

UC SANTA CRUZ

REVIEW

Fall 2008



THINGS you might not know about **UC Santa Cruz**

Little-known facts **revealed!** Myths **debunked!** Obscure history **unearthed!**

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UC SANTA CRUZ

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UNIVERSITY OF CALIFORNIA SANTA CRUZ

Chancellor
George R. Blumenthal

**Vice Chancellor,
University Relations**
Donna Murphy

UC SANTA CRUZ REVIEW

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Celebrations

It was a week of endings. It was a week of beginnings. *Review* was there to capture images of this year's commencements and the inauguration of Chancellor George Blumenthal.



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Mr. President ...

The 44th president of the United States will have tremendous challenges before him. UCSC experts offer their advice on topics ranging from education to climate change.



20

McHenry turns a page

As a generation born into the information age hits the books—or the Internet—campus libraries are adapting to the needs of a new, hyperconnected student.

Focus on Faculty

Oceanographer Mary Silver has had a lifelong love affair with the sea—and with teaching.



10

Alumni on the Move

Flaming rocket balloons and potted cacti are among the props Chris Lauf uses to teach science while pedaling across Australia.



11

43 Things

Do you know about Samantha the lovesick goat, the restless ghost of Sarah Cowell, or the epic battle between the banana slug and the sea lion? Here we present 43 things—one for each year since the campus opened—you may not know about UCSC.

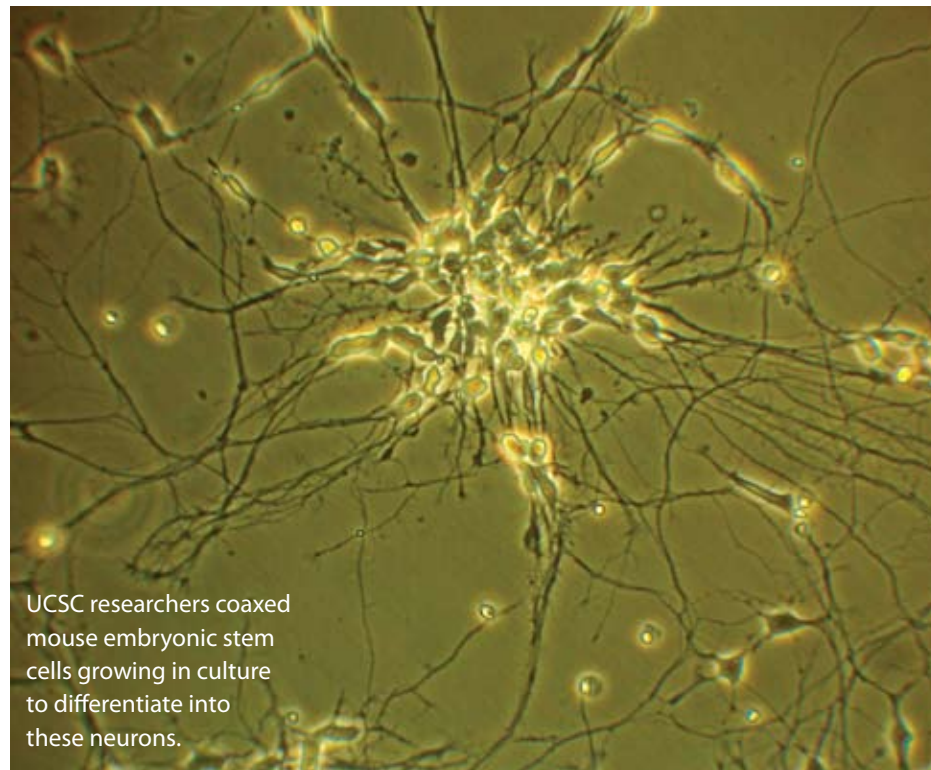


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UC Santa Cruz awarded \$7.2 million grant for stem cell research center



UCSC researchers coaxed mouse embryonic stem cells growing in culture to differentiate into these neurons.

The California Institute for Regenerative Medicine (CIRM) has approved a \$7.2 million grant to fund a new stem cell research center at UC Santa Cruz. The center will house an interdisciplinary program involving faculty from five departments at UCSC and collaborators at other institutions.

“We’re delighted at this latest in an ongoing line of successes in obtaining funding for cutting-edge biomedical research at UCSC,” said Bruce Margon, vice chancellor for research. “For an institution that has no medical school, but does have a history of high-quality biomedical work, major grants such as this one are wonderful affirmations of the quality of our faculty.”

UCSC has now received a total of more than \$16 million from CIRM for new facilities and grants for individual researchers.

“It’s not just our faculty and their students who will benefit from this funding—these resources will allow innovative approaches to some of the most serious diseases that impact our citizens,” Margon said.

NEA grant lauds poetry of Robinson Jeffers

UC Santa Cruz is one of three California organizations that received grants in May from the National Endowment for the Arts to celebrate the poetry of Robinson Jeffers (1887–1962).

UCSC, the National Steinbeck Center, and the Robinson Jeffers

Tor House Foundation will each receive funds to host a range of activities centering on Jeffers’s life and work. Once shunned for his unpopular political views and harsh critiques of mankind’s egotism, Jeffers has regained



Robinson Jeffers

popularity in recent years as one of environmentalism’s most forceful poet-advocates. Featured on the cover of *Time* magazine in 1932, Jeffers’s major works include the *Roan Stallion*, *Tamar and Other Poems* (1925), *The Women at Point Sur* (1927), and a 1946 adaptation of the Greek drama *Medea*.

UCSC will host a symposium on the work of Jeffers, which will include a staged reading of his adaptation of *Medea* and readings by award-winning poets Adrienne Rich, Li-Young Lee, and Mark Jarman.

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Founders Day OCTOBER 24, 2008

Cocoanut Grove, Santa Cruz

UCSC’s Gala Dinner Celebrating Outstanding Achievement

Honoring

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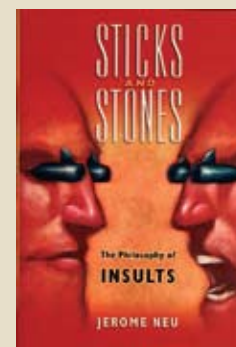
DANA PRIEST, UCSC alumna and award-winning reporter for the *Washington Post*

PATRICIA ZAVELLA, UCSC professor of Latin American and Latino studies

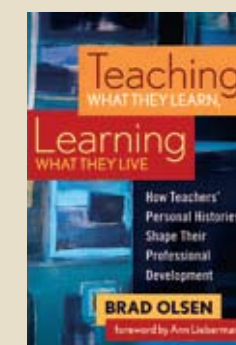
For tickets, call (831) 459-5003.

NEW RELEASES

from the UC Santa Cruz community



Sticks and Stones: The Philosophy of Insults (Oxford University Press, 2008), by UC Santa Cruz humanities professor Jerome Neu, explores the nature, purpose, and ultimate effect of insults. Employing a wide range of examples—from Aristotle to Eminem—Neu examines how notions of insult shape our beliefs about character, honor, free speech, social interaction, and law.



Introduction to Feminisms, Professor Bettina Aptheker’s popular class, is now recorded on a set of broadcast-quality DVDs. A deeply compelling speaker, Aptheker mixes art, poetry, guest speakers, historical essays, slides, videos, and music into a multifaceted course that lingers in the minds of undergraduates long after they leave the classroom.

Teaching What They Learn, Learning What They Live: How Teachers’ Personal Histories Shape Their Professional Development (Paradigm Publishers, 2008), by Brad Olsen, assistant professor of education at UC Santa Cruz, tells the stories of four aspiring teachers to illustrate the ways in which their teacher-credential programs did—and did not—acknowledge their personal histories. He focuses on the often hidden ways that teachers’ personal histories shape their professional learning.



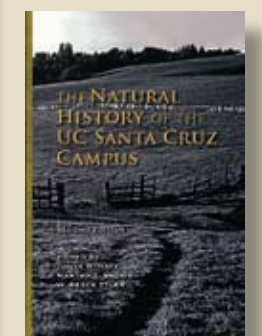
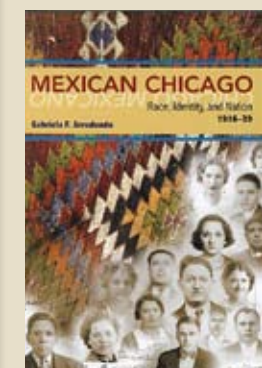
Mexican Chicago: Race, Identity, and Nation (University of Illinois Press, 2008), by historian Gabriela Arredondo, an associate professor of Latin American and Latino studies at UCSC, focuses on the experiences of Mexican immigrants in the Windy City during the years 1916–1939, a period when labor shortages brought large numbers of Mexicans to work in Chicago’s major industries.

Confronting the Coffee Crisis: Fair Trade, Sustainable Livelihoods and Ecosystems in Mexico and Central America (MIT Press, 2008), edited by UCSC professors Stephen R. Gliessman and Jonathan A. Fox and coauthors Christopher M. Bacon, V. Ernesto Méndez, and David Goodman, presents a series of case studies showing how small-scale farmers manage ecosystems and organize collectively as they create opportunities for themselves in the coffee market.



A second edition of **The Natural History of the UC Santa Cruz Campus** (Bay Tree Bookstore, 2008), edited by Tonya Haff, curator of the UCSC Museum of Natural History Collections; Martha Brown, Center for Agroecology and Sustainable Food Systems’ senior editor; and W. Breck Tyler, research ornithologist for the Institute of Marine Sciences, is packed with information about the campus’s human history, geology, plants, mushrooms, lichen, and animals.

