UCSC’s 40th Anniversary: How today’s students are preparing to make a world of difference

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- Lost History
- Hot Tech
- Memories of War
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Produced by UC Santa Cruz Public Affairs
9/05 (05-046/81.5M)

UC Santa Cruz (USPS 850940)
Vol. 43, No. 2 / September 2005
UC Santa Cruz is a series of administrative publications published in August, September, November, and March by University Relations at the University of California, Santa Cruz. Periodicals postage paid at Santa Cruz, CA 95064. Postmaster: Send address changes to the University of California, Santa Cruz, University Relations, 1156 High Street, Santa Cruz, CA 95064-1077.

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Adilah Barnes (Cowell ’72) and Paul Mixon (Stevenson ’71) attended the 2005 African American Alumni Reunion—one of 37 reunion events that took place during Banana Slug Spring Fair 2005.

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Adilah Barnes (Cowell ’72) and Paul Mixon (Stevenson ’71) attended the 2005 African American Alumni Reunion—one of 37 reunion events that took place during Banana Slug Spring Fair 2005.
A Symposium on Academic Diversity “will take place on Thursday and Friday, November 3 and 4. On Thursday afternoon, Shirley Ann Jackson, 18th president of Rensselaer Polytechnic Institute and former chair of the U.S. Nuclear Regulatory Commission, will deliver the keynote address. Jackson will also receive the third annual UCSC Foundation Medal. On Saturday, November 5, Chancellor Denton will host UCSC’s annual Scholarships Benefit Dinner—an event at which it was announced last year that more than $51 million in scholarships and fellowships for students had been raised. At this year’s dinner, UCSC benefactor Jack Baskin will receive the foundation’s first-ever Flat Lux Award for service to the campus.

Regional events are also planned.

Continuing Chancellor Denton’s inaugural “listening tour” and offering community members opportunities to join in the celebration of the chancellor’s arrival, UC Santa Cruz is collaborating with partners throughout the region to present a variety of special events this fall. Among activities open to the public will be a series of concerts and lectures sponsored by UCSC’s Arts & Lectures program; a presentation co-sponsored with the American Association of University Women; the annual Sidhartha Lecture to complement the campus’s Syayan Roy Film and Study Collection; and a presentation by professor of physics Joel Primack at NASA Ames.

Fall activities celebrate arrival of Chancellor Denice Denton

UCSC managing operation of NASA Ames sensor facility

UCSC has taken over the operation of NASA’s Airborne Sensor Facility, a major project for observing and monitoring Earth’s environment. The facility is based at NASA Ames Research Center in Moffett Field. The transfer of management strengthens the links between NASA and UCSC and will enhance the campus’s remote sensing capability and research, said Eli Silver, a professor of Earth sciences who was named principal investigator of the facility earlier this year. UCSC has a collaborative relationship with NASA Ames that includes the management of the University Affiliated Research Center (UARC), a $330 million contract between UC and NASA for a broad range of mission-oriented research. The UARC will now oversee the activities and program of the Airborne Sensor Facility. Under the current agreement, NASA will provide funding to UCSC through the UARC at the rate of $3 million per year to cover operation costs, salaries for the current staff of 17, and stipends for one or two graduate students, Silver said.

Researchers in UCSC’s Center for Remote Sensing, part of the campus’s Institute of Geophysics and Planetary Physics, use remote imaging tools to study Earth’s surface, oceans, and atmosphere. Their investigations address many diverse topics, including coral reefs, glaciers, volcanoes, air pollution, ocean currents, and land-use planning.

Astronomers discover most Earthlike planet yet

A team of astronomers has reached a major milestone in the search for Earthlike planets with the discovery of the smallest planet ever detected beyond our solar system. About seven and a half times as massive as Earth, it may be the first rocky planet ever found orbiting a star not much different from our own. All of the nearly 150 other extrasolar planets discovered to date around normal stars have been larger than Uranus, an ice giant 15 times the mass of Earth. “We keep pushing the limits of what we can detect, and we’re getting closer and closer to finding Earths,” said team member Steven Vogt, a UCSC professor of astronomy and astrophysics. The new planet orbits the star Gliese 876, just 15 light-years away and located in the constellation Aquarius. The smaller planet whips around the star in a mere two days, and is so close to the star’s surface that its temperature probably tops 200 to 400 degrees Celsius (400 to 750 degrees Fahrenheit).

This “planet will be histor -ic,” said team leader Geoffrey Marcy, a UCSC alumnus and professor of astronomy at UC Berkeley. “Over 2,000 years ago, the Greek philosophers Aristotel and Epicurus argued about whether there were other Earthlike planets. Now, for the first time, we have evidence for a rocky planet around a normal star.”

Research shows why older adults ‘accentuate the positive’

Age-related differences appear to affect the way adults make and remember their choices in life, suggesting that older adults ‘accentuate the positive and eliminate the negative in their memories.” Psychologists at UCSC have learned that adults of all ages tend to “fill in the gaps” when recalling decisions of the past, shedding light on the mysteries of memory distortion. But as people age, they rely more heavily on a compensatory process that favors positive emotional outcomes, said lead researcher Mara Markert, an associate professor of psychology at UCSC, whose work was published earlier this year in the Journal of Experimental Psychology. “The results add a twist to our understanding of how people remember things that were true then,” said Markert, who coauthored the paper with UCSC graduate student Martha Knight and then-undergradu- ate Michael McCaffrey, who graduated in 2005.

Investiture, symposium, dinner are highlights

F orgoing a traditional inauguration, Chancellor Denice D. Denton will be sworn in as UCSC’s ninth chancellor as part of a series of events this fall that will be short on ceremony and long on substance. “Instead of spending resources on pomp and circumstance, we will invest in our academic priorities and our students,” Chancellor Denton announced in meetings with students, staff, and faculty at the end of the 2004-05 academic year. UC President Robert C. Dynes will participate in a brief ceremony investing Denton as UCSC’s chancellor on Friday, November 4, followed immediately by her inaugural address.

For a schedule of special events surrounding Chancellor Denton’s investiture and to RSVP, please go to: celebration2005.ucsc.edu

Fall activities celebrate arrival of Chancellor Denice Denton
A pair of peregrine falcons had a very public courtship this past spring and raised a family in full view of thousands of fans, thanks to researchers who set up a webcam in the falcons’ nest box. The nest box sits on a ledge on the 33rd floor of a building in downtown San Francisco, where it was installed by the UCSC Predatory Bird Research Group (SCPBRG). An Internet-linked camera sent streaming video of the site to the SCPBRG web site (www.scbpg.org).

Widely publicized in the Bay Area media, the site attracted a clutch of four falcon chicks. “The response has been overwhelming,” said SCPBRG research associate Glen Stewart. More than 2,000 people participated in an online newsgroup moderated by SCPBRG scientists. Crowds gathered in downtown San Francisco to watch the young peregrines make their first flights and to celebrate their fledging, while the web site logged hundreds of thousands of hits. Donations and notes of appreciation have poured in from enthusiasts and webcam viewers and newsgroup participants, who tuned in from as far away as Europe. “An amazing community of people came together around these birds,” Stewart said.

The webcam project is part of SCPBRG’s education and outreach program, supported by major gifts from Oracle and PG&E.

Four peregrine falcon chicks were raised by their parents, “George and Gracie,” in a nest box on the 33rd floor in downtown San Francisco.

