

UC SANTA CRUZ

REVIEW

Spring 2005

A portrait of Denice D. Denton, the ninth chancellor of UC Santa Cruz. She is a woman with curly, light brown hair, wearing red-rimmed glasses and a vibrant red, long-sleeved button-down shirt. She is seated and smiling slightly at the camera. Her left arm is resting on her right knee, and she is wearing a silver watch and a silver bracelet. A necklace with circular pendants is visible around her neck. The background is a textured, greyish-blue wall.

**Meet UCSC's
Ninth Chancellor:
Denice D. Denton**

**Celebrating 40 years of
alumni achievement**

**Providing financial
support for students**



Jennifer Dunn, student
Telephone Outreach Program

When a student calls, say 'YES.'

STUDENTS are making an all-out effort this year to raise funds for scholarships and fellowships at UC Santa Cruz. They are asking you to help by making a generous pledge to the \$50 million Cornerstone Campaign.

So, when a student calls, *please* say 'yes.'



UC SANTA CRUZ

REVIEW

UC Santa Cruz

Review

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Produced by UC Santa Cruz Public Affairs
3/05(05-045/89.3M)

UC Santa Cruz (USPS 650940)

Vol. 42, No. 4 / March 2005

UC Santa Cruz is a series of administrative publications published in August, September, November, and March by University Relations at the University of California, Santa Cruz. Periodicals postage paid at Santa Cruz, CA 95060. Postmaster: Send address changes to the University of California, Santa Cruz, University Relations, 1156 High Street, Santa Cruz, CA 95064-1077.

8 Q&A: CHANCELLOR DENICE D. DENTON

New chancellor Denice Denton describes the UCSC qualities that attracted her to the post—and that make her optimistic about the campus's future.



PAUL SCHRAUB

10 40 YEARS... AND COUNTING

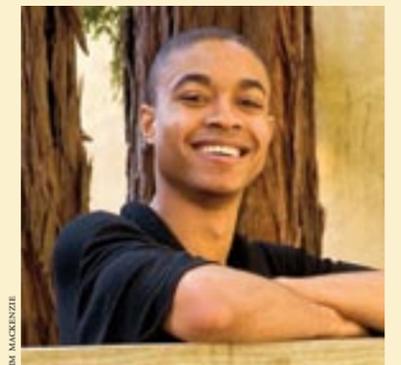
Julie Packard, executive director of the Monterey Bay Aquarium, is one of many alumni we celebrate to mark the campus's 40th year.



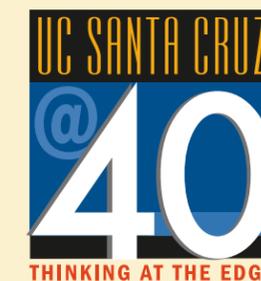
R. B. JONES

22 CORNERSTONE CAMPAIGN UPDATE

Raising money for scholarships and fellowships, which support students like Charles Tolliver, is a priority of UCSC's first campus-wide fundraising campaign.



JIM MACKENZIE



Departments

CAMPUS UPDATE 2

ALUMNI NEWS..... 24

ALUMNI NOTES 26



A day after she was named UCSC's ninth chancellor, Denice Denton traveled to campus, where she met with members of the UCSC community.

UCSC welcomes its ninth chancellor

A STANDING-ROOM-ONLY crowd turned out to greet Denice D. Denton during her first visit to campus after the Board of Regents named her UC Santa Cruz's ninth chancellor.

Less than 24 hours after the announcement was made on December 14, Denton was welcomed to UCSC by University of California President

February 14, comes to UC Santa Cruz from the University of Washington, where she served as dean of the College of Engineering. She is clearly thrilled by her new affiliation.

"This has been a wonderful experience," said Denton of her selection. "I'm trying to enjoy it and take it all in. The University of California leads the United States and the world in public higher education," she added, noting that UC is thereby also at the forefront of the "challenges and opportunities" facing academia today.

More than 700 people applied for the top post at UCSC, a process that began in May, noted search committee member and UCSC chemistry and biochemistry professor Eugene Switkes.

"It was a sunny day when the committee was charged, and it's a sunny day this December 15 when we welcome Chancellor Designate Denton," said Switkes. "I look forward to working with you, Denice."

Robert C. Dynes, Acting Chancellor Martin M. Chemers, and several hundred people who filled the Media Theater.

Denton, who took office

The new chancellor offers her views of UCSC and outlines the emerging goals of her administration. See Q&A, pages 8-9.

Computer simulation of Indian Ocean tsunami

SOON AFTER HEARING news reports of the tsunami that devastated coastal regions throughout the Indian Ocean, research geophysicist Steven Ward, an expert on tsunami hazards, went to work on his computer.

Using sophisticated computational techniques to simulate the tsunami, Ward created an animated movie showing the tsunami waves spreading out through the Indian Ocean from the site of the powerful earthquake that triggered them. The simulation, based on the physics of earthquakes and tsunamis, was considered preliminary because geologists had not yet fully characterized the earthquake, Ward said.

"The tsunami model depends on earthquake parameters, so as we learn more about the earthquake I will be able to refine it. But the essence of the phenomenon is captured in the animation," Ward said in January.

A magnitude 9.0 earthquake, the most powerful earthquake recorded in more than 40 years, struck underwater off the Indonesian island of Sumatra on December 26. The resulting tsunami caused devastation throughout South Asia, with the death toll estimated at more than 200,000.

According to Ward, the speed of a tsunami depends on the depth of the water, with waves traveling as fast as 400 miles per hour in the deep ocean.

When the waves come ashore, they are typically moving at about 30 miles per hour, he said, adding that tsunami waves are very different from the waves one

usually sees at the beach.

"It's like the ocean turns into a river and starts to flow onto the land. It's not a big crashing wave like in the Hollywood movies," Ward said.

In the aftermath of the disaster in South Asia, he was contacted by numerous media outlets, including the *Washington Post*, Dateline NBC, the *New York Daily News*, and *Newsweek* magazine.



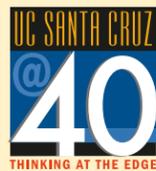
In Ward's simulation, the tsunami waves are shown approximately one hour and 42 minutes after the quake. The simulation may be viewed at: currents.ucsc.edu/04-05/01-03/tsunami.asp

Celebrating UCSC's 40th year

UCSC IS CELEBRATING its 40th anniversary in 2004-05 with a number of special events and a fundraising campaign that makes the support of undergraduate and graduate students a top priority.

For information about anniversary events, as well as the Cornerstone Campaign, please go to www.ucsc.edu

and select the logo, shown at right. See also pages 22-23.



UCSC has received a \$500,000 gift to benefit Special Collections in the University Library. The endowment is being established in honor of the late Miller and Bunny Outcalt and their lifelong partnership in the field of photography. Christine Bunting, head of Special Collections, displays an untitled photograph taken by Miller Outcalt. Proceeds from the endowment will be used to fund a permanent staff position dedicated to work on the extensive photography archives housed at UCSC.

First major study of organic farming in state yields surprises

THE FIRST comprehensive study of organic agriculture in California challenges the popular notion that organic farming is dominated by small family-owned farms and shows how the industry's regulatory structure has thwarted the very benefits that have generated strong public support for organic agriculture.

"Organic farming is seen as an answer to the crisis in our food system, but organic agriculture in California has evolved in some peculiar ways that effectively limit the number of acres

that are in organic cultivation," said Julie Guthman, an assistant professor of community studies and author of the new book, *Agrarian Dreams: The Paradox of Organic Farming in California*.

A proponent of many of the ideals associated with organic agriculture, Guthman nevertheless believes the fastest-growing segment of farming today warrants scrutiny. Her analysis included the following findings:

- Many growers switched to higher-value organic commodities to increase earnings.
- Much of the growth of organic agriculture has come from growers who switched from conventional farming and recruited others to join them.
- Many growers went organic out of fear that pesticides they used would be banned or create health risks for themselves or others.

"There were very compelling economic and regulatory reasons for conventional growers to enter into organics," said Guthman, who believes that the organic industry's reach was also limited by its decision to self-regulate.

Julie Guthman



Laser technique opens opportunities for nerve regeneration research

IN A BREAKTHROUGH for research on nerve regeneration, a team of UCSC and Stanford scientists has reported using femtosecond laser pulses to precisely cut individual axons of nerves in the roundworm *Caenorhabditis elegans*, one of the most versatile and widely used experimental organisms for genetic and biomedical research.

The nerves severed by this precision technique regrew within 24 hours, often with complete recovery of function. The project was a collaboration between biologists at UCSC led by Yishi Jin and Andrew Chisholm and applied physics researchers at Stanford led by Adela Ben-Yakar.

The team's findings give researchers an experimental system in which they will be able to investigate in great detail the genetic and molecular factors that



This nerve axon was cut using femtosecond laser nanosurgery.

control whether damaged nerves can regrow, said Chisholm, an associate professor of molecular, cell, and developmental biology.

"This technique will enable us to find the genes that are important in allowing an axon to regenerate. In the worm, we can do systematic screening of large numbers of genes, and of drugs and other small molecules as well, to ask how they affect the process of regeneration," Chisholm said.

The researchers reported their findings in a paper published in the December 16 issue of the journal *Nature*.

Revisiting Vietnam in the midst of Iraq

THE VIETNAM WAR was never mentioned at all during history major Martin Smith's high school days in Tennessee. But by doing research at UCSC on that conflict in the midst of media coverage of the Iraq war, he has discovered many similarities between the two wars.

Smith, who served in the Marine Corps from 1997 to 2002, is the winner of last year's Melkonian Prize for submitting the top proposal to UCSC's Humanities Undergraduate Research Awards program: "The Soldiers' Rebellion in

Vietnam: Race, Class, and Resistance."

"There has been resistance [among soldiers] to every war we have ever fought," he said. "But in Vietnam the resistance to fight was on a scale never before seen by the U.S. military."

Smith found that one reason why resistance in Vietnam was so much greater than in previous wars was the contradiction between what the U.S. government claimed was occurring in Vietnam and what the troops were actually encountering on the ground. He also uncovered the existence of hundreds of underground newspapers that were utilized to help build an anti-war GI movement.

UCSC scientist endorses nitrogen-management efforts

AS A SOIL SCIENTIST at UCSC, Marc Los Huertos helps farmers on the Central Coast manage nitrogen levels to maximize harvests and minimize pollution.

He is also part of a growing global effort to address the problem of farm-generated nitrogen pollution. Back from the Third International Nitrogen Conference in Nanjing in October, Los Huertos had a sobering message for farmers: “China is ramping up agricultural production, and strong international environmental regulations could be what saves U.S. farming from a formidable competitor,” said the research



Marc Los Huertos and CASFS colleagues monitor the Elkhorn Slough.

manager for UCSC’s Center for Agroecology & Sustainable Food Systems (CASFS).

Convinced that U.S. farmers have a huge stake in regulations that would force global competitors to clean up their act, too, Los Huertos is eager to increase public understanding of agricul-

ture-related nitrogen pollution.

In Nanjing, about 800 conference participants approved a declaration that urges the UN, among other things, to promote understanding of the nitrogen cycle, assess consequences of its disturbance, and provide policy advice.

U.S. Senate called ‘unrepresentative’

THE ELECTORAL COLLEGE isn’t the only outdated political system that should be overhauled, according to a UCSC political scientist who says the antiquated ways of the U.S. Senate contribute to congressional gridlock and thwart American democracy.

The gravest threat to fair representation is the mandate that each state elect two senators to the U.S. Senate regardless of population, a system that has created “perhaps the most unrepresentative legislative chamber in the world,” says Daniel Wirls, a professor of politics at UCSC and coauthor of the new book *The Invention of the United States Senate*.

Exploring the political meaning of words

DEMOCRACY, patriotism, family...these are words spoken with overwhelming fervor in the aftermath of 9/11, the invasion of Iraq, and the days that preceded the November presidential election.

But what do those words really mean? Apparently, different things, depending on your political affiliation.

Shock and Awe: War on Words explores the political meaning of words through essays, photographs, poems, and drawings by nearly 80 scholars, artists, and poets from UCSC and around the world.

Created by the campus’s Institute for Advanced Feminist Research (IAFR), the book is “an effort to reclaim language that’s been debased in the politics of the ‘war on terror,’” explained IAFR director Helene Moglen, who holds a UC Presidential Chair in Literature at UCSC.

Three receive top awards from Alumni Association

A GIFTED TEACHER of the Spanish language, a public defender who successfully argued a case before the U.S. Supreme Court, and a dedicated scholarship adviser received the Alumni Association’s highest honors for the 2004–05 year.

