

UC SANTA CRUZ

SUMMER 1998

R E V I E W

CEO Gordon Ringold is one of the

NEW *faces* of alumni profiled inside

PLUS: A new book on U.S. women's history, the art of Nobuho Nagasawa, dolphin research, remembering Dean McHenry

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UC Santa Cruz

REVIEW

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FROM THE CHANCELLOR

BY M.R.C. GREENWOOD

WHEN THE NEW MILLENNIUM arrives in a short 18 months, UC Santa Cruz will be halfway through its 35th year of existence. In the world of higher education, where some U.S. campuses are nearly as old as the country in which we live, that is young indeed.

Despite its age, UCSC has already attained national stature in a number of significant ways. The quality of its faculty and academic programs, the value it places on undergraduate instruction, the caliber of its many and varied research activities, and, of course, the scholastic achievement of its students are important reasons why UCSC—in the words of a recent national assessment—is considered a “rising star” among American research campuses.

Even before I assumed the position of UCSC chancellor two years ago, I had become aware of one other important measure of UCSC’s greatness: the contributions its alumni are making in every facet of our society. The interactions I’ve had with Santa Cruz graduates in my time here have only deepened my respect for the quality of our alumni.

Over the years, this publication has shined the spotlight on just a fraction of these distinguished graduates: high-flying astronauts Kathryn Sullivan, the first American woman to walk in space, and Steven Hawley, who helped deploy the Hubble Space



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Telescope; world-class conductor Kent Nagano, music director of France’s Lyon Opera, whom critics have hailed as “the next Bernstein”; award-winning journalists Laurie Garrett and Annie Wells, whose reporting and photography won them Pulitzer Prizes in consecutive years.

The *Review* has featured Brent Constantz, an inventor whose revolutionary compound holds great promise in the treatment of broken bones and osteoporosis; Lindsay Doran, the president of United Artists Pictures and producer of the Oscar-winning film *Sense and Sensibility*; Patricia Nelson Limerick, a MacArthur fellow and widely respected “New West” historian; and Geoffrey Marcy, part of a two-person astronomical team recognized worldwide for its Lick Observatory sightings of planets outside our solar system.

In this issue, we add a dozen profiles to the stories we’ve already told. Like their predecessors in these pages, the alumni featured in our cover story are making the most of the education they received on our campus—and, in the process, making all of us in the UCSC family very proud.

A handwritten signature in blue ink that reads "MRC Greenwood".

M.R.C. GREENWOOD
Chancellor



Family, friends, and colleagues of Dean McHenry gathered at the UCSC Arboretum on April 25 to remember UCSC's founding chancellor, who died in March. Professor Emerita Mary Holmes, shown with Chancellor Greenwood, was one of the speakers at the memorial. In this issue of the *Review*, Dean McHenry is also remembered in a two-page tribute that begins on page 24.

New video simulates the evolution of galaxies

COLORFUL CLUMPS and chains of galaxies zoom past as the viewer flies through a chunk of the cosmos. The latest sci-fi epic from Hollywood? No, it's serious scientific research, which the country's top astrophysics journal has published in video form.

The video displays simulations of the evolution of galactic structure in the universe, carried out on speedy supercomputers. An IBM Power Visualization System—the same machine that adds special effects to some of those Hollywood epics—transformed the data into stunning images.

The result is a scientific video with a visual punch. It allows astrophysicists to compare theoretical models that use different assumptions about the types of matter composing the universe. It also thrills lay viewers who can imagine

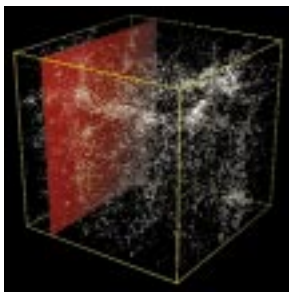
themselves soaring out of the Milky Way into clusters of distant galaxies.

"We can't create a video that would fly us through the real universe," said Joel Primack, professor of physics at UCSC. "We don't have that level of detail yet in our observations. However, these simulations can reproduce, surprisingly well, the structures we do see in the universe today."

A team led by Primack published its results in a video edition of the *Astrophysical Journal* in March.

The supercomputer simulations track millions of particles in enormous cubes, representing swaths of

the universe more than 250 million light-years across. Primack's team starts each simulation with the initial conditions in the earliest moments after the Big Bang. Then, the particles interact via standard laws of physics until gravity pulls them together—during billions of computer "years"—to form galaxies, clusters of galaxies, and superclusters.



This 3-D image is taken from a new video that simulates the evolution of galactic structure in the universe.

Psychologist's dream: Helping deaf children

AFTER YEARS OF WORKING in a dark, windowless laboratory to understand speech perception and how speech can be communicated by machines, UCSC psychology professor Dominic Massaro is realizing his long-held dream of using advanced technology to help hearing-impaired youngsters learn to speak.

Massaro and his former student and research associate Michael Cohen have been at the forefront of the development of synthetic speech for years. Their latest creation, a three-dimensional computerized talking head nicknamed "Baldi," is now being used by deaf children and their teachers at the Tucker-Maxon Oral School in Portland, Oregon.

The image on the computer screen resembles an animated mannequin, with moving eyes, brows, and mouth. When Massaro types in text, Baldi "talks." When Massaro speaks, Baldi "listens" and responds. An underlying grid allows researchers to manipulate the jaw, lips, and tongue to mimic human speech.

"It's like the face is a puppet and we've got about 60 strings we're

controlling it with," said Massaro. Texture mapping allows Massaro and Cohen to wrap any still video picture over the framework to produce a more natural or familiar image.

The value of animated synthetic speech is that it provides the visual cues that are a critical part of speech comprehension. The same principle is at work when hearing-impaired individuals read lips to follow conversations.

Massaro and Cohen's technology gives students at Tucker-Maxon the opportunity to observe closely the facial movements that are used in producing spoken words, and even to strip away the "skin" of the face and study the wire framework that mimics the speech organs underlying the production of human speech.

In its transparent form, Baldi shows students the precise position of the tongue during the formation of sounds and words they've never spoken. A half-sagittal view reveals the movement of the lips, lower jaw, and tongue.

"Hearing individuals take speech for granted, but for hearing-impaired and profoundly deaf children, being able to watch how we produce words is a valuable tool for developing those skills," said Massaro.

Psychology professor Dominic Massaro (left) helps a hearing-impaired student learn to use Massaro's computerized talking head, nicknamed "Baldi," at Portland's Tucker-Maxon Oral School.





DAVID ALEXANDER

Paul Whitworth in his award-winning role as Richard III

Shakespeare SC earns nine Drama-Logues

SHAKESPEARE SANTA CRUZ was awarded nine Drama-Logue Critics Awards recently for its 1997 season. The coveted awards, presented each year for the past 21 years by the Hollywood-based weekly theater review and casting magazine *Drama-Logue*, recognize exceptional theater produced in the Los Angeles and San Francisco Bay areas during the previous year.

San Francisco Bay Area critic Dean Goodman recognized Shakespeare Santa Cruz's production of *Richard III* in the following categories: overall production, direction, costume design, performance, original music, scenic design, and lighting design. Shakespeare Santa Cruz's production of *As You Like It* was recognized for original music and performance.

Shakespeare Santa Cruz, based at UCSC, is a nonprofit theater company dedicated to exploring and shaping the new American voice in the performance of Shakespeare.

The 1998 festival season opens July 23. It features *Orbello*, *Much Ado About Nothing*, and *The Marriage of Figaro* by French playwright Beaumarchais. For more information, call (408) 459-2121.

Videoconferencing center debuts

WHAT MAY BE THE classroom of the future is in use today at UCSC, where faculty are incorporating videoconferencing and advanced computer technology into courses ranging from network engineering to Hebrew.

At a news conference and open house in May, UCSC administrators demonstrated the high-tech teaching facilities—installed on the campus and at a UCSC Extension site in Cupertino. The new classrooms have been used since January to provide live interactive instruction to students at remote locations, to bring guest lecturers into classrooms from distant sites, and to support other types of interactive learning and collaboration.

Called "distance learning," this approach is not a new concept so much as a reinvented one. As early as the late 1960s and early 1970s, UC campuses offered a simple form of distance learning, using one-way video and one- and two-way audio to transmit some classes.

However, the advent of fiber optics and superfast computers in recent years makes a radically improved approach possible—one in which people hundreds of miles apart can interact almost as if they



DOON HARRIS

During an open house and press conference in May, Chancellor Greenwood demonstrates some of the new facility's high-tech features.

were in the same room.

"The innovative use of distance learning technology at UCSC is expanding the boundaries of the university," noted Chancellor M.R.C. Greenwood.

The centerpiece of the new facilities is the high-tech classroom in UCSC's Applied Sciences Building. The seamless integration of a broad range of multimedia technologies into a user-friendly environment sets this classroom apart from other such facilities.

The audio system in the room uses small microphones in the ceiling to pick up sound and automatically adjusts to accommodate the

volume of the speaker's voice and the speaker's location in the room.

Another special feature is the ability to capture course content, including not only audio and video but also materials presented on the "electronic white board," an interactive touch screen, computer monitor, and electronic chalkboard all rolled into one 72-inch-diagonal screen.

The screen can serve as a display monitor for the main instructor's workstation, the instructor's laptop, or a student's laptop.

The UCSC Extension facility in Cupertino has a "mirror" classroom with most of the same features.



VICTOR SCHIFFRIN

Myrlie Evers-Williams, widow of slain civil rights leader Medgar Evers and national chair of the NAACP, came to Santa Cruz earlier this year to deliver the keynote address for the 14th annual Martin Luther King Jr. Memorial Convocation. In a campus reception before the event, Evers-Williams met with some of the nearly 200 high school students from the Monterey Bay Area, San Jose, and the San Joaquin Valley who attended the convocation. During a stirring speech later, Evers-Williams challenged the students—and others in the audience of 1,200—to realize their potential and to work to create a level playing field for all people.

UCSC on America's 'Most Wired' list

UCSC IS RANKED 24th in the country in an Internet magazine's survey assessing the computer environment of American colleges and universities. The results of *Yahoo! Internet Life's* second annual survey appeared in the magazine's May issue.