Campus volunteers give nature a hand

For the volunteers who join work crews each quarter to help preserve UCSC’s natural areas, the effort is a labor of love. “It really is a wonderful way to get out, with a great group of people, and work to help the environment,” said paleoecologist researcher Gracie, courted and then raised a clutch of four peregrine falcons. “The response has been overwhelming,” said SCPBRG research associate Glen Stewart. More than 2,000 people participated in an online newsgroup moderated by SCPBRG scientists. Crowds gathered in downtown San Francisco to watch the young peregrines make their first flights and to celebrate their fledging, while the web site logged hundreds of thousands of hits. Donations and notes of appreciation have poured in from enthusiasts and webcam viewers and newsgroup participants, who tuned in from as far away as Europe. “An amazing community of people came together around these birds,” Stewart said.

The webcam project is part of SCPBRG’s education and outreach program, supported by major gifts from Oracle and PG&E.

One event moderated by SCPBRG is the “first annual” symposium, optimistically titled the “first annual” symposium, but it is now a sure thing to return next spring.

A series of 10-minute oral presentations highlighted the variety of research being conducted.

New symposium showcases graduate research

Children living in homes with a computer are more likely to graduate from high school than young adults without computer access at home, even when factors like attendance and parental education are controlled for, according to UCSC researchers investigating the “digital divide.” Although many studies have explored the impact of computers in schools, few have assessed the impact on youth of having a computer at home, says Robert Fairlie, associate professor of economics at UCSC and a lead investigator.

More than a quarter of all children in the United States lack computer access at home, according to Fairlie, whose team documented a 6 to 8 percent increase in the high school graduation rate of youth in homes with computers. Other positive impacts include fewer rates of school suspensions and higher grade-point averages among students in homes with computers. The study is part of an investigation of the digital divide being conducted under the auspices of UCSC’s Center for Justice, Tolerance, and Community.
Sociologist examines cultural inroads African Americans are making

Over the past decade, African Americans have become more visible on the cultural landscape of the United States, says sociologist Herman Gray. But the inroads black artists like Wynton Marsalis have made on U.S. culture aren’t enough, according to Gray, author of the new book, Cultural Movies: African Americans and the Politics of Representation. “I want my multifaceted six-year-old grandson to be able to turn on the television and see other people of color, but we can’t stop there,” Gray says. A professor of sociology and chair of the department at UCSC, “just because television does a better job now of representing our diversity doesn’t mean we’ve achieved our goals of justice and equality.”

UCSC, NYU join in virtual dance and theater collaboration

Luminous transfer, an ambitious dance experiment in live, transcontinental collaboration using the Internet—was broadcast simultaneously this spring to audiences at UCSC’s Experimental Theater and New York University’s Frederick Loewe Theater. Two performances in April were the culmination of a distance arts project undertaken by an interdisciplinary mix of students, staff, and faculty at both universities. The result was an interactive, real-time performance where UCSC dancers performed in front of three “liquid screens,” upon which live images of the New York University dancers were simultaneously projected. The project was conceived of by UCSC assistant professor of theater arts Ted Warburton and carried out in his movement research class. UCSC’s staff provided the expertise and instruction, enabling students to run all of the technical aspects of the performances. “I believe this is the first course in the U.S. to offer students both the opportunity to perform and to acquire the technical knowledge necessary to produce this type of event,” noted Warburton.

UC Santa Cruz to lead ambitious project on wireless networks

UCSC researchers are leading a major collaborative effort to develop the technology for complex wireless communications networks that can be set up in rapidly changing environments such as battlefields and emergency situations. Faculty in UCSC’s Baskin School of Engineering will lead a multidisciplinary team of scientists at seven major universities working on the Dynamic Ad-Hoc Wireless Networks (DAWN) project. The project also includes researchers at UC Berkeley, UCLA, Stanford University, Massachusetts Institute of Technology, the University of Maryland, and the University of Illinois at Urbana-Champaign. It is funded by a five-year grant from the U.S. Department of Defense that will provide an average of $1 million per year spread among the institutions. J. J. Garcia-Luna-Aceves, Jack Baskin Professor of Computer Engineering at UCSC and the project’s principal investigator, said the methods and protocols developed for this project will have widespread applications. The research is of interest to the U.S. Army to enable troops to deploy mobile communications networks on the battlefield. But such networks could also be used by emergency personnel in the aftermath of an earthquake or other disaster in which pre-existing communications infrastructure has been knocked out.

Tennis Slugs triumph in front of home crowd

For the fifth time in school history, UCSC’s men’s tennis team captured a national championship. But this time, the feat was accomplished on the team’s home courts as the host school thumbed hundreds of very enthusiastic Slug supporters in May with a 4-1 victory over top-ranked Middlebury College of Vermont. The tournament also marked the first time in NCAA Division III history that a player on one team captured the team, singles, and doubles titles in the same year. In the singles competition, UCSC’s Matt Seeberger repeated as national champ; he also teamed with Matt Brunner to capture the doubles title, winning a thrilling third-set tiebreaker.

Ecologist receives Mellon grant

Erika Zavaleta, an assistant professor of environmental studies at UCSC, has received a prestigious grant from the Andrew W. Mellon Foundation to investigate the ecological impacts of the loss of plant species in California ecosystems.

In Memoriam

Jane Wilhelms, professor of computer science and an expert in computer graphics and animation, died of cancer in March in Santa Cruz. She was 56. Wilhelms began her career as a biologist, teaching anatomy and physiology for many years at junior colleges before returning to school in computer science. Much of her work in computer graphics, including techniques for animal modeling and animation, drew on her background in biology. Wilhelms joined the UCSC faculty in 1985, immediately after completing her M.S. and Ph.D. in computer science at UC Berkeley. She earned her B.A. in zoology at the University of Wisconsin—Madison, and an M.A. in biology at Stanford University. Her expertise in computer graphics and animation included working as a consultant to producers at Lucasfilm—where the Star Wars movies were produced—while she was a graduate student at UC Berkeley.

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UCSC's Matt Seeberger repeated as national champ; he also teamed with Matt Brunner to capture the doubles title, winning a thrilling third-set tiebreaker.

Tennis Slugs triumph in front of home crowd
Christina Morales holds the distinction of being the first person in her immediate and extended family to attend a four-year college. She also happens to be the second Latina graduate student in the History Department at UCSC to be honored with a $69,000 Ford Foundation Predoctoral Fellowship for Minorities. The award is given each year to only 60 students across the country who have “demonstrated superior scholarship and show the greatest promise for future achievement as scholars, researchers, and teachers in institutions of higher learning.”

Growing up in a low-income neighborhood in Gilroy, California, Morales was actively involved during her high school years in MECHA, the community-oriented student organization promoting education on issues involving Mexican Americans. As an undergraduate at Santa Clara University, she spent time volunteering at local public elementary and high schools, tutoring and helping ESL students. She also directed the campus’s multicultural center, working with student groups to promote diversity education and recruit students and faculty of color.

After graduating with a B.A. in history, Morales spent a year working for Mujeres Pueden, a welfare-to-work program in San Jose, where she served as case manager for Mexican American single mothers on public assistance, helping them to become employed and self-sufficient. She also applied to three doctoral programs in history, ultimately choosing to come to UCSC. “I had heard good things about Latino and Latina scholars here,” Morales recalls. “UCSC was also the only place where the faculty called me and students e-mailed me prior to my acceptance—it seemed really inviting. They expressed interest in what my research interests were, and I felt like it was going to be a good fit.”