M. VICTORIA GONZÁLEZ PAGANI received the Distinguished Teaching Award; ROBERTO NÁJERA, the Alumni Achievement Award; and CHERYL PERAZZO, the Outstanding Staff Award. The three were honored at the association’s awards luncheon on campus in early February.



FROM LEFT: Victoria González Pagani, Roberto Nájera, and Cheryl Perazzo

Student evaluations of distinguished teacher González Pagani, a leader in the field of language teaching and technology, stress her “extraordinary commitment of time and energy” noted Gildas Hamel, chair of UCSC’s Language Program. Added one of her students, Lisa Peake: “She is so personally invested as a teacher that students cannot help but achieve for the sake

of making her proud.” Alumni recipient Nájera, who graduated in 1979 from Merrill College with a bachelor’s in sociology, is a Contra Costa County deputy public defender. As such, he was an unlikely choice to argue a case before the Supreme Court. But he believed that a California law retroactively extending the statute of limitations for child sexual abuse was unconstitu-

tional. The court agreed.

Staff member Cheryl Perazzo, scholarship coordinator for UCSC’s Office of Financial Aid, has been described as “a miracle worker” for her efforts to help students. “I know I will look back to my college years and see Cheryl Perazzo as my guiding light,” said Heather Hazen, a student who came to UCSC badly in need of financial assistance.

Dynes, legislators visit UCSC to dedicate engineering buildings

TOP UC OFFICIALS, including President Robert C. Dynes, joined state government representatives and leaders of Silicon Valley industry at UCSC in November to dedicate the campus’s new Engineering 2 Building and the Jack Baskin Engineering Auditorium.

Engineering Dean Steve Kang announced two major gifts to the engineering school at the dedication. Kumar Malavalli, a prominent leader in the data-storage industry, has made a \$1 million gift to establish the Kumar Malavalli Endowed Chair in Storage Systems Research (see story, page 23). Cisco Systems, a leading provider of network products and services, has donated equipment for teach-



In November, (l-r) State Senator Bruce McPherson and Assemblymember John Laird presented a resolution from the California State Legislature to Acting UCSC Chancellor Martin M. Chemers and UC President Robert C. Dynes, honoring the dedication of the engineering buildings.

ing and research valued at \$575,000. “With strong support from our partners, we are building 21st-century engineering,” Kang said.

Engineering 2 includes facilities for two California Institutes for Science and Innovation: the Institute for Quantitative Biomedical Research (QB3) and the Center for Information Technology Research in the Interest of Society (CITRIS).

These multicampus research centers are supported by state funding and industry partnerships to provide the technological foundation for the state’s future economic growth.

Participating in the dedication ceremonies was Jack Baskin, whose \$5 million gift established the Baskin School of Engineering. A subsequent \$1 million gift helped fund construction of the auditorium that also bears his name.

Engineers develop technologies to assist the blind

UCSC RESEARCHERS are developing new assistive technologies for the blind based on advances in computer vision that have emerged from research in robotics. A “virtual white cane” is one of several prototype tools for the visually impaired developed by Roberto Manduchi, an assistant professor of computer engineering, and his students.

The traditional white cane is still the most common mobility device for the blind. It is a simple and effective tool that enables users to extend their sense of touch and “preview” the area ahead of them as they walk. But the long, rigid cane is not well-suited to all situations or all users.

Manduchi’s high-tech alternative is a laser-based range-sensing device about

the size of a flashlight. A laser, much like the one in an ordinary laser pointer, is combined with a digital camera and a computer processor that analyzes and integrates spatial information as the user moves the device back and forth over a scene. The user receives feedback about the scene in the form of audio signals, and an additional tactile interface

is being developed for future prototypes.

“In the audio signal, the pitch corresponds to distance, and there are also special sounds to indicate features such as a curb, step, or drop-off,” Manduchi said.

Dan Yuan, a graduate student working with Manduchi on the virtual white cane project, built the initial prototype.

The Santa Cruz researchers are collaborating with the Smith-Kettlewell Eye Research Institute, a nonprofit research institute in San Francisco, on the virtual white cane and other projects.

“The people at Smith-Kettlewell are helping us to understand the real needs of the blind, and they have blind engineers who test the systems we develop,” Manduchi said.

The “virtual white cane” combines a laser, a camera, and a computer processor to give a blind person feedback about features such as stairs and curbs.



Antibiotic shows promise for fighting Parkinson’s disease

UCSC RESEARCHERS have shown that rifampicin, an antibiotic used to treat

leprosy and tuberculosis, can prevent the formation of protein fibrils associated with the death of brain cells in people with Parkinson’s disease. The drug also dissolved existing fibrils in lab tests.

The research was carried out by a team of scientists in the lab of Anthony Fink, professor of chemistry and biochemistry.



Jie Li, one of the project researchers in the UCSC lab, is the first author of a paper describing the team’s results. The paper was published in the November issue of the journal *Chemistry and Biology*.

Two UCSC scientists elected AAAS fellows

TWO UCSC SCIENTISTS—Anthony Fink, professor of chemistry and biochemistry, and Russell Flegal, professor of environmental toxicology—were among the 2004 fellows of the American Association for the Advancement of Science (AAAS) announced by the association.

Election as a fellow is an honor bestowed upon members of AAAS by their peers.

The association recognized 308 members as 2004 fellows for their efforts to advance science or its applications that are deemed scientifically or socially distinguished.

An acknowledgement ceremony for the new fellows took place during the 2005 AAAS Annual Meeting in Washington, D.C., in mid-February.

Scientists harness new supercomputer at NASA Ames

ASTROPHYSICISTS and cosmologists at UCSC are among the first scientists to have access to the powerful new Columbia supercomputer at the NASA Ames Research Center. The UCSC scientists have been using the new system's unprecedented computing power to run simulations of complex phenomena such as supernova explosions, gamma-ray bursts, and dark matter halos.

NASA featured the work of UCSC researchers in demonstrations and presentations

Students collaborate with museum to create gallery exhibit

THE BIG AND BOLD exhibit, on display this past fall at the Santa Cruz Museum of Art and History, is a prime example of the benefit derived from combining university research with an important cultural institution in the community. The exhibit featured an array of large and oversized graphic art from premier American artists such as Roy Lichtenstein, Robert Rauschenberg, and Helen Frankenthaler.

Working closely with the museum, 12 students from UCSC art history professor Catherine Soussloff's *History and Visual Culture* class researched large-scale prints by prominent American artists from 1970 to the present. They

held collaborative discussions, interviewed living artists, and visited the presses that produced the prints—in addition to conducting extensive archival, library, and web-based investigations. Based on this research, the students then produced original



Catherine Soussloff, with a James Rosenquist print

wall-label descriptions and interpretations for each of the prints displayed to help educate the public about the exhibition.

"It's very unusual for students to work directly with such well-known artists at a museum," noted Soussloff.

in November at SC2004, the premier international conference on high-performance comput-



Astrophysicist Stan Woosley, heading up one of the UCSC groups using the supercomputer, is running simulations of a "burning floating bubble," representing a small piece of an exploding supernova.

ing, networking, and storage.

The Columbia supercomputer, named to honor the crew of the space shuttle *Columbia* lost in 2003, has achieved a

sustained performance of 51.9 trillion operations per second, or teraflops, making it one of the world's fastest supercomputers.

Jim Taft of NASA's Advanced Supercomputing Division said access to Columbia was determined by a review committee that established a list of prioritized activities. "The UCSC work was at the top of the

list, so we were authorized to give early access to a number of UCSC projects. These guys have been burning up the cycles ever since," Taft said.

Unusual structure in the SARS virus offers target for drugs

RESearch on the genome of the virus that causes severe acute respiratory syndrome (SARS) has revealed an unusual molecular structure that looks like a promising target for antiviral drugs.

A team of scientists at UCSC has determined the three-dimensional shape of this structure, an intricately twisted and folded segment of RNA. Their findings suggest that it may help the virus hijack the protein-building machinery of infected cells.

The SARS virus is a type of RNA virus, meaning that its genetic material is RNA rather than the more familiar DNA found in the chromosomes of everything from bacteria to humans. All RNA viruses have relatively high mutation rates, making their genomes highly variable. In HIV, for example, this high rate of mutation contributes to the rapid appearance of drug-resistant strains of the virus. In SARS and related viruses, however, one segment of the RNA genome—known as the s2m RNA—remains virtually unchanged.

"Because viral evolution has not been able to tamper with this sequence, it is clear that it must be of vital importance to the viruses that have it, but no one knows exactly what its function is," said William Scott, an associate professor of chemistry and biochemistry.

Scott's lab used x-ray crystallography to map the structure of this RNA element with nearly atomic resolution. The results showed several unique features of the s2m RNA, including a distinctive fold that appears to be capable of binding to certain proteins involved in regulating protein synthesis in cells.



Two UCSC education faculty members, Judit Moschkovich (left) and Julia Aguirre, are participating in a multicampus collaboration addressing the mathematics needs of Latino students in kindergarten through eighth grade. The new Center for the Mathematics Education of Latinos/as will examine math learning and teaching in school, family, and community settings. The goal is to discover new ways to teach Latino students mathematics by building on the cultural and linguistic diversity they bring to the classroom.

Scientists closer to reconstructing genome of common ancestor

CONTRARY to the movie *Jurassic Park*, in which scientists recreate dinosaurs from ancient DNA, genetic material more than about 50 thousand years old cannot be reliably recovered. Nevertheless, a team of scientists has now demonstrated that computers could be used to reconstruct with 98 percent accuracy the DNA of a creature that lived at the time of the dinosaurs more than 75 million years ago—a small, furry nocturnal animal that was the common ancestor

of most placental mammals, including humans.

Knowing this ancestral mammal's complete genome would not mean that scientists could bring it to life.

But that's not the point, said a member of the team, David Haussler, UCSC professor of biomolecular engineering. "We will be able to trace the molecular evolution of our genome over the past 75 million years. It's a very exciting new way to think about our origins, a kind of DNA-based archaeology to understand how we came to be," said Haussler, a Howard Hughes Medical Institute investigator and director of UCSC's Center for Biomolecular Science and Engineering.



The common ancestor of placental mammals probably looked like *Eomaia scansoria*, the earliest known placental mammal, shown here in an artist's reconstruction based on a 125-million-year-old fossil skeleton found in China in 2002. Researchers now say they can reconstruct the DNA of the common ancestor of placental mammals with 98 percent accuracy.

Annual alumni panel will take place at spring fair April 16

AN ACCLAIMED museum curator, a prize-winning journalist, a tech entrepreneur, and a wildlife photographer are among the graduates of UCSC's Class of '75 who will participate in a panel discussion on campus on April 16 during the Banana Slug Spring Fair reunion weekend.

The four graduates, who will discuss the relationship between their UCSC education and current careers, are as follows:

• **PHILIP BROOKMAN** (Porter '75, B.A. 20th-century art history and fine arts), who is senior curator of photography and media arts at the Corcoran Gallery of Art.

• **LAURIE GARRETT** (Merrill '75, B.A. biology), a science and health writer. A Gates Senior Fellow at the Council on Foreign Relations, Garrett is the only person to be awarded all three of the major prizes in journalism: the Peabody, the Polk (twice), and the Pulitzer (for which she has also been a finalist three times).

• **CAROL REALINI** (Oakes '75, B.A. mathematics), a veteran of three decades in technology, and one of the industry's most accomplished entrepreneurs. Peppers and Rogers One-To-One Marketing Group named Realini as a "One-To-One Pioneer," and McGraw-Hill recognized her with the prestigious listing in the "Top 100 Women in Computing."



• **GORDON WILTSIE** (Kresge '75, B.A. individual major and literature/creative writing), whose photography appears regularly in leading magazines such as *National Geographic*, *Outside*, and *Ski*. After more than 25 years leading and photographing expeditions to the Earth's wildest corners, Wiltzie has achieved international acclaim for his visual artistry.

The panel takes place on Saturday, April 16, at 10:30 A.M., in the University Center's Bhojwani Dining Room. For more information on the panel discussion and other Banana Slug Spring Fair reunion events, see page 24 or go to: alumni.ucsc.edu.

UCSC astronomer receives Lawrence Award in Physics

THE U.S. DEPARTMENT of Energy awarded the 2004 E. O. Lawrence Award in Physics to Claire Max, a professor of astronomy and astrophysics at UCSC.

Max, who is deputy director of the Center for Adaptive Optics at UCSC and holds a joint appointment at the Lawrence Livermore National Laboratory, received the award for her contributions to the theory of laser guide star adaptive optics and its application in ground-based astronomy. Adaptive optics sharpens the vision of telescopes by correcting for the blurring effects of the atmosphere.

The E. O. Lawrence Award is given in seven categories to honor scientists and engineers for exceptional contributions in the field of atomic energy.