Among UC campuses that were ranked in the "America's 100 Most Wired Colleges" survey, only UCLA—at No. 23—finished ahead of UCSC. UC Berkeley was ranked 42nd in the county.

"In rating this year's schools, we took all aspects of the wired campus into account—infrastructure, social life—but we focused primarily on the academic benefits of using the Net," a spokesman for the magazine said.

Organic farm replaces part of former Fort Ord

UCSC HAS LEASED a 130-acre parcel at the former Fort Ord military base to Dynasty Farms, Inc., of Salinas, which will operate a certified organic mixed-vegetable farm on the site.

Dynasty will hold the lease for a minimum of five years, said Lora Lee Martin, director of UC's

Monterey Bay Education, Science, and Technology (MBEST) Center at Fort Ord.

"This agreement reflects MBEST's emerging role in the regional economy and contributes to the growth of the organic farming industry in the Monterey Bay region," said Martin. "This unique collaboration between MBEST, UCSC's Center for Agroecology and Sustainable Food Systems, and Dynasty Farms, which is a major

national distributor of produce grown on California's Central Coast and elsewhere, promises to bring new opportunities and jobs to an expanding marketplace."

As part of the agreement, Dynasty will make several acres of the parcel available for university research projects that are in keeping with the company's overall farming objectives. Opportunities for student internships will also be available.

"This particular piece of ground and the tie-in with the university really presents an opportunity for large conventional growers and organic growers to come together and hopefully build the marketplace for sustainable agriculture," said Tom Russell, president of Dynasty Farms. "We'll be able to share information, and this gives us a chance to be on the cutting edge of new technologies. It's in everybody's best interest if sustainable agriculture grows."

Technical advisers who will oversee operations at the site include UC Cooperative Extension and the U.S. Department of Agriculture, as well as UCSC's Center for Agroecology, which has earned an international reputation for its leadership in the development of sustainable growing practices.

\$100,000 grant boosts researcher's RNA work

UCSC POSTGRADUATE researcher has received a prestigious postdoctoral fellowship from the Cancer Research Fund of the Damon Runyon-Walter Winchell Foundation. The fellowship, worth a total of \$101,500 over a three-year period, supports researcher Jamie Cate's investigation of ribosomal structure.

Large, complex molecules, ribosomes are responsible for synthesizing proteins in cells. Scientists, however, don't know much about the structure of the ribosome. "When we want to design biochemical or genetic experiments, it's like trying to hit a curve ball with your eyes closed," said Cate, who collaborates with other researchers in the lab of Sinsheimer Professor of Molecular Biology Harry Noller.

Tennis, anyone?

FOR THE FOURTH time in a highly successful 10-year run, the men's tennis team at UCSC has captured the national title. Traveling to Williamstown, Massachusetts, for the season-ending tournament in May, the Banana Slugs returned with the NCAA Division III crown after a 4-2 win over host and previously undefeated Williams College.

The tennis championship was UCSC's third in four years and fourth since coach Bob Hansen orchestrated UCSC's first title in 1989.

In an all-UCSC final, the Banana Slugs also netted the doubles crown, as Brian Cummings and Thomas Oechel narrowly defeated Peter Gladkin and Josh Goodley, 3-6, 6-3, 6-3.

UCSC alumna wins journalism's Polk Award

UCSC BIOLOGY ALUMNA Laurie Garrett (Merrill '75) has been honored for the second time in recent years for her work as a science journalist.

Garrett, a science and medical reporter for *Newsday*, was one of 13 journalists recently awarded a prestigious Polk Award for 1997.

Garrett won the foreign reporting award for her 25-part series on tuberculosis and AIDS in Russia and other countries of the former Soviet Union. The Polk Award comes on the heels of Garrett's 1996 Pulitzer Prize for explanatory journalism for her reporting on the Ebola virus outbreak in Zaire.

Laurie Garrett



©JURICA BERINGER



SHIMUEL THALER

UCSC's freshman class this fall is expected to be more diverse, in part because of the campus's successful outreach efforts. Above, a student attends UCSC-supported "Saturday College" at an area high school, improving her math and English skills.

Fall '98 freshman class more diverse

MORE THAN 2,500 students have indicated they are planning to attend UCSC as freshmen this coming fall. The entering class is expected to be more ethnically diverse in spite of new rules that eliminated the use of race and ethnicity from UC's admissions decisions.

Actual enrollment numbers for freshmen—and the entire student body—will not be known until classes begin this fall. But by the May 1 deadline, UCSC had received Statement of Intent to Register (SIR) notices from 2,532 prospective freshmen—up from the 2,257 who filed notices at this time last year.

Of the total number of freshman SIRs received, 859 identified themselves as African American, Chicano, Latino,

American Indian, Asian/Asian American, or Filipino/Filipino American—students whose ethnicities are underrepresented at UCSC—compared to 721 from those ethnic groups last year.

The increase in the number of underrepresented students comes despite passage of Proposition 209 by state voters in November 1996 and SP-1 by UC's Board of Regents in July 1995. Within the UC system, both measures banned the use of race, ethnicity, and gender in admissions decisions.

"In no small part the reason that the underrepresented student numbers increased this fall was the extra efforts made by our student organizations and their members to lay out a welcome mat for our prospective students," said Chancellor M.R.C. Greenwood. "Faculty and staff efforts were also essential to our success—writing letters, making telephone calls, and meeting with visitors to our campus."

Historian receives French honor

A UCSC PROFESSOR of history has received the French government's highest honor for academic achievement.

Jonathan Beecher has been awarded France's *Palme Académiques*—a decoration given to those who have advanced the cause of French culture, education, and the arts. The *Palme Académiques* was established in 1808 by Napoleon and is the most prestigious decoration a scholar can receive from the French government.

Beecher teaches French history and European and Russian intellectual history. The medal honors his work on French utopian socialist Charles Fourier. Beecher's research on Fourier resulted in the publication, in 1986, of the book, *Charles Fourier: The Visionary and His World*. The book was translated and published in France in 1993 as part of the popular biographical series published by the Librairie Fayard in Paris.

"I'm thrilled," Beecher said. "I was particularly eager for the book to be read and well received in France, and I think it was."



Jonathan Beecher

Beecher is the second UCSC faculty member to be awarded the *Palme*. UCSC's first recipient is lecturer in French Hervé Le Mansec. France's Consul

Honoraire for San Jose and Silicon Valley, Le Mansec received the medal in 1993.

"The *Palme Académiques* is rarely awarded to foreign scholars," Le Mansec said. "But Jonathan is considered a leading researcher on socialist and French utopias. This award recognizes the importance of his book, which is regarded as the best work to date on Fourier."

The medal is being presented to Beecher by the French cultural attaché from San Francisco in a private ceremony.



Traveling in an orbit between Mars and Jupiter, Asteroid San Jose is estimated to be 10 to 15 miles across—about the same size as the city for which it is named.

San Jose now shares its name with asteroid

REPRESENTATIVES OF UCSC AND LICK OBSERVATORY presented the San Jose City Council in May with a commemorative photograph of an asteroid that has been named in honor of the Silicon Valley city. The naming designation was done to acknowledge the city's long-time cooperation with Lick staff, particularly San Jose's efforts to control the type of light its neighborhoods emit. Too much of the wrong kind of light can impair an observatory's ability to capture clear and concise images from the night sky.

Observatory staff and the asteroid's discoverer, S. J. Bus, had successfully petitioned the International Astronomical Union to name the asteroid after San Jose. Presenting a framed digital image of Asteroid San Jose—and an accompanying short essay about the celestial body—to the city council were Chancellor Greenwood and Joseph Miller, director of UC Observatories/Lick Observatory.

Class of '78 gift sets reunion record

IN HONOR OF ITS 20-YEAR reunion, UCSC's class of '78 has donated \$40,462 toward a scholarship program for students with financial need.

It is the largest gift ever made by a UCSC alumni class.

Kevin James, a member of the class, presented the check to Steven Jung, president of the UCSC Alumni Association, at the class's 20-year reunion dinner during UCSC's annual Banana Slug Spring Fair in April.

While presenting the gift on behalf of his classmates, James emphasized the importance of all gifts. "Not everyone can make a large contribution, but what matters most is that people have participated as donors by giving what they can," he said.

"It has been a group effort."

The \$40,000 gift brings the scholarship endowment to more than \$400,000. (For a related story on the Alumni Association Scholarship Fund, see page 27.)

Rand Miyashiro (left), surrounded by other members of the class of '78, and Steven Jung, 1997–98 president of the Alumni Association, hold a "check" representing the gift.



Conservation targets set too low

CONSERVATION PLANS advocated by many organizations to protect the world's biodiversity could leave half of all terrestrial species vulnerable to extinction, either immediately or in the near future, according to Michael Soulé, a UCSC research professor of environmental studies, and M. A. Sanjayan, who earned a Ph.D. in biology from UCSC in 1997 and now works for Round River Conservation Studies.

In the March 27 issue of the journal *Science*, Soulé and Sanjayan argued that conservation targets are too often determined by politics, rather than by science. International commissions and organizations such as the World Wildlife Fund and the World Conservation Union have called for the near-term protection of at least 10 or 12 percent of the total land area in each nation or in each ecosystem, said Soulé.

"Dedicating 10 percent of the land in many tropical nations would be a heroic accomplishment in the face of current trends, but even that would be a prescription for a massive extinction similar to the one 65 million years ago when the dinosaurs went extinct," Soulé said.

By failing to acknowledge the true scale and gravity of the impending extinction disaster, the 10 to 12 percent goals contribute to "an atmosphere of public complacency and political denial," the researchers wrote.



NEW *f*



The quality of UC Santa Cruz, or any other institution of higher learning, can be measured in a variety of ways. Surely one important yardstick is the caliber of the people it educates: their thirst for knowledge as students and the manner in which they apply that knowledge after they graduate.

Despite an alumni body that is young by most standards—an 18-year-old freshman in the fall of 1965, UCSC's first year of existence, would have been only 50 this





aces



past fall—the contributions UCSC’s former students have already made to our society are truly remarkable.