Morales has completed her master’s thesis on the forced sterilization of Chicanas that took place at various medical centers in California during the 1970s. Her dissertation project examines the repatriation movement to expel the Mexican community from the United States during the Depression. Although her ultimate aspiration is to become a university professor, Morales definitely plans to continue working in the community, well aware of how much her volunteer and work experience has come to shape her research interests.

“I’m really interested in issues of education—one of my goals is to be involved in university policy and serve on school boards,” Morales said. “I would also like to be able to mentor students in the future,” she adds, “because I had such a positive experience with professors who mentored me.”

—Scott Rappaport
Acting, naturally

Elise Youssef
Senior, Theater Arts

During spring quarter, Elise Youssef was out the door by 6 a.m. on weekdays to perform the lead role in the traveling Shakespeare To Go production of The Winter’s Tale. The 50-minute play by Shakespeare Santa Cruz was performed 48 times in two months for Central Coast schoolchildren. Once the day’s Shakespeare performance ended, it was back to campus for classes and 5 to 11 p.m. rehearsals for the theater arts production of Merrily We Roll Along, a Stephen Sondheim musical. At one point, Youssef performed both plays just hours apart.

“I love every minute of it,” she says of her hectic pace. Acting seems as natural as her favorite courses last year was Clowning Studio, taught by assistant professor of drama Whitworth “goes all over the world.” So far, she says, “I’ve gotten older I’ve found that I enjoy being breathing for Youssef, who has been performing since the age of 8. “I enjoy being with an audience,” she says. “I can’t really imagine doing anything else.”

Looking at her stage credits, it’s hard to see how she has had time to do anything else. Almost from the time she set foot on campus, Youssef has been landing roles normally reserved for more experienced actors. She snagged a part in Shakespeare Santa Cruz’s Gretel & Hansel her first quarter, and hasn’t slowed down since.

There was the student-directed family drama Tales of the Lost Formicans, and a production of The Taming Women at the off-campus community venue, The Attic. A Shakespeare Santa Cruz internship offered more opportunities, including roles in two shows and creation of the Intern Showcase—a sellout. Lighter roles are her favorites. “In high school, I loved playing the ingenues, but as I’ve gotten older I’ve found the most fulfilling roles are the comedic ones.” One of her favorite courses last year was Clowning Studio, taught by assistant professor of drama and dance Patty Gallagher. Youssef’s most recent comedic turn, as Maggie in Shakespeare Santa Cruz’s Engaged this summer, was another coup. “That was a really big honor,” Youssef says, noting that she won the role over Equity actors and that Shakespeare Santa Cruz artistic director Paul Whitworth “goes all over the world” to audition actors.

Youssef, just beginning her senior year, is sure to pursue even more choice roles. “It’s my last year, so I hope to go out with a bang.” And after that? Youssef considers her time at UCSC invaluable preparation for any acting career, and has her next step all planned. “I’ll definitely move to New York and tough it out.”

—Louise Gilmore Donahue

Economics sleuth

Reza Shabani
Dual-degree program leading to a B.A. in Economics and an M.S. in Applied Economics and Finance

Reza Shabani considers himself lucky. Many of his childhood friends joined the military, while each day brings Shabani closer to his goal of earning a doctorate in economics.

Shabani was always good at math, and he discovered economics during his sophomore year. He promptly enrolled in the department’s rigorous “Pathway” program to earn a B.A. and a master’s degree in five years.

“The world revolves around economics—money and resources,” he said. “It’s a good foundation for anything I want to do in the public policy arena.”

Shabani’s concern about his friends in the military inspired an ambitious study of the health of Vietnam veterans. Shabani is using draft records to compare the fates of draftees to those who were not called up—their fates, Shabani says, can make up 50 percent of the discrepancy in health outcomes between veterans and nonveterans.

“Coming to Santa Cruz has changed me so much,” says Shabani, who grew up in Richmond. Recalling his time as a student in Richmond, Shabani says, “It’s crazy,” he says. “But I want to be successful. I have friends in Richmond and Oakland, and they’re living in the richest country in the world facing the problems of impoverishment. No one can save every person, but you have to help out. You have to do your duty.”

—Jennifer McNulty


Mars explorer

Erin Kraal
Ph.D. candidate, Earth Sciences

Erin Kraal got hooked on Mars in high school, when she wrote a term paper on the red planet. Now a Ph.D. candidate in Earth sciences at UCSC, she studies Martian landforms for clues to the planet’s history, looking for evidence that water once flowed across its now dry and barren surface.

“Mars is an amazing planet because it has so many mysteries and hints that it was once very different from what we see today,” Kraal says. “One of the big questions about Mars is how its climate has changed over time, which has implications for the possibility of life there.”

Many features of the planet—channels, basins, alluvial fans—suggest that water once flowed on the surface. The quandary, she says, is that surface water cannot exist there under current conditions.

Poring over the vast databases of images gathered by various NASA spacecraft, such as the Mars Global Surveyor, Kraal is mapping the distribution of features on the planet that appear to be alluvial fans—fan-shaped deposits of sediments left when water flows out of a canyon into an open valley. She is also using experiments and computer simulations to investigate the physical processes that might have formed certain features.

Take shorelines, for example. An eroded shoreline implies open water with waves lapping at the edges. But Kraal has found that it would have been difficult for waves to take shape on Mars because of the low atmospheric pressure. These findings come from experiments conducted inside the Mars Surface Wind Tunnel at NASA Ames Research Center, the only wind tunnel where the pressure can be lowered to simulate the surface of Mars.

With funding from a NASA Graduate Student Research Fellowship, Kraal does much of her work at NASA Ames in Moffett Field. Her thesis advisor, associate professor of Earth sciences Erik Asphaug, helped her make connections with collaborators at NASA Ames and other institutions.

“It was really her persistence year after year that created the Mars geomorphology program on this campus,” says Asphaug, whose own research has focused mostly on asteroids and planetary collisions. “I had contemplated studying Mars as a graduate student myself, but I ended up getting into other things. Now I’m really enjoying this new track.”

Before she began her Mars research, Kraal earned a master’s degree at UCSC, studying Alaskan glaciers with Robert Anderson, then a professor of Earth sciences at UCSC.

“I felt it was important to really understand Earth’s geomorphology before I tried to study a distant world,” Kraal says. “Now I apply those same skills to analyze the geomorphology of Mars.”

Erin Kraal
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From cotton to computers

Eduardo Hernandez
Sophomore, Computer Engineering

Surrounded by cotton for as far as his eyes could see, 14-year-old Eduardo Hernandez would have been hard-pressed to imagine the redwoods of UCSC in his future. “It was one of the toughest jobs I’d never want anyone to experience,” the computer engineering sophomore recalls of his days working the Central Valley cotton fields.

He left fieldwork behind as soon as he could, but work always went hand-in-hand with high school, as he balanced jobs as a butcher and a computer lab assistant on his way to becoming class valedictorian.

“It really pushed my limits—seeing how much I could do,” he says of his hectic high school years. “I learned the value of money and the value of hard work.”

Hernandez says he’s always had a mechanical bent, but his interest in computers—and especially circuits—was sparked by an older cousin in the high-tech field. Not only did that cousin bring the family into the computer age with the gift of a hand-me-down system, he taught Hernandez how to build his own computer, piece by piece.

Hernandez has found his niche at UCSC, continuing to get high grades and studying with a group of like-minded students of varying backgrounds: “We all have the same drive to succeed; we’re all supportive of each other,” he said. Hernandez plans to major either in computer engineering or information systems management. Elected vice president of the Multicultural Engineering Program and the statewide Science Achievement program, he was also supportive of each other. “You were persecuted for it.”