An Unnatural History of UCSC (Bay Tree Bookstore, 2008), edited by lecturer in writing Jeff Arnett, grew out of a UCSC writing class in which he asked students to research cherished and sometimes hidden sites on campus. The book tells the stories behind UCSC’s natural and unnatural wonders, past and present, including Porter Cave, the Labyrinth, Elfland, the Koi Pond, and Fort Peace.



For the full text of these stories and more news, go to currents.ucsc.edu



Pumas, also known as mountain lions, are secretive animals, but a UCSC team is poised to learn a lot about them in coming months.

UC Santa Cruz to lead pioneering study of pumas

A pioneering study of pumas in the Santa Cruz Mountains will generate unprecedented insights into the behavior of one of the region's top predators.

Led by an interdisciplinary team of researchers at UC Santa Cruz, the project will shed light on the movement, range, physiology, and predatory habits of pumas, also known as mountain lions. UCSC is collaborating with the Felidae Conservation Fund and the California Department of Fish and Game on the project, with additional support from California State Parks.

Understanding puma behavior is important as development pressures contribute to more frequent encounters between humans and mountain lions. The Bay Area Puma Project will utilize novel technology developed at UCSC to answer questions that have so far evaded scientists.

Ecologist Chris Wilmers, assistant professor of environmental studies at UCSC and the lead investigator on the project, and Terrie Williams, a professor of ecology and evolutionary biology at UCSC, will team up to explore questions of puma behavior, physiology, and ecology.

"We're trying to learn as much as possible about mountain lions—where they live, what their range and dietary needs are, and how to minimize conflict with humans," said Wilmers.

Kudos



Claire Max, professor of astronomy and astrophysics, has been elected to the **National Academy of Sciences** in recognition of her distinguished and continuing achievements in original research. Max is a pioneer in the field of adaptive optics, a technology that allows telescopes on the ground to see as clearly as if they were in space.



Thorne Lay, professor of Earth and planetary sciences, has been elected a fellow of the **American Academy of Arts & Sciences**. An eminent seismologist, Lay is known for his contributions to earthquake seismology, the use of seismic waves to probe the structure of the deep Earth, and the development of methods for monitoring the Comprehensive Nuclear Test Ban Treaty.



Georges Van Den Abbeele, dean of humanities, has been awarded the 2008 **Blaise Pascal Medal for Social Sciences** by the European Academy of Sciences. A scholar of French literature and philosophy, Van Den Abbeele was recognized for contributing "to the rethinking of human and social studies in a contemporary context..."

National engineering honor society Tau Beta Pi vice president **Solange Dao**, UCSC undergraduate and chapter president **Erik Pasternak**, and professor of computer engineering **Richard Hughey** pose with the Tau Beta Pi charter at a ceremony marking the installation of a UCSC chapter.



Students donned safety gear before touring a steel plant in Iowa.

Midwest factory tour brings learning to life for students

Educators who encourage their students to get out of the classroom don't typically direct them to steel mills, glass factories, and soda-pop bottling plants.

But that's exactly what environmental studies professor Daniel Press had in mind when he offered a new senior seminar last spring that included tours of industrial operations in four states. The goal? To learn firsthand about the challenges facing U.S. manufacturing today, including how to reduce energy usage, consumption of raw materials, and pollution while competing in fierce markets with China and other developing nations.

And learn they did.

"It's a whole different level of learning to actually go there and to apply what we'd written about to things we were seeing," said Nicole Nakagawa. "To learn about policy from industry leaders—that's something you can't get out of a book."

The class met with plant managers, corporate officials, union representatives, environmental regulators, and others as they explored the forces shaping U.S. industry. Students chose the topics of their term papers, and all agreed that the "field trips" took their understanding to new levels.

2008 Irwin Scholar hopes to make an impact with his art

Levi Goldman transferred to UCSC in 2006 after taking art classes in sculpture and photography for several years at Cabrillo College. At the university, he took a variety of classes in electronic arts, film, and new media to see if he was interested "in going down any of those roads." He eventually returned to his main interest—sculpture—and has focused on that work for the past year.



Now in his senior year, Goldman was selected as a 2008 Irwin Scholar and has received a \$2,500 merit award to further his art education. This latest award caps an impressive year of honors, including an Irwin Project Grant award, the Florence French scholarship, and a grant from the UC Institute for Research in the Arts.

"UCSC has invested in me incredibly—continuing to support my work and my growth, and helping me push the boundaries of my art," said Goldman.

His future plans include applying for artist's residencies and working on his graduate school portfolio.

"I think I want what every artist wants," he said. "I want to be in a community of artists that engage me as I engage them. I want to be continually expressing myself and evolving in my work. And I want my art to make an impact on society."

UCSC team 'instrumental' in space telescope success

Physicists and astronomers at UC Santa Cruz cheered NASA's successful launch of the Gamma-ray Large Area Space Telescope (GLAST) from Cape Canaveral on June 11. A UCSC team led the international effort to design and build a massive detector system for GLAST, which will explore the most extreme environments in the universe. Project scientists began turning on the instruments within a week after the deployment of the telescope in orbit about 350 miles above the surface of the Earth.

For UCSC physicists Robert Johnson and William Atwood, it was the culmination of nearly 16 years of work. Their team was responsible for the gamma-ray-detecting system on the spacecraft's Large Area Telescope, one of GLAST's two main components. Over the years,



approximately a dozen UCSC undergraduates, six graduate students (two currently working with Johnson), and five post-doctoral physicists contributed to this huge undertaking.

Scientists expect the orbiting telescope to detect thousands of hitherto unknown gamma-ray sources. With its extraordinary sensitivity and wide field-of-view, it is the first imaging gamma-ray observatory capable of scanning the entire sky every three hours on a daily basis.

CELEBRATIONS



During a festive week in June, thousands of students celebrate their achievements, and the campus inaugurates a chancellor



In the words of poet T. S. Eliot, “What we call the beginning is often the end. And to make an end is to make a beginning. The end is where we start from.”

Over nine days in June, the UCSC community celebrated endings and beginnings in ceremonies commemorating the inauguration of its 10th chancellor, George Blumenthal, and commencement exercises honoring nearly 2,600 graduates of the 10 undergraduate colleges and various graduate programs. The campus also celebrated Student



Achievement Week, which annually recognizes especially noteworthy accomplishments in an array of disciplines.

Review dispatched photographers to capture these memorable moments. We hope you enjoy this tapestry of change, renewal, hope, accomplishment, and pride.



ALL PHOTOS ON PAGES 6 AND 7 BY SHMUEL THALER, EXCEPT CENTER PHOTO ON PAGE 7, BY JIM MACKENZIE

CELEBRATIONS



Chancellor George R. Blumenthal

Inaugurating Chancellor Blumenthal



UC Board of Regents Chairman Richard Blum presided over the ceremony.



UCSC Academic Senate Chair Quentin Williams led the inaugural procession with a new campus mace featuring the famous banana slug.



A perfect ending: the recessional, led by a mariachi band



Konstantin Batygin won top prize for his senior thesis, "The Dynamical Stability of the Solar System."

Recognizing student achievement

Student Achievement Week, a showcase of undergraduate research, artwork, and performance, culminated with an awards ceremony in a temporary pavilion on the East Field (pictured below). Hours earlier, the pavilion served as the site of Chancellor Blumenthal's inauguration.

UCSC alumnus Loren Steck (right) was on hand to present the Steck Award, honoring the year's best senior thesis, to Konstantin Batygin. Batygin was one of 15 recipients of the Chancellor's Award, presented annually to the highest-achieving undergraduates.



Mary Silver Professor of Ocean Sciences

Chris Lauf Porter '06, biology; jazz minor

Unlocking the Mysteries of the Sea

"BASICALLY," muses Mary Silver, peering into a sample of tiny drifting algae (plankton) taken from the Santa Cruz wharf, "I'm an old-fashioned naturalist who looks at organisms with my eyes and my microscope."

Her research toolkit is, of course, much more high-tech than that, including underwater robots and remotely operated vehicles for deep ocean sampling. But Silver's perspective as a naturalist is at the heart of her career, which now spans more than three decades.

The oceanographer, 66, is best known for her landmark "marine snow" research, revealing the key role this constant shower of mainly organic detritus plays in ocean ecosystems. In recent years, Silver has shifted her attention to the harmful algal blooms (HABs) that plague coastal waters, tracing how HAB toxins cascade through marine food webs to poison fish, birds, marine mammals, and eventually humans.

Silver's research accomplishments more than secure her place in the annals of oceanography, but she is also widely recognized for her pioneering role as a woman field scientist.

"When I was a grad student at Scripps Institution of Oceanography in the mid 1960s, almost all researchers were male," recalls Silver. She was one of the first women to serve as chief scientist on a Scripps research vessel—and



when the cook on that voyage asked her to mend his pants, "I did," she says dryly, "with a great sense of both the irony and the humor of the situation!"

In 1972, Silver became the third woman faculty member of UCSC's Division of Natural Sciences. She was only the second to have children, and had few role models as she balanced the birth of her first child with the demands of tenure review. According to fellow UCSC professor of ocean sciences Peggy Delaney, "Mary led the way for people with strong family commitments to go to sea; we wouldn't be here without her."

Silver is a valuable mentor for grad students and young faculty—and she is equally dedicated to undergraduate teaching. Top faculty rarely teach large introductory classes, but Silver loves the 200-student course *Life in the Sea*. "Students are so open-minded and excited," she says. "I learn as much from them as they do from me."

Silver plans to retire at some point but will continue teaching and research, especially, she says with enthusiasm, "spending time at sea." She will also play more music (she is an accomplished pianist and a novice hammer dulcimer player) and pursue an emerging love of photography. Silver is rapidly gaining recognition for her exquisite shots of microscopic marine organisms.

—VICTORIA BOLAM

"Students are so open-minded and excited. I learn as much from them as they do from me."