PHOTO: MICHAEL BUR

Denice D. Denton, the ninth chancellor to lead UC Santa Cruz, was appointed by the UC Regents in December and officially assumed the position on February 14. On the eve of her first official day as chancellor, Denton took a few minutes from a very full schedule to contemplate the future. As she stresses in the following interview, she is eager to pursue opportunities that will benefit students, support the work of staff and faculty, and foster productive connections with alumni, donors, corporate partners, and others.

Introducing Chancellor Denton

What have you learned about UC Santa Cruz since your appointment as chancellor?

IN A GLOBAL SOCIETY, universities have new obligations to seek, understand, and celebrate diversity—not only diversity in people, but the intellectual diversity and creativity that can be found at the edges of inquiry. I have learned that this interdisciplinary approach to creativity is a cornerstone of UC Santa Cruz's history and remains an integral element of its current aspirations. This appreciation for intellectual diversity provides a strategic advantage for our campus—one that I believe will continue to distinguish UC Santa Cruz as one of the world's most innovative universities.

I have also observed that UCSC's students and faculty are committed to making positive contributions to society, regardless of their discipline. And this fire burns brightly among our alumni, who clearly carry forward a tradition of making a difference in the world. Already, I have seen examples of this desire to tackle critical issues in the work of the Center for Justice, Tolerance, and Community; the Institute for Advanced Feminist Research; the Center for Ocean Health; the Institute for Humanities Research; and the Center for Adaptive Optics, to name just a few. In fact, I have not yet discovered an area of inquiry at UCSC that doesn't strive to create knowledge that will advance our society. At UCSC, for example, we are home to a health sciences major

that requires Spanish-language study, engineering research that is helping the blind to "see," and an international economics program whose scholars are guiding governmental policy around the globe.

UCSC is much smaller than your former institution, the University of Washington. Does that concern you?

SIZE IS NOT AS IMPORTANT as creativity and innovation, both of which abound at UC Santa Cruz. UCSC is smaller and younger than other leading universities, but this makes it more agile and adaptive, allowing nimble responses to change and new opportunities. Another key to UCSC's leadership in the 21st century will be our ability to develop new and productive partnerships. The problems we face as a society are too large for one discipline or even one institution to tackle alone. I am convinced that bringing together a variety of strengths and perspectives is the only way to address society's crucial challenges. Many UCSC scholars are doing just that. With students, staff, and faculty, I will build on the collaborations already begun and develop new ones.

How does the current climate of limited budgets affect your vision for UC Santa Cruz?

WHEN I STARTED AS DEAN of engineering at the University of Washington, budgets also were lean and state budget cuts were frequent.

Even so, we doubled our resources over a period of a few years. That experience underscored my belief that an entrepreneurial spirit along with productive partnerships can lead to new sources of funds and more effective ways to use the resources at hand. UC Santa Cruz is emerging from a period of significant budget reductions. Still, I see opportunity to recover and expand resources, whether from private philanthropy or increased state and federal funding. For example, a reputation for excellent teaching and research has led to fundraising success in the current Cornerstone Campaign. I intend for UCSC to build on that unprecedented success.

What led you to accept the position of chancellor at UC Santa Cruz?

UCSC IS CLEARLY GOING PLACES. The campus has a well-deserved reputation for—and a passionate commitment to—diversity, excellence, and innovation. As the new chancellor, I welcome the chance to support the education of some of the country's most talented students and to help sustain and inspire the work of distinguished faculty and outstanding staff. I will dedicate myself as an ambassador and ardent advocate in both national and international circles to increase recognition of UCSC's achievements. On a personal note, this position has given me the wonderful opportunity to live in a community that is renowned for its natural beauty and progressive attitudes.

A Record of Achievement

From 1996 until her UC appointment, Chancellor Denton was Dean of the College of Engineering and Professor of Electrical Engineering at the University of Washington (UW), the first woman to hold such a position at an NRC-designated Research One university. Previously, she held academic appointments at the University of Massachusetts in Boston, the Swiss Federal Institute of Technology in Zürich, and the University of Wisconsin-Madison.

Chancellor Denton has an international reputation for effective advocacy supporting access to science, math, and engineering opportunities for women and minorities. In May 2004, Denton was among nine scholars honored by the White House with a Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring, recognizing her role as a leader in enhancing diversity in science and engineering.

Chancellor Denton is a current member of the President's Committee to select recipients of the National Medal of Science, and she also serves on the committee to select recipients of the A. T. Waterman Award sponsored by the National Science Foundation to honor exceptional individual achievement in science or engineering. She is a fellow of the American Association for the Advancement of Science, the Association for Women in Science, and the Institute of Electrical and Electronics Engineers and serves on several prestigious commissions and boards.

The author of nearly 100 scholarly journal articles, book chapters, and conference papers, Denton earned a Ph.D. in Electrical Engineering at the Massachusetts Institute of Technology, where she earned three other degrees, including a Bachelor of Science degree in Electrical Engineering, the Electrical Engineering degree, and a Master of Science in Electrical Engineering. Her research is in microelectromechanical systems (MEMS) as an enabling technology, particularly in life sciences applications. She also works in the arena of transformational change in higher education and holds a UCSC appointment as Professor of Electrical Engineering.

40 Years ...and Counting

Four decades
of UCSC grads
are making their
mark on the world

TO CELEBRATE this anniversary year, UC Santa Cruz's 40th, we decided to tell the stories of a half-dozen UCSC alumni who have never been profiled in the pages of this publication. We also couldn't resist recalling some of the many outstanding graduates we have featured in the past. The impressive accomplishments of our alumni say more about UC Santa Cruz than we ever could.



R. R. JONES

Julie Packard

Executive Director, Monterey Bay Aquarium

B.A. Biology, Crown College, 1974; M.A. Biology, 1978

THE MONTEREY BAY AQUARIUM, which Julie Packard helped found and has led as executive director since it opened 20 years ago, is among the world's most popular attractions. A recent national survey ranked it the best aquarium and one of the top family destinations of any kind, ahead of Disneyland and the San Diego Zoo.

But the aquarium is not just about family fun and entertainment—it aims to educate and inspire people to care about the oceans and help protect them. And with nearly 2 million visitors a year, the aquarium reaches a lot of people.

“We provide an opportunity for people to connect with ocean wildlife and establish a sense of caring for it,” says Packard, an eloquent and passionate advocate of ocean conservation.

In 1998, Packard was awarded the Audubon Medal for Excellence in Environmental Protection, and in 2004 she received the Ted Danson Ocean Hero Award from the conservation group Oceana. She also served on the Pew Oceans Commission, which issued an influential report on ocean policy in 2003.

The Pew Oceans Commission, in parallel with the U.S. Commission on Ocean Policy, undertook the first comprehensive review of national ocean policy in 30 years. These two independent efforts reached essentially the same conclusions: “Our oceans are in trouble, and the federal regulations we have now are not working to protect marine ecosystems,” Packard says.

Packard's interest in science and nature started early. Her father, David Packard, cofounder of the Hewlett-Packard Company, was both a scientist and an avid outdoorsman. “I grew up with a

very strong sense of connection to the environment,” Packard says.

Her passion for marine science, in particular, was kindled by a class in intertidal biology she took in her sophomore year at UC Santa Cruz. The class brought students out to the tidepools and introduced them to field research; it also introduced Packard to biologist William Doyle, founding director of UCSC's Institute of Marine Sciences. She conducted research with Doyle both as an undergraduate and as a graduate student at UCSC, studying the ecology of marine algae.

Packard has made sure that the aquarium's programs and exhibits are always firmly grounded in science. In addition, as concern about human impacts on the marine environment has escalated, the aquarium's mission has evolved to become more explicitly focused on ocean conservation and advocacy.

Packard says she has been pleased to see marine scientists at UCSC and other institutions focusing more of their research on questions that relate to conservation issues. “Many UCSC scientists are working at the forefront of where I believe science needs to go, which is interdisciplinary approaches that are linked to real-world environmental problems,” she says.

She also says that getting undergraduates involved in research is essential for training the next generation of environmental scientists.

“There's just no match for that kind of experience to get students engaged with the subject matter and fired up about exploring the natural world,” Packard says. “The opportunity for undergraduate research and the focus on undergraduate education is a real strength of UCSC.”

—TIM STEPHENS



Since receiving an Academy Award for his work editing the blockbuster film *Traffic* in 2000, **Steve Mirrione** (theater arts—film, '91) has had no shortage of work. His credits since his Oscar include *Ocean's Twelve* and *Criminal* (2004); *21 Grams* (2003); *Confessions of a Dangerous Mind* (2002); and *Ocean's Eleven*, *Tribute*, and *Thirteen Conversations About One Thing* (2001).



COURTESY CITY OF SAN JOSE

As mayor of San Jose, **Ron Gonzales** (B.A., community studies, '73) grapples with reshaping city government to promote teamwork and efficiency, stoking the economic engine that powers San Jose, balancing economic and environmental concerns, and supporting the schools that educate tomorrow's workforce. Before becoming mayor in 1999, Gonzales served on the Santa Clara County Board of Supervisors.



SHOCKY PFLUGER

When **Geoffrey Marcy** was 14, he watched Neil Armstrong's historic walk on the Moon. In 1996, Marcy (M.S., astronomy, '78; Ph.D., astronomy and astrophysics, '82) took his own leap for mankind when he and a fellow astronomer discovered two distant planets located between 40 and 70 light-years from Earth. The planets were only the second and third to be discovered outside our solar system.



R. R. JONES

A UC Berkeley bioengineer, **Kimmen Sjölander** (B.A., computer and information sciences, '93; Ph.D., computer science, '97) has made key contributions to the arsenal of computational tools available for protein analysis. Her software programs are sorting out the evolutionary relationships among proteins, allowing scientists to infer the structure and function of newly discovered proteins.



FRED CONRAD/NEW YORK TIMES

Katy Roberts

Editor, *New York Times* "Week in Review"

B.A. Politics, Kresge College, 1974

FROM PUNDITS TO PRESIDENTS, regular readers of the *New York Times* rely on the paper's Sunday "Week in Review" section to tell them what they need to know.

One of the most influential publications in journalism, the section provides context for the week's top stories, combining insight and analysis with fine writing on topics from politics and religion to science and the symphony.

In short, section editor Katy Roberts shoulders the burden of sifting through mountains of news and information so we don't have to. "Keeping up with the news used to be relatively easy. Now it's impossible," Roberts says with typical candor. "Accepting that is the only way to survive."

Roberts' self-effacing manner belies her achievements: During more than 20 years at the *Times*, she has held several positions, including a two-year stint as national editor and five years as editor of the op-ed page. She believes her greatest impact was on the op-ed page, where she brought in voices "outside the Eastern Establishment" and sped up the page's responsiveness to events.

"I'm not a producer of ideas, but an enthusiastic consumer of them," says Roberts. "I learned to question conventional wisdom and authority, wherever it was vested."

After graduating from UCSC, Roberts earned a master's degree in journalism and Russian area studies from Indiana University. Although she says she got "abysmal grades" in her journalism classes, Roberts picked up some reporting experience and landed a job at the *Hayward (CA) Daily Review* in 1977. By 1979, she had

moved to the *Minneapolis Star*, where she was a columnist and deputy opinion-page editor. Three years later, she was recruited by the *Times*.

In a field where learning never stops, Roberts says her liberal arts background has been an asset. She has had to become an expert in space shuttle technology, New York City taxis, Nicaraguan dynasties, immigrant health care, and forest fire policy, among other topics.

"I did my undergraduate work at Santa Cruz, and my graduate work at the 'Week in Review,'" says Roberts. "It's a continuing education."

Roberts lives in Manhattan with her husband and has been known to watch surfing documentaries when she's not reading the *Atlantic Monthly*, the *New York Review of Books*, or the *New Yorker*.

Asked about her worst day in journalism, Roberts describes the morning of September 11, 2001, when, as national editor, she got a call at home from the office. Stepping outside her Greenwich Village apartment, she saw one tower, then another, on fire. Heading to the office on foot, she kept looking over her shoulder as the tragedy unfolded.

Inside the newsroom, however, the scene was "awe-inspiring as the paper's staff went to work." Sixteen hours later, she and a reporter trooped to the only subway that was running. They stood alone on the dead-quiet platform, waiting for the downtown train.

"The paper is criticized from every quarter, and sometimes we make mistakes," says Roberts. "But you'd be hard-pressed to find a more honest, dedicated, thoughtful group of people on earth."