It is our custom to tell the story of one such graduate in each issue of the *Review*. This time, however, we outdid ourselves, and the pages that follow contain a dozen profiles of alumni who are “new” to this publication.



We hope you enjoy reading their stories as much as we did uncovering them.



by **Victoria Bolam**



KEN ABBOTT/UNIVERSITY OF COLORADO AT BOULDER

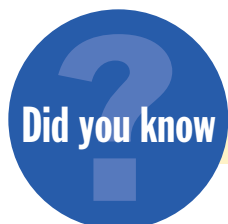
PATRICK ALLEN

*AIDS/HIV Researcher,
University of Colorado, Boulder*
Ph.D., biology, '91

PATRICK ALLEN is one of the country's leading AIDS/HIV researchers, working since 1995 as principal investigator on a \$1.2 million NIH-funded study of the HIV capsid structure (the region containing the viral genetic material) and how the structure relates to infectivity of the deadly virus. Allen was recently surprised to realize that he is the only black scientist funded by the National Institute of Allergic and Infectious Diseases (Division of AIDS) to do AIDS/HIV research—yet more blacks suffer from the disease than any other group in the U.S. To increase the number of black researchers and to improve relations between the African American community and the biomedical field, Allen has launched a campaign he calls the Black Biomedical Research Movement. He's working with fellow scientists to encourage young African Americans to pursue research careers; organizing a broad-based popular media awareness campaign; and pushing for legislative action that addresses health issues in the black community.



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Did you know

60% of UCSC's 42,000 alumni **LIVE IN NORTHERN**



ANNE FLETT-GIORDANO

Writer/Producer, *Frasier*
B.A., psychology/theater arts
Porter '76

CHUCK RANBERG

Writer/Producer, *Frasier*
B.A., theater arts/fiction writing
Porter '77

AS WRITER/PRODUCERS for the hit TV show *Frasier*, Chuck Ranberg and Anne Flett-Giordano have reached the top of a highly competitive field, but they don't seem to take it all too seriously. The two have been working as a team since they met at UCSC's Porter College (then College Five) in the 1970s and discovered a shared ambition to become TV writers. Says Ranberg, "We wanted to model ourselves on Buddy and Sally in the *Dick Van Dyke Show*." *Frasier* won Outstanding Comedy Series Emmys in each of its first four seasons, and Ranberg and Flett-Giordano took home writing Emmys in 1995 and 1996. Although they say that making it in TV took "longer than we expected as 18-year-olds," the team's path to success was fairly smooth. Their first TV writing job was with *Kate and Allie* in 1985, and they are currently preparing a new fall series to star Nathan Lane. Ranberg and Flett-Giordano say that working as a team is a big advantage for comedy writers. Flett-Giordano adds, "It's great to have a best friend to serve as a reality check; to bounce jokes off of to see if they're really funny."

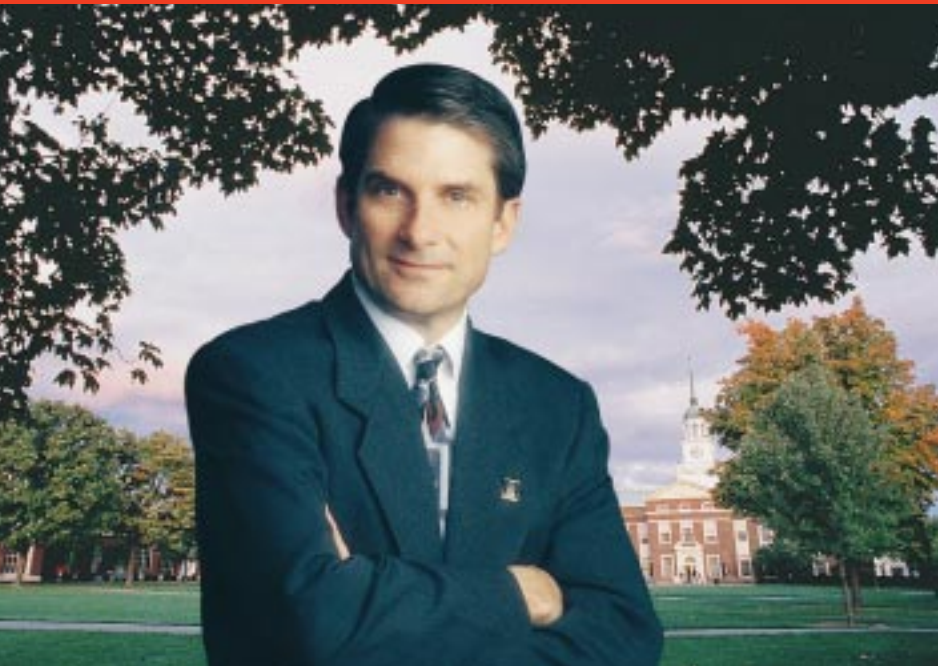


JAYNE ANN KRENTZ

Romance Novelist
B.A., history, Stevenson '70

SINCE JAYNE ANN (CASTLE) Krentz began writing romance novels in 1980, she's published more than 50 books under her own name and her pseudonym, Amanda Quick. She just celebrated the appearance of her 20th consecutive novel, *Sharp Edges*, on the *New York Times* Bestseller List. Krentz is very concerned about public perception of romance novels and has authored an award-winning critical work about her genre, *Dangerous Men and Adventurous Women: Romance Writers on the Appeal of the Romance*. Says Krentz, "Popular fiction encapsulates and reinforces many of our most fundamental cultural values. Romance is among the most enduring because it addresses the values of family and human emotional bonds." Krentz, a former librarian, has established the Castle Humanities Fund at UCSC's University Library, enabling the library to acquire books that it would not otherwise be able to purchase.

CALIFORNIA?



COURTESY BUCKNELL UNIVERSITY

WILLIAM “BRO” ADAMS

President, Bucknell University
Ph.D., history of consciousness, '82

WILLIAM “BRO” ADAMS pursued an academic career after leaving UCSC, serving on the faculties of the University of North Carolina at Chapel Hill, Santa Clara University, and Stanford University. At Stanford he met William Chace, who asked Adams to serve as his executive assistant (and later vice president) when Chace became president of Wesleyan University. Adams says he made the transition from academic to administrator with some reluctance, because he enjoyed teaching and research. However, he has found administration extremely rewarding and in 1995 became the 14th president of Bucknell, a prestigious private university in

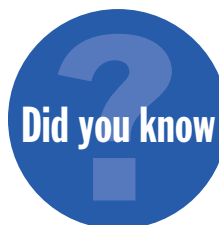
Pennsylvania known for its commitment to undergraduate education. At Bucknell, Adams has helped launch a \$150 million fund-raising campaign and overseen development of a strategic financial plan that will carry the campus into the next century. He says it's no coincidence that his career has focused on institutions that share UCSC's dedication to undergraduate liberal arts education: “UCSC decisively shaped my intellectual interests and fostered a strong appreciation for the liberal arts tradition.”



WILLIAM CHAVEZ

Chief of Staff for California State Senator Richard Polanco
B.A., politics, Merrill '76

AS A UCSC STUDENT, Bill Chavez didn't plan on a career in politics, but he was concerned then about many of the same social issues he addresses today in Sacramento. Chavez was editor of the *City on a Hill* student newspaper at UCSC and active in the California farm-worker organizing efforts of the mid-1970s. He went on to work for the Los Angeles



Did you know 24% of UCSC alumni majored in



County Office of Education and served as a member of the California Student Aid Commission. He now oversees the office and staff of California State Senator Richard Polanco (D-Los Angeles) and advises the senator on education policy. Among their top priorities are funding for schools and parks in urban areas to make cities "more kid-friendly." Chavez, who was recently elected a trustee of the UC Santa Cruz Foundation, hopes to help UCSC develop the enrollment capacity to accommodate the next wave of California students. Says Chavez, "We risk de facto exclusion if we don't step up to the plate."

BIOLOGY OR PSYCHOLOGY?



DEBORAH MADISON

Restaurateur, Author, and Teacher
B.A., sociology, Cowell '68

DEBORAH MADISON was among the California chefs who pioneered the use of fresh garden produce in gourmet cooking. She honed her skills at Chez Panisse in Berkeley during the 1970s and in 1979 was the founding chef of San Francisco's Greens restaurant, renowned for its sophisticated vegetarian cuisine. Madison penned *The Greens Cookbook* and later wrote *The Savory Way*, which was chosen cookbook-of-the-year by the International Association of Culinary Professionals (IACP). Her newest book, *Vegetarian Cooking for Everyone*, recently received both IACP and James Beard Foundation awards. While Madison no longer operates her own restaurant, she writes about food and farming and teaches cooking throughout the United States and Canada. She is also actively involved in her local farmers' market in Santa Fe, New Mexico. This summer, she will be a farm apprentice as well as a market manager, "to get my hands back in the dirt and be a student again."



BEN BALGOTT

LETICIA QUEZADA

President and CEO, Los Angeles Mexican Cultural Institute

B.A., psychology, Oakes '75

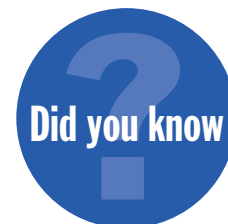
LETICIA QUEZADA has pursued a multifaceted career in public service since graduating from UCSC. She was the first Latina elected to the Los Angeles City Board of Education, serving from 1987 to 1994, and was the board's first Latina president. As a board member, Quezada stressed bilingual education, parent empowerment, and school-based management. Quezada was also the first Latina to sit on the L.A. Community College Board, serving from 1985 to 1987. In 1995, she was named president and CEO of the Los Angeles Mexican Cultural Institute, a nonprofit corporation established in 1990 to foster greater understanding between the peoples of Mexico and the U.S. through art, culture, and education. A true binational partnership, the institute sponsors a wide range of educational and cultural events, and its services include a library, a bookstore, and an art gallery that has exhibited works by renowned Mexican artists, including Rufino Tamayo and Frida Kahlo.