Pedaling Science in the Outback



But the most popular demonstration is Wheel Up a Hill. "We make a bicycle wheel roll up an incline by attaching a hidden weight to the rim; the weight falls and pulls the wheel up. Kids are stunned every single time."

Unfortunately, there is no such uphill magic for Lauf and Jones as they pedal their heavily loaded bikes (each carries more than 80 pounds of gear, not including food and water) up some of Australia's toughest climbs. Although Lauf keeps a sharp eye out for crocodiles, the biggest problems so far have been torrential rains and a windstorm that sent Jones's tent sailing down the highway. That and getting enough to eat. "With all this cycling, it's unbelievable how much food we consume," joked Lauf, whose lanky 6-foot frame is becoming lankier by the day.

Lauf and Jones are already hatching plans for new projects that mix adventure, sustainable transportation, and education. "We welcome suggestions," says Lauf. "Maybe Niagara Falls in a barrel? The Sierras by pogo stick?"

To find out more about the Cycling Scientists, visit their web site and blog at www.cyclingscientists.com.

—VICTORIA BOLAM

Victoria Bolam (*College Eight '75, community studies*), is a freelance writer living in Santa Cruz.

CHRIS LAUF is a confessed bicycle fanatic—he rides them, of course, and he also plays bikes as percussion instruments and even uses a pedal-powered blender. But Lauf, 25, also loves teaching science—and he's found an unusual way to mesh his passions.

In April, Lauf and partner Danene Jones set off on a seven-month, 2,000-mile bicycle trek through Australia's Cape York Peninsula, taking their Cycling Scientists program to dozens of remote out-

A potted cactus named Charlie helps demonstrate the effects of gravity.

back schools. Their dynamic shows and workshops put bikes center stage to help kids explore physics, sustainable energy, and sustainable transportation.

"The story line of the show is based on our cycling adventure," says Lauf. "A bicycle stand lets me 'ride' on stage, and I often

jump on and off, sometimes with flaming rocket balloons on my back. A bike-powered dynamo runs lights and buzzers to show the transformation of moving energy to electrical energy."

A potted cactus named Charlie helps demonstrate the effects of gravity. "We swing him like a giant pendulum toward a terrified teacher's face. Just before impact, we place a balloon in front of the teacher, and Charlie slams into the balloon, popping it with his spikes."

43 THINGS

you might not know about UC Santa Cruz

You know about UCSC's mascot—the slow, humble, neon-yellow banana slug, a choice at once both eccentric and defiant.

You might know about the exceptional astronomy program and the intimate feeling within the campus's individual colleges. You probably have a favorite secret spot deep in the redwoods, or maybe you know UCSC's 25-plus miles of hiking and jogging trails like the back of your hand.

But we suspect there are things you *don't* know about the 2,000-acre campus nestled in the rolling hills above the Monterey Bay.

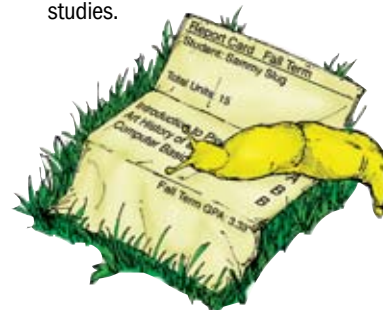
You may not know how a goat changed campus policy, that one of the country's best-selling romance novelists went to school at UCSC, or that you may one day have the campus to thank for more powerful online search engines.

In honor of the campus's 43rd year, here are 43 things we bet you didn't know about UC Santa Cruz. We think many of them will surprise and delight you—and maybe even inspire you to send us a few of your own.

By Peggy Townsend

Contrary to popular opinion

1 Despite its reputation for having some of the top science programs in the country, the **10 most popular undergraduate degrees last year** were psychology, business management economics, literature, politics, history, environmental studies, sociology, anthropology, film and digital media, and community studies.



2 UCSC's history of using narrative evaluations has led many to think the campus has never issued grades. In fact, **faculty voted in 2001 to issue grades**—in addition to the distinctive narrative system.

3 Huge lecture classes are the norm at most public universities, but at UCSC, 72 percent of upper-division courses and 58 percent of lower-division courses have **fewer than 30 students**.

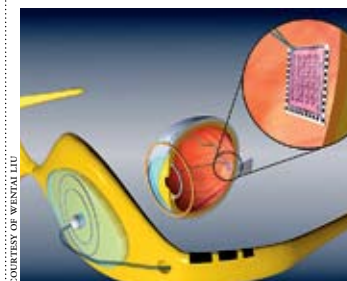


4 Firmly committed to NCAA Division III status, UCSC isn't considered a sports powerhouse. But there are teams successfully competing at the national level; for example, men's tennis was the first D-III team to win both an indoor and outdoor tennis championship in the same year. Under coach Bob Hansen, the UCSC men's tennis team has won a total of **six national championships**.

5 Despite a budget that is about half the size of similar schools, UCSC's athletics program counted **15 All-American athletes** last year.

Nurturing brainiacs

6 Starting from very modest beginnings in the early 1980s, UCSC's Linguistics Department has grown to be an internationally recognized force in linguistic theory. Its undergraduate program is ranked **No. 1 in North America**, and its graduate program is in the top five. Its graduates are sought after by high-tech companies for developing intelligent search engines, more-intelligent dialog systems, better voice recognition and synthesis systems, and increasingly, in the key areas of naming and branding.



7 Work being done at UCSC may one day allow the blind to see. Clinical trials are under way for an **artificial retina** developed by bioelectronics engineer Wentai Liu and collaborators. Ten patients are enrolled in the U.S. trial and have received the new implant.

8 Military strategists at U.S. Central Command invited environmental studies professor Alan Richards to **brief top Pentagon officials about the war in Iraq**.

9 In 1984, three UCSC cosmologists and a British astronomer published a paper detailing their **theory of Cold Dark Matter** which explained the existence of an invisible form of matter that can be detected

only through its gravitational effects on visible matter in space. Today, their theory is the basis for the modern picture of structure formation in the universe. The scientists were Martin Rees (now the royal astronomer of Britain), Joel Primack, Sandra Faber, and the campus's newest chancellor, George Blumenthal.

10 A UCSC professor found a silver lining in a failed effort to create an AIDS vaccine. Phillip Berman, chair of biomolecular engineering, helped develop an **HIV data browser** that gives researchers access to data from the vaccine's clinical trials that may help them better understand how the virus evolves and causes new infections.

11 UCSC physicists and astronomers are among the most respected in the world. The campus was ranked **first in the country** for the impact of its faculty in the field of physics and fifth in space sciences for 2007. The newsletter *Science Watch* reported that a study of the number of times a published paper is cited by other researchers—a measure of important findings and ideas—put UCSC's faculty on top.

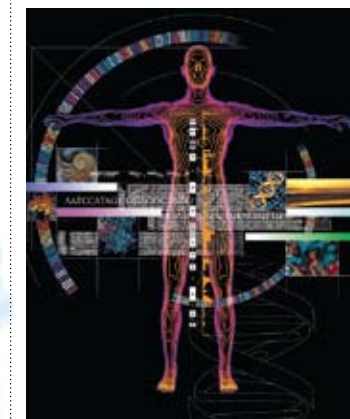


12 Plane land right on time? You may have UCSC to thank for that some day. UCSC is managing a 10-year, \$330 million national research program under an agreement between NASA and UC to work on **human space exploration, air traffic management, and nanotechnology**. Among projects at the University Affiliated Research

Center at Moffett Field is software development that will help air traffic controllers reduce delays and increase safety for air travelers.



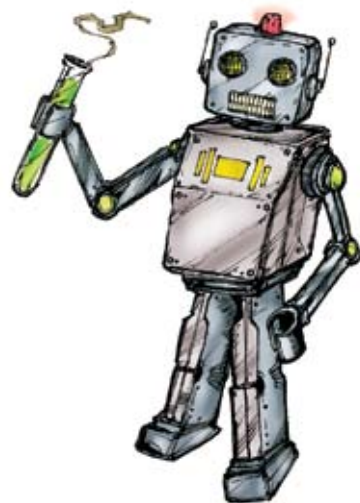
13 UCSC astronomer Jerry Nelson helped design the **world's largest optical telescopes**—the twin Keck Telescopes in Hawaii. Now, Nelson is project scientist for an even bigger telescope, one that will allow astronomers to look back in time to when the first stars and galaxies were forming. The new telescope will have a 30-meter mirror, providing 10 times the light-gathering area of each of the Kecks.



14 In 2000, UCSC researchers were the **first to assemble the DNA sequence of the human genome** and make it publicly available. Today, thousands of biomedical researchers worldwide use UCSC's Genome Browser in their work to uncover the causes of diseases and develop treatments.

15 If you want to work faster, researchers at UCSC learned it helps to get a robot. The campus opened a Chemical Screening Center

43 THINGS you might not know about UC Santa Cruz



Alumni aim high

18 Five UCSC alumni have won Pulitzer Prizes.

Washington Post reporter and Merrill College alumna Dana Priest won Pulitzers in 2006 and 2008 for reporting on the government's "black site" prisons and the mistreatment of wounded veterans at

in 2007 that uses **six robots** and **a library of 55,000 compounds** to test chemical compounds for use in treating cancer, malaria, Parkinson's disease, and inflammation, among other ailments. The robots can help perform up to 30,000 experiments a day.

16 Studying how the ungainly looking Weddell seal can hold its breath for as long as 90 minutes under the Antarctic sea ice may have implications for **understanding stroke and aging in humans**. A study led by UCSC professor of ecology and evolutionary biology Terrie Williams is looking at how these seals protect themselves from the effects of low levels of oxygen.



17 UCSC has garnered \$16 million in funding for its **stem cell research center**, which is doing studies that have the potential to help treat stroke, spinal cord injuries, neurodegenerative diseases, and certain heart diseases and cancers.