—JENNIFER McNULTY



COURTESY JOHN DOOLITTLE

U.S. Representative **John Doolittle** was unanimously reelected by his Republican colleagues to a second two-year term as House Republican Conference Secretary for the 109th Congress, a position he held the two prior years. The position is the sixth-highest-ranking elected post in the House leadership. Doolittle (B.A., history, '72) represents northern California's 4th Congressional District.



DAVID HOCKNEY

For the past two decades, *New Yorker* staff writer **Lawrence Weschler** (B.A., philosophy and Western civilization, '74) has written about unexpected relationships among art, culture, war, and peace. His latest book, *Vermeer in Bosnia*, is a collection of 22 stories written for the magazine and other publications. **William Finnegan** (B.A., literature, '74), also an award-winning *New Yorker* staffer, has filed stories from around the world.



NEC/MARY ELLEN MATTHEWS

As a five-year-old, **Maya Rudolph** wowed her L.A. family with impersonations of Roseanne Roseannadanna—one of Gilda Radner's signature characters on *Saturday Night Live*. Now she is living her childhood dream as a cast member on the show. Rudolph (B.A., art-photography, '95) has treated viewers to an eclectic mix of characters—from buttoned-down presidential adviser Condoleezza Rice to over-the-top fashion designer Donatella Versace.



REX ROSTEDT

Since **Jayne Ann Krentz** began writing romance novels in 1980, she's published dozens of books under her own name and her most popular pseudonyms, Amanda Quick and Jayne Castle. Krentz (B.A., history, '70), whose novels have made the *New York Times* Best-seller List some 40 times, also authored an award-winning critical work about her genre, *Dangerous Men and Adventurous Women: Romance Writers on the Appeal of the Romance*.



JOSE A. GRANADOS

Francisco Rosado-May

President, University of Quintana Roo at Chetumal, Mexico

Ph.D. Biology, 1991

FRANCISCO ROSADO-MAY's path to the presidency of a public university in Mexico began in the rural village of Felipe Carrillo Puerto, where he and other eager Mayan youngsters gathered in a hallway to take classes. "I vividly remember the end of my first year, when my teacher called me to her house and gave me a big can of cocoa—my first cocoa ever—for having very good grades," recalls Rosado-May.

Teachers continued to encourage Rosado-May, who earned government fellowships to attend high school and to study agricultural engineering in Tabasco, Mexico. That's where he first met his mentor, Stephen Gliessman, a pioneer in the field of agroecology.

For Rosado-May, the affiliation with Gliessman was life changing. After earning a master's in tropical ecology, Rosado-May followed his mentor to UCSC in 1985 for doctoral study. At UCSC, he also worked closely with biology professor Jean Langenheim (see page 23), a leader in the field of chemical ecology. Building on Gliessman and Langenheim's work, Rosado-May focused on the role of weeds in the management of agroecosystems. "In Tabasco, farmers believe that once you learn how to manage weeds properly, they become your allies, not your enemies," said Rosado-May.

While at UCSC, Rosado-May embraced his ancestry. As a Maya in Mexico, he has frequently felt the sting of discrimination. "I grew up in the days when the federal government was trying to homogenize the country," recalls Rosado-May. "Getting to know other UCSC students who were proud of their origins, especially Native Americans, was eye-opening for me. Now I take pride in my ancestry, but before going to California, I could hardly talk about it."

While completing his doctorate, Rosado-May joined the team that was planning the campus for his native state of Quintana Roo—the only Mexican state without a university. "The challenge was to create a model that would respond to the needs of a rapidly changing world," says Rosado-May.

Founded in 1991, the University of Quintana Roo (UQRoo) in Chetumal emphasizes teaching excellence and research that addresses real-world problems. As a founding faculty member, Rosado-May shifted his own focus from chemical ecology to applied ecology. Tourism has placed tremendous pressures on the natural resources of Quintana Roo, and Rosado-May's work fueled environmental planning changes, including zoning reforms and the adoption of management plans for protected areas.

As president, Rosado-May has aggressively sought accreditation for the young campus's programs, and his administration has adopted "transparent" accountability practices and expanded funding sources to reduce reliance on government subsidies.

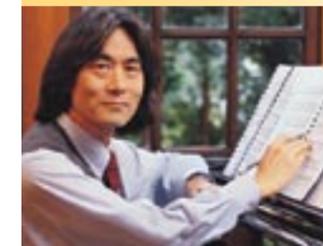
Rosado-May's pride in his Mayan heritage is accompanied by high expectations—for himself and his community. Halfway through his first four-year term as president of UQRoo, he is promoting programs that integrate ancient Mayan knowledge into the fields of science, technology, and the arts. "Can you imagine a botanist with a Ph.D. and a shaman who cures disease with local plants standing side by side?" he asks. "The synergy between conventional education and traditional knowledge might represent the best potential Mexico has to face the challenges of globalization."

—JENNIFER McNULTY



PAUL SCHRAUB

Jim Kent, a research scientist with UCSC's Center for Biomolecular Science and Engineering, wrote the software program used to assemble fragmented sequence data from the Human Genome Project into intact DNA sequences representing the human chromosomes. Kent (B.A., mathematics, '81; M.A., mathematics, '86; Ph.D., biology, '02) also developed the extremely popular UCSC Genome Browser, which provides a web-based portal for scientific exploration of the human genome sequence.



R. R. JONES

In 1984, with its conductor on emergency leave, the Boston Symphony turned to **Kent Nagano**, who stepped in without rehearsal to lead the orchestra through two widely praised performances. Today, Nagano (B.A., music and sociology, '74) is one of the world's most sought-after conductors and, with Plácido Domingo, leads the Los Angeles Opera.



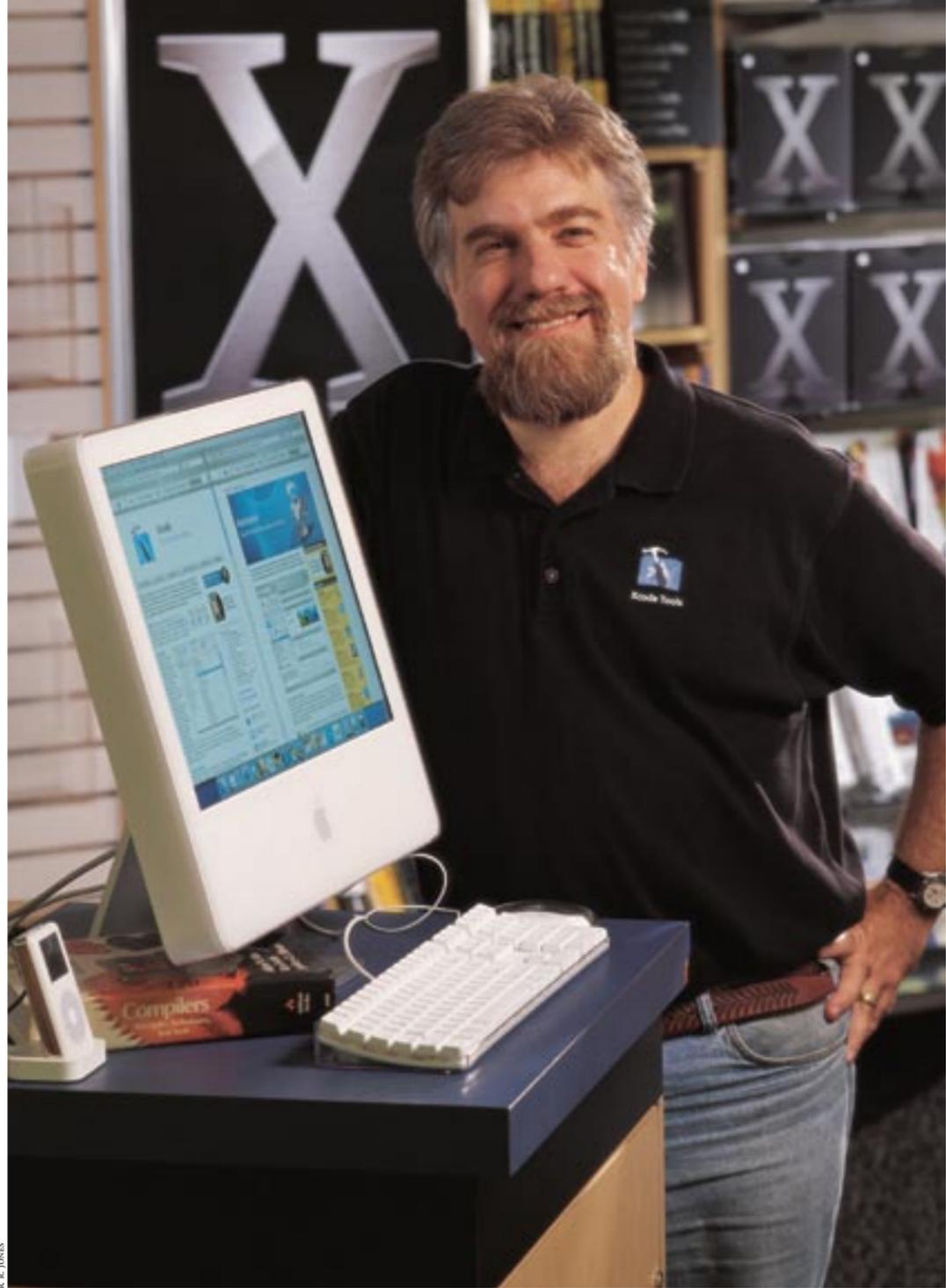
JAMES SORENSON

As a child, **Camryn Manheim** practiced for her future fame by accepting awards in front of the bathroom mirror and conducting bathtub interviews with the likes of Johnny Carson, Merv Griffin, and Dinah Shore. In 1998, the bathroom rehearsals paid off, as Manheim (B.A., theater arts, '84) accepted both an Emmy and a Golden Globe award for her role as an attorney on ABC's courtroom drama *The Practice*.



NEIL MICHEL/ANSDM

For **Joe Palca** (Ph.D., psychology, '82), science journalism has a lot in common with teaching: It's a chance to share his fascination and delight with science. A science correspondent at National Public Radio since 1992, Palca has covered a wide range of stories—from biomedical research to the *Pathfinder* landing on Mars. Also at NPR is another award-winning science reporter, **Richard Harris** (B.A., biology, '80).



B. B. JONES

Ted Goldstein

Vice President of Development Technologies, Apple Computer
B.A. Computer and Information Sciences, Stevenson and Oakes Colleges, 1983

TED GOLDSTEIN has built a successful career in the computer industry by combining expertise in programming with an appreciation for the human side of technological innovation. Now a vice president at Apple Computer, Goldstein oversees the development of programming tools for Apple's highly acclaimed new operating system, Mac OS X.

In his work, Goldstein says he draws on the entire breadth of his undergraduate education at UC Santa Cruz. When asked about influential teachers, he mentions not only computer science professor Ira Pohl, but also Murray Baumgarten, professor of English and comparative literature.

"Having a liberal arts degree is terrific. I find that so much of what we do is not just about technology, but about technology in the context of people and society," he says. "The Stevenson core course is as important in what I do as *Data Structures 101*, because it's all about people."

The programming tools Goldstein develops at Apple are used by software developers to create applications for OS X. Just as OS X is designed to be a friendly, trouble-free system for ordinary users, the developer tools are designed to make writing software for OS X easy and efficient.

"We try to design things that are good for developers as well as end users," Goldstein says. "Everywhere I go, I meet people who love Apple products—it's a very gratifying part of the job."

Although Goldstein graduated from UCSC long before the Jack Baskin School of Engineering was established, he received specialized training in one of the core areas of computer science—programming languages—that helped give the campus a solid foundation on which to build its engineering school.

"When I came out of UCSC with an undergraduate degree, my training in the area of programming languages and tools was as good as or better than that of many students with graduate degrees from well-known schools," Goldstein says.

Starting out as a consultant working for a variety of start-up companies, he ended up at the legendary Xerox Palo Alto Research Center (Xerox PARC), birthplace of such concepts as the mouse, laser printers, and the graphical user interface. When Xerox PARC spun off ParcPlace Systems to commercialize its highly influential programming language, called Smalltalk, Goldstein went along as a member of the ParcPlace management team.

From ParcPlace, he went to Sun Microsystems, where he spearheaded the development of Java Card, the leading platform for "smart cards." More than 750 million smart cards are now used for banking, cell phones, and other purposes throughout Europe, Asia, and increasingly in the United States.

Goldstein says he first got a sense of what computer programming can do for people while working as an undergraduate in UCSC's first computer center. Noticing a group of biology graduate students using a text editor to do painstaking genetic comparisons, he offered to write a program that would automate much of the work for them.

"It was a wonderful experience to work with the users and design a specialized tool to meet their needs," he says.

The resulting software, used by UCSC biologists for many years, was probably the first genetic sequence alignment editor, a precursor of the powerful bioinformatics programs for which UCSC has since become famous.

