The Next 100 Years
A centennial for the university, nearly 60 years for the College of Letters & Science
Thank You for Your Annual Fund Donation

Thanks to your support, the College of Letters and Science Annual Fund raised more than $75,000 for programs, faculty and student support, and research.

These funds (and the over $7.8 million in donations to the college last year), help in countless ways. They all have one thing in common — you, and your love of the college and your desire to see it succeed. Annual fund dollars go towards the areas of greatest need for the college, allowing the college to move nimbly and support what its students and faculty require the most.

Your gifts helped the college create a new Middle East/South Asia Studies undergraduate major, as well as create new language courses in Arabic and Hindi/Urdu. They enhance the educational experience at the college — creating funds for podcasts of lectures, class websites and bringing new speakers to the college. This year alone, your support helped to fund visits by a U.S. poet laureate, a Pulitzer Prize-winning author, a leader in the field of energy conservation, an astronaut, and government and community leaders.

Annual Fund gifts help support up-to-date buildings, labs and equipment, which create new opportunities for students and faculty research. For example, Professor Carlito Lebrilla's cutting-edge techniques in pharmaceutical chemistry may make new types of drugs and treatments for ovarian cancer possible in the near future. In other areas, the college's California Center for Lighting Technology is fostering and disseminating important advances in energy efficiency, and the program in international economics is exploring why some economies succeed and others fail.

Your Annual Fund gifts make an immeasurable impact on the College of Letters and Science – thank you!

To read about all of the generous donations to the college's last fiscal year, please go to page 31.
FEATURES

12  As UC Davis celebrates its centennial year, what will the next 100 bring to the College of Letters and Science?

20  The UC Davis Humanities Institute takes the humanities into the 21st century.

27  Student Tanner Bixler discovers more than the most challenging climb of his lifetime at Mt. Everest.

DEPARTMENTS

6  College Corner
18  Donors Making a Difference
22  In Memoriam
23  On the Scene
27  Close Up
30  Flashbacks
31  Annual Report
38  The Back Story

ON THE COVER: Five of the College of Letters and Science class of 2008’s outstanding students. From front: Chelsea Hertzog, Matthew Engle, Christina Chin, Matthew Holden, and Jeffrey Lee. Photo: Paul Estabrook
LETTERS TO THE EDITOR

In your Spring 2008 issue, you overlooked the recent passing of UC Davis student and UC Davis Men’s Volleyball Team superstar Greg Jacobs, who was killed in a car accident on December 29th, 2007. The Sacramento Bee covered his story, and the UC Davis Men’s Volleyball Club also posted his story on their website, for more information.

—Robert Callahan, B.A., Political Science, ’05

EDITOR’S NOTE: We appreciated Robert Callahan’s note, directing our attention to Greg Jacobs’ unfortunate passing. A brief article about him is on page 22.

The tribute (Spring 2008) to Charles Nash, Professor of Chemistry, also should note that he was a brilliant teacher both in the classroom and in lab. He and a colleague created an outstanding advanced freshman chemistry course. In my senior year I thanked four professors who had been especially insightful: Jay Halio (English), Roland Hoermann (German), Lloyd Musolf (political science) and Charles Nash, who truly was one of the best.

—Tom Stanton, B.A., Political Science, Chemistry, and German, ’65

CORRECTIONS

Know It All?, page 20

In the Spring 2008 issue of College Currents, the caption on page 20 lists Professor Ken Verosub as an “emeritus” professor. He is not emeritus and is an active member in the Department of Geology. Professor Verosub’s title is “Distinguished Professor of Geology.”

Back Cover, page 44

The UC Davis Richard L. Nelson Gallery director’s name was spelled incorrectly. The correct spelling is Renny Pritikin.

COMMENTS?

Comments and questions about this issue of College Currents can be sent to the editor at currentseditor@ucdavis.edu. If you would like to remove your name from the mailing list, please email lsdevelopment@ucdavis.edu.

UPDATE YOUR INFORMATION

You can now update your information online at the new College of Letters and Science website: www.ls.ucdavis.edu. Click on “Alumni and Friends.”

PARENTS

If your Letters and Science graduate has moved, please give us his or her new address so we can stay in touch! Please send email to lsdevelopment@ucdavis.edu.

WANT TO FIND SOMEONE AT UC DAVIS?

Many of our readers have contacted us to try to get in touch with the individuals that are featured in the magazine. To find someone at UC Davis, you can go to: http://www.ucdavis.edu/search/directory_results.shtml?filter=
Interim Dean of Division of Social Sciences Announced

The College of Letters and Science is pleased to welcome George R. Mangun as interim dean, replacing former dean Steven M. Sheffrin, who stepped down after serving as dean for ten years. Mangun joined UC Davis in 1992, serving as head of the perception and cognition area in the Department of Psychology from 1996–1999. In 1999, he left UC Davis to become Director of the Center for Cognitive Neuroscience at Duke University. He returned to UC Davis in 2002 as director of the Center for Mind and Brain. A respected faculty member and administrator, Mangun has the experience and skills to ably fill the position of interim dean while the national search to fill the position on a permanent basis continues.

As UC Davis is now a “centenarian” in the world of higher education, we look forward to the next hundred years, wondering how much will change, and how much will stay the same. We are certain that the College of Letters and Science will continue to provide the best place for students, researchers, and scholars to discover their paths. We will continue to seek excellence in teaching, advance new knowledge, and serve the needs of students from California and around the world. In this centennial year, the university is inviting alumni, students, scholars, and the general public to discover the campus again.

We are also launching a “100 stories” project to celebrate the Centennial, and welcome your stories about how UC Davis made a difference in your life. Click on the “100” on our home page: www.ls.ucdavis.edu to add your story.