Clockwise, from top: Priest, Mendoza, Tobar, Wells, Garrett

Walter Reed Army Medical Center (see story, page 25). Hector Tobar, a *Los Angeles Times* reporter, won a Pulitzer in 1992 for coverage of the L.A. riots; Laurie Garrett won in 1996 for her reporting on the Ebola virus outbreak in Zaire; Annie Wells won in 1997 for her photo of a California flood victim; and Associated Press National Writer Martha Mendoza won a Pulitzer in 2000 for an investigative story about the massacre of South Korean refugees by the U.S. military during the Korean War.

19 Since the campus opened 43 years ago, 638 UCSC alumni have heeded the call to work in developing countries for the Peace Corps. The number puts UCSC **sixth in ranking among medium-sized schools** for the number of alumni it has sent to the Peace Corps.



20 One of the country's most prolific writers, with 23 million copies of her books in print, graduated from UCSC. **Best-selling romance novelist** Jayne Ann Krentz (Stevenson '70), who also writes under the names Amanda Quick and Jayne Castle, even included the work of one of her favorite professors, G. William Domhoff, in her 2004 novel *Falling Awake*.

21 NPR's famous duo, the **Kitchen Sisters**, Nikki Silva (Porter '73) and Davia Nelson (Stevenson '75), are graduates of UCSC. Over the years, the two women have attracted devoted listeners to several series, including *Lost & Found Sound*, *Hidden Kitchens*, and the *Sonic Memorial Project*, an audio archive of the World Trade Center.

Legend has it



22 UCSC's famous **banana slug** mascot almost didn't survive the '80s. Back when the university joined the NCAA, the chancellor and a group of student athletes changed the campus mascot to the sea lion, figuring a slimy yellow slug didn't have the cachet they wanted. But students revolted and, in a 1986 referendum, voted by a 15-to-1 margin to keep the banana slug, thereby guaranteeing UCSC would always join the Whittier

Poets and the Ohio Wesleyan Battling Bishops on the list of most unusual mascots in the country.

23 When the UC Regents were considering a site for a new Central Coast campus, the story goes, they considered possible locations in the Almaden Valley in Santa Clara County as well as Santa Cruz. But coming over the Santa Cruz Mountains on a blistering summer day, they felt the **cool ocean breezes** and picked the Cowell Ranch property in Santa Cruz.



24 The reason dogs aren't allowed on campus is due, in part, to a **goat named Samantha**. Samantha, who had become besotted with a police horse named Sam and was its constant companion, was killed by a big Shepherd/Lab mix whose owner had brought it to campus for a run. The campus was already considering a no-dog policy, but Samantha's 1978 death was the last straw. You can still see Samantha's gravestone on a hill on the left side of Coolidge Drive and signs that warn against bringing dogs to the campus.

25 UCSC has a long **history of protests**, but one had an especially ignominious ending. A protest over People's Park in Berkeley had brought a camp-in to the lawn of University House, and administrators had spent hours in negotiations, finally persuading campers to leave. But as protesters packed up, then-Chancellor Dean McHenry decided to take matters into his own hands and turned the sprinklers on the protesters. Needless to say, negotiators were quickly back at square one.

26 Over the years, reports of ghostly apparitions on a fire road below Cowell College have prompted the area to be named **Haunted Meadow**. It was in that area on May 14, 1903, that young Sarah Agnes Cowell was killed when she was thrown from a buggy after the horse bolted.



27 **Humans first arrived** on what is now the campus 12,000–16,000 years ago.

28 Within the campus boundaries are at least 50 **sinkholes**, dozens of springs, a number of creeks that stop abruptly and disappear underground, and two small caves. This type of topography, called karst, is common in some parts of the world but rare in the western United States.

Really special collections



29 The largest holding of **Edward Weston photographs** in the country is in the University Library's Special Collections Department. Over the years, the library has lent a number

of the influential Central Coast photographer's 900 project prints to institutions such as the Metropolitan Museum of Art in New York and the San Francisco Museum of Art.

30 **Deadheads** may one day be making pilgrimages to UCSC Library's Special Collections Department—as they once did to the iconic Fillmore auditorium in San Francisco. The famous American jam band donated all of its memorabilia, from stage props to original documents and tie-dyed T-shirts, to UCSC, where it will be housed in a room appropriately dubbed Dead Central (see story, page 22).

31 When avant-garde composer **John Cage** wasn't creating music, he was hunting for mushrooms. The celebrated composer's entire mycological collection, including field guides and a mushroom tie he wore, is held by the University Library's Special Collections Department.

32 A lot of what happens in UCSC's science and engineering departments may seem like science fiction. But if you're looking for real science fiction, you'll find some of the most famous works of the genre archived at McHenry Library. Hugo Award-winning **science fiction writer Robert Heinlein**—author of *Stranger in a Strange Land*, *Starship Troopers*, and other classics—lived in Santa Cruz for two decades and was one of the first "friends" of McHenry Library. The author's complete archive, including original manuscripts, is available at UCSC's Special Collections.

Fascinating factoids

33 Among all U.S. engineering schools, UCSC ranked third in the percentage of **masters degrees awarded to women**. In 2007, 44.2 percent of master's degrees awarded by UCSC's Baskin School of Engineering went to women.



34 More than **77,340 degrees** have been awarded at UC Santa Cruz since its first graduating class in 1967.

35 Thirty-six percent of last year's freshman class were the **first in their families** to attend college.

36 The UCSC campus is home to more than **500 plant species**, an extraordinary level of diversity on its 2,000 acres.



37 UCSC started a very popular **computer game design** major in 2006, the first of its kind in the UC system.

38 UCSC athletic teams have taunted opposing teams by wearing T-shirts with the slogan, "Banana Slugs—No Known Predators." But that's not exactly true. On campus, **known predators** include California giant salamanders, garter snakes, shrews, and raccoons. Even humans have been known to eat banana slugs, in emergencies.

Growing greener

39 More than 1,000 graduates of the **Apprenticeship in Ecological Horticulture** have fanned out around the globe, cultivating the seeds of sustainability.

40 Per capita **campus water consumption has fallen 40 percent** since the 1980s as a result of conservation efforts.



41 UCSC buys enough renewable power certificates to offset 100 percent of the electricity that powers the campus, making UCSC the **sixth-largest campus purchaser of "green power"** in the country, according to the EPA.

42 Since their introduction on campus in fall 2007, Zipcars have become so popular that the UCSC fleet is the **best-utilized and fastest-growing car-share program** of any university in the country.

43 About a quarter of the produce served on campus is **certified organic**, and approximately half of that comes from local farmers.



Author **Peggy Townsend** is a Santa Cruz writer whose son attends UCSC. **Peter Stults** (Merrill '04) illustrated 2, 12, 15, 22, and 34.

Got an "unknown" of your own?
Contact us at review@ucsc.edu.

If you could advise the next president of the United States, what would you say?

Review asked six UCSC experts what the next president's top priorities should be.

Here are their responses.

Mr. President...

Interviews conducted by Jennifer McNulty



Restore democracy to elections

Our country is beginning to look like an hour glass as the rich get richer, the poor get poorer, and the middle class gets squeezed. Your challenge will be to rethink the goals of our government and the values of our country as far as establishing safety nets and caring for the poor.

Americans are not as socially minded as our European counterparts who pay high income taxes, yet we still want the same government services Europeans enjoy. We can't do both, so you'll be faced with difficult decisions.

As an elected politician, however, your ability to make independent decisions will be severely constrained by the pressures of special-interest groups and your own desire to be reelected, which is why your first order of business should be to seek widespread public support for meaningful campaign finance reform.

The current campaign-finance system undermines the central tenets and principles of democracy because it allows people with a lot of money to influence government way beyond anything that could be interpreted as free speech. Reforming the way we elect the president and members of Congress will counterbalance the influence of major corporations, unions, and all other interest groups.

We need to increase public funding for campaigns and decrease the cost of running for office. We need stricter controls on campaign contributions, and we need to make it easier for people to vote by extending elections to several days, including a weekend.

If we believe government is supposed to be accountable to its citizens, protect people equally, and provide opportunities for a satisfying quality of life, we need to correct the injustices in society. It won't happen overnight, but campaign finance reform is the first step.



Sheldon Kamieniecki

Dean of Social Sciences and Professor of Environmental Studies

Research focus: Elections, environmental policy, politics



Daniel Wirls

Professor of Politics and department chair

Research focus: U.S. politics, Congress, the presidency

Rethink military spending

The most difficult thing you're going to face is controlling military spending. Unless you make tough decisions about which Pentagon programs to cut, you will never have any budget flexibility.

Pentagon spending has gone unchecked for years. The Pentagon budget is \$500 billion a year, on top of what we're spending on the wars in Iraq and Afghanistan. That's up two-thirds from 2000, for the largest increase we've seen since the unprecedented military buildup during Reagan's presidency. But at least then the public was aware of it. There was debate in Congress.

This spending is considered politically untouchable. Democrats are having a tough enough time figuring out how to extract the country from Iraq, and they have no political capital to spare.

Which is why you need to rethink the U.S. role in the world. The United States makes up half the world's military spending. We're so far ahead of everybody else, our military might isn't an issue. You have an opportunity to reconfigure our foreign and military policy so we're cooperating with our wealthy and closest allies—Great Britain, France, Germany, Japan, Australia. They will have to increase spending, and we will have to get away from this unilateral model.

Our buildup has given our allies a blank check to take care of their welfare states. In the meantime, our bridges are literally collapsing. And it's not just the money, it's the talent—the engineers and scientists. The Pentagon is spending \$75 billion a year on research and development. Those experts aren't solving the energy crisis.