—TIM STEPHENS

40 Years ...and Counting



COURTESY OF BRUCE AIDELLS

When **Bruce Aidells** (Ph.D., biology, '74) was a graduate student at UCSC in the early 1970s, he was already known for his cooking, having helped launch one of the campus's first restaurants. But after receiving his doctorate, he founded the Aidells Sausage Co. First sold mainly in gourmet markets, the sausages can now be found everywhere.



NASA

Kathryn Sullivan made two historic trips to space during her years as a NASA astronaut. During her first voyage, in 1984, she became the first American woman to walk in space. During the second, six years later, Sullivan (B.S., Earth sciences, '73) joined fellow UCSC grad **Steven Hawley** (Ph.D., astronomy and astrophysics, '77) on the mission that deployed the Hubble Space Telescope.



GARY FRIEDMAN/LOS ANGELES TIMES

The Museum of Contemporary Art in Los Angeles draws thousands of visitors each day for exhibitions and public programming. Director of MOCA since 1999, **Jeremy Strick** (B.A., art history, '77) is involved in every aspect of the museum's operation—from acquisitions and event programming to fundraising and marketing. He even curates on occasion.



RACHEL SALZMAN

Following years as the *Washington Post's* Pentagon correspondent, **Dana Priest** (B.A., politics, '81) spent eight months as an investigative reporter for a series about America's regional military commanders. The series earned her the Gerald R. Ford Prize for Distinguished Reporting on the National Defense in 2001. Priest's first book, *The Mission: Waging War and Keeping Peace with America's Military*, was published in 2003 on the eve of the Iraq war.



PAUL JOHNSON/HICKS

Cheryl Scott

Country Director, Centers for Disease Control and Prevention, Tanzania

B.A. Biology, Oakes College, 1974

TOURISTS COME from around the world to witness the wonders of Serengeti National Park in Tanzania, but Dr. Cheryl Scott has never been able to slip off with friends or family to see the wildebeests and cheetahs herself. Her job running the Centers for Disease Control and Prevention (CDC) office in the East African nation of about 34 million people—where an estimated 10 percent of the population has HIV—leaves little time for sightseeing.

Since the Global AIDS Program Office was founded in 2001 with a small staff at the invitation of the Tanzanian government, the CDC's contribution to the fight against HIV/AIDS in that country has grown "exponentially," Scott says. Under her leadership, CDC-Tanzania has supported improving blood-transfusion safety, strengthening laboratory services, developing a national HIV/AIDS surveillance system, and preventing mother-to-child HIV transmission. With recent funding from President Bush's Emergency Plan for AIDS Relief, her office now manages a \$17 million budget.

Working closely with the Tanzanian government, the CDC and other U.S. government partners are providing technical support to the rollout of a national antiretroviral drug therapy program—which can turn HIV into a manageable condition instead of a death sentence. Over the next five years, the government plans to put 400,000 people on the drugs in a nation where roads are frequently impassable and communications are sporadic.

"Tanzania is a large and populous country, and care and treatment present tremendous logistical challenges," Scott says. Developing a reliable laboratory system, planning large-scale counseling and testing, and training practi-

tioners to work with clients on often-complicated drug regimens are just a few of the challenges she and her staff regularly face.

The introduction of antiretroviral drugs will complement an effort begun in 2003 providing life-saving medicines for expectant mothers. The single-dose treatment can cut infection rates of newborns by up to 80 percent.

Battling HIV/AIDS in Tanzania is the latest step in an international career that has taken Scott to the Ivory Coast, Kenya, India, and the Caribbean. An investigator in the elite Epidemic Intelligence Service at the CDC, Scott has also worked in maternal and child health and disaster epidemiology in California, New York, and New Jersey, where she was the state's maternal and child health epidemiologist.

In Africa, Scott's challenges are not all medical. Her job also has a diplomatic side, involving frequent consultation with the U.S. embassy and the Tanzanian government. While mobilizing the host government's support for the fight against HIV/AIDS in several countries has been politically difficult, "it is a privilege to partner with the Tanzanian government," she says. "They are very clear about their situation and what assistance is needed."

Despite the long hours and travel schedule that takes her around the continent, Scott enjoys her time in Tanzania. Her public health physician husband, Stephen S. Robinson, works with the National Institute for Medical Research, and their 9-year-old daughter, Ajayi Omiseye, attends a local elementary school. "She gets a lot out of being here," Scott said, noting that her husband and daughter have become more fluent in Kiswahili than she has. "It's a rewarding life."

—LOUISE GILMORE DONAHUE

40 Years ...and Counting



COURTESY BUCKNELL UNIVERSITY

Because he enjoyed teaching and research, **William "Bro" Adams** (Ph.D., history of consciousness, '82) made the transition from academic to administrator with some reluctance. However, in 1995 Adams became the 14th president of Bucknell University and, five years later, was named the 19th president of Colby College. Fellow campus president **Alexander Gonzalez** (M.S., Ph.D., psychology, '79), headed California State University, San Marcos, before taking the helm of CSU Sacramento in 2004.



COURTESY BRENT CONSTANTZ

In 1985, **Brent Constantz** was on a South Pacific atoll near Tahiti, working toward his doctorate on how corals make their skeletons. Ten years later, Constantz (M.S., Earth sciences, '84; Ph.D., Earth sciences, '86) headed Norian Corporation, a company that made waves for a remarkable product: a paste that can be injected into and around a fracture, dramatically speeding the healing of broken bones.



BILL LOWERY

John Laird has represented California's 27th assembly district since 2002. Prior to serving a district that includes parts of Santa Cruz, Monterey, and Santa Clara Counties, he completed two terms on the Santa Cruz City Council, where he was elected to two one-year terms as mayor. This past December, Laird (B.A., politics, '72) was appointed chair of the Assembly Budget Committee.



JOHN PATRICK SALIBURY

Gillian Welch (B.A., art, '90) had a minor screen part in the 2000 movie *O Brother, Where Art Thou?* But she had a major role in the film's haunting soundtrack, performing and serving as the movie's associate music producer. Welch's unique sound, a blending of various musical influences, especially bluegrass and traditional country music, helped propel the soundtrack to the top of the country charts.



ROBIN LANGRISH

Wayne Horvitz

Composer/Musician

B.A. Composition for New Music Improvisation, Porter College, 1977

COMPOSER, PIANIST, and keyboardist Wayne Horvitz has performed on more than 100 albums and CDs over the past 25 years. He has written for theater, dance, and film, and collaborated on a mind-boggling variety of musical projects—in styles ranging from rhythm & blues and improvisational jazz, to classical minimalism and urban noise.

Since he graduated from UCSC in 1977, Horvitz has gone on to perform extensively throughout North America, Europe, Asia, and Australia. National Public Radio recently described his music as “a dazzling sonic playground full of some wild rides.” Added the *New York Times* in another accolade: “What makes Mr. Horvitz’s music so good is its ingenuity and variety of textures . . . one gets surging planes of sound and viscerally involving rhythms, and of that kind of music, Mr. Horvitz is some kind of master.”

Although he has acquired an international reputation as a cutting-edge composer/musician steeped in the avant-garde, Horvitz says he never deliberately sets out to shatter musical boundaries. “I’m not interested in innovation for innovation’s sake,” he explains. “I like beauty in music. I don’t want people just to be intellectually stimulated. I basically look for soulfulness in everything—whether it’s blues or classical music.”

Horvitz says that UCSC had a “tremendous impact” on his career, opening him up to a wide variety of musical formats, exposing him to a number of extraordinary musicians, and teaching him about the technical aspects of producing concerts and recordings. He also met his wife during his undergraduate days—UCSC alumna Robin Holcomb

(B.A., individual major, Porter '84)—who has herself gone on to record eight albums as a singer/songwriter. Together, they moved to New York City in the late 1970s to immerse themselves in a stimulating downtown music scene that also spawned the careers of people like David Byrne of the Talking Heads, revolutionary guitarist Bill Frisell, and saxophonist John Zorn.

Horvitz would eventually produce several CDs by Frisell and to date has helped create nearly 30 other recordings by a variety of artists. He has composed for a number of film, video, television, and multimedia projects, including three PBS specials and director Gus Van Sant’s film *Psycho*. He also has been involved with the New York dance community, collaborating with artists such as renowned choreographer Paul Taylor and with the White Oak Dance Project.

All the while, Horvitz has received dozens of commissions to compose works for the likes of the Kronos Quartet and the Seattle Chamber Players, as well as leading various ensembles such as the acclaimed jazz/funk group, Zony Mash, and his modern big band, the New York Composers Orchestra.

Although Horvitz already has a vast array of dynamic artistic projects under his belt, he always looks forward to experimenting with that next project—whatever it might be.

“It’s at the edges where things get interesting, and that’s where art should lie,” Horvitz observes. “You don’t need art the way you need food in the sense that you’ll expire if you don’t get it. But art is like love. It’s an essential experience beyond the mundane.”

—SCOTT RAPPAPORT



SHAMUEL THALER

In 2000, **Martha Mendoza** (B.A., journalism—education, '88) received journalism’s highest honor—the Pulitzer Prize. Mendoza and her AP colleagues were honored for reporting on a Korean War massacre. Mendoza is one of four UCSC grads to have received this coveted prize. Another is **Laurie Garrett** (B.A., biology, '75), who in 1996 received a Pulitzer for a series of articles in *Newsday* about the outbreak a year earlier of the ebola virus in Zaire.



COURTESY MACARTHUR FOUNDATION

When an unknown respiratory illness began infecting thousands of people in more than two-dozen countries in 2003, **Joseph DeRisi** (B.A., biochemistry and molecular biology, '92), a biochemist and biophysicist at UC San Francisco, determined that the culprit was a previously unknown coronavirus. The finding moved scientists one step closer to controlling the outbreak.

The UC Santa Cruz Cornerstone Campaign: Supporting Students, Transforming Lives

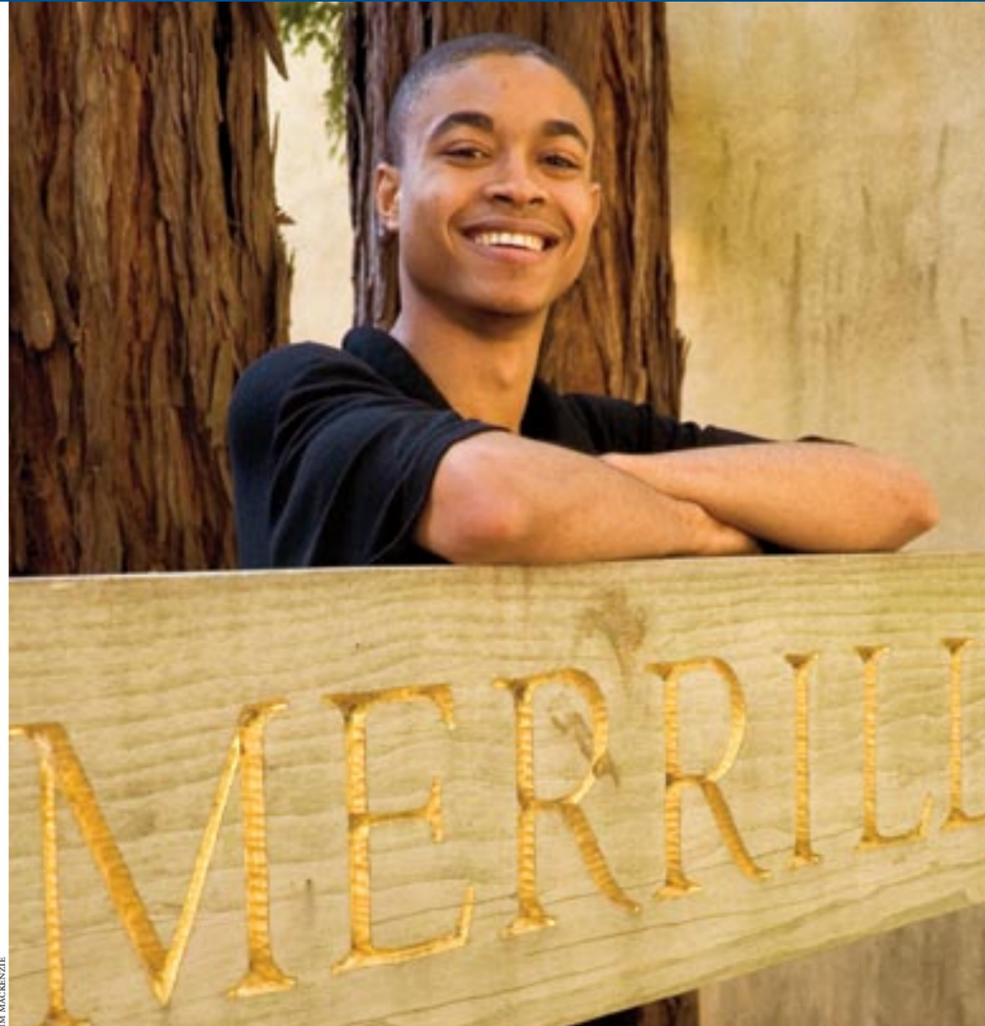
First UCSC fundraising campaign nears goal

The Cornerstone Campaign is the first major campuswide fundraising effort in the history of UC Santa Cruz. The campus is well on its way toward raising the goal of \$50 million by the end of June.