Hernandez, who moved to the United States from Mexico at the age of 5, is grateful his family has always been supportive. His four older siblings are either in college or have graduated.

“I know there are a lot of students like I was who want to do something with their lives but don’t quite know how to go about it. I think it really makes a difference when you tell them your own story.”

—Louise Gilmore Donahue

Elected vice president of the UCSC Multicultural Engineering Program, the statewide Science Achievement program, and is a member of the Multicultural Engineering Program and the statewide Science Achievement program.

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UCSC historian uncovers first statewide struggle for civil rights

By Jennifer McNulty

Long before the election debacle of 2000, Florida was the scene of ugly racial politics. Indeed, African Americans in Florida have fought for the right to vote since the days of Reconstruction, when the “Sunshine State” had the highest lynching rate in the country.

In his new book, Emancipation Betrayed, UCSC historian Paul Ortiz tells the story of black resistance to white supremacy in Florida and documents the organizing and activism he believes set the stage for the civil rights movement of the 1960s.

“Decades before the Montgomery bus boycott, African Americans in Jacksonville, Florida, organized streetcar boycotts that forced the city to abandon efforts to segregate the system,” says Ortiz, an associate professor of community studies. “That little-known act of rebellion is part of a pattern of resistance I discovered through talking with the elders of the black community. Handed down within black families, their stories describe what really became the first statewide civil rights movement in U.S. history.”

Emancipation Betrayed. The Hidden History of Black Organizing and White Violence in Florida from Reconstruction to the Bloody Election of 1920 focuses on the African American struggle for voting rights. The book documents networks of secret societies, fraternal organizations, labor unions, and churches that black Floridians relied on to organize and sustain themselves during an era of overt state-sanctioned violence against African Americans. “It’s really about what happens when people are faced with political terrorism—how they challenge that and find the courage and self-confidence needed to put together a social movement,” says Ortiz.

Through oral histories and subsequent archival research, Ortiz documents the courageous actions of African Americans who fought for their rights, often at enormous risk to themselves and their families. Sam Dixie, an octogenarian, shared his childhood memories of a shootout in his hometown of Quincy between blacks and the Ku Klux Klan. Members of the Colored Knights of Pythias, a black fraternal organization, had taken a secret oath to pay their poll taxes and register to vote. After the Klan surrounded the lodge during a meeting of the Knights, and a major gun battle ensued; the lodge was burned to the ground, and several knights were killed during the shootout.

That memory was the catalyst that “completely changed my understanding of American history and social change,” Ortiz writes in the preface to Emancipation Betrayed. “We are not taught to see African Americans as protagonists fighting for their own rights, but that’s exactly what these people did.”

Ortiz went “back and back in time,” picking up threads of black resistance to racial oppression. He heard black Floridians speak with admiration of the Tuskegee Airmen, who had fought in World War II, and the Black Panthers, who emerged in the 1960s. “People liked the charismatic leaders of those organizations, and the Colored Knights was an answer to that,” says Ortiz.

A key moment in the book becomes the 1920 election, where black Floridians expected the nation to recognize their right to vote. Instead, Florida and the nation were poised to use the ballot to challenge the status quo. With roots in the days of slavery, black Floridians’ courageous struggle for emancipation established the grounds for our modern expectation that all adults in the United States have the right to vote. —Paul Ortiz

With African Americans united and poised to use the ballot to challenge the status quo, white Floridians sought to sabotage the election by intimidating black voters with threats of arrest at the voting booth and purging hundreds of African American names from voter-registration lists. As Election Day neared, the state sanctioned white supremacists and the Ku Klux Klan to use violence to prevent blacks from voting.

The election on November 2, 1920, was ultimately the bloodiest presidential contest of the 20th century. Heavily armed white men patrolled polling places and deputies stood menacingly at the polls, suppressing black voter turnout across the state. But the violence was worst in Orange County in central Florida, where white mobs converged on the black community of northern Ocoee and paraded through the streets. Gunfights broke out and house-to-house fighting persisted through the night as hundreds of armed whites poured into the town. Homes were torched and scores were wounded as hundreds of African Americans fled into the night.

Although many perished, the total number of victims will never be known because some human remains were carried away as souvenirs by members of the mob. The National Association for the Advancement of Colored People (NAACP) cautiously estimated that 30 to 60 African Americans were killed across the state that day.

The violence shocked the country, and African Americans expected the nation to intervene. Despite vast evidence of discrimination against black voters that was presented during a congressional investigation, the election results were certified. With that act, the U.S. Congress dealt a deathblow to an era of vital African American activism. Despite the tragic outcome, the legacy of early black activism in Florida is a powerful one, says Ortiz. “With roots in the days of slavery, black Floridians’ courageous struggle for emancipation established the grounds for our modern expectation that all adults in the United States have the right to vote,” he says. “This is a brutal part of our history, but we are the beneficiaries of their struggle and sacrifice.”

With one of the highest incarceration rates of prisoners and juveniles in the Deep South, Florida profited from convict labor. The state administered one of the most notorious penal systems in the world.
Here’s something to ponder the next time you fill up your gas tank: Two-thirds of the energy produced from burning that fuel in your car’s engine will be wasted as heat, while only one-third will actually be used to get you where you want to go.

Ali Shakouri wants to change that. An associate professor of electrical engineering at UCSC, Shakouri leads the Thermionic Energy Conversion (TEC) Center, a collaborative project involving researchers at seven major universities working to develop new technology for direct conversion of heat to electricity.

To achieve this, the TEC Center is taking a new approach to an old concept. “Thermoelectric” materials, in which temperature differences can produce an electric voltage, were first described in 1821 by physicist Thomas Johann Seebeck. By the 1830s, physicists knew that “hot” electrons that have been deposited onto potential hot spots on computer chips. This application did not require high efficiency, but Shakouri thought the approach he used to build a successful chip cooler could also lead to the development of thermoelectric materials efficient enough to be practical for power generation.

When the Office of Naval Research (ONR) issued a call for proposals to develop technology for direct conversion of heat to electricity, Shakouri jumped at the opportunity. He brought together a team of researchers from around the country with expertise in different fields, and their proposal for the TEC Center won a $6 million grant from ONR in 2003. With UCSC as the lead institution, the center also includes researchers from UC Berkeley, UC Santa Barbara, Harvard University, Massachusetts Institute of Technology, Purdue University, and North Carolina State University.

“It is a very multidisciplinary team, with experts in mechanical engineering, electrical engineering, materials science, and physics,” Shakouri says.

The U.S. Navy is interested in thermoelectric technology to build quiet all-electric ships. But the possibilities for applying this technology are almost endless. Thermoelectric materials could be used to increase the efficiency of everything from cars to power plants by converting waste heat to electricity.

But first, there are some major technical hurdles to overcome, Shakouri says. An efficient thermoelectric material requires three crucial features: high electrical conductivity, low thermal conductivity, and a favorable Seebeck coefficient (the measure of voltage created by temperature difference within the material). The challenge is to control these features independently so that, for example, increasing the electrical conductivity does not also increase thermal conductivity.

Shakouri describes the TEC Center’s approach as a method of energy filtering within a semiconductor material. The basic idea is to structure the material so that “hot” electrons that have absorbed energy from a heat source can flow more easily than “cold” electrons, resulting in high electrical conductivity with a high Seebeck coefficient and low thermal conductivity.