When people say we can't afford national health care, I urge them to look at the Pentagon budget. Those commitments are going to be very hard to back away from, but some of that money could do other things. You are going to have to make tough decisions about where to cut, or you won't have any money to do anything else.

EXCEPT FOR THE PHOTO OF RODNEY OGAWA (WHICH IS COURTESY OF RODNEY OGAWA), ALL FACILITY PORTRAITS ARE BY JIM MACKENZIE

Strengthen the middle class

Part of the American dream is the belief that your kids will do better than you, and I think we're losing that. Your focus needs to be on strengthening the economic status and security of the middle class.

There's an awareness now that the private sector alone can't solve problems like health care and the environment. Business interests are more amenable to government leadership. Employers like General Motors are paying huge amounts to provide health insurance to their workers, and their overseas competitors don't have that same burden. There's a role for government, and moving toward universal, affordable health insurance would be a major development strengthening the middle class, as would reducing the high cost of college through more federal financial aid.

I want you to be more fiscally responsible and to address the budget deficit. We need to broaden the base that pays into government programs like Social Security and Medicare by

increasing taxes on those with the highest incomes. We've been through eight years of tax cuts only to the wealthy. Middle-class and working-class tax cuts should be on the table.

At the same time, borrowing to rebuild our nation's roads, buildings, and schools is entirely more suitable than borrowing to fund a war. So, I'm not saying budgets have to be balanced, but we need to move toward balance.

We also need to strengthen worker-assistance programs to help all workers who lose their jobs. We need to raise the federal minimum wage. Workers need paid family leave, and you need to move vigorously to ensure that when workers want to unionize, they have the freedom to make that choice without intimidation.

Job growth should be linked to environmental protection. It's going to take your strong leadership, because it's going to require technology and innovation, but that's what the United States does well. It's our moment, and we should grab it.



Lori Kletzer

Professor of Economics

Research focus:
Labor and employment,
global trade

Confront climate change

Climate change is the single biggest challenge facing your administration. As a nation, we need to reduce our current carbon emissions by 50 to 80 percent to stabilize the climate, and we need to take a big bite out of that within 10 years.

There is a suite of things you need to do to get serious about climate change: introduce a carbon tax, invest in new technology, and provide greater incentives for renewable and alternative energy. There's still a role for conservation, because we can't rely on government alone, so changing individual behaviors is part of the cultural mindset you need to modify.

I want to see more support for manufacturing in the form of tax incentives, and I urge you to go to the next round of World Trade Organization talks and push for higher environmental standards, so our policies won't make U.S. manufacturers less competitive in the global market.

But climate change also presents an opportunity for job creation in redevelopment, retrofitting, installation, and manufacturing. A greener economy requires new things to be made and old things to be improved, and that translates to site-specific, skilled jobs that can't be outsourced to India.

All of this will require presidential leadership, but it won't take long for new tax policies and research investment to bear fruit.

There's a lot of pent-up frustration and concern, so you won't be starting from scratch. I don't agree when people say climate change is an unprecedented challenge for humanity. Time and again, people have reached into themselves and found what it takes to surmount what appeared to be impossible obstacles. So let's do it.



Daniel Press

Professor of
Environmental Studies
and department chair

Research focus:
Environmental politics
and policy

What do you think the new president should do?
E-mail us at review@ucsc.edu.

Margaret Delaney

Professor of Ocean
Sciences

Research focus:
Paleoceanography and
marine geochemistry



Lead the way on global warming

You have an incredible opportunity to cut through the confusion and misinformation around climate change and help Americans become role models for the world.

First, we need a coherent and concise summary of the scientific evidence that climate change is real, and we need a communications campaign to help people understand what they can do that will have the greatest impact. We need to empower people to make informed decisions.

Second, you need to focus on our national energy policy, starting with more ambitious fuel-economy standards. We need to invest in alternative energy, increase energy efficiency, and reduce consumption. You need to work with Congress to set a new tone in this country.

Third, we need an interdisciplinary research strategy that will support our energy policy and the outreach and education effort. We need to continue scientific research, but the agenda needs to include social science, too, because we need to influence behavior and spur people to action.

Lastly, the United States needs to take an international leadership role. China's government is reluctant to embrace environmental controls, because what they need is economic growth. You have an opportunity to rethink U.S. foreign policy and foreign aid in ways that will overcome this apparent dichotomy. The deployment of American ingenuity and technological innovation around the globe would benefit developing nations and help stabilize the climate.

We worked with our global partners to solve the ozone problem, and we did it in ways that benefited U.S. industries. We've squandered decades allowing the debate to be about whether climate change is real. It's time for large-scale change, and we need you to lead the way.

Want more? Watch highlights of interviews with our experts at review.ucsc.edu/fall08/.

Reinvent education

Our public school system, designed in the 19th century, is working exactly the way it was designed to work: It batches and categorizes kids by ability, and it tracks children to prepare them for different levels of employment and roles in civil society.

But we have very different aspirations and problems in the 21st century. Our schools are clearly failing kids from low-income and racially, culturally, and linguistically marginalized backgrounds, and we've got to do something about it.

First, we need to revamp the No Child Left Behind legislation. Everyone agrees schools should be held accountable, but right now they're being held accountable to a single test score, and that isn't adequate. So let's develop appropriate and genuine ways to assess student learning and school performance.

But our public education system needs more than reform. As an organizational researcher, I know how resistant organizations are to

change, and after 150 years, I think it's time to reinvent the American school. I challenge you to begin the process in ways that will generate radical new ideas, not just tinker with the existing system.

Historically, as a nation we have relied on the marketplace for innovation. Just look at Silicon Valley. But I don't have much confidence in the marketplace as a mechanism for serving poor and marginalized populations.

The other great American tradition is democracy. As president, you can create government incentives to bring people together at the local level to decide what their schools should look like. I think we need to create civic arenas to find fresh ideas about schools.

If we get beyond the historical legacy of schools, what other cultural traditions can we draw on to enhance learning for kids? I don't have all the answers, but you, as president, can begin a much-needed national conversation.



Rodney Ogawa

Professor of Education

Research focus:
Educational reform, school
organization, leadership

A library for the 21st century

McHenry turns a page



By **Gwen Mickelson**
Photos by **Phil Carter**

When Raul Flores's father was a boy growing up in Mexico City, he loved going to the library, immersing himself in the knowledge contained in the books there, delighting in the feel of the pages, savoring their smell.

His dad instilled in Flores that same reverence for a library's offerings. But as a 21st-century college student, Flores, 21, goes to the library for much more than books.

A third-year sociology major from Mission Hills, Flores might hit the library's Media Center to check out DVDs or videotapes for class, including movies such as *El Rojo Amanecer*, about the Tlatelolco Massacre in Mexico City in 1968. He might then sit at one of the terminals in the Information Commons and search online databases for sociological articles. After working for a while, he typically meets up with friends at the library to work some more, chat, and hang out.

As a generation born into the information age hits the books—or the Internet—campus libraries are adapting to the needs of a new, hyperconnected student.



UCSC students Christina Carabajal and Raul Flores connect from McHenry Library's reading lawn, which is part of the library's wireless network.

Libraries "are a lot more digital than they were in my parents' generation," says Flores. "Everything's a lot more interconnected."

Flores is part of a sweeping shift in how students use uni-

versity libraries and, in turn, how libraries are redefining their role on college campuses.

Today's undergraduates—most born between 1986 and 1990—have come of age with the Internet, Google, cell phones, e-mail, RSS feeds, blogs, podcasts, file sharing, text messaging, laptops, PDAs, and wireless access. And university libraries must adapt to meet the demands of this new, digital age—and the expectations of a new, hyperconnected user.

"When I became a librarian, you pretty much had to go to a library to find out what they had," says UCSC University Librarian Virginia Steel. "Now, with resources like Google and other online services, you can just link to the contents of a library from anywhere."

In January, for example, UCSC became the first UC campus to loan a shipment of books from its library to the Google Books Library Project, which is scanning books to

make the full text publicly searchable online.

But that doesn't mean that libraries, as physical presences, are disappearing.

UCSC's McHenry Library is not only moving its catalogs and collections to the Internet, but the building is being redesigned, expanded, and reorganized to accommodate new styles of learning, rapidly evolving ways of accessing and presenting information, a trend toward social gathering, and a shift in how libraries interact with their clientele.

At McHenry, a new annex has added 81,600 square feet of light-filled space in a modern, concrete-and-glass structure. Other renovations and enhancements include:

- ▶ An electronic research center with 60 stations to access library resources
- ▶ An instructional design center to help faculty make innovative use of technology in instruction and research
- ▶ A "cyber study" room and the Global Village café—an Internet café providing social gathering space and online access



The new addition invites study and contemplation.

- ▶ Distance-learning facilities, providing support for students and faculty at remote locations, such as Silicon Valley
- ▶ Wireless networking throughout the building and outside
- ▶ Additional electronic workstations and a number of group study rooms to foster collaborative learning

Learning through collaboration

"Students collaborate much more in their learning than they did in the past," says Joan Lippincott, associate executive director of the Coalition for Networked Information in Washington, D.C.

In her observation, students today may be learning with others in a group, and may also have friends who are just there hanging out.

"In my generation, you had a social life in the dorm or wherever and an academic life in the classroom or library," says Lippincott, who labels herself a baby boomer. "Today's students have a much more fluid arrangement of academic and social life."

Libraries are also trying to pay attention to learning styles that depart from the traditional model of solitary reading, says Erika Linke, president of the Association of College and Research Libraries and

The Dead live on at UCSC

Scarlet begonias or a touch of the blues, you'll find it at UC Santa Cruz.



At the Fillmore: Bob Weir and Mickey Hart of the Grateful Dead explain why the Dead's archive is coming to UCSC.

This past April, the Grateful Dead announced that it would donate its vast and colorful archives to a campus that opened the same year the collection was started.