JOSEPH PALCA

*Science Correspondent,
National Public Radio*
Ph.D., psychology, '82

FOR JOE PALCA, science journalism has a lot in common with teaching. It's a chance to share his fascination and delight with science. "After all," he says, "if you can get people interested in statistics—that's what I taught as a graduate student at



95% of UCSC



NEEL MICHELL/ANDROM

UCSC—you can get them interested in any science topic.” After leaving UCSC, Palca spent four years as a TV producer, then moved into magazine journalism as U.S. news editor for *Nature* and senior writer with *Science*. Since joining National Public Radio in 1992, Palca has covered a wide range of science stories—from biomedical research to the *Pathfinder* landing on Mars. He is special correspondent for the new weekly NPR science program *Sounds Like Science* and has been guest

host of *Morning Edition*, *Weekend All Things Considered*, and *Talk of the Nation*. Palca is the 1998 winner of the American Chemical Society’s James T. Grady–James H. Stack Award for Interpreting Chemistry for the Public, and cowinner of a 1997 American Association for the Advancement of Science Journalism Prize for the five-part series, “How the Brain Works.” He is also president-elect of the National Association of Science Writers.



BEN BALAGOT

RICHARD CROWELL

Founder and Managing Partner,
Aurora Capital Partners
B.A., literature, Cowell '77

RICHARD CROWELL’S Aurora Capital Partners matches venture capital with companies—but it doesn’t fund the developing high-tech firms that dominate today’s headlines. Instead, it consolidates fragmented segments of more traditional industries, combining small companies into new enterprises that can compete successfully in their niches. Since Aurora Capital Partners was established in 1991, it has created eight new companies—with sales totaling \$1.8 billion—out of 56 smaller firms in an eclectic mix of industries, from propane gas distribution, to industrial linen, to wax refining. The capital to create these companies has come primarily from institutional investors and pension funds. Through research, Crowell’s firm selects industries that are good candidates for consolidation, then develops partnerships with strong managers, identifies and acquires the right small companies, and oversees the consolidation process. Over three to seven years, the companies develop and grow and are then sold or taken public. Since 1994, for example, Aurora has acquired 14 small companies in the automotive transmission remanufacturing industry and created the leading supplier in the market with \$550 million in sales.

alumni are **UNDER THE AGE OF 50?**



R. R. JONES

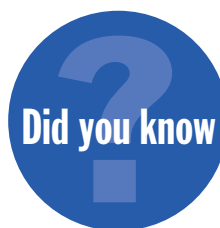
ARLENE DORN-TROWBRIDGE

Volunteer and Retired Teacher
B.A., sociology, Cowell '68

WHEN ARLENE DORN-Trowbridge transferred to UCSC from Cabrillo College in 1966, she was in her early 40s, which makes her one of UCSC's most senior alumni. She went on to teach in Watsonville's public schools, where many of her students were from migrant farm-worker families. She noticed that each year several students left for Mexico in November, not returning until the following spring. "They were at a great disadvantage," she says, "because they arrived in Mexico too late to enroll in schools there."

Working with education officials, teachers, and parents on both sides of the border, Dorn-Trowbridge played a key role in developing a standardized student progress form that is recognized as an official transfer document by schools in the U.S. and Mexico. She was also instrumental in changing the fall-only enrollment policy in Mexican schools. Her efforts evolved into the Binational Education Program, a highly regarded U.S.–Mexico partnership, and last year she was honored by the Mexican government for her work. Dorn-Trowbridge is an active UCSC, community, and church volunteer, and currently serves on the steering committee of the new Migrant Agricultural History Archive in University Library's Special Collections.

R. R. JONES



Did you know *more than a quarter of UCSC alumni are*

GORDON RINGOLD

*CEO and Scientific Director,
Affymax Research Institute*
B.S., biology, Crown '72

IN 1987, GORDON RINGOLD gave up a tenured faculty position at Stanford to head the Institute for Cancer and Development Biology at Syntex Research, where he felt he could have a greater impact on disease treatment. Now with Affymax, a Palo Alto pharmaceutical research and development company, Ringold is one of the driving forces behind California's "biotech revolution." Affymax integrates chemistry, molecular pharmacology, engineering, and computer science to develop techniques for synthesizing and screening vast numbers of potential drugs. Ringold says UCSC gave him the flexibility to mold his academic activities and actually design an undergraduate research program, training that prepared him well for graduate work at UCSF with Nobel laureates Harold Varmus and J. Michael Bishop. Ringold is active on UCSC's Deans' Advisory Council, a group of industry leaders building partnerships between the campus and the private sector, and was recently named a trustee of the UC Santa Cruz Foundation. He hopes to "increase awareness of UCSC's excellent technological and scientific capability" and help forge links with industry that benefit the campus.

COURTESY JUNG-HO PAK



JUNG-HO PAK

Symphony Conductor
B.A., music, Cowell '82

JUNG-HO PAK is being hailed as one of the nation's most promising young conductors. He was recently appointed music director of the University of Southern California Symphony and the San Francisco Conservatory of Music. He is also artistic director and principal conductor of the San Diego Symphony and is in his sixth year as principal conductor of the Emmy-nominated Disney Young Musicians Symphony Orchestra. Pak has also served as music director of the International Chamber Orchestra of the Idyllwild Arts Academy (which performed at the 25th anniversary celebration of the John F. Kennedy Center for the Performing Arts) and the critically acclaimed Diablo Ballet of Walnut Creek, California. Pak has been a pioneer in expanding the audience for classical music by developing innovative presentations for a traditional repertoire. He helped initiate the San Diego Symphony's highly successful Classical Rush Hour Series, one-hour programs offered at 6:15 to encourage attendance by downtown workers. With the Spokane Symphony, Pak conducts the Met Series, which features a post-concert question-and-answer session with orchestra members.

working in the fields of **EDUCATION AND HEALTH?**

SITE SPECIFIC



In 1993, UCSC art professor Nobuko Nagasawa and Czech Republic president Václav Havel stood together in the lush Royal Garden of the Prague Castle.



Attending the opening of an art exhibition, the two were dwarfed by Nagasawa's work, *Where Are You Going? Where Are You From?*—a 15-foot high, 82-foot-long, 100-ton bridge made of sandbags and barbed wire. With its war-era materials formed to mirror the nearby 12th-century Charles Bridge, the work invoked the region's rich and ancient

PHOTOGRAPHS COURTESY NOBUKO NAGASAWA



Prague, Czech Republic, 1993:

Where Are You Going? Where Are You From?
sandbags, barbed wire, hourglass

15 x 82 x 15 feet

ABOVE: Nagasawa with Czech Republic president Václav Havel

culture as well as its unsettled and violent history.

At the head of the massive structure, Nagasawa had installed an elegant hourglass crafted from the Bohemian crystal for which the republic is famous. The black and white sand inside had been gathered from sites in the Czech Republic and Slovakia.

The piece caught the president's eye.

"The hourglass represents the repetition of time, which is history," Nagasawa says. "President Havel is a man who went from being a political prisoner to president of a nation. To my great honor, he was the first



The highly visible art of Nobuko Nagasawa

person to turn the hourglass.”

During her 14-year career, the Japanese artist has planted dozens of site-specific projects around the globe, becoming a leading figure in the field of installation and public art.

Nagasawa is known best as “Nobi,” a name that is uncannily appropriate. Nobi is Japanese for “field fire”—the flame that reawakens the earth in the spring. And, like the pulse of spring, Nagasawa’s works—sculptures, earthworks, museum installations, and public art—breathe life into the ghosts and history of their sites.

Nagasawa’s works radiate a palpable power and vibrancy, the source of which is the place itself. She never conceives an idea until she has visited a site and conducted extensive research into the area’s past.

“For me the creative process of art-making is as meaningful as the work itself. I believe that art can provide a visual poetry to the environment as well as function as a catalyst to deconstruct and reinvent a new vision in our society. By revealing personal memories, collective

histories, hidden myths, and contradictory issues of human nature, I try to explore social and personal facets that can galvanize public interaction.”

Nagasawa’s work is in great demand these days. In January she completed her portion of a \$1 billion collaborative project with the city of Los Angeles, designing a Metro station in East L.A.’s commercial core. Without breaking stride, she picked up two new commissions this winter, codesigning McEnergy Children’s Park in San Jose and another children’s park in Santa Monica.

Along with her artwork, Nagasawa teaches full-time at UCSC, where she has been a faculty member for the past two years. “I enjoy teaching,” she says. “When you work with students there’s a great dynamic of give and take.”

Despite an unremitting workload, Nagasawa never seems to grow weary. In fact, she seems energized by the challenges. She is, as one colleague aptly described her, “a live-aholic.”

