antelope Lanes in Neligh, Neb. June 2008.

'71 Robert L. Avina was a family physician, assistant professor of family medicine at Loma Linda University and past director of in-patient services at Loma Linda Community Hospital. August 2008.

'73 Raymond H. Keller worked most of his career as an IT professional, installing and troubleshooting network problems. He was married to Chris (Meagher) Keller ('74) and they resided in Belmont, Calif. Ray loved to fly fish and was a very accomplished amateur chef. May 2008.



# Phyllis Guze

Executive director for medical school planning at UCR.



Illustration by Zach Trenholm

Dr. Phyllis Guze brings decades of experience in the medical profession to her role in getting the UCR School of Medicine off to a good start.

By Litty Mathew

Phyllis Guze has done some exciting things: She's driven a Formula C race car, been a barrel racer in a rodeo, taught physical education and attended medical school when a woman in scrubs was the exception.

Guze (pronounced Goozay), who advises the chancellor on the final planning and curriculum for the future UCR medical school, finds her most thrilling venture ahead.

"There's nothing more exciting than helping plan a medical school," says Guze. "It's been an extraordinary process to bring a much-needed resource to the Inland Empire where health care providers are few in relation to the population."

With more than 30 years in medicine, Guze, a national leader in medical education, was the dean for education at UCLA School of Medicine and chair of the U.S. Department of Veterans Affairs Greater Los Angeles Healthcare System.

"I can't remember a time in my life when I didn't want to be a doctor," notes Guze. "Early on, I liked being in the academic medical environment. It combines many elements — teaching, research and patient care."

When not planning a whole new school, Guze indulges in mystery novels. She and her husband, Fred Eiserling, an astronomer and photographer, like to travel. Their last trip was to Baja California to observe the stars — and ride dune buggies and quads.

Born and brought up in New York City, Guze came from a family that emigrated from Eastern Europe. She was the first in the family to graduate from college. Her parents were worried at first of her chosen career path.

"Although they saw education as important, back then, it was more acceptable to be a teacher or a nurse" said Guze. "But I grabbed on and didn't let go. Within limits there are all sorts of things I could do." ❧