All areas of UCSC are benefiting from the campaign, with increased undergraduate and graduate support a top priority.

To help meet that priority, hundreds of alumni, parents, donors, and other friends of UCSC attended the Scholarships Benefit Dinner, held in November. A record \$1 million, double the amount of the previous year's event, was raised to support UCSC students.

"With this campaign, we will continue advancing the mission of UCSC at a crucial time for the students we serve," said Gordon Ringold (Crown '72), chair of the Cornerstone Campaign Council.



"I can focus more on my academics," says Charles Tolliver Jr., describing the impact scholarship support has had on his studies at UC Santa Cruz. The Merrill College senior is the first recipient of the Eric Thomas Memorial Scholarship, an award established to celebrate the life and achievements of the late alumnus. The scholarship recognizes and supports students who are committed to community service.

A South Central Los Angeles native who had never been outside the U.S., Tolliver worked all last summer to save enough for one quarter in the Education Abroad Program in Rome. Now he's nearly fluent in Italian. The scholarship support he received supplemented his savings, enabling him to get more out of the trip and not have to worry about fees and book expenses as he completes his degree.

A legal studies major and sociology minor, Tolliver is applying to graduate school. His long-term goal: a J.D. in criminal justice. "I would like to say thank you to the donors who helped create the Eric Thomas scholarship," said Tolliver. "This support has given me access to opportunities I otherwise would not have had."

Some recent campaign highlights:

Alumna's gift supports scholarships and library

When KIT MURA-SMITH (Merrill '75) came to UCSC as a "re-entry" student, she had nearly enough units to graduate—but in four different majors. "UCSC welcomed me and provided a grant and the support I needed to complete my degree in one year without working. I'll always be grateful for that," said Mura-smith, who recently made the largest gift ever by a graduate. Her \$1.4 million planned gift will be split equally between scholarships for re-entry students and improvements to the University Library's facilities.



Kit Mura-smith

Tech leader funds data systems chair

KUMAR MALAVALLI, cofounder of Brocade Communications and InMage Systems, has made a gift of \$1 million to establish an endowed chair in storage systems research. The Kumar Malavalli Endowed Chair will



COURTESY KUMAR MALAVALLI

support the Baskin School of Engineering's Storage Systems Research Center. "I am most excited that Mr. Malavalli, a business leader in the field of storage networks, has chosen to support the Storage Systems Research Center with this endowment," said dean of engineering Steve Kang.

Colleges benefit from support initiatives

Volunteer leaders have launched new fundraising programs that are providing immediate and long-term benefits for UCSC's colleges. Nearly \$80,000 has been raised through the first-ever Reunion Match Challenge



Ken Doctor

and the Alumni Colleges Fund Tiles Program. College tiles recognize gifts to a college of \$1,000 or more. Shown above is KEN DOCTOR (Merrill '71), president of the UCSC Alumni Association, with his inaugural college tile.

Humanities graduate program gains support

One of UCSC's earliest graduate programs has received a major gift from CRAIG SCHIFFER (Cowell '78), who established the History of Consciousness Fellowship Endowment. The history of consciousness program is an interdisciplinary Ph.D. program centered in the humanities with links to social sciences, natural sciences, and the arts. Schiffer's \$25,000 gift provides crucial student support, enabling focused dissertation research and writing.

Santa Cruz couple's surprise gift

Graduate students in psychology will be benefiting from the hard work of a couple they will never meet. Long-time Santa Cruz residents FEDERICO and RENA PERLINO lived modestly, worked hard, and donated their estate to local charities and organizations, including UCSC. More than \$400,000 from the Perlinos' planned gifts will support psychology graduate students working with deaf or hearing-impaired individuals.

Fellowships support science students

Graduate students studying marine mammals and plants have new options for student support with the creation of two fellowships.



Steve and Rebecca Sooy

Long-time Año Nuevo State Reserve volunteer docents REBECCA and STEVE SOOY have made a gift of \$200,000 to establish the Rebecca and Steve Sooy Graduate Fellowship in Marine Mammals. The fellowship will be open to any graduate student studying marine mammals at UCSC, with primary consideration being given to students investigating the northern elephant seals.

JEAN LANGENHEIM, professor emerita of ecology and evolutionary biology, has been studying plant ecology and evolution for 60 years. Now she is giving financial support to a new generation of graduate students through an endowed fellowship fund. Her \$200,000 gift establishes the Jean H. Langenheim Graduate Fellowship in Plant Ecology and Evolution, which will be available to students in two departments: ecology and evolutionary biology, and environmental studies.



Jean Langenheim

For more information on the Cornerstone Campaign, go to giveto.ucsc.edu

Alumni Association Councilors, 2004–05

Cowell

ADILAH BARNES '72, *Vice President for External Affairs*
 GREGORY CANILLAS '90
 KAREN RHODES '77
 ALLISON TOM '93

Stevenson

DAVID BRICK '69
 AMY EVERITT '92
 SANDOR NAGYSZALANCZY '77, *Vice President for Administration*
 JOAN FITTING SCOTT '69, *Vice President for Internal Affairs*

Crown

JERRY RUIZ '77
 RICK SIMPSON '73
 STACEY VREEKEN '83

Merrill

KEN DOCTOR '71, *President*
 PATRICK R. A. FORD '93
 DOMINADOR SIABABA '75, *Executive Vice President*

Porter

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 JOHN GUTIERREZ '73
 ROB SAWYER '72, *Vice President for Finance*

Kresge

PAUL D. SEEMAN '76
 SHARIF TRAYLOR '85

Oakes

FILOMENA TRINDADE '85
 PATRICK WALKER '84

College Eight

SUSAN BRUTSCHY '80
 AARON COLE '91

Ex Officio

CAROLYN CHRISTOPHERSON, *Executive Director*
 DENICE D. DENTON, *Chancellor*
 ALISON GALLOWAY, *Chair, Academic Senate*
 JESSICA PIERCE, *Chair, Student Union Assembly*
 KAI POMMERENKE, *President, Graduate Student Association*

Banana Slug Spring Fair on April 16



Banana Spring Fair 2004: Early-era alumni discussed UCSC's college system with current and retired faculty and staff (left photo) during a session titled Stewarding College Traditions; (l-r) Professor DAVID KAUN, Cowell College programs coordinator ANGIE CHRISTMANN, and Professors Emeritae PRISCILLA SHAW and AUDREY STANLEY. A college reception at Kresge (right photo) brought together journalism lecturer CONN HALLINAN (left) and two former students, Santa Cruz Sentinel reporters DONNA JONES (Kresge '93, center) and NANCY REDWINE (Kresge '01).

Celebrate spring and UCSC's 40th anniversary with a visit to your alma mater during Banana Slug Spring Fair, the campus reunion weekend. Enjoy lectures, receptions, reunions, and panel discussions designed especially for alumni. Selected highlights are listed below. Check the web—alumni.ucsc.edu—for a complete list, all the details, and to RSVP; or contact the Alumni Association at (800) 933-SLUG.

- ▶ **All-Alumni Reunion Luncheon**, honoring UCSC's 40th anniversary and the graduating classes of '70, '75, '80, '85, '90, '95, and '00; all alumni and guests welcome.
- ▶ **Class of 1975** 30-year reunion, reception, and dinner.
- ▶ **Latino Alumni Network** student and alumni mentoring forum and networking reception.
- ▶ **Second Annual Alumni Panel Discussion**, featuring graduates from the class of '75, including Philip Brookman, senior curator at the Corcoran Gallery of Art; Pulitzer, Polk, and Peabody prize-winning author and journalist Laurie Garrett; high-tech entrepreneur Carol Realini, named one of the top 100 women in computing; and Gordon Wiltsie, whose photographs regularly appear in *National Geographic* and other magazines.
- ▶ **Jack Baskin School of Engineering** reunion—for all majors related to computer and information sciences, engineering, and bioinformatics.
- ▶ **UCSC's first-ever Asian American and Pacific Islander** alumni reunion.
- ▶ **Hillel/Jewish** alumni reunion.
- ▶ **Gala opening** of the exhibit "Reminiscing Cowell College: The First 10 Years."
- ▶ **Lionel Cantú Gay Lesbian Bisexual Transgender Intersex Resource Center** lavender reception.
- ▶ **Humanities Division** party, including faculty—past and present.
- ▶ **"A Day on the Bay"** morning whale-watching cruise with ocean sciences professor Mary Silver, on ADA-compliant ship. Proceeds benefit GLBTI Resource Center.
- ▶ **Psychology Department** reunion.
- ▶ **Chancellor's Undergraduate Internship Program** reunion, 1994–2004.
- ▶ **All-sciences** reunion.
- ▶ **Receptions** at each college.
- ▶ **2005 African American** alumni reunion.
- ▶ **UCSC track and field** reunion, including the alumni Slug Run, to benefit the Track and Field Club.
- ▶ **Third Annual Distinguished Faculty Lecture** presented by professor of psychology Craig Haney, an expert on the psychological effects of incarceration and other legal and civil rights issues.
- ▶ **Fifteenth anniversary** celebration of the **African American Resource and Cultural Center**.

Supporting students: Alumni Association soars to new heights

THIS ACADEMIC YEAR, UCSC graduates and other donors to the Alumni Association Scholarship Fund (AASF) have provided more student scholarships than ever before. Both the dollar amount and the number of financial-need-based scholarships reached record levels: 20 undergraduates received new awards of \$3,000 each, and 23 students renewed their scholarships at \$1,500 each. Together, these awards total \$94,500.

The Alumni Association has recently launched two new scholarship initiatives within AASF and a new program to raise money for the colleges.

The Eric Thomas Memorial Scholarship honors the late Oakes '84 graduate, former Alumni Association president, and co-founder of Black Escargot (UCSC's African American alumni affinity group), who passed away in June 2004. Charles Tolliver Jr. is the first recipient of this award (see page 22).

The Alumni Association's "First in Family" scholarship initiative targets financially needy students who are the first in their family to attend UC.

The Alumni Colleges Fund Tiles Program will generate annual and endowment funds for UCSC's colleges. For a gift of \$1,000 or more, donors may purchase a personalized engraved tile that will be permanently displayed at the college of their choice (see page 23).

To make a gift to these and other campus support programs, go online to giveto.ucsc.edu.

For more information on the Alumni Association and its activities, contact:

Alumni Association
 University of California
 1156 High St.
 Santa Cruz, CA 95064-1077

On the web:
alumni.ucsc.edu

E-mail:
alumni@ucsc.edu

Toll-free long distance:
 (800) 933-SLUG

Locally:
 (831) 459-2530

Alumni site makes connecting easier

AS APRIL'S BANANA SLUG Spring Fair campus reunion weekend draws near, savvy UCSC graduates are finding the Alumni Association's web page more useful than ever before.

The Online Directory contains password-protected information on some 60,000 graduates, including 16,000 e-mail addresses—a record number of alumni e-mails since the site was launched in March 2002. E-mail makes it easy to find and contact old friends.

The "Events Registration/RSVP" function allows guests to submit an RSVP and payment online for reunions and other events, and also to see who else plans to attend.

Now is a great time to contact old friends, invite them to join you at the on-campus April reunion, submit your reunion RSVP, and/or confirm the accuracy of your personal data at alumni.ucsc.edu.

Make your nomination: You may have a winner

UCSC LECTURER M. Victoria González Pagani "introduced me to a world of Spanish language, literature and linguistics that I could not have known otherwise. She is the reason I am pursuing graduate studies in Spanish," wrote Jenny Nadaner (Cowell '03) when she nominated the winner of the Alumni Association's 2004–05 Distinguished Teaching Award.

Nominations are now open for the Alumni Association's 2005–06 Alumni Achievement, Outstanding Staff, and Distinguished Teaching Awards. Your nomination of a memorable professor, an exceptional staff member, and/or an accomplished UCSC graduate may bring well-deserved recognition to a member of the campus community.

To make a nomination, go to alumni.ucsc.edu/programs and choose the "awards" button. The 2005–06 nomination deadline is May 6.