—BARBARA MCKENNA



Ushimado, Japan, 1988

Kiva

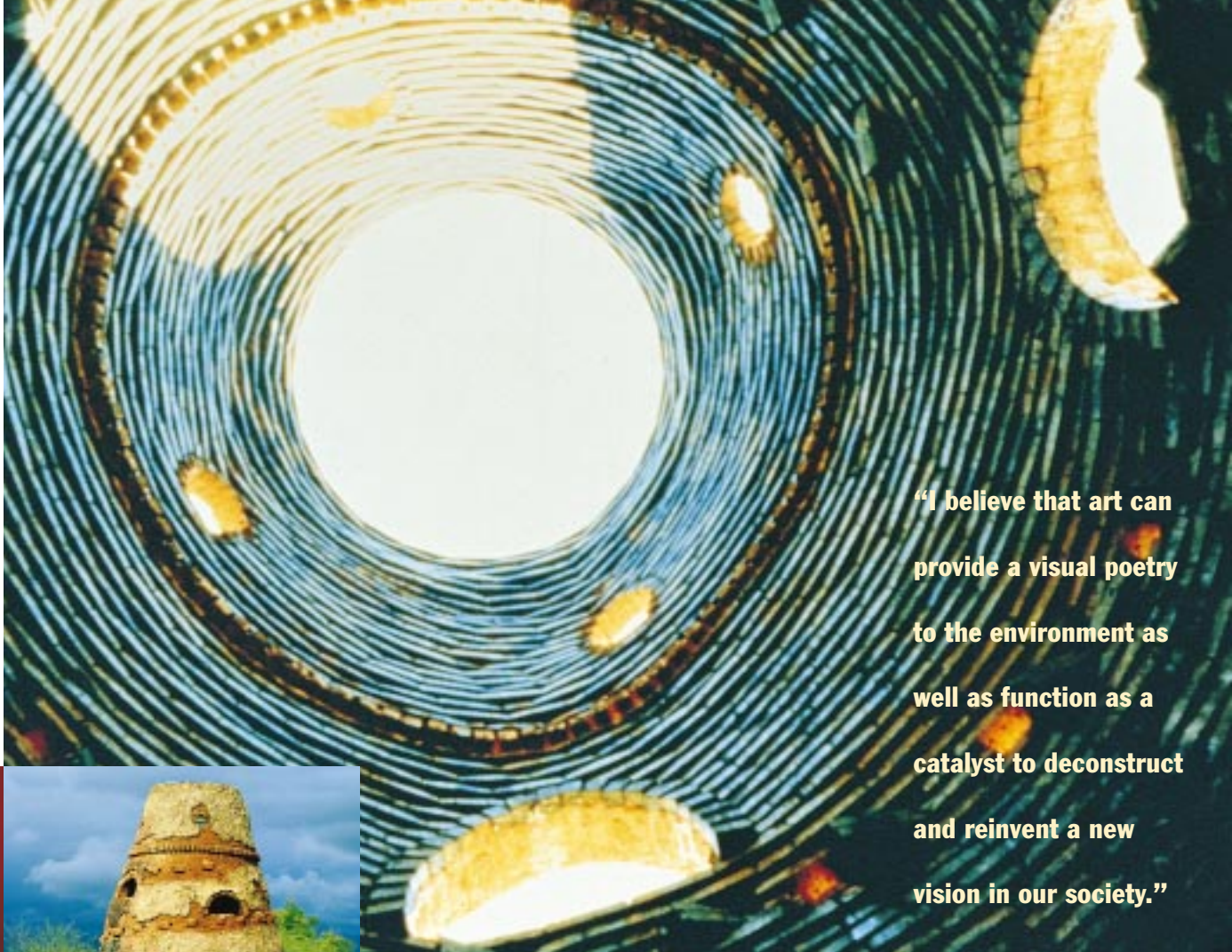
earth, granite, olive seedling
17 x 43 x 46 feet



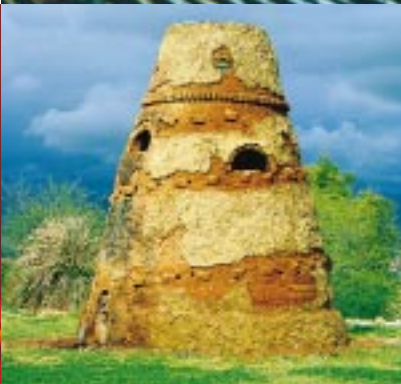
Tokoname, Japan, 1984

Noyaki (field firing)

earth, seawater, fire
7 x 17 x 5 feet



“I believe that art can provide a visual poetry to the environment as well as function as a catalyst to deconstruct and reinvent a new vision in our society.”



Valencia, California, 1987

Earthwork Process 7

brick, mud, straw, manure,
copper glaze, seawater, fire
24 x 16 x 16 feet



Nagoya, Japan, 1996

Mexico City, 1997

*May 13th, 1996, 10 a.m.,
I called the Pentagon.*

automobile, Geiger counter,
sandbags, barbed wire, video
projector, announced nuclear
test data (from the U.S.,
Britain, France, China, and
the former Soviet Union),
binoculars





Tyborøn, Denmark, 1995

*Bunker Motel/
Emergency Womb*
sandbags, sugar, plaster,
steel, army cot



Aachen, Germany, 1994

Pfalzkapelle
sandbags, barbed wire,
hourglass, water
14 x 13 x 13 feet

Pasadena, California, 1995

Orient-a-tion
cast soap doll bodies,
Japanese silk doll mask and
body, porcelain enamel
bucket, water, wood, baby
powder scent, video projec-
tion, sound



Los Angeles, California, 1996

*Banned, Censored, Challenged
("Banned in the USA")*
glass, steel, magnifying glass,
library card catalog



Making History

UCSC Women Shape Major New Book on U.S. Women's History

FOR POLITICS professor Gwendolyn Mink, having a hand in creating a major new book about U.S. women's history gave her a chance to enrich the story of women in this country. In the process, Mink provided 16 UCSC colleagues with a similar opportunity to leave their own mark on history.

Mink is one of five editors of the landmark book, *The Reader's Companion to U.S. Women's History*, a 672-page volume dedicated to capturing the experience of women in the United States from precolonial times to the present. With more than 400 articles written by over 300 contributors, the book fills a unique niche, offering insightful commentary on topics as diverse as feminist theology, Native American cultures, and Prohibition.

Gloria Steinem was approached about the project by publisher Houghton Mifflin in 1992, and she hand-picked the team of editors: Dartmouth College history professor

Marysa Navarro; Wilma Mankiller, former chief of the Cherokee Nation; writer Barbara Smith; and Mink.

Mink recalls being immediately intrigued by the prospect of such a major undertaking.

She and her coeditors approached the project as a challenge to broaden the scope of U.S. women's experience beyond middle-class white women—to make the book reflect the diversity of race, class, and sexuality that is part of this country's landscape. "It was a unique opportunity, and as far as I know, there's no other book like it," says Mink.

It took nine months to define the initial subject categories, and then an advisory board of historians weighed in.

"Our first meeting was on Inauguration Day in 1993 in Washington, D.C., and then we met again a few weeks later on President's Day in New York," says Mink. "Both were very long meetings, and after that it was hundreds of hours on tele-

phone conference calls. We'd talk for three or four hours at a time every week or two."

By fall 1994, the editors began to make assignments. Mink particularly enjoyed giving women who have made history

an opportunity to showcase their own ideas, accomplishments, and expertise.

"The book is better because Dana Frank writes about class, Angela Davis writes

on communism, Bettina Aptheker writes about cultural feminism, and

Dana Takagi writes about racial discrimination," says Mink, referring to UCSC colleagues who are among the contributors to the book. "It's great to give such visibility to women who have made history—and to women historians who have changed our understanding of history."

Other well-known contributors include Janet Benshoof, who had successfully defended

abortion rights before the U.S. Supreme Court and who wrote about reproductive rights; former Congresswoman Bella Abzug, who wrote about the women's economic development organization she founded; and Barbara Seaman, a pioneer in the field of women's health, who wrote about breast cancer.

The book is aimed at a general audience—most of the entries range from 250 to 1,000 words, and the volume is illustrated with 60 photographs.

As for working with a cultural icon like Steinem, Mink admits that she was curious initially about how Steinem would settle into such arduous, time-consuming, and detailed work. "She was very dedicated to the project," says Mink. "She never missed a conference call, and even when we'd been on the phone for three hours, she hung in there with everyone else. We all rose to the challenge, and we certainly all learned a lot."

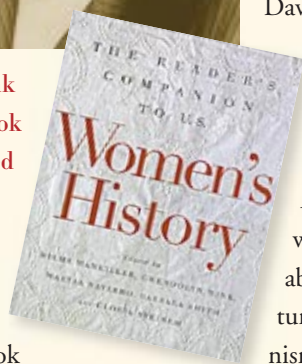
One of the biggest challenges for the editors, all of whom are accomplished writers, was to let each contributor speak in her own words, says Mink. "As editors, we had to sublimate ourselves to the authors' voices," she recalls. "That was hard for all of us, but I'm very happy with what came out. I think it's a great service."

—JENNIFER McNULTY



DON HARRIS

Wendy Mink and the book she coedited



Excerpts and photographs from the book . . .

Throughout the eighteenth and well into the nineteenth century, all U.S. women were barred from speaking “in public,” that is, from the pulpit, in the courtroom, or on the Senate floor. But general prescriptions for women’s silence were enforced so emphatically that when Emma Hart Willard, a white woman, addressed the New York legislature in 1819, she remained seated to avoid any suggestion that she was engaged in public speaking.

—CANDACE WEST, from “Public Speaking”



Left: Frances Clain, a soldier with Federal forces in Missouri, was one of hundreds of women who cross-dressed in order to serve in the Civil War.



Above: Red Cloud woman in a beauty shop in the Dakotas, 1941

Not only have women been savvy shoppers, well aware of manipulative marketing practices, but they also have consciously shaped their consumption habits for a wide range of political ends, developing creative consumer tactics through which to apply political pressure from within the sexual division of labor.

—DANA FRANK, from “Consumerism and Consumption”



Above: Mexican American women workers on the Southern Pacific Railroad during World War II



Above: Students of the Spelman Seminary for African American women, 1893

Racism is an enduring and integral part of U.S. history. From the earliest European incursion to the present, discriminatory practices and ideologies have informed state and institutional structures and have framed national popular consciousness and culture as well as social, economic, and political discourse. . . . Nonetheless, many Americans neither accept nor understand the centrality of race in U.S. history. Indeed, Americans tend to think of race as a residual problem, rather than as a core element of politics, institutions, and culture.

—DANA TAKAGI, from “Racial Discrimination”

UCSC’s contributors

BETTINA APTHEKER
Cultural Feminism

ANGELA DAVIS
Communism

DANA FRANK
Class; Consumerism and Consumption; Working-Class Feminism; Work

MARGE FRANTZ
Anticommunism; Industrial Workers of the World; Strikes

CARLA FRECCERO
Feminist Literary Criticism

LISBETH HAAS
El Barrio; Urbanization

SUSAN HARDING
Fundamentalism

AKASHA HULL
Harlem Renaissance

AIDA HURTADO
Latina Feminism

GWENDOLYN MINK
Affirmative Action; Citizenship and Nationality; Civil Rights Act of 1964; Feminisms; Legal Status; Obscenity; Title IX

NANCY STOLLER
Prisons

DANA TAKAGI
Racial Discrimination

CANDACE WEST
Public Speaking

MARILYN WESTERKAMP
Indentured Servitude; Puritanism

DEBORAH WOO
Asian Immigrant Women Advocates

ALICE YANG MURRAY
Asian Law Alliance; Asian Law Caucus; Japanese American Citizens League; Korean American Women

JUDY YUNG
Chinese American Women; Chinese Exclusion Act; Picture Brides

PHOTO CREDITS COURTESY OF (CLOCKWISE FROM UPPER LEFT): Trustees of the Boston Public Library; Denver Public Library, Western History Collection; Spelman College Archives, Atlanta; Arizona Historical Society, Tucson

Dancing with Dolphins

Marine mammal research may
help cetaceans survive in a
rapidly changing
environment

Little is known about the physiology of cetaceans, the order of mammals that includes whales, dolphins, and porpoises. Even though these charismatic animals are tremendously popular with the public, scientists have remained in the dark about many aspects of cetacean life. Two male Atlantic bottle-nosed dolphins at UCSC's Long Marine Laboratory, however, are helping researchers there shed new light on the subject.