The energy filtering is based on “thermionic emission” (from which the TEC Center gets its name). Thermionic emission also operates in vacuum tubes (such as the cathode ray tubes used in televisions and computer monitors), in which hot electrons are emitted from a heated filament.

“We knew that the same principle could be used for power generation,” Shakouri says. “Our idea was to combine this conventional vacuum thermionics with semiconductors and do energy filtering inside a semiconductor material.”

The center also has a team doing complementary research to improve vacuum thermionic emitters for power generation. “It helps to combine various approaches and look at the problem from different perspectives,” Shakouri says.

The results from the first two and a half years of this five-year project have been promising, he says. “We now understand the physics much better and are able to engineer the material properties in the way we anticipated, so I think we are going in the right direction.”

In addition to Shakouri, the UCSC group includes Holger Schmidt, assistant professor of electrical engineering, and about a half-dozen graduate students, undergraduates, and post-doctoral researchers.

Shakouri is also looking to expand his research into other areas of renewable-energy technology. He and other UCSC faculty in engineering, physics, and chemistry have started a discussion group that meets every other week to discuss how recent advances in nanomaterials might be used to address problems in renewable energy, such as the design of photovoltaic cells for solar energy. Shakouri also plans to offer a new undergraduate course on renewable-energy technologies this year.

“There has been very little fundamental research in this area,” he says. “But the ways we generate power now are not very environmentally friendly, so we really need to find better ways to do this.”

Here’s something to ponder the next time you fill up your gas tank: Two-thirds of the energy produced from burning that fuel in your car’s engine will be wasted as heat, while only one-third will actually be used to get you where you want to go.

Ali Shakouri and graduate student Xi Wang in one of the TEC Center labs, where researchers use sophisticated equipment to evaluate materials that convert heat to electricity.
I n 1993, the Smithsonian’s National Air and Space Museum prepared to launch an exhibit commemorating the 50th anniversary of the atomic bombing of Hiroshima. When the plans for the exhibit became public, a fierce controversy arose over the exhibit’s perceived sympathetic portrayal of the Japanese people. Veterans groups staged protests, and media coverage was extensive. Congress passed a Senate resolution condemning the exhibit. Eventually, the museum’s director was forced to resign, and the exhibit was canceled.

The impassioned response prompted UC Santa Cruz history professor Alice Yang Murray to consider how memories of World War II vary from country to country, and how much they have changed in the U.S. and Japan since that earth-shattering war ended more than a half century ago. She approached faculty colleague Alan Christy, a specialist in the history of Japan, about helping her create a new course that would explore how the war’s history is perceived in both countries—and how that chapter in world history has been shaped and reworked over time.

“We wanted to challenge students’ notions that there is just one single memory of the war,” says Yang Murray, author of a book in 2000 about Japanese American internment. “We thought it was important to explore how people in the two countries had very different wartime experiences and very different memories of the causes and consequences of the war.”

After extensive planning, the course—Memories of World War II in the U.S. and Japan—debuted in the fall of 1999 with 80 students. But as enrollment grew to more than 200 students by 2004, the two history professors decided to redesign the class, incorporating innovative technology to enliven the classroom experience. Collaborating with Assistant Professor Warren Sack—recently hired to help lead UCSC’s graduate program in digital arts and new media—Yang Murray and Christy began to work with students to develop DVD and web-based virtual tours of the many Pacific memorial sites that are an essential focus of the class.

The instructors also formed partnerships with colleagues at universities in Japan, as well as in Australia, New Zealand, Korea, and the Philippines, and plan to teach the class simultaneously in Santa Cruz and Tokyo in the spring of 2006. The ultimate goal is to make the course—now titled Comparative Memories of World War II in the Pacific—more vivid and relevant for today’s students.

“We imagine professors at many different sites around the world teaching from a relatively similar syllabus with everyone communicating electronically,” Christy explains. “And the thread binding the classes in all these locations is the students themselves. They will collaborate and produce group research projects—such as designing a new war memorial or a virtual museum exhibit, or providing translations of historical source documents—with input from students in all of the countries.”

Christy adds that the course’s international connections not only enable students to conduct more intensive real-world research, but also teach them how to collaborate effectively across the globe. “At the same time, they learn to create history themselves by interviewing the rapidly declining number of atomic bomb survivors,” he says.

The course’s new direction has already produced some impressive results. Undergraduate Kaley Clements was so inspired that he started his own independent project—applying the same multicultural approach he had learned in class to another 20th-century war. Traveling to Vietnam, he shot footage at Ground Zero. The use of such imagery is a prime example of why the professors were originally motivated to create the class. “It’s not so much a course about World War II, but rather how the war has come to be viewed in the years and decades that followed,” says Yang Murray. “It’s about why history often gets interpreted the way it does.”

A UCSC class explores how history can change with time

Course instructors Alice Yang Murray and Alan Christy

renowned Cu Chi Tunnels, where thousands of Vietnamese once lived underground in order to fight American soldiers. Clements has since presented his work at a guest instructor in a UCSC class on the history of the Vietnam War—often called the “American War” in Southeast Asia.

The course also struck a particularly resonant chord with students after 9/11 when the memory of Pearl Harbor was invoked as a symbol of the attacks on the Twin Towers, and images of the flag-raisers soldiers at Iwo Jima were constantly linked to the firefighters at Ground Zero. The use of such imagery is a prime example of why the professors were originally motivated to create the class. “It’s not so much a course about World War II, but rather how the war has come to be viewed in the years and decades that followed,” says Yang Murray. “It’s about why history often gets interpreted the way it does.”
That, really, was why I wanted to go to Iran. To see whether the ties that bound me were real, or flimsy threads of inherited nostalgia.

—from Lipstick Jihad

Torn between two cultures

Azadeh Moaveni
B.A. Politics, 1998
Oakes College

Growing up in San Jose, Azadeh Moaveni lived what felt like a double life. As the daughter of Iranian exiles, Moaveni served tea to her elders, listened as they spoke of the “year of the great catastrophe” when the Shah was ousted in 1979, and savored the flavors of Persia: fluffy rice with cinnamon, raisins drizzled with saffron, and pomegranates and sour cherry juice.

But Moaveni, like all Iranian Americans, lived in the shadow of the 1979 hostage crisis. She tried for years to avoid any mention of her background. She recalls cringing on the first day of school each year, waiting for the teacher to ask the right questions, and her ability to speak Farsi were assets. She began reporting for Time, gaining access to top government officials as well as the educated young people whose yearnings were convulsing the nation.

In Lipstick Jihad, Moaveni describes the appearance of independent newspapers for the first time since Islamic fundamentalists took over the country 20 years earlier. Student activists began demanding greater civil liberties. Women appeared in public wearing colorful veils, and their delicate sandals exposed pedicured toes. In Tehran, lovers strolled arm in arm, and crowds of young people demanded greater civil liberties. “It was, she realized now, a rest stop that allowed her to work up her courage to make the leap to Iran.”

When the first headlines about student unrest in Tehran appeared in 1999, Moaveni felt a powerful urge to bear witness. Ignoring the warnings of family and friends, she moved to Tehran and found herself perfectly situated to report on Iranian life for an American audience. For the first time, her background and her ability to speak Farsi were assets. She began reporting for Time, gaining access to top government officials as well as the educated young people whose yearnings were convulsing the nation.