Documenting the history of the band from 1965 to the present, the Grateful Dead Archive will reside in the Special Collections area of UCSC's McHenry Library. The renovated McHenry Library will also include a room named "Dead Central," just inside the front door, where some items from the archive will be permanently displayed and other exhibits will rotate in and out. Other universities, including Stanford and UC Berkeley, vied for the archive. But the band thought UCSC was a perfect fit.

"We looked around, and UC Santa Cruz seems the best possible home," said Grateful Dead band member Bob Weir. "If you ever wrote the Grateful Dead a letter, you'll probably find it there!"

Library staff expects the processing of the archive to take at least two years, though parts of the collections will be debuted in stages as processing progresses. The archive includes business records, correspondence, photographs, tickets, backstage passes, flyers, posters, shirts, press clips, and awards. Framed photos by renowned photographers and unreleased videos of interviews and TV appearances will be available for viewing. The archive will also feature large stage backdrops, stained-glass pieces, props from live performances, and an extensive collection of Deadhead fan mail and gifts.

Because of the monumental size and scope of the archive, a fundraising campaign has been launched to support it and to endow a permanent Grateful Dead archivist position, according to Christine Bunting, head of Special Collections at the University Library.

► For information, including how to support the archive, visit library.ucsc.edu/speccoll/GD_archive.html, e-mail grateful@ucsc.edu, or call the UCSC Library Development Office at (831) 459-5870.

► For the complete story on the Grateful Dead Archive, visit www.ucsc.edu/news_events/text.asp?pid=2142.

associate dean of University Libraries at Carnegie Mellon University.

"Education today is characterized by people working together to collaborate," Linke says. "We're acknowledging different styles of learning, inquiry, and study."

For second-year UCSC community studies student Andres Rodriguez, UCSC's library is a far cry from the one he frequented in his hometown of Woodland.

"In college, people use it to socialize with other people," says Rodriguez, 20. He often uses the library for group study sessions for midterms and finals.

That's not to say McHenry, UCSC's Science & Engineering Library, and other, off-campus libraries aren't still quiet places for study and contemplation. But now, library staffs are creating both quiet zones and areas where people can be noisier, says Lippincott.

'Library 2.0'

Fifty to 100 years ago, libraries were designed around particular structures and schemes for organizing information, says UCSC's Steel.



Below left: Student Raul Flores makes use of the library's bank of computers. Above: With large expanses of glass forming a major element of the building's construction, light is almost as much a presence as walls in McHenry's new addition.

"But with the advent of the web, people expect a more responsive and flexible type of structure," she says. "They've gotten used to ubiquitous Internet access."

To respond to the demand, UCSC Library staff decided last spring to embark on a "Library 2.0" initiative adapted

from a program developed by a North Carolina librarian.

"There were a lot of new technologies such as instant messaging, wikis, blogging, and RSS feeds, and this was a way to get everyone on the library staff up to speed at the same time and think of ways to use these new technologies that were emerging," says Sue Chesley-Perry, digital initiatives librarian for both McHenry and Science & Engineering.

Now, librarians go where the students are, says Perry. For example, many librarians have Facebook pages to make themselves available for questions. And several librarians who teach research workshops for specific classes are using a blog instead of a web page.

Despite the many new technologies, books still have an important place in research, learning, and teaching.

"In my classes, I tell students how to find the different databases and how to use them," says Brij Lunine, a UCSC lecturer in writing. "But I still make my students get into the stacks because you often find the best stuff next to the book you were looking for."

Student Flores agrees that, despite the shift to an online research model, a physical library is still an important part of the culture.

"It sounds corny, but I'd like to see my kids come to an institution like this," says Flores, gesturing to the vaulted ceilings and book-filled shelves at

McHenry Library.

Libraries' rapid shift from print to electronic media has raised a host of complex questions around intellectual property, ownership, licensing, and preservation. While those issues will have to be solved, that's part of the excitement of being a librarian at this particular juncture, says UCSC's Steel.

"We're poised between the old and the new, and every day brings with it new, interesting problems to think about," she says. "The whole information environment is changing so rapidly. It's really exciting to be part of this."

Photographer Phil Carter, 20, is a junior at UCSC, majoring in community studies.

The \$700,000 challenge

UC Santa Cruz has been awarded a \$700,000 challenge grant from the Kresge Foundation toward the construction and modernization of McHenry Library. In order to receive the funds, however, the library must raise \$3.5 million by October 1, 2009.

That's because the grant is designed to assist UCSC in raising the balance required to complete its capital campaign goal and the funding of the library expansion project.

"This is an amazing opportunity to help us raise the funds we need to totally transform McHenry Library and make it a 21st-century destination for a new generation of library users," said University Librarian Ginny Steel.

Private donations must be found to support the many aspects of UCSC's library project not covered by state funding. This includes such amenities as the planned Global Village Café, the reading lawn and gardens, new furniture, information technology, media equipment, and public art for the building.

The Kresge Foundation is a private organization that supports communities by building the capacity of nonprofit organizations in the fields of health, the environment, arts and culture, education, human services, and community development.

► For more information, visit library.ucsc.edu or contact the UCSC Library Development Office at (831) 459-5870.

Alumni Notes

COWELL COLLEGE

'69 **Margaret WADE Krause** retired from college teaching in 2006; her husband, Jeff, is a professional photographer for a local hospital system. They were planning a vacation in central Oregon for summer 2008, and beyond that a trip to Europe beckons.

'73 **Scott CRASK** recently celebrated his 11th year of employment at Bucklewey Programs in San Rafael, Calif., which provides housing and rehabilitation services for adults with mental illness.

'80 **Steve MAYERS** obtained a teacher credential certification from San Francisco State University after completing an adult vocational education program.

'83 **Peter GOLDSTEIN** works for InterMedia, which does media and opinion research in developing countries; he is developing a web portal for the organization and leading its editorial operations.

Bonnie Rose HOUGH received the Access to Justice Commission Joint Court-Based Award from the Legal Aid Association of California in June; she is a managing attorney with the administrative office of the Center for Families, Children and the Courts.

'84 **Anna FANG** (M.A., history '86) lives in Hong Kong and runs her own PR consultancy; before moving to Hong Kong, she worked in Beijing from 1988 to 1992. **Barbara FENNELL** was selected by the Judicial Branch of Arizona in Maricopa County as director of conciliation services/family services in April 2006,

with responsibility for over 23,000 court services provided to children and their families annually in Maricopa County, as well as for statewide training and continuing education programs for professionals in the court system.

'91 **Jennifer ABBE** and her husband, Kevin Good, have opened a solar installation company for homes and businesses in Alameda, Calif., and vicinity, sunsfreesolar.com.

Julie Seden-HANSEN is in private practice as a licensed marriage and family therapist in Paso Robles, Calif.; she received her M.S. in psychology in 2003 from Cal Poly, San Luis Obispo.

'92 **Robin SMALL** earned her teaching credential from the University of North Carolina in December 2007; she lives in North Carolina with her husband, Alan, and their son and daughter.

'01 **Christina MORAN** was named Nurse of the Year at St. John's Medical Center, a not-for-profit hospital providing service to the Greater Yellowstone area; she works the night shift at St. John's and also works days as a nurse practitioner in Jackson, Wyo., but still makes time for mountain biking, jewelry making, and skiing.

STEVENSON COLLEGE

'70 **Jonathan GREEN** was recently recognized as a Distinguished Fellow of the American Academy of Physician Assistants for his "service to the PA profession, his commitment to advancing health care for all people, and by his exemplary personal and professional development"; he was also selected PA of the Year for 2008 by the American Academy of Physician Assistants in Occupational Medicine.

'76 **Peter KOSENKO** is a computer programmer in the L.A. area; he recently released an acoustic guitar CD with his friend Alex Hebert, and he hosts the music open mic at the

UnUrban Coffee House in Santa Monica, where he lives.

'91 **Diane WREN** has left the corporate realm, where she was a project manager, developing partnerships between industry and academia to provide distance-based nursing education; she now lives in Portland, Maine, and is attending the Maine College of Art.

'92 **Joseph NARVAEZ** is coordinator of environmental education programs for the Monterey Peninsula Regional Park District.

'94 **Osha MESERVE** lives in the Sacramento area with her

husband and two children; she is a shareholder at Soluri Emrick & Meserve, where she practices environmental and land-use law.

'95 **Lisa WITTER** is the executive vice president and chief operating officer of Fenton Communications, where she heads the firm's practice in women's issues and global affairs; she is a cofounder of SheSource.org, an online brain trust of women experts working to help close the gender gap among commentators in the news media; and she has a new book, *The She Spot: Why Women Are the Market for Changing the World—And How to Reach Them* (2008).

'96 **Jennifer MAYER** is proud to announce the arrival of her daughter, Penelope Marie, in December 2007.

'98 **Lacey CALDWELL** is an account director with Connect2 Communications, a firm specializing in providing public relations and marketing support to a broad range of technology companies.

'04 **Starry SPREngle** received a \$90,000 three-year Graduate Research Fellowship Award from the National Science Foundation in 2007 for range management studies in California's oak savannahs.

'05 **Joe GREGORICH** has been named a regional policy director by the American Electronics Association (AeA); he is based in AeA's Sacramento office. Prior to AeA, Gregorich served as press secretary for California State Senator Roy Ashburn (R-Bakersfield).

CROWN COLLEGE

'69 **Fr. Patrick DOOLING** was in Bill Rose's documentary *This Dust of Words*, which told the story of Elizabeth Wiltsee, a Stanford honors graduate and mentally ill woman taken care of by St. Patrick's Church in Watsonville.

'73 After nearly eight years as state director of the Sierra Club, **Bill ALLAYAUD** has moved to the California State Capitol to assist Assemblymember Dave Jones (D-Sacramento) on all matters environmental. Allayaud's daughter is now over two years old.