Just as a sports physiologist examines top athletes for clues to their performance edge, associate professor of biology Terrie Williams is studying the dolphins, Primo and Puka, in an effort to understand the intricacies of their physiology better. In the process, the metabolic and biomechanical data Williams is collecting is providing vital knowledge that may protect cetaceans from an uncertain future.

"This research is filling us in on the basic 'how-they-work' biology of dolphins, and it's also giving us a better understanding of

what it takes for any mammal to make a living in the ocean," Williams says.

UCSC scientists have studied Primo and Puka since October 1994, when the dolphins began their residency at UCSC's marine facility, courtesy of a cooperative program that makes some of the U.S. Navy's trained dolphins available to civilian researchers. Williams's research, in fact, is primarily funded by the Office of Naval Research.

Williams and her team are paying particular attention to the various components of dolphin energetics—their exercise metabolism, temperature regulation, diet, and nutrition. "Once we understand the basic energetic needs of the animal, we can put the whole package together and say what a dolphin needs in its environment to survive," Williams says.

Armed with this knowledge, scientists will be in a better position to protect wild dolphins from the effects of human activities, notes LML's head dolphin trainer Billy Hurley. Coastal pollution, global warming, and competition

from commercial fisheries are among the challenges facing wild dolphin populations. Natural phenomena such as El Niño can also alter their environment and change the distribution of the fish dolphins eat.

"Solid research is the only way to truly address conservation issues," Hurley maintains. "We have to know what they face in the wild in terms of energy requirements, food sources, and competition."

Competition from commercial fisheries, for example, has been implicated in the declines of many populations of marine mammals, such as Steller sea lions in parts of Alaska, Williams says. If scientists are to understand fully the degree to which dolphins can cope with such changes in prey populations, researchers must

Coastal pollution, global warming, and competition from commercial fisheries are among the challenges facing wild dolphin populations.

Primo, one of two resident dolphins at Long Marine Lab, swims against a force-measuring instrument, part of a setup that allows biologist Terrie Williams to measure the dolphin's metabolic rates during exercise. Head trainer Billy Hurley looks on as Williams encourages Primo by stroking his head.

know how much energy the animals expend to pursue and capture food.

Likewise, understanding dolphins' ability to regulate their body temperature will indicate how much influence water temperature has on where they can live. Williams, for one, wonders whether changes in the geographic ranges of dolphins observed during El Niño conditions occur because they are following certain prey species or responding to water temperatures. Knowing the physiological limits of different species of cetaceans will help scientists understand the roles various environmental factors play in

determining their ranges.

Williams has focused much of her research on the energetics of swimming, measuring the dolphins' metabolic rates during exercise and assessing the efficiency of their swimming strokes. For biomechanical analyses, Williams uses a digital video camera and computer software originally developed to help athletes improve their performance.

Training the dolphins to take part in these experiments was especially difficult, Hurley says. Each dolphin is trained to place its "nose" (actually its rostrum) into a cup and push on the cup by swimming in place

(pictured above). A transducer behind the cup measures the force applied. While the dolphin swims in place, researchers monitor its heart rate and oxygen consumption. The experiment is the dolphin version of a treadmill workout.

The dolphins' participation in the experiments is voluntary, Hurley notes. "They can quit and swim away anytime they want. For this particular experiment I had to get them to do one behavior, swimming in place, for 20 minutes straight with no reward until the experiment was over."

Each time one of the dolphins completed the experi-

ment, Hurley rewarded it with a lavish meal of fresh fish. For the researchers, meanwhile, the payoffs are valuable insights into dolphin energetics.

"The system measures how much force they're producing and how much energy it takes to create that force, while an underwater camera records what kind of swimming stroke they're using, so we can see what kind of stroke is most efficient," Williams says.

She and her research colleagues are building upon the information that Primo and Puka have provided, applying it to studies they are conducting of dolphins in the open ocean. Such ocean observations have taken Williams and her team to the Bahamas and San Diego, where they monitored the deep dives of trained dolphins and other marine mammals. And in a new project, Williams's team is working much closer to home—studying the physiology and behavior of wild dolphins in Monterey Bay.

—TIM STEPHENS

CHUCK DAVIS/TIDAL FLATS, LTD.



DEAN E. MCHENRY



1910–1998

DEAN E. MCHENRY, founding chancellor of UC Santa Cruz, died on March 17 at the age of 87. Before becoming UCSC's first chancellor, McHenry had been a driving force behind the growth of California's multitiered system of public higher education. "As both an architect of UC Santa Cruz and an advocate for a system of public higher education that served all students, Dean McHenry literally touched the lives of generations of Californians," noted M.R.C. Greenwood, UCSC's current chancellor.

McHenry's career began at Williams College in Massachusetts, where he taught government. Joining the political science faculty at UCLA in 1939, he authored *The American Federal Government*, *The American System of Government*, and other books.

Almost 20 years later, he went to work for UC President Clark Kerr. With Kerr, McHenry helped draft California's Master Plan for Higher Education in 1960—a blueprint that defined specific roles for the state's three systems of higher education and provided a vision of a low-cost education that would be accessible to all Californians.

Appointed chancellor of UCSC in July 1961, Dean McHenry began his 13-year tenure as head of the campus a little more than four years before UCSC opened with a class of 650 students. When he retired in June 1974, the student body totaled 5,000.

"Dean was an originator," said John Dizikes, professor of American studies at UCSC. "There are few people who have such an opportunity and even fewer people who realize the opportunity."

For more on McHenry's life, see the following Web site:
www.ucsc.edu/currents/97-98/03-23/mchenry.htm



FACING PAGE: A 1966 portrait of McHenry by Ansel Adams; ABOVE: Dean and Jane McHenry in 1997 in the courtyard of UCSC's McHenry Library; LEFT: posing for a Time magazine publicity still in 1962.



VESTER DICIC/COVELLO & COVELLO

Alumni Association Councilors, 1998–99

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Stephen Klein, *President*
Michael Twombly

Stevenson

Diana Reece, *Vice President for Programs*
Heather Urquhart, *Vice President for Administration*

Crown

Michael Brown
Linda Wilshusen, *Vice President for Finance*

Merrill

Alan Acosta
Dominador Siababa

Porter

Daren Lewis
Linda Ziskin

Kresge

Douglas Foster
Richard C. Hall

Oakes

Renée Martínez
Eric D. Thomas

College Eight

Joanne Foxxe
Robert Weiner, *President-Elect*

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Mark Adams
Adilah Barnes
Carol Bradshaw
Aimee Dudovitz
John Laird
Sandor Nagyszalanczy
Kathryn Tobisch, *Vice President for Membership*

Ex Officio

Carolyn Christopherson, *Executive Director*
Michael Cowan, *Past Chair, Academic Senate*
M.R.C. Greenwood, *Chancellor*
Steven Jung, *Past-President*
Heliana Ramirez, *Chair, Student Union Assembly*
Nathan Sanders, *President, Graduate Student Association*



Be a reunion organizer: It's almost as much fun as the first time you did the frug!

Success of reunions hinges on volunteer involvement

A REUNION LUNCHEON for all alumni, with emphasis on the classes of '94, '89, '84, '79, '74, and '69, is being planned for Saturday, April 17, 1999. The luncheon will take place during Banana Slug Spring Fair campus open house.

In addition to planning the luncheon, the Alumni Office is calling for volunteers to organize specialized reunion gatherings. Among these may be a 30-year reunion for the "pioneer class"—those who were enrolled at UCSC in 1965 and the class of '69—and a 20-year reunion for the class of '79. In recent years, alumni volunteers and campus departments have organized reunions for economics majors, journalists, those who worked at *City on a Hill*, dancers with Los Mejicas, and gay, lesbian, and bisexual alumni, among other groups.

"If you want to create a re-

union that's as special and life affirming as your experience was here at UCSC, volunteer on your reunion committee," urges Judy Einzig (Cowell '69), who helped organize a memorable 20-year reunion weekend a decade ago for the pioneer class. Committee members plan a reunion's format and get in touch with old friends to encourage their participation. A reunion committee's work can be accomplished in as few as two meetings or many more, depending upon the complexity of the reunion program envisioned. Teleconferencing makes possible the participation of alumni regardless of where they live.

The Alumni Office actively supports the efforts of reunion committees. It offers use of its database of alumni addresses, the expertise of an experienced reunion planner, and funding for reunion mailings and phoning.

Alumni interested in volunteering should call the Alumni Office now at (800) 933-SLUG for more information or to volunteer. Local alumni may call (408) 459-2530.

Alumni Association donates \$10,000 in Dean McHenry's name

THE ALUMNI ASSOCIATION has donated \$10,000 to the UCSC Arboretum as a memorial to UCSC's founding chancellor, Dean McHenry, who died in March. McHenry was a major supporter of the Arboretum.

The Alumni Association's gift will be used to finish an outdoor amphitheater at the Arboretum. The finished site will be made available for weddings and other uses.

"The amphitheater will be a wonderful addition to our fine Arboretum," Ron Enomoto, interim director of the Arboretum, said. "Dean McHenry actually worked on this exact site and was instrumental in the initiation and success of the Arboretum. The Arboretum will always be grateful for his contributions and those of the Alumni Association for enabling us to complete this fitting tribute to Dean McHenry."