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The book has been well-received by critics and readers, including young Iranian Americans who, like Moaveni, were raised in the United States and feel cut off from Iran. With its descriptions of the “youth rebellion from below,” Lipstick Jihad fills a void experienced by the children of exiles. “They find it encouraging, heartening, because it gives them something to relate to,” says Moaveni.

The end of Moaveni’s sojourn in Iran coincided with a government crackdown. Her reporting activities were coming under greater scrutiny, and she began to fear for her personal safety. She left the country abruptly after riot police clubbed her during a post-soccer-match street celebration.

It was the summer of 2001, and Moaveni returned to her home in the United States. “It’s where I want to be right now because of my work,” she says. During a recent reporting trip to Iran, Moaveni detected more alienation and apathy in the country than she felt in 2001. “Young people who were active politically have turned off politics,” she says. At the same time, Iranians are enjoying greater social freedoms as the regime tries to keep discontent from spilling over into revolt. “Rock bands are even allowed to perform in cafés,” she adds.

Moaveni, who considers herself Iranian American, says growing up in the United States has never made her the target of hostility in the Middle East. “It’s like I’m in a hybrid category,” she explains. “I’m one of the lucky few Iranian Americans with the ability to go back and forth. It’s not about being aligned with the government or with the exile group in America. I’m one of a small but growing number of Iranians who exist somewhere in the middle.”
The UC Santa Cruz Cornerstone Campaign: Goal Surpassed, Students Benefit

First UCSC fundraising campaign a success

Thanks to many generous donors, the Cornerstone Campaign was a resounding success. A total of $67.6 million was raised in two years, surpassing the goal by $17.6 million.

“Our supporters have joined with us in taking UC Santa Cruz to the next level of achievement,” said Gordon Ringold (Crown ’72), chair of the Cornerstone Campaign Council.

“The tremendous success of this campaign is thanks to the demonstrated commitment and support of our faculty and staff and the greater UC Santa Cruz community of alumni, parents, and friends.”

The campaign benefited virtually every area of campus, including more than $5.2 million raised for undergraduate and graduate student support, a focused effort within the campaign. Gifts small and large contributed to the campaign’s success, and as these pages show, every gift has a story.

For graduate student Petra Dekens (Crown ’98), the keys to the future lie in the past. Dekens is a paleoceanographer researching long-term climate changes in coastal systems during past periods of global warmth. “If you can understand what happened in the past, you’re much more likely to be able to understand how climates will respond in the future,” said Dekens, who is completing her Ph.D. in ocean sciences and was recently awarded a fellowship from UC Santa Cruz’s Center for the Dynamics and Evolution of the Land-Sea Interface (CDELSI).

CDELSI fellowships are generously funded by an anonymous donor to foster interdisciplinary training and research that promotes greater understanding of interactions between physical, biogeochemical, and ecological changes and the human environment along Earth’s coasts. The fellowships cover tuition, health insurance, and a living stipend. “To have funding for my last year is really great,” said Dekens, “because I know I’ll be able to really focus on writing up the research I’ve done so far.”

For more on Petra Dekens, see giveto.ucsc.edu/profile-dekens.asp.

Stories from the campaign:

Alumnus creates fund with Asia focus

Mark Headley (Stevenson ’83) and his firm, Matthews International Capital Management, have established the “Transforming Asia Fund,” which will provide sponsorship of an Asian economics conference, a distinguished-visitor lecture program, and undergraduate research awards. Headley credits UC Santa Cruz with giving him a good start in his career. “The work I was doing at UC Santa Cruz, comparing the economic development of countries, is exactly what I’m doing today,” he said.

ゝFor more on Petra Dekens, see giveto.ucsc.edu/profile-dekens.asp.

Planned gift benefits women in engineering

A planned gift from Barbara Snader has endowed a $1 million scholarship fund for undergraduate women in the Baskin School of Engineering. Established in memory of Snader’s daughter Amy (Merrill ’83), eight Amy Beth Snader Memorial Scholarships were awarded in the last academic year. One went to Skye Vendt-Pearce (Cowell ’95), who used the funds to purchase a laptop during her senior year as an electrical engineering major.

ゝFor more stories of generosity, please go to giveto.ucsc.edu/stories_of_support.asp.

Local company helps local students

The Santa Cruz Seaside Company has endowed a scholarship for students who graduated from a Santa Cruz County high school and Cabrillo College. Established with a $50,000 gift, the award will provide an annual $2,000 need-based scholarship, which will increase as the endowment grows. “I want to help ensure that future generations of local students are able to pursue their dreams through education,” said Charles Canfield, president of the Santa Cruz Seaside Company.

ゝFor more stories of generosity, please go to giveto.ucsc.edu/stories_of_support.asp.

Telephone Outreach Program sets record

Undergraduates staffing the Telephone Outreach Program raised more than $1.18 million, the highest total in the program’s history. “TOP” callers contact UC Santa Cruz alumni, friends, and parents, raising funds to support a wide array of academic departments, programs, and other campus activities. Many TOP students have experienced the generosity of donors firsthand, receiving need- and merit-based scholarships to support their studies.

ゝFor more stories of generosity, please go to giveto.ucsc.edu/stories_of_support.asp.

Art scholarship grows

The legacy of UC Santa Cruz professor of art Eduardo Carrillo continues to inspire and support students, thanks to the generosity of his widow, Alison Kester Carrillo, and other donors who have built a scholarship in his memory.

ゝFor more stories of generosity, please go to giveto.ucsc.edu/stories_of_support.asp.

“The scholarship is a way for Ed’s vision and values to be carried forward,” said Alison, whose most recent gift increased the endowment to almost $100,000. The Eduardo Carrillo Memorial Scholarship Fund helps art majors who achieve high academic merit in painting, drawing, or sculpture.
Over the years Woo and Sobrino lost touch but always wondered what paths the other had taken. Recently, Woo decided to look up her old friend using the UCSC alumni Online Community. “Just wondering if you’re Laurnasaur’s Garcia,” she wrote. “If so, please write back. It’s me, from College Five days!”

Since then, the two are planning a visit and catching up via long e-mails. Woo now works at Stanford University; Sobrino, a pioneer female matador performer, was inducted into the Mariachi Hall of Fame last year.

The UCSC alumni Online Community makes it easy to reconnect with old friends. It contains nearly 52,000 alumni records, more than half of which list an e-mail address. To find your old friends, and to post your e-mail address so that they can find you, go to the UCSC Alumni Association’s Online Directory, alumni.ucsc.edu.

About the authors
Noel King is a screenwriter with his former students Renée De Palma (Stevenson ’88, now a documentary filmmaker in Southern California) at the All-Alumni Reunion Luncheon. Banana Slug Spring Fair 2005 offered alumni 37 events, which drew more than 2,500 attendees.

Alumni are invited to participate in UC Day
Alumni who like to shape the news, not just read about it, are invited to participate in UC Day on Tuesday, February 7, in Sacramento. UC Day brings together all UC alumni associations to discuss issues of concern to the university with members of the legislature. It is the only time when the UC statewide “family” gathers in one place to acknowledge UC’s contributions to the state.

Alumni participate by sharing their firsthand UC experience, their current rates:
MEMBER
RENEW
CURRENT
ALUMNI ASSOCIATION
OF THE UNIVERSITY OF CALIFORNIA
1156 HIGH STREET
SANTA CRUZ, CA 95064-1077

E-mail: alumni@ucsc.edu
Toll free: (800) 933-SLUG
www.ucforcalifornia.org

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Contact the Alumni Association
UCSC Alumni Association University of California 1156 High Street Santa Cruz, CA 95064-1077

E-mail: alumni@ucsc.edu
Toll free: (800) 933-SLUG

Among the participants at UC Day 2005 were (l-r): Assemblymember John Laird (Stevenson ’72), Chancellor Denise D. Clayton, and Gary Novack (Kresge ’73), former alumni member of the UC Regents.