'86 **Andrew BRACKER**, brownfields coordinator with the Kansas City Planning and Development Department, has been appointed to the Missouri Hazardous Waste Management Commission by Governor Matt Blunt (R).

'94 After completing a D.V.M. and Ph.D. at UC Davis, **Robyn STODDARD** has now moved to Atlanta to work as a microbiologist at the Centers for Disease Control and Prevention.

'96 **Danté FENOLIO** has been named amphibian conservation scientist at the Atlanta Botanical Gardens; he holds an M.S. degree in zoology from the University of Oklahoma and a Ph.D. from the University of Miami, where his dissertation involved amphibian conservation and taxonomy.

'97 **Aaron HEBShI** attended graduate school at the University of Hawaii and is a wildlife consultant in Honolulu.

'99 **Chase CORUM** received a J.D.

degree from Chapman University School of Law in May 2008 and planned to begin a judicial clerkship at the High Court of American Samoa in August.

'01 **Kurt GRELA** is serving as the expeditor/data analyst for the supply chain that ships HIV/AIDS test kits and lab supplies from around the world to Africa for the U.S. President's Emergency Plan for AIDS Relief (PEPFAR), www.pepfar.gov.

'02 **Jason BENFORD**'s De La Paz Coffee Company roasts and sells fair-trade organic coffee in San Francisco.

'03 After a short stint at AskMeNow in Irvine, Calif., **Matt DIAZ** is tuning enterprise search-engine software as a language engineer at the Bay Area headquarters of InQuira, Inc.

MERRILL COLLEGE

'73 **Terry TEAYS** and coauthor Thomas Meylan have published a book entitled *Optimizing Luck: What the Passion to Succeed in Space Can Teach Business Leaders on Earth* (2007).

'91 **Victor PESKIN** is an assistant professor in the School of Global Studies at Arizona State University; he recently published his first book, *International Justice in Rwanda and the Balkans: Virtual Trials and the Struggle for State Cooperation* (2008).

'92 **C. Ondine CHAVOYA** was promoted to associate professor and awarded tenure at Williams College; he teaches in the art history department and Latina/o Studies program; his areas of

Alumna investigative journalist to be honored at Founders Day dinner



Washington Post reporter Dana Priest (Merrill '81) this year earned her second Pulitzer Prize, making her the first UCSC graduate to have twice been accorded journalism's highest honor. Priest's 2007 exposé of the mistreatment of wounded veterans at Walter Reed Army Medical Center documented unsanitary conditions, an unresponsive bureaucracy,

inadequate treatment for patients, and numerous other problems. The revelations prompted a national outcry, government-initiated reforms at the hospital, and the resignation of Secretary of the Army Francis Harvey. For breaking and telling the story, Priest shared the 2008 Pulitzer Prize for public service with colleague Anne Hull and photographer Michel du Cille.

Priest's first Pulitzer came in 2006 for exposing secret U.S. government "black site" prisons and other unknown aspects of the government's counterterrorism campaign. Her articles disclosed the secret international transport of "terror" suspects and the now-famous "torture memo" that authorized "enhanced interrogation" techniques to extract intelligence information from suspects.

Priest "embodies the ways in which an education at UC Santa Cruz carries people into the future, enabling them to make an impact in very broad ways," said former College Eight Provost Roz Spafford. Priest has visited UCSC several times in recent years, where she's a willing and inspiring mentor to student reporters.

In honor of these and other accomplishments, Priest will receive the 2008-09 UCSC Alumni Association Alumni Achievement Award, which will be presented October 24 at the Coconut Grove in Santa Cruz during the campus's annual Founders Day celebration.

For ticket information, contact the UCSC Special Events Office at (831) 459-5003 or specialevents@ucsc.edu.

We'd like to hear from you

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► or send an e-mail to review@ucsc.edu

► or submit a note via the web at alumni.ucsc.edu (go to Class Notes)

expertise include Chicana/o art and media, Latino/a visual culture, and avant-garde art practices in North America after 1960. He received his Ph.D. in visual and cultural studies from the University of Rochester in 2002.

'96 **Emilie CATE** and Frederic Charlebois are to be married on September 14 at Lake Tahoe; she is working on a Ph.D. in counseling psychology at the University of Oregon and welcomes e-mails from old friends and water polo alumni at ecate@uoregon.edu.

PORTER COLLEGE

'72 After 30 years at Clackamas Community College in Oregon City, Ore., **Baldwin VAN DER BIJL** is retiring as vice president of instruction.

'75 **Lori HIGA** has an M.B.A. and is principal of her own public interest consultancy, dedicated to socially responsible, strategic communications for social and environmental justice.

'76 **Joan JUSTER**'s documentary film *Alaska Far Away: The New Deal Pioneers of the Matanuska Colony* (www.alaskafaraway.com) was released in June; it showed at the Fargo Film Festival and the Muskegon Film Festival, where it won Best Documentary, and it has been awarded the Jury Prize at the Wisconsin Film Festival.

'80 **Jennifer COLBY** is a lecturer in liberal studies at CSU Monterey Bay and director of Galería Tonantzín in San Juan Bautista; her article, "Artist as Scholar: Scholar as Artist," was

published in the book *Blaze: Discourse on Art, Women, and Feminism* (2007).

'81 **John PETERSON** has taught in the Program in Writing and Rhetoric at Stanford University since 2004; he lives in Palo Alto with his wife and daughter.

'83 **Jesse SHANK** has been "Mr. Santa Cruz" for the past 17 1/2 years, working for the city in the most visited place in all Santa Cruz: the Lighthouse and Surfing Museum; he was planning to sail a 23-foot Ericson in the summer.

'84 **Gayll PHIFER-Houseman** is one of 32 women who have contributed to a book of sermons published in 2008 under the title *Those Preaching Women: A Multicultural Collection*.

'98 **Jasmine LYSENKO** has her own business in which she combines her love of jewelry design with travel; she lives in a small town in the mountains in British Columbia.

'02 **Mazey (Amy) MILLIGAN** is working on her master's degree in occupational therapy and doing an internship in early intervention services in rural New Mexico with La Vida Felicidad, a program that provides family-centered intervention for individuals with special needs.

KRESGE COLLEGE

'75 After many years of publishing his poetry, **Brent PARTRIDGE** is photographing wind-carved Eocene metamorphic sandstone on California's coast and in the Diablo Range; he's had shows at

the Hacienda Gallery in Carmel in 2004 and at Albany Arts Gallery and Orinda Books in 2008.

'76 **Don McCORMICK** is now on the faculty at California State University, Northridge, where he teaches organizational behavior and conducts research on mindfulness in the workplace.

'78 **Vicki SMITH** has published a new book, *The Good Temp* (2008), with coauthor Esther B. Neuwirth, which examines temporary employment today—how it has become so widespread and normalized and how it has affected permanent employment; Smith is chair of the Sociology Department at UC Davis.

'88 **Don HARWELL** sold his 10-year-old business, Bluewater Pool, Spa, Fountain & Pond Company, in northern San Diego County in April, and he has started an online travel agency, bluewatertravelstore.com.

'90 **Jay SCHAEFER** has been elected vice president of finance and treasurer at Alaska Airlines.

'91 **Shannon LAWDER** has been promoted to director of the Civil Society Program at the Charles Stewart Mott Foundation. Humorist and spoken-word artist

Beth LISICK has a new book, *Helping Me Help Myself: One Skeptic, Ten Self-help Gurus, and a Year on the Brink of the Comfort Zone* (2008), which records her yearlong plunge into the realms of popular self-help gurus.

'98 **Gail GRANT Schull** and her husband, Clay, are the proud parents of Ethan, born in March 2008; Gail is the registrar at the

College of Southern Idaho in Twin Falls.

'05 **Mary VAN NOTE** is a San Francisco-based stand-up comedienne who has opened for Todd Barry, Maria Bamford, and Patton Oswalt; her 10-episode web series, "The Mary Van Note Show: Gavin Really Wants Me," about her attempts to get a date with the hot mayor of San Francisco, Gavin Newsom, premiered on The Independent Film Channel in July.

OAKES COLLEGE

'75 **Ruth WILSON**, an associate professor in African American studies at San Jose State University, received a 2007 U.S. Department of Education Fulbright-Hays award to attend a summer seminar for educators in South Africa.

'78 **Mark MURPHY** manages New Mexico's Canadian River Basin for the State Engineer's Office.

'82 **Lorraine HOFFMAN** has been appointed vice president for business and finance at California State University, Chico; prior to taking this position, she was chief finance and administrative officer at the California Institute for Regenerative Medicine.

'84 **Barbara GARCIA** is deputy director of health for the San Francisco Health Department; she will be receiving an honorary doctorate from the California Institute of Integral Studies.

'90 **Todd TELANDER** is a freelance artist painting oils of landscapes and wildlife whose work is collected and published

across the U.S.; he resides in Walla Walla, Wash., with his wife, Kirsten, and two sons, Miles and Oliver. See his work at www.toddtelander.com.

'92 **Sharon ANOLIK Shakked** has been promoted to senior director of corporate compliance and ethics and chief privacy official at Blue Shield of California; she lives in Mill Valley, Calif., with her husband and two little boys.

'95 **Theresa CENIDOZA Suarez** received a Ph.D. in ethnic studies from UC San Diego and is an assistant professor in the field of critical race studies in the Department of Sociology at Cal State University, San Marcos.

'02 **Christine OH** worked for U.S. Representative Xavier Becerra (D-Los Angeles) for almost four years, three of them on Capitol Hill as a legislative aide; she plans to start an M.P.A. program in fall 2008.