Steven Jung, the 1997–98 president of the Alumni Council, said, "Those of us who had the privilege of having met Dean McHenry, whether as students or alumni, deeply mourn his loss. In another sense, all of us knew Dean McHenry through the programs and traditions he established at UCSC—the colleges, narrative evaluations, extensive undergraduate research opportunities, a commitment to undergraduate education, and a respect for the campus's natural environment—and therefore share in that loss. So, on behalf of all UCSC graduates, the Alumni Association has made this donation to honor the founding chancellor, and to reaffirm our commitment to the ideals and principles that he brought to UC Santa Cruz."

PIONEER CLASS PHOTO BY VESTER DICK, CIRCA 1965/COWELLO & COWELLO PHOTOGRAPHY

Alumni vintners, friends support scholarship fund

DURING HIS SENIOR YEAR AS a chemistry major, Hugh Chappelle (College Eight '86) was looking for a part-time job. An announcement at the Career Center led him to a "guy Friday" position at a tiny winery in the Soquel hills. In the midst of "making good wine and having a lot of fun," Chappelle discovered a career chosen by a surprising number of UCSC graduates: wine making. "Wine making involves a lot of different skills, and an education at UCSC tends to produce well-rounded people with a lot of interests," explains David Graves (Crown '74), general partner at Saintsbury and a member of the UC Santa Cruz Foundation board. "Wine suits them."

Chappelle (now wine maker at Madroña Vineyards in the Sierra foothills), Graves, and some 15 of their counterparts from throughout the state gather each year at the Alumni Vintners Wine Tasting sponsored by the Santa Cruz Chapter of the UCSC Alumni Association. While serving as a reunion of sorts for the vintners (Chappelle ran into a former chem-

istry-lab partner last year), the event's most important function is showcasing alumni wines and the campus at the height of its summertime beauty. Just as important, the event provides financial support for the Alumni Association Scholarship Fund. Last year, 350 guests, including Chancellor M.R.C. Greenwood, bid on silent-auction items donated by local businesses. Auction proceeds went directly to financially needy UCSC students. Scholarships of \$2,500 were awarded to undergraduates Zoë Tobier and Erik Samayoa (see photo, right) as a result of the 1997 wine tasting's success.

This summer's wine tasting will be held on Saturday, August 1, from 5 to 7:30 p.m. The event location—the outdoor courtyard at the Elena Baskin Visual Arts Studios on campus—offers a panoramic view of the Monterey Bay. Guests will enjoy live jazz, delicious hors d'oeuvres, and the knowledge that they're supporting the scholarship fund. Tickets are \$22. Tickets to 8 p.m. performances of *Othello* and Beaumarchais's *The Marriage of Figaro* are also available at discount prices. All friends of UCSC are invited; to RSVP, call the Alumni Office toll free at (800) 933-SLUG or locally at (408) 459-2530 by Wednesday, July 22.



ALUMNI SCHOLARSHIPS: Ten financially needy undergraduates received \$2,500 scholarships in 1997–98 funded by the Alumni Association. They are (l–r) Wilfrido Cruz (Merrill, history), Roxanne Brown (Merrill, politics), Zoë Tobier (Porter, undeclared), Stephanie Wills (Oakes, undeclared), Erik Samayoa (Crown, biology), Ryan Bonea (Cowell, undeclared), Brian Walker (Merrill, undeclared), Rameen Gasery (Oakes, sociology), and Jeff Francis (College Eight, environmental studies). Not pictured: John Jin Kang (Crown, biochemistry).



Among the 350 guests at the 1997 Alumni Vintners Wine Tasting were (l–r) Rob Franks (Crown '75), former president of the Alumni Council; Donna Franks; and Superior Court judge and former Alumni Council member Greg Ward (Stevenson '69). This memorable summer event showcases the fine wines produced by UCSC-graduate vintners. Proceeds benefit the Alumni Association Scholarship Fund. All friends of UCSC are invited to this year's tasting, planned for Saturday afternoon, August 1.

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COST (INCLUDES LUNCH):
\$60 Alumni Association members*
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*Add \$15 for registration after September 12

For more information,
call the UCSC Alumni Association:
(800) 933-SLUG

ALUMNI NOTES

Cowell College

- '69 Thicea (Cynthia) VINCENT Besan is an educational kinesiology consultant and an educational therapist/herbalist; she belongs to the Association of Educational Therapists and Orff Schulwerk Association, as well as the Native Plant Society and the Nature Conservancy.
- '70 Peter SILTEN exhibited his paintings and limited-edition prints this past winter at Stanford Art Spaces on the campus of Stanford University.
- '72 Lawrence Lee JONES and Peter FITZSIMMONS (Crown '72) were, respectively, Captain Vere and Kincaid in Herman Melville's *Billy Budd*, staged aboard the sailing ship *C. A. Thayer* at the Hyde Street Pier in San Francisco and produced by Jones's Venture Theatre; the production won six 1997 Bay Area Drama-Logue awards, including "Outstanding Production." Dennis O'BRIEN (Porter '92) was also in the cast.
- '76 Nancy DILEANIS Brynson is working as a consultant in the California Department of Education in reading/language arts; she's been married for 12 years, has a four-year-old son, and lives in Sacramento.
- '77 Kate O'SHEA's book, *Healing Hip, Joint, and Knee Pain*, was recently published by North Atlantic Books.
- '80 Steve MAYERS, a resident of San Francisco for 10 years, lives alone with two Abyssinian cats and is completing a certified videography program at Bay Area Video Coalition.
- '83 Bonnie Rose HOUGH is working as a senior attorney for the Judicial Council of California on a program to increase access to the courts for people with family law problems.
- '89 Matthew Liao-TROTH has finished his Ph.D. at the University of Arizona in organizational behavior and management and is starting a faculty job at DePauw University in the Public Services Graduate Program in the area of nonprofit management. Laura McCLANATHAN Trounson married Chris TROUNSON (Cowell '91) in 1995. Laura is currently on the staff of the Getchell Library at the University of Nevada at Reno after working for seven years at UCSC's McHenry Library.
- '90 After completing a Ph.D. in clinical psychology at the California School of Professional Psychology—Los Angeles in 1996, Gregorio CANILLAS is working with abused children and teaching in a graduate program.
- '91 Steve Robert GIBSON and his

wife, Sylvia, have been married for four years; he is a corporate paralegal in a Palo Alto law firm and plans to attend law school.

Stevenson College

- '67 Robert DODGE retired after 27 years with Oregon's Adult and Family Services Division and is now doing volunteer work in the community.
- '71 Carolyn CAMPORA has been living in Manhattan since 1970; she is a master of Tai Chi and Kung Fu at Nabi Su Martial Arts, her school in Greenwich Village, and is "delighting in [her] second year of marriage to husband Robert."
- '72 Lisa CORREA-Mickel relocated to Santa Cruz in January 1998 with her husband, Scotty, and her three sons, Joaquin, Javier, and Julio; she's teaching middle school and living at the beach in Pleasure Point.
- '73 Evvie RASMUSSEN Becker, an assistant professor of psychology at the University of Connecticut, is coauthor with Annette Rickel of *Keeping Children from Harm's Way: How National Policy Affects Psychological Development* (American Psychological Association, 1997).
- '74 John CHAPMAN continues to teach English at Tokay High School in Lodi, Calif.; currently he is involved in establishing a school-to-career agribusiness academy.
- '76 Lee Palmer WANDEL will join the History Department at the University of Wisconsin—Madison in September 1998.
- '77 Steve UNRUHE is one of four North Carolina teachers to receive a Presidential Award for Excellence in Mathematics and Science Teaching from the National Science Foundation, which comes with a \$7,500 grant; he has taught for 11 years at Riverside High School in Durham.
- '87 Jim GILBERT lives in Santa Cruz with his wife, Susan; recently he became the manager of new business development at an Internet start-up.
- '88 Lisa MASSINGHAM is an attorney and negotiates contracts for Pacific Bell and SBC Communications.
- '90 Matt CHEW Spence is a network engineer for NASA Research and Education Network (NREN); he is designing and implementing an experiment to prototype remote science payload command and control on the international space station via the Internet. He asks if any UCSC faculty are interested in participating.
- '91 Luz COBIÁN is in the M.S.W. program at the University of Southern California and is working in Pasadena at Community Housing Services in the Head Start Program as a resource analyst. Jennifer YEARLEY is finishing up her first year of vet school at Washington State University College of Veterinary Medicine in Pullman.
- '92 Andrea FERNANDEZ Gonzalez manages a program serving developmentally disabled adults; she is married to Pablo GONZALEZ (Stevenson '92).
- '93 After completing a master's in health service administration at the University of San Francisco in 1997, John HALLIWILL was accepted to a doctorate program in clinical psychology at John F. Kennedy University and began working for the IRS.
- '94 Douglas DURWARD is married to Amy THORNHILL (Merrill '96); he is currently employed as a senior law clerk and is in his second year of law school.
- '95 Kirsten BERZON has been working as a development associate for Girls Incorporated of Alameda County since August 1996. Michael (Marty) COURET and Kimberly CARLSON (Stevenson '95) are planning to be married in July 1998.
- '96 Gia CHEN is working as a behavior therapist with autistic children in the Bay Area.

Crown College

- '69 Steve GREY and his wife of 21 years represent Hilton Grand Vacation Club in Las Vegas; alumni wishing to visit are welcome to call (702) 367-3668.
- '73 Bill ALLAYAUD has relocated to Salt Lake City after 20 years of working for the California Coastal Commission; he is a city planner with the city of Salt Lake and spends his time with neighborhood groups, with his new family, surfing Wasatch powder, and biking the mountains and desert.
- '80 After taking several years off to raise children, Valerie FERGUSON Curry spent a few years with her own computer graphics business and is now doing tech support for a software company.
- '83 Kenneth BURTON is director of the Training and Outreach Program at the Institute for Bird Populations. Karen HUTCHINSON Wilbur is raising her three young sons and working part-time as an internist in San Diego; she and her husband are looking to relocate to Oregon in the next year or so.