Old friends reconnect after 30 years
Yvonne Soza Woo left behind her family and home state of Hawaii when she enrolled at UCSC in 1972.

Lauren Garcia Sobrino grew up not 15 miles from campus, but she too was living away from family for the first time when she became “Woo’s” neighbor across the hall. They grew up thousands of miles apart, but once they met, the two became fast friends.

“We’d never experienced anything like dorm life,” remembers Sobrino, “and we were both minori ties at College Five (later renamed Porter). There weren’t many of us.”

“We always hung out together in the dining hall, playing ping pong” said Woo. “It was a great time.”

“Only one female student lived there,” remembers her roommate, Cindy Bender. “So we were the ‘Cowell Press Wayzgoose,’ a gathering of alumni and friends of the Cowell Press; and a reunion of alumni who, in the early ’80s, were involved with TWANAS (Third World and Native American Students Press). The Alumni Association’s web page has the latest information about all Banana Slug Spring Fair programs. Your reunion ideas are welcome via e-mail. See alumni.ucsc.edu.

The last year, generous alumni celebrating five- through 35-year reunions donated over $300,000 to support scholarships and programs at UCSC. Reunions are a time for alumni to reconnect with the campus in many ways, including financial support. To make your reunion gift online, go to gifts.ucsc.edu or contact Jennifer Wood, director of development, Annual Fund and Colleges, at (831) 459-2489.

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Religious studies professor emeritus Noel King, with former student Renée De Palma (Stevenson ’88, a former UCSC student for 34 years, is a member of the Third World and Native American Students Press). The Alumni Association’s web page has the latest information about all Banana Slug Spring Fair programs. Your reunion ideas are welcome via e-mail. See alumni.ucsc.edu.

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Events will include the following:
• All-Alumni Reunion Luncheon, bringing together long-lost alumni friends and reconnecting faculty with their former students. Special recognition will be given to the classes of ’71, ’76, 81, 86, ’91, ’96, and 01.
• Alumni Vintners Wine Tasting, featuring fascinating graduates from the class of ’76.
• Distinguished Faculty Lecture, in Reunions for affinity groups, academic departments, college-based groups, and others.

The UC Alumni Association’s popular annual Alumni Vintners Wine Tasting will take place Saturday afternoon. The event, which has in the past always been held during the summer, has historically attracted hundreds of loyal alumni, faculty, and other wine lovers from Santa Cruz and the Bay Area; now, it’s easier for all alumni to participate while they’re on campus for their reunions. Participating vintners are still tentative, but in prior years they included such wineries as Saintsbury, Bonny Doon Vineyard, Morgan Winery, and Barefoot Cellars.

Other reunion weekend events will include a special session with UCSC Admissions Office staff for alumni parents whose children are interested in attending UCSC; the “Cowell Press Wayzgoose,” a gathering of alumni and friends of the Cowell Press; and a reunion of alumni who, in the early ’80s, were involved with TWANAS (Third World and Native American Students Press). The Alumni Association’s web page has the latest information about all Banana Slug Spring Fair programs. Your reunion ideas are welcome via e-mail. See alumni.ucsc.edu.

Alumni Association members are invited to participate in UC Day, and new jobs through research innovations, or working to improve California’s health care and quality of life, UC’s impact is felt statewide. Budget cuts have threatened the future of the university. Alumni, with their firsthand UC experience, can share a special perspective with elected officials about adequate levels of higher education funding. To participate or find out more about UC Day, contact the UCSC Alumni Association. For information about advocating for UC, go to UCforCalifornia.org.

Make plans now to attend your reunion
Alumni Councilors, 2005–06
Cowell Carlos Camellan ’80
Karien Rivestra ’77, Vice President for Internal Affairs
Stevenson Devin Bouchard ’98
Arie Everett ’95, Vice President for External Affairs
Paci H. Moline ’79
Joan Fenning, Scott ’69, Executive Vice President
Crowd Kristina Bonkowski Freeman ’89
Jared R. Olson ’77
Rick Simpson ’75
Sandra Yezerski ’89
Merrill Karen Doodson ’71, Past President
Elizabeth R. Fisher ’95
Dawson Shabbah ’79, President
Porter Mary Doody ’74
Jeanne de Groot ’74
Rob Savare ’71, Vice President for Finance
Kresge Paepa Keppel ’99
Paepa D. Seidman ’76
Sharle Tranquill ’71
Oakes Patricia Thompson ’75, Vice President for Administration
Russell R. Wilson ’75
College Eight Sean Buxton ’80
Aron Cohen ’01
Graduate Division Emily Morgan Robinson ’04
Es Officio Carolyn Christopherson, Executive Director
Fred Carson, Chair, Academic Senate
Denise D. Clayton, Chancellor
Ian Dobbs-Deaton, President
Graduate Student Association Jessica Persic, Chair
Student Union Assembly

Gathered at the 43rd annual Alumni Reunion Banana Slug Spring Fair 2005 offered alumni 37 events, which drew more than 2,500 attendees.

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90 Richard CHRISTIANSEN, curator in charge of Old Master paintings at the Metropolitan Museum of Art in New York City, has announced that he will be quitting extensively in a story in The New Yorker about the museum’s recent purchase of a 15th-century Renaissance Madonna and Child. Christiansen, who has worked for the museum since 1977, handled the acquisition.

73 Susan CRASKE recently celebrated her eighth year of employment at Buckaroo Publishers in San Francisco, Calif., which provides housing and rehabilitation services for adults with disabling conditions.

74 James VALDIEZ is director of the Educational Research and Leadership Institute at California Lutheran University in Thousand Oaks, and he recently completed his dissertation.

91 Katherine SHIREK Doughtie’s first book of essays, Aphorisms in Black, is being published by Havon Books.

91 Robert SLOAN is a physician in private practice in Honolulu, Hawaii, where he has nine-year-old daughter who wants to ice skate on another island, and so he plans to move to Honolulu to better groom his little skater.

66 After studying yoga in India in summer 2004, Eric SWAN moved to San Francisco and began a self-designed Ph.D. in hata yoga at the California Institute of Integral Studies; he has been a yoga teacher for four years.

67 Clyde JONES, the former editor of the Boulder Daily Camera, is now living in the Denver area and working to launch a Denver/Boulder area alumni group. If interested, contact the CU Boulder Alumni Association at alumni@cu Boulder.edu. Matt PRICE was in the Peace Corps in Brazil in 1993–95 and has returned to complete a Ph.D. in epidemiology from the University of North Carolina at Chapel Hill; now he is working as a program manager with the International AIDS Vaccine Initiative.

59 Peter GILLIN recently started a new career in commercial real estate with CB Richard Ellis, selling apartment buildings, he lives in Newport Beach and still loves to surf and snowboard on mountain bike. He’d love to hear from old friends at petergillin@live.com.

45 Aaron BRODKN and Andrea CHAPPELL-BROOKS (Cowell ’00) celebrated their first wedding anniversary this past April.

62 Jody GEHRMAN and Matt PRICE (Cowell ’04) have moved from San Francisco to Berkeley and began a self-employed career.

70 Eric SHAW and Mia MORSY Whitfield (Cowell ’04), newlyweds, welcomed their first child, Timothy. In 2004, they welcomed their first daughter, Ingrid.