'03 **Paul HAWLEY** has completed his first feature film, *Corked*, a humorous tale about four distinctly different wineries and their intertwined fate in Northern California's wine country; the film premiered at the Sonoma Valley Film Festival in April. Paul is assistant winemaker at his family's business—Hawley Winery—in Sonoma County.

'04 **Marisa LOUIE** is serving in Chile as a WorldTeach volunteer, living with a Chilean host family and teaching English along with other subjects at the Antonio Varas DuocUC in Providencia, a technical and professional institute that plays a role in Chile

Alumnus looks to expand support for innovative program dedicated to helping students who are foster youth



Victoria Wilder Eisenberg (left, with her children) lived in more than 20 foster homes while she was growing up. Despite that formidable obstacle, last year Eisenberg reached a goal that only about 28 percent of Americans have attained: getting a bachelor's degree.

Eisenberg got help in achieving that milestone from the Smith Renaissance Society, a grassroots, alumni-initiated effort that provides financial, academic, and emotional support to UCSC students who are orphans, veterans of the foster-care or juvenile-justice systems, or others who have been forced to experience life on their own.

"As you can imagine, trying to fit into the college experience was hard," says Eisenberg, "because I knew I wasn't like everyone else, especially those who had families."

The Smith Society was founded in 1999 by Bill Dickinson (Cowell '68, pictured below), who, like Eisenberg, had been on his own when he arrived on the newly opened UCSC campus in 1965.

Since graduating, Dickinson has had several successful careers as an educator, speechwriter, business journalist, and entrepreneur. But he says the accomplishment that makes him most proud is his enduring legacy of helping students in need.

When Eisenberg arrived at UCSC, she had been homeless for months, having been "emancipated" from the foster care system.

Getting support from the Smith Society was transformative.

"I became a part of the Smith Society, and my [life] changed dramatically," Eisenberg says. "I have been cared for, nurtured, and, like a little seed, have grown into a beautiful spring blossom."

While completing a double major in community studies and theater arts, she served as a Smith Society student leader, was involved in student drama productions, got married, and had two children.

Since its inception, nearly 150 students like Eisenberg have been served by the Smith Society program. All but a handful have graduated or are on track to graduate—a remarkable record.

Dickinson credits his years at UCSC—the creative, interesting education and supportive community presided over by Cowell College founding provost Page Smith and his wife, Eloise—with his success. The Smith Renaissance Society was named in their honor.

"Page and Eloise treated me with real respect, an uplifting first for me," Dickinson says. "We aim to provide that sort of lift for our students, which helps account for our awesome retention and graduation rates. The Smith Society needs more funding. Two hundred new donors giving at least \$100 a year would keep our noble little boat afloat," says Dickinson.

As the society moves toward its 10th year of operation, increased financial support will provide scholarships for students; ultimately, supporters aim to establish an endowment to ensure the program's smooth operation into the future.

Donations can be made at giving.ucsc.edu; for more information, contact Development Director Kathleen Rose Hughes at (831) 459-4552 or khughes@ucsc.edu.



Student, mother, dreamer: Scholarship opens doors for Rachel Cordero



JIM MACKENZIE

Not long ago, Rachel Cordero was a divorced mother of two young children facing the aftermath of a difficult marriage, devastating economic dislocation, and an unknown future.

Her sons struggled to adjust to their parents' breakup. The shattered family moved into Cordero's mother's home to plan their next move. "I figured I could either go straight to work and barely pay the rent," she remembers, "or look for a way to make a better life for myself and my family. I decided to go back to school and realize my dreams."

Returning to community college years after she had

first started, she received an A.A. degree and transferred to UCSC. Today, she is on track to graduate with a B.A. in psychology and plans to pursue a graduate degree and a career in organizational or clinical work. The future looks bright.

Success did not come easy, though.

"I'm not a 'normal' student," Cordero says. "As a parent, I'm rushing from campus to pick up my kids from school, start dinner, and get them going on their homework. . . . Sometimes it gets lonely being the only parent in a classroom of younger students."

But with help from campus advisers and motivation from inspiring professors, "I'm making it work," she says, enthusiastically.

Cordero got a major boost last year when she was one of 34 undergraduates selected for a \$3,000 Alumni Association Scholarship Fund award. The coveted scholarships are given to students with demonstrated financial need and the ability to overcome obstacles to higher education. Getting the renewable award was "validation that I'm worth it," says Cordero, and allows her to mesh family obligations with the demands of her senior year: an internship, graduate school applications, a full course load, and "continuing to be a 100 percent focused mom."

Donations to the UCSC Alumni Association Scholarship Fund provide support for motivated students such as Cordero, and may be made at giving.ucsc.edu.

Alumni Notes

similar to that of a community college in the U.S.

COLLEGE EIGHT

'76 **Joseph SCHLEIMER** argued and won an entertainment law case before the United States Supreme Court, *Preston v. Ferrer*; he has been practicing entertainment law in Beverly Hills since 1986.

'84 **Tim FOLGER** is a longtime contributing editor at *Discover* magazine and the series editor for *The Best American Science and Nature Writing*, an annual anthology published by Houghton Mifflin. He won the 2007 American Institute of Physics Science Writing Award in the journalist category for his *Discover* article "If an electron can be in two places at once, why can't you?"

'04 After playing for four years on UCSC's intercollegiate women's basketball team, **Marcie HADUCA** has completed her fourth year as an assistant basketball coach at Holy Names University (2008 Cal Pac Conference Champions) in Oakland; she received an M.A. in sports management from the University of San Francisco in 2007.

GRADUATE STUDIES

'80 **Jorge KLOR de ALVA** (Ph.D., history of consciousness), senior vice president for academic excellence at the University of Phoenix, will lead the university's newly formed national research center, which is focused on driving initiatives in teaching and

learning that are most effective with adult students in higher education.

'83 **Douglas MURRAY** (Ph.D., sociology) is director of the Center for Fair and Alternative Trade Studies and professor of sociology at Colorado State University.

'90 **Lisa WHITE** (Ph.D., Earth sciences), a professor of geosciences and associate dean of Graduate Studies at San Francisco State University, is the first recipient of the Bromery Award for Minorities from the Geological Society of America. White is being recognized, in part, for her work with SF-ROCKS (<http://sf-rocks.sfsu.edu>), a geoscience education project with high schools in the southeastern part of San Francisco, and for her research.

IN MEMORIAM

'79 **William SHERIDAN** (Stevenson), known by his friends as "Bill the Human," who was a "godfather of the Banana Slug logo" and who worked as a radio DJ and as a tour operator for Catalina Island Tours, died August 19, 2007, in Bend, Ore., at the age of 50.

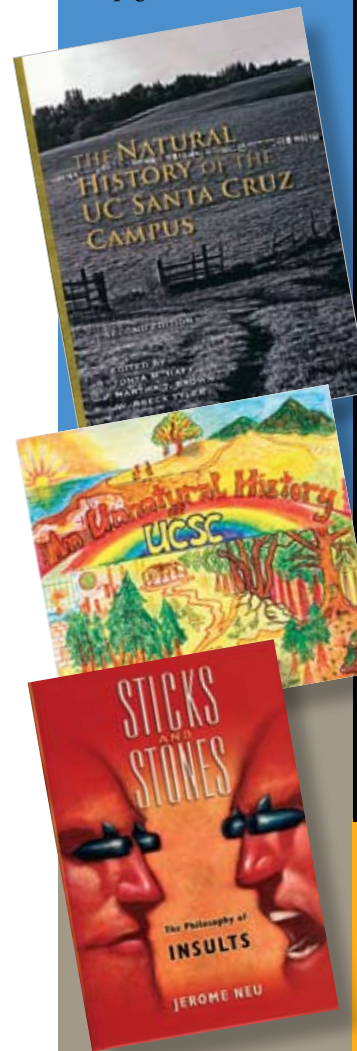
'98 **Stephanie Joy OGAZ** (Porter), who, after graduation, began working behind the scenes in the film industry and then found her career and a second family at WireDrive, an online creative production and presentation agency, died suddenly and unexpectedly on May 6, 2008, in Los Angeles; she was 31.



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BOOKS

including those featured
in this issue of the
UCSC Review
See page 3.



DIPLOMA FRAMES



GIFTS



SLUG APPAREL

Get the new Grateful Slug t-shirt (above), which commemorates the Grateful Dead's April 2008 announcement that the band's extensive archive would be donated to UC Santa Cruz (see story on page 22).
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Slug in the Family

At UC Santa Cruz, your family includes your **entire** family.



Parent programs build community.

Terry Davis is an ambassador to other UCSC parents, students, and alumni in Southern California.

“We can make the UCSC community accessible in our own communities. We’ve had other parents over to our home to meet university staff and the Chancellor. Thanks to the newly organized parent programs, even more opportunities are available for parents to get involved.”

The best part, Terry says, is that being involved can empower parents. “It’s more than paying tuition. Involvement is about an emotional involvement and understanding.”

Today, Terry serves on the university’s Foundation Board of Trustees and volunteers with Sarah at UCSC’s Southern California events.

UCSC Parent Programs support UCSC students. For more information, call Director of Parent Programs Frankie Melvin at (831) 466-2922 or e-mail parentprograms@ucsc.edu.

Alumna Sarah Davis-Weyman graduated from UCSC in 2003. As a student, Sarah spent a semester abroad, made lifetime friends at Merrill College, and challenged herself by pursuing a bachelor’s degree in legal studies.

In Sarah’s Southern California hometown, her mother, Terry Davis, got involved with UCSC because she wanted to connect her daughter’s undergraduate experience with the wider UCSC community, creating relationships that could be hers for the rest of her life.

“I was so proud that Sarah made her own choice about where to go to school. I got involved with UCSC to build Banana Slug traditions and to open doors for her and other UCSC alumni in our area.”

giving.ucsc.edu