- '84 Nancy PAUKEN is employed as an international tax analyst at Seagate Technology and as a freelance writer and editor.
- '87 Karoline DELANEY graduated in May 1997 from UCLA School of Law and is now doing intellectual property law at Knobbe, Martens, Olson and Bear in Newport Beach.
- '91 Hillary Trivett MAY married David Alemian in September 1997; currently she is manager of corporate communications at Castel in Malden, Mass.
- '92 After receiving an M.D. from Yale University, Anna BLOXHAM is going on to a residency in internal medicine at UC San Francisco, and she is still playing the piano. Lisa MILES is working for Informix Software as a financial analyst.
- '94 Robyn STODDARD is in her second year at the School of Veterinary Medicine at UC Davis. Rebecca SWANSON joined the Columbus, Ohio, law office of Vorys, Sater, Seymour and Pease as an associate; she holds a J.D. from Vanderbilt University School of Law.
- '97 Savannah BOUCHÉ is working for the California Department of Fish and Game and participating in the restoration of one of the largest wetlands in North America.

Merrill College

- '71 William BAGLEY is editor of the book *The Pioneer Camp of the Saints: The 1846 and 1847 Mormon Trail Journals of Thomas Bullock*, which chronicles the journey of Brigham Young's pioneer party to the Great Salt Lake Valley.
- '73 Gerald RODRIGUEZ has been hired as the new East Bay/Peninsula/San Jose program director for the northern California region of the National Foundation for Teaching Entrepreneurship (NFTE), a nonprofit organization that develops entrepreneurship education curricula and programs targeting at-risk youth.
- '76 Responding to an article in the last *UC Santa Cruz Review* magazine on a student majoring in community studies, Madeline O'NEILL Hawdon writes that she "too was helped by [community studies] program coordinator Mike Rotkin." A re-entry student with a full-time teaching job and eight children at home, Hawdon says she felt like quitting and credits Rotkin with giving her confidence and encouragement. Since graduating, Hawdon has

worked as an administrator and consultant for Head Start, founded 10 preschools for a national franchise, and is now, at age 70, a child development associate adviser for Central Arizona College.

'80 **Lori PLAGER** is living in L.A. and working in entertainment and licensing at Mattel; she is a recent breast cancer survivor and is "happy to be alive!"

'89 **Robin Charles HUIGEN** is a sociology lecturer at CSU Fresno and lives in Bozeman, Mont., in the summer. She writes, "I loved UCSC; it was such a great experience. The sociology faculty is great!" **Rafael REYES** is living in San Francisco and having a great time; he continues a successful computer consulting career and is getting involved in the World Affairs Council. It was a big year for **Michael ROSE**: He turned 30 in December 1997, was planning to get married in May 1998, and has a great job as a carrier sales manager in the telecom industry.

'90 **Walter LEVISON** is a consulting arborist; he can be reached at wlevisonjr@aol.com.

'91 **Krista MAYNARD** and her husband welcomed a son, Luke Robinson, in November 1997.

'95 **Lt. Richard CAO** is a commissioned officer in the U.S. Air Force, serving as a political military intelligence analyst with the United States Southern Command in Miami, Fla.

Porter College

'75 **Lori HIGA** is a technology marketing consultant with KVO Advertising and Public Relations in Mountain View, Calif.

'77 **Barbara EDELSTEIN**'s water sculptures and drawings were on display as part of the Venice Art Walk in Los Angeles in May. **B. J. (Betty) BAUER Glowacki** is studying toward an M.A. and a teaching credential at San Diego State University.

'85 **Rob LAMMÉ** is covering the North Carolina legislature and other statewide issues for the *Greensboro News & Record* and preparing to move to Raleigh. **Rebecca ROBERTS** is working at MSNBC on the Internet, and she shares a home in Seattle with her kitty, Odessa. **Elizabeth LICHTMAN Smith** is working as an associate editor at *U.S. News & World Report* magazine in Washington, D.C., with fellow Banana Slugs **Erica GOODE** (Graduate Studies '79), **Shannon BROWNLEE** (College Eight '79), and **Laura TANGLEY** (Graduate Studies '83).

'87 After 15 years in Media Services at UCSC, **Brian DUGGAN** accepted a position as the instructional technology consultant at CSU Stanislaus in Turlock, Calif.; he has written an

award-winning article on the unlikely connection between Saluki hounds and Lawrence of Arabia and a chapter in the recently published book *Traveler's Tales: A Dog's World*. Currently Duggan is working on a book about British adventurers in the Middle East and their Salukis.

'91 **Andrew EHRNSTEIN** is enjoying life in Colorado, where he married Cynthia in September 1997 and started an air freight business.

'92 **William SANDOVAL** graduated from Stanford Law School in 1996 and started Sublime Technologies with friends in Palo Alto in 1997. He writes that "life is now very complicated. I miss Santa Cruz!"

'94 **Analisa NAZARENO**, education reporter for the *San Antonio Express-News*, has won the Texas Classroom Teachers Association 1997-98 Silver Apple media award, in the print category, for a series of stories she wrote examining the roles that teaching, home life, and family income play in the lives of two honors students with very different life circumstances.

Kresge College

'76 **Nora GOODFRIEND KOVEN** is working in family violence prevention for the San Francisco Department of Public Health; her second child, Eva, is enrolled at UCSC at Oakes College.

'79 **Doug FRIEDMAN** writes songs and plays them in Los Angeles; he ran for city council there—something he had always wanted to do—and survived. After 23 years away, **Megan JOHNSON** returned to her hometown of Chico, Calif., where she's working part-time as a family physician and enjoying life with her husband and two young sons.

'80 **Jim JUBELIRER**, a senior consultant for Burke Customer Satisfaction Associates in Chapel Hill, has been selected to serve on the 1998 board of examiners for the North Carolina Quality Leadership Award.

'85 **Denise MAILLO** just started a new job as a field rep for the Census Bureau. '90 **Jenai LANE** is president and CEO of Respect, Inc.; she was recently chosen as Young Entrepreneur of the Year by the U.S. Small Business Administration.

'92 **Kimberly WOOD**'s graduate thesis project, a short documentary film about the life of 1920s motorcycle daredevil Lilly La France—called *Advice to Adventurous Girls*—was invited to screen at the 1998 Sundance Film Festival; her production company,

Skinned Knee Pictures, is currently developing a feature narrative based on Miss La France's life.

'94 **Erin PLOSS-Campoamor** is a documentary filmmaker in Berkeley; her current film project, *The Good Egg*, chronicles her experience as an ovum donor for an infertile couple.

Jes CISNEROS received his master's degree in history from the University of Illinois at Urbana-Champaign in 1995, got married in 1996, and is now living in Chicago and working as an academic counselor at Northern Illinois University. **Reliang TSANG** is completing a master's degree in museum studies.

Oakes College

'76 **Cathy HARRIS** is an administrative coordinator for the Dumont-UCLA Liver Transplant Program. She'd love to hear from old classmates, especially Joan Presky and Daniel Peck.

'79 **Marc Dvorak REMIS** is senior staff attorney for the California Department of Corrections, where he spearheaded computer network and Internet access for legal staff; his work involves civil rights defense for First Amendment issues at California prisons.

'85 **Jeff THOMAS** is enjoying his new position as the urban development manager in Allstate Insurance Company's northern California regional office; he was appointed recently to the board of directors of Sacramento Neighborhood Housing Services—a nonprofit organization working to promote home ownership.

'87 After receiving an M.A. in urban planning from UCLA in 1991, **Rene CASTRO** is an organizing coordinator for the United Food and Commercial Workers International Union in Los Angeles.

College Eight

'74 **Donna FECI-Cavaillé** completed a master's degree in Spanish at UC Santa Barbara in August 1997 and is now teaching Spanish at San Lorenzo Valley High School in Felton, Calif.

'82 **Tracy EELLS** lives in Louisville, Ky., with his wife and two young sons; he is an assistant professor in the Department of Psychiatry and Behavioral Science at the University of Louisville.

'84 After five years in the Meditation Group, **Stephanie MOURA** has taken a position as a project engineer on the Combined Sewer Overflows Program for the Massachusetts Water Resources Authority; she and her partner are co-

parents of a baby boy born to her partner last year.

'86 **Mark GRAHAM** began working for the Federal Emergency Management Agency after the 1989 earthquake; currently he supervises trainers at disaster field offices.

'87 **Matthew CROWELL** climbed Mt. Fuji in 1995 and is now looking for new career heights after six years as a manager at F. A. O. Schwarz.

'88 **Sara BEALS** is now residing on Cape Cod and is a professional massage therapist and Tai Chi instructor specializing in pain management and body mechanics for convalescents. **Mysti RUBERT** is a writer at Twentieth Century Fox, Filmed Entertainment Division; she won two regional awards for her screenplay *St. John*—in the Nevada State and Wordsmyth competitions—and placed as a semifinalist in the national Chesterfield screenwriting contest.

'95 After teaching biology in New York City last year, **Sarah Stark LOWENTHAL** is now a first-year medical student at the University of Chicago.

Graduate Studies

'80 **Dan A. LEWIS** is a professor of education and social policy at Northwestern University; he lives with his wife and two sons in Evanston, Ill.

'84 **James GURLEY** is a professor of American literature at Morioka College in Japan; he can be reached by e-mail at gurley@echma.ne.jp. **Larry WHITE** is a professor of psychology at Beloit College in Wisconsin; last year he was a Fulbright lecturer in psychology at Tartu University in Estonia.

'97 **Clifford HARRIS** has been appointed to a tenure-track position as assistant professor of organic chemistry at Albion College, a private liberal arts college in south central Michigan.

In Memoriam

Victoria WELLS (Cowell '69), a pioneer in the breast cancer movement on the West Coast and cofounder of the Cancer Support Community, which provides education and support services to breast cancer patients, died September 16, 1997, at her family home in Oregon.

Tabb Stewart VADON (College Eight), a marine biologist, expert diver, and ocean-diving instructor, drowned while free diving off Anacapa Island on October 31, 1993; he was 27.

UC Santa Cruz ARTS & LECTURES

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