72 Reena D’SOUZA, the former director of Buttonwood W沿着, displays in brooks on Market Street in San Francisco in spring 2004, is planning to celebrate the marriage ceremonies of same-sex couples held in that city in 2004. With ‘...,’ and fellow inmate Sonya CROWE and Jamie Coviello won the top prize for “Best Clown/Comedy Act” in the 2004 Canadian National Clown Championship at the Via Sacra Clown Club; their winning routine was “Best Clown/Comedy Act” in the 2004 Canadian National Clown Championship at the Via Sacra Clown Club; their winning routine was

66 A tribute to Eve ABBOTT, who has a private practice in Hilo, Hawaii; she is a half-price rate for UCSC students. Doughtie’s first book of essays, Aphorisms in Black, is being published by Havon Books.

70 Eric SHAW and Mia MORSY Whitfield (Cowell ’04), newlyweds, welcomed their first child, Timothy. In 2004, they welcomed their first daughter, Ingrid.

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whose characters are held in thrall by urban life.

’97 Yan SHAM-SHACKLETON has been nominated for a Freedom Blog Award, given by Reporters Without Borders to individuals who “defend freedom of expression” through the blog medium. Yan’s blog—www.glutton.org—focuses on the Democratic Movement in Hong Kong, human rights, and free speech issues in greater China. Her blog is frequently censored and blocked in the mainland by the Chinese Communist government.

’00 In 2004, Viva STOWE Harris graduated first in her class from Santa Clara University School of Law and married Michael Harris; Viva practices law in San Jose, and they live in Santa Cruz.

’02 David BERG is the producer of Raging Cyclist, a 30-minute action/dark comedy film that was selected for screening at this year’s Cinquant Film Festival in San Jose and the Democratic Film Festival in Colorado. Craig David FORREST is the author of Journeys: A Son’s Unlikely Odyssey to His Mother’s Hawaii (Universe, 2005), a memoir of how he reconnected with his journalist mother before and after her death through the archives of a weekly newspaper columnist who “defend freedom of expression” for his country.

Oakes College

’75 David PAINE has been appoint ed superintendent of the Live Oak School District in Santa Cruz; prior to this, he served the district as director of curriculum and instruction and as an elementary principal. He has a doctorate in educational leadership from the University of La Verne and a master’s in education from San Jose State University.

’77 Raymond ROMO recently retired from the Royal Malaysian Air Force with the rank of Wing Commander; he and his wife, Priscilla BALANON Romo (Morrell ’73), live in Hawaii, where they own an aquaculture research facility; Priscilla works at Volcános National Park.

’86 Azadeh MOAVENI (see profile, page 26) lives in Beirut and covers Middle Eastern affairs for Time magazine; her book Lipstick Jihad: A Memoir of Growing Up Iranian in America and American in Iran was published by PublicAffairs this year. Mica VALDEZ is running a middle school program that provides positive alternatives to youth gang violence and fosters youth leadership development.

SAVE THESE 2006 DATES:

▶ Alumni Association Awards Luncheon. Celebrate faculty, staff, and alumni award winners. February 4 on campus.

▶ UC Day. Legislative advocacy for higher education. February 7 in Sacramento.

▶ Banana Slug Spring Fair. Reunion weekend, with special recognition for the classes of ’91, ’96, ’81, ’86, ’91, and ’05; receptions, panel discussions, and more. April 22–23.


alumni.ucsc.edu

College Eight

’75 Patricia O’NEILL is a plumbing contractor in Berkeley. ’77 Lisa FINDLEY has a degree in Building Change: Architecture, Politics and Cultural Agency; she was a registered architect and an associate professor at California College of the Arts, where she coordinates the master of architecture program.

’80 Ana KIRK received the 2005 Pioneering Woman Award from the Outdoor Industries Women’s Coalition; she is the founder of Extreme Connection, which helps mountaineers, outdoor sports athletes, and adventurers make a living and support their endeavors by being motivational speakers for corporate meetings and events, endurance sportspersons, and sports models. In February, Elaine MEADOWS IT marketing consulting firm.

’86 Scott CRAMER has been promoted to associate professor of cancer biology at Wake Forest University School of Medicine.

’93 This summer, Mara JEFFRESS took a 1,000-mile solo-backpacking trip along the Pacific Crest Trail to raise money for Doctors Without Borders (Medecins Sans Frontieres); she earned her Ph.D. in molecular and cell biology from the University of Washington in 2004. Contributions can still be made at jefrress.wm.edu/1000miles.htm.

’94 Jason BINSWANGER is running a chiropractic office in San Diego and expecting his first child in September; friends may contact him at jbinswanger@comcast.net.

’95 (Jason) Cooper MARCUS, who founded Slug Books Co-op while a UCSC student, is living in Chicago, working on his M.B.A. at the Kellogg School of Management at Northwestern University; he’s also starting a parking facility management firm that uses a patent-pending low-cost technology platform of his own invention.

’97 Denise DEJOSPEH received an M.S. in archaeology in December 2000 from the University of Glasgow, Scotland; she now lives in Seattle, where she is a project manager with Historical Research Associates and is pursuing a certifi cate in geographic information science at the University of Washington.

’99 Cary FUKUNAGA won a Student Academy Award from the Academy of Motion Picture Arts and Sciences for his film Victoria Pana Chino, a 14-minute narrative film based on the true story of the worst single case of illegal immigrant death in U.S. history.

In Memoriam

William EVERSON (Porter ’76), who received a B.S. in chemistry from UC Berkeley in 1929, retired as a chemist from Shell Oil, took a postretirement degree at UCSC, and backpacked around the world, died at the age of 97. Edna KIMBRO (Porter ’76), California State Parks historian and nationally recognized expert on adobe construction and preservation, died in her sleep at her Watsonville home in June 2005 after a six-year battle with ovarian cancer; she was 61.

Mark STIER (Stevenson ’76), a lawyer with the civil tax division of the Department of Justice who in 1996 and 2004 received the depart ment’s Outstanding Attorney award, died of cancer in January 2005. He is survived by his wife, Cynthia, and two sons, Andrew and Brendan, all of McLean, Va.

Gordon KIO (Porter ’85), restaurant critic for the Staba Statesman and lover and supporter of music, art, and theater, drowned in the Sea of Cortez in October 2005, while vaca tioning with his wife.
Celebrating Students Like:

**Tracey Kwong**
Senior, Biochemistry and Molecular Biology
- Regents Scholar
- 2004 Goldwater Scholar
- Winner, Doug Drexler Chemistry Scholarship (2004 and 2005)
- Winner, C. Fiore Chemistry Prize (2004)
- Undergraduate researcher in the laboratory of professor of chemistry and biochemistry Bakthan Singaram
- Summer intern at Roswell Park Cancer Institute in Buffalo, NY
- Special Olympics basketball coach
- Volunteer, Habitat for Humanity

**Plans after graduation:**
Pursuing a Ph.D. in molecular and cell biology

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**Exploring Excellence**
November 3–4, 2005
Symposium: “Achieving Excellence through Diversity”

**Heralding Leadership**
November 4, 2005
Investiture of Denice D. Denton as Chancellor

**Supporting Students**
November 5, 2005
Third Annual Scholarships Benefit Dinner

▶ For more information, see page 2, or go to celebration2005.ucsc.edu

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