Your membership makes a difference

ALUMNI KEEP UCSC'S unique experience alive, accessible, and affordable. Membership in your Alumni Association supports UCSC and its students by:

- Providing scholarships
- Funding college projects
- Offering career advice and networking
- Hosting visiting scholars
- Promoting excellence with awards.

Join more than 10,000 loyal Alumni Association members. Support tomorrow's leaders and become a member today.

alumni.ucsc.edu



Recipients of 2004–05 Alumni Association Scholarship Fund awards are (l-r): back row, Jordan Neyer, Susanna Tuan, Anna Archana Madan, and Phillip B. Rose; third row, Jacqueline Lima, Laura Ann Landriau, Ngoc Ba Nguyen, and Sherry Sibley Hall; second row, Sam Kuo, Latrice Donyel Thomas, and Mariel Tarango; and front row, Noah Anthony Fullerton and Jade Meadow Brooks.

Cowell College

'70 **Sandra KATZMAN** teaches English at the National Defense Academy and at Osaka University of Foreign Studies; she also works as a freelance rapporteur for Mitsubishi Research Institute and for the Ship and Ocean Foundation of Japan.

'77 **Bob LOMBARDI's** most recent adventure was to ride his Harley solo the length of the Alcan Highway; Bob lives with his most recent wife in Modesto, Calif., and continues to support conservative issues, pro-life causes, and the rights of gun owners.

'78 **Martin WEISS** has been working in the psychiatric field for the past 25 years; he resides happily in Valrico, Fla., with his wife, Debbie, and his son, Evan.

'79 **John LEECH** was ordained to the Sacred Order of Deacons at Saint Patrick's Episcopal Church in Kenwood, Calif., in November 2004.

'83 **Bonnie HOUGH**, a senior attorney with the Administrative Office of the Courts Center for Families, Children, and the Courts, was awarded the 2004 Fay Stender Award from California Women Lawyers, the statewide women's bar association; in giving the award, the president of the group described Hough as someone who has devoted her professional life to helping poor and moderate income people without lawyers gain access to the family courts.

'84 **Chris LINSON** lives and works in Oakland as a physical therapist; he is engaged to be married and looking forward to the next phase of his life.

'91 **Elisa GORDON**, an assistant professor of bioethics at Loyola University in Chicago, received an NIH grant for research on kidney transplantation; she had a son, Nicolai, in February 2003.

'92 **Jane PARKS-McKay** is a freelance journalist and runs a 10-year-old public relations firm that represents businesses all over the country; she recently contributed two family recipes to the *Meals to Remember Family Cookbook*, compiled by Traci Post—a benefit for the Alzheimer's Association.

'99 **Sarah DIAZ-BASTIN** is working as a fine artist in San Francisco and recently had her first mural dedicated at the Quan Yin Healing Arts Building; her web page is spiralpathart.com.

'01 **Kristian JENSEN** is entering his third year of a Ph.D. program in American literature at UC Davis, where he also teaches composition.

'02 **Marnie Lynn GRANADOS** is a member of the inaugural class at UC Irvine College of Medicine's Program in Medical Education for the Latino Community, a medical training program designed to meet the increasing demand for physicians and public health leaders who can address the distinct needs of Latinos.

Stevenson College

'69 **Joan FITTING Scott** is a freelance writer and public relations practitioner; her work has been published in newspapers and magazines, and recently in an Atrium Press anthology, *Haunted Encounters: Departed Family and Friends*. She is on the UCSC Alumni Council.

'70 **Aleck DARR** retired in 2004 after 32 years of working for the State of California; he began as a clerk and ended up as a research analyst, responsible for his office's web site. To celebrate, he and his wife, Nancy, journeyed to New York City for two weeks and later attended the Dickens Universe at UCSC; he would love to hear from anyone in his history classes or just alums from the early seventies at Aleck.Darr@worldnet.att.net.

'72 **Katherine HAMAKER Clark** was a recent recipient of the 2004 Distinguished Staff Award at Linn-Benton Community College in Albany, Ore.; she has been at the college since 1975 and is the department chair for developmental

studies; in nominating her, colleagues noted her positive attitude, teaching and knowledge of developmental studies. **Stacy SMITH** has been a licensed marriage, family, and child therapist since 1976; he has a private practice in Los Gatos specializing in adult caregivers and their emotional well-being.

'73 **Martin FINE** joined the Sacramento office of Best Best & Krieger in October 2004 as a partner in the firm's Schools and Special Education Practice Group; he has a law degree from Harvard and a master's degree in counseling education from Sonoma State University, and he is a certified trainer in negotiations and advanced mediation.

'74 **Douglas MAYNARD** is a lawyer practicing with the law offices of Maynard & Hogan in Santa Clara County; *San Jose Magazine* recently named him one of the top attorneys in Silicon Valley.

'76 **Joy COLANGELO** lives with her husband and two children; she recently published a book, titled *Embodied Wisdom: What Our Anatomy Can Teach Us About the Art of Living*.

'79 **Katrin FLECHSIG** received a Ph.D. in anthropology from the University of Texas at Austin and recently published *Miniature Crafts and Their Makers: Palm Weaving in a Mexican Town* (University of Arizona Press, 2004). In the last two years, **Pamela REVLING Gravlin** has survived colorectal cancer, five surgeries, a divorce after 22 years of marriage, and sending her oldest child off to college; she has been a licensed clinical social worker for 20 years.

'82 **Ariel GIARRETTO** is a somatic psychotherapist specializing in the treatment of severe trauma;

she teaches and travels worldwide and has private practices in Berkeley and Sebastopol, Calif.

'83 **Sarah CREWE** and her husband, Patrick Connor, are the proud parents of twin girls, now 17 months old; Sarah is a client adviser in the Private Client Services Division of JPMorgan Bank One.

'88 After four years on Mauna Kea, **John McDONALD** is working as a flight dynamics engineer for a small spacecraft operated at UC Berkeley Space Sciences Laboratory and missing the Hawaiian Islands.

'89 **Robert BULMAN** received his Ph.D. in sociology from UC Berkeley and is now an associate professor of sociology at Saint Mary's College of California; he lives in Davis with his wife, Lynn, and son, Aron (born in October 2004). He recently published his first book, *Hollywood Goes to High School: Cinema, Schools, and American Culture* (Worth, 2005).

'91 **Roberto DELGADILLO** completed his doctorate in modern Latin American history from UCLA; he continues to work as a librarian for the Inglewood and Beverly Hills Public Libraries. **Allison JACK** is senior education policy development adviser for Illinois governor Rod Blagojevich.

'93 **David COLLINS** graduated in May 2004 from Howard University School of Law and was admitted to the Colorado Bar in October 2004.

'95 **Kirsten BERZON** recently began working at Berkeley Repertory Theatre as the special events manager; she lives with her partner, Kathy, and dog, Mollie, in Oakland.

'96 **Susan HARRISON** resides in London, where she is finishing graduate work in botany at the Natural History Museum and the Imperial College of Science and Technology; her area of study is molecular phylogenetics and evolution in plants.

'98 **Maricela SANTOS** is currently employed in the Financial District in San Francisco and is a member of a local dance company, which performed at the Beijing International Tourist Festival in September 2004.

Crown College

'80 **Dan COLTON** captained a cycling team that rode in the 2004 Bike for Breath and raised over \$10,000 for the American Lung Association; he was also an active member of the planning committee for the event.

'87 **Jeffery MUNIC** has been in Jerusalem for over 15 years studying the holy Torah at an ultraorthodox yeshiva. He says, "The experience has been fantastic and gets better every day," and invites fellow alums to write to him about spiritual issues at jeffmunic@yahoo.com.

'89 **Nick KOPSINIS** is married, living in Virginia, and the father of a newborn son, a future Theta Chi, named Samuel.

[Information removed from this location as per alumni request.]

'94 **Terran ROSENBERG** has moved to north Florida to start up the education department at a small aquarium.

'96 **Elyse OLSON Lowe** married Ryan Lowe in 2004 and is working for the San Diego City Council.

'00 **Sara WHITESIDE Greco** and **Matthew GRECO** (Stevenson '02) married in 2003 and have a son, Ezra Owen; they live in Santa Cruz, where Matt is a deacon at Church of the King.

Merrill College

'70 **Alexander "Sandy" MacKAY** is still having fun in politics, community activity, and municipal planning.

'71 **Susan FREDa Suter** works as a research nurse in radiation oncology at the University of Alabama, Birmingham. **Cynthia WALL's** book *The Courage to Trust: A Guide to Deep and Lasting Relationships* is being published by New Harbinger Publications in 2005.

'76 **Wendy KING** was recently appointed senior associate dean for finance and administration at the University of Vermont College of Medicine; prior to this, she worked as a consultant to facility and operations management in areas such as architectural and construction firm

selection, project scheduling, and financial feasibility studies.

'90 **Carolyn CHERRY** recently passed her written preliminary exams for her doctorate in educational policy and administration; she is working on her dissertation and administrative licensures, while still working as a professional development coordinator for the Minneapolis public schools. **Suzanne SAUNDERS** graduated from Emory University in 1997 with a dual M.S.N. and M.P.H. degree and became licensed as a nurse midwife the same year; she recently caught her 700th baby and has a busy practice in Santa Rosa, Calif. She married her high school sweetheart in 2000, and their son, Will, was born in May 2002.

'91 **Rebecca ARNOLDI** is painting and codirecting an urban environmental education program in Boston.

'92 **Kristine CIOFFI** was married in the Maasai Mara in Kenya in 2003; in summer 2004 she was living in London and expecting her first child but planned to move to France after the birth. **Malcolm RIDENOUR** was selected as one of the top 100 ski instructors by *SKI* magazine (November 2004); he lives in Truckee, Calif., and is the staff trainer at Northstar@Tahoe Ski/Snowboard School. In the summers, he teaches tennis at the resort and was honored as Pro of the Year for the Reno/Tahoe region by the U.S. Professional Tennis Association NorCal Division.

'93 In 2003, **Tiffany VOGEL Gerck** married Ed Gerck and joined him in his start-up venture, Safevote, an Internet voting company; in 2004, little Eduardo, weighing 11 lbs. 5 oz., joined their family.

'96 **Laura VIK Dang** taught English in Vietnam for six years; now she and her husband, Phu, live in Hollister, have a two-year-old daughter, and are expecting another child in May. In summer 2004 they returned to Vietnam to visit family.

'99 **Aubrey HOLLOWELL's** boyfriend, Tim Ho Wong, proposed while they were on vacation in Paris on the second anniversary of their first date; they're planning a July 2005 wedding. **Gabrielle TENN New** married Steven New in March 2004; they live in the San Diego area with their two dogs, Roxy and Loki.

'02 **Jennifer JONES** has recently returned from a two-year tour of service with the Peace Corps as a community economic development volunteer in the Dominican Republic.

'03 **Eion LYS** earned a California Teaching Credential in secondary school social studies from CSU Sacramento in May 2004; he is now managing The Gardener, a retail store in Berkeley.

Porter College

'73 **David RUTH's** glass sculpture was shown at the Alysia Duckler Gallery in Portland in fall 2004.

'76 **Wayne ASHLEY** is the curator of New Media and Public Programs at the Lower Manhattan Cultural Council; in the past year he curated public wireless events and produced an international conference on the future of war.

'77 **Laura MARELLO's** first novel, *Claiming Kin*, is forthcoming from Guernica Editions, Toronto, this year. **Rebecca MORGAN** is the 2004-05 treasurer for the National Speakers Association; she has served on the national board of directors for the last three years and was re-elected to serve another three-year term. She also continues to run the organization Books For Treats (www.BooksForTreats.org), which encourages giving "gently read" children's books at Halloween instead of candy.

'78 **Jeffrey GLUCKSON Briar** was the piano accompanist for the Stephen Schwartz musical *Godspell* when it was performed in spring 2004 in San Juan Capistrano, Calif. **Kevin FLYNN** is now the executive vice president of Marathon Products, a manufacturer of sensor-based technologies for the pharmaceutical, chemical, and produce industries.

'79 **Susan MEADE** is thrilled that her son, **Alex O'KONSKI**, is a freshman at Crown College this year.

'80 **Lynn ERLICH Erfer** is director of marketing at the Maui Visitors Bureau, and she is learning hula.

'86 **Andrew McINTIRE** is a cartographer with the Census Bureau. He and his wife, **Ann RETZLAFF McIntire** (Porter '85), have two children and another was expected in December 2004; they are regular churchgoers, Andrew is a Cub Scout den leader, and Ann stays home with the kids.

'91 **George GUBBINS Jr.**, who participated in the EAP in Spain, now teaches high school Spanish and is about to go into administration.

'93 **Merrill FEITELL's** first book, titled *Here Beneath Low-Flying Planes*, was published in fall 2004 by the University of Iowa Press; she has published in *Book Magazine*, *Glimmer Train*, and the *Best New American Voices 2000* and won the 2004 Iowa Short Fiction Award.

Stacey LEWIS recently got engaged to Brandon Baunach of San Francisco; she's the publicity and marketing director of City Lights Publishers.

'94 After enjoying every second at UCSC, **Lisa ARNDT** went on to get a master's degree in psychology from Antioch University and is now working with adolescents with severe eating disorders, which she describes as amazing and powerful work.

Bethany SKENFIELD Lund owns a photography and design business specializing in photojournalism, wedding photography and portraits, and web and print design.

'95 **LaMar DAVIS** is director of the Choice Program at the Shriver Center at the University of Maryland, Baltimore County; he is pursuing a master's in arts administration at Goucher College in Maryland and is married to Marla McLean.

'00 **Kimberly DARLINGTON** is in her first year of teaching elementary school in Santa Rosa; she received her teaching credential from Sonoma State University.

'03 **Kiel OLEFF** is working for the San Francisco Giants and Golden State Warriors, making highlight videos and other team media.

Kresge College

'76 After 25 years as counsel in the juvenile justice system, **Paul SEEMAN** was appointed a court commissioner for the Superior Court in Alameda County, Calif., in 2004; he is a founding member of the Court Appointed Special Advocates Program, the Donald P. McCullum Youth Court, and the Juvenile Counsel Advocacy Project. Seeman is also a member of the UCSC Alumni Council.

We'd like to hear from you

► Use the envelope in the middle of the magazine to send us your class note

► or send e-mail to dewey@ucsc.edu

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

'79 **Doug FRIEDMAN** sang and played "Route 66" at his department barbeque; he's an environmental engineer for the Orange County Planning Department, and he received his M.P.A. from CSU Long Beach in May 2004. He also acts, writes screenplays, and is represented by Marian Berzon Talent. **Brian TLOUGAN** had his 20th solo photography exhibition in October 2004 in Berlin; since graduation he has traveled to 51 countries, most recently Albania, Montenegro, and Slovakia. His photography web site is www.geocities.com/apgalbo.

'89 **Garth WOLKOFF** received his M.F.A. from the University of Maryland in 1996; in 2003, he and a small group of teachers started the High School for Public Service in Brooklyn, N.Y., where he teaches English. He lives with his girlfriend, Leslie Jirsa, and continues to write fiction.

'94 **Melinda GLINES** spent two years in the Peace Corps in Fiji, went to medical school at UC Irvine, and is now in her third year of a family medicine residency in Santa Rosa.

'95 **Chris FREUND** moved to Vietnam immediately after graduating from UCSC; initially he worked for the Templeton Vietnam and Southeast Asia Fund, based in Ho Chi Minh City, and then he relocated to Singapore where he covered the technology sector in emerging markets for Templeton. Now back in Vietnam, he is the founder and managing director of Mekong Capital, which manages the Mekong Enterprise Fund, the first private equity fund to invest in private, entrepreneurial companies in Vietnam, Laos, and Cambodia. Web site: www.mekongcapital.com.

'98 **Colleen CROSBY**, owner of the Santa Cruz Coffee Roasting Company, was honored by the Santa Cruz Chamber of Commerce as "Woman of the Year" at the organization's November 2004 awards dinner.

Oakes College

'77 **Sandra STEVENSON** is a Spanish-speaking psychotherapist at an outpatient clinic run by San Mateo County Mental Health Services and is in private practice in San Francisco.

'78 **David SHERMAN** is John Gideon Searle Professor of Medicinal Chemistry at the University of Michigan.

'83 **David FIERSTEIN** (cert., science communication '97), a freelance science illustrator and animator, won the top award for Informational Graphics in *Science* magazine's 2004 Visualization Challenge.

'87 **Jana SHOHAT Busby** and her husband, **Robert BUSBY** (Cowell '88), have two children, Laura (9) and Megan (6); Jana is a part-time grant writer, and Rob is an engineering geologist for the State of California.

'90 **Suzy JONES** is director of business development at Genentech; she recently coauthored a biotech book that she hopes to make available to UCSC students.

'96 **Melissa KOHLER** graduated from Bastyr University in Seattle with a master's degree in acupuncture and a doctorate in naturopathic medicine; she hopes to open a private practice after further studies in China. **Natasha YANNACONE Yannacañedo** is an actress living in New York City; she just won a HOLA award for her work in *Fireflies*; she played a lead role in *107 Street*, which had its world debut at HBO's Latino Film Festival.

'98 **Shealeen BLUM** received her Doctor of Optometry degree in 2004 from the Pennsylvania College of Optometry.

'01 **Elisa SORIA Arellano** is married with two children and is working on a master's degree in social work.

'04 **Christina OSUMI** is engaged to be married, pursuing her elementary teaching credential, traveling, and enjoying life.

College Eight

'77 **Kevin CALLAHAN** has served as the public works administrator for Summit County, Utah, for the last three years and is writing a book, titled "The Effective Planner," to be published by the American Planning Association.

'83 **R. Lundy BANCROFT** won a 2004 Pro Humanitate Literary Award from the Center for Child Welfare Policy of the North American Resource Center for Child

Welfare for his coauthorship (with Jay Silverman) of the book *The Batterer as Parent: Addressing the Impact of Domestic Violence on Family Dynamics* (SAGE Publications, 2002).

'84 **Beth DILLINGHAM**, an environmental educator, has been chosen as the new superintendent of Rio Grande Nature Center State Park in New Mexico; Nature Center's operations include numerous education, outreach, and bosque restoration programs.

'86 **Susan DeVANNA-Conrad** taught school for seven years and is now working in educational technology; she lives with her husband and daughter. **Spencer LENNARD** started the Klamath-Siskiyou Wildlands Center (KS Wild) in 1997 to ensure compliance with environmental laws in the six million acres of federal lands in southwest Oregon. With a staff of seven, KS Wild (www.kswild.org) has prevented the destructive logging of more than 3,000 acres of roadless and native forests in the Klamath-Siskiyou region.

'92 **Melanie CIHOS Anderson** lives in Santa Cruz and is attending Maurine Church Coburn School of Nursing at Monterey Peninsula College.

'94 **Douglas KEEHN** completed UCLA School of Law and UCLA Public Interest Law and Policy Program in May 2004 and was admitted to the California State Bar; he practices international law in Los Angeles.

'97 **Matthew MITCHELL** married Alison Speights of Newport Beach in July 2004; they live in Santa Cruz where Alison teaches third grade and Matthew is going to paramedic school. **Albert Galvan MORALES** completed his active duty military career as a captain, after serving with the 101st Airborne Division during Operation Iraqi Freedom; he was a manager of the Veteran's Employment Office in Mosul, Iraq, hiring over 6,700 local citizens for work in humanitarian projects and support and stability operations.

'99 **Michelle LYNAR Ashley** and her husband, Boyer Ashley, were married in 2003 and live on Capitol Hill in Washington, D.C.; Michelle joined Science Applications International Corporation in 2003 as a senior defense policy analyst and was recently promoted to program manager.

'01 **Tiffany LEVIN Kim** was accepted into the graduate program in communications at San Jose State University. **Nathan PIERCE** lives in Hawaii, where the ska music is great; he has started a record label, and his first release is a compilation of Hawaiian ska, which will be a benefit for the Surfrider Foundation, Oahu Chapter (ska@yahoo.com).

'02 **Skylar BUNDY DePedro** is a graduate student in counseling at Webster State University in North Carolina.

'03 **Hannah De La VEGA** won the Pearl of the Philippine Islands Beauty Pageant in 2004; she is a sales executive with Property I.D. in Los Angeles.

College Nine

'01 **Michael LOFGREN** is an aviator in the U.S. Navy; in November 2004, after training in Meridian, Miss., he received the coveted "Wings of Gold," marking the culmination of months of flight training.

In Memoriam

Charles Gary LOVE (Cowell '67), who worked in custodial services at UCSC, most recently at Long Marine Lab's Seymour Center, died at home in December 2004, after a courageous struggle with non-Hodgkin's lymphoma; he was 60.

Sharon ERSPAMER (Crown '76), a graphic artist and environmentalist, who combined her artistic talent with her scientific background to make interpretive signs for Santa Cruz County beaches and parks, died of colon cancer in September 2004 in Santa Cruz; she was 50.

Ken Corby SHINOMIYA (Cowell '89), who had worked in the bicycle industry for many years, died unexpectedly of cardiovascular disease in December 2003; he was 38.

Cat Helen MUNSON-Ring (Oakes '93), who held master's degrees in nursing and clinical psychology, died in December 2004, from critical injuries she suffered when flinging herself in front of her car to stop it from rolling into a ravine with her six-year-old son inside; she was 33.



Graduation Memories

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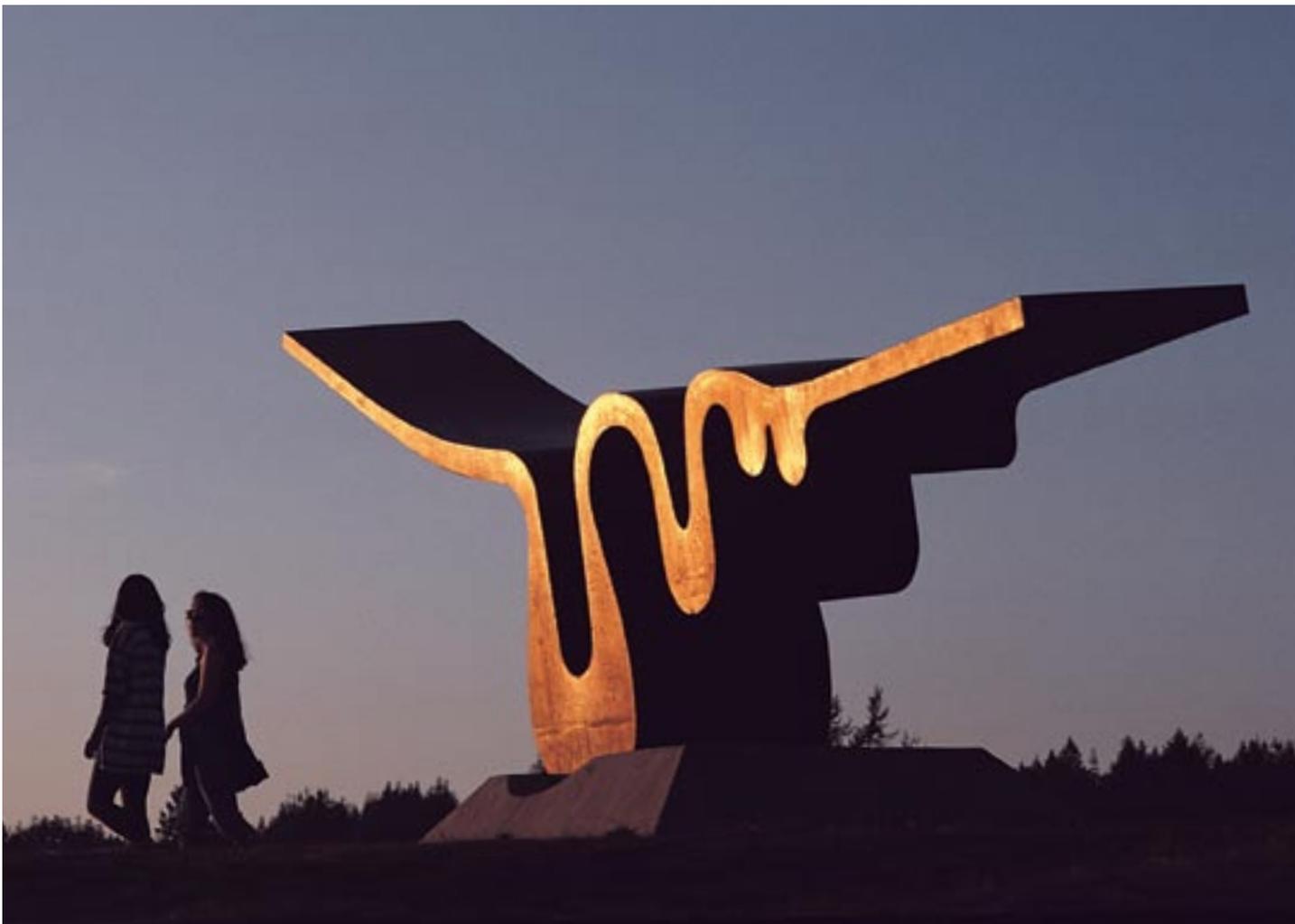
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