Our warmest wishes for 100 more!

Winston Ko, Dean, Division of Mathematical and Physical Sciences
George R. Mangun, Interim Dean, Division of Social Sciences
Jessie Ann Owens, Dean, Division of Humanities, Arts and Cultural Studies
What does social networking site Facebook have in common with the arrangement of a flower’s petals? That’s what UC Davis physicist James Crutchfield wants to know. He’s devoted his career to developing a statistical physics theory of patterns and learning algorithms to reveal hidden relationships in complex patterns, whether those occur in earthquake cycles, world financial markets, flower petals or social interactions.

“I look at my work as a theory of theory building,” says Crutchfield, director of the new Complexity Sciences Center, which supports interdisciplinary approaches to understanding patterns in complex network systems. “Rather than merely recognizing patterns we already know, how do we, as scientists, discover patterns we’ve never seen before? The fascinating thing is that we do this all the time. I want to know how.”

Deciphering patterns is more important now than ever, as new scientific advances are yielding massive amounts of data. For instance, when the Large Synoptic Survey Telescope, orchestrated by UC Davis astrophysicist Tony Tyson, goes live in 2014, taking detailed photos of the entire sky every night, it will produce an enormous amount of information. Crutchfield hopes his automated learning algorithms will help colleagues like Tyson find regularities hidden in the cosmic data.

He also hopes that analyzing social interactions in networks like MySpace and Facebook will offer new power to Internet technologies. “Why limit the study of patterns and order to physical material or biological organisms?” he asks. “Human behavior is patterned, too.”

Any kid can tell you that no two snowflakes are identical. But it takes a mathematician to show how very alike they can be. UC Davis Professor Janko Gravner helped develop a 3D computer model of snowflakes, which demonstrated that certain snowflake patterns recur more often than others. Needle-shaped snowflakes, for instance, are more common than the classic six-pointed “dendritic” snowflake.

“Why snowflakes are not more different from each other is a mystery,” says Gravner, who developed the model with David Griffeath of the University of Wisconsin-Madison. The model reproduces snowflake growth as water vapor condenses around a nucleus, such as a bit of dust. A complex, semi-liquid layer on the snowflake’s surface then attracts additional water molecules. Gravner hopes his so-called “snowfakes” will help explain why some patterns are more
common than others in nature. “Being able to model the process might answer some of the questions,” he says.

**PORTUGUESE RISING**

Just a few years ago, UC Davis didn’t actively teach Portuguese. Today, the Department of Spanish has a thriving program and just launched its first summer abroad trip to Brazil. And while the department has come a long way in just a few years, the best is yet to come.

“We will have a big advantage with this program in the coming years, as we gain momentum and as many students realize that there aren’t too many departments with such strengths in teaching, research, and interdisciplinary work,” says Leopoldo Bernucci, a top-ranked professor of Portuguese and Brazilian studies, who also holds the Russell F. and Jean H. Fiddyment Chair in Latin American Studies.

Bernucci joined the UC Davis faculty just a year ago. His publications, along with those of Sam Armisted, one of the world’s leading medieval scholars, and of recent hires Robert Irwin and Mike Lazzara, all helped the Department of Spanish win top honors recently by a benchmarking study done by Academic Analytics, which ranked the department first for faculty productivity.

But while honors and publication are important, equally important is the better preparation of UC Davis students for the future. “We must give our students the background they need to get a job in Brazil or other Portuguese-speaking countries,” says Emilio Bejel, a professor of Spanish and former department chair. “We must address the real needs of the coming decades.”

**A DAY IN THE LIFE OF A DINOSAUR**

“Biology” may mean the study of life, but one breed of UC Davis geology studies the most lifeless of objects—rocks—to understand more about the planet and its past and present inhabitants. “Our program is unique in that we bridge biology and geology,” says Ryosuke Motani, associate professor of geology. These scientists study not just images of animals left by fossils, but the fossils as rocks themselves, hoping to unearth clues about the lives of the dinosaurs and other animals. For instance, Motani is studying ancient sea-dwelling reptiles. “Some of these air-breathing animals even became fish-shaped, just like dolphins did 150 million years later, as they became better cruisers in the water,” he says. “I’m interested in how the evolution of body design is constrained by the laws of physics that surround us.” You don’t have to be a paleobiologist, however, to play with a fossilized shark tooth or alligator skull, though. At www.3dmuseum.geology.ucdavis, anyone can manipulate 3D images of dozens of fossils, scanned in by undergrads.

**THE GENEALOGY OF MATH**

Can you name your intellectual great-great-grandparents? UC Davis computer scientist Bernd Hamann can. Hamann, also associate vice chancellor in the Office of Research, is not related by genetics to mathematician Carol Friedrich Gauss (1777–1855), but he’s linked to him by a chain of doctoral students and their advisors reaching back nearly 300 years. The American Mathematical Society’s Mathematic Genealogy Project (genealogy.ams.org) allows users to look up some 114,000 mathematicians from the 1600s to today and follow their “descendents”—the doctoral students they have mentored, their students, their students’ students, etc.
Sometimes, the link between the ideas of the past and present are clear. “There are three fundamental contributions Gauss made in differential geometry, triangulation and least-squares approximation, and these are very much alive in my own work,” said Hamann, who works on the visualization of large datasets using computer graphics. But perhaps the most important contribution of the genealogy project is the way it reminds professors and students alike of the fundamental importance of mentorship. Professor Abigail Thompson points to her postdoctoral work with Robion Kirby of UC Berkeley. “From Rob Kirby, I learned the importance of kayaking,” she says. “I learned that a very successful mathematician spends time doing things other than math.”

**THE NEANDERTHAL-HUMAN SPLIT**

While Neanderthals and humans once shared a common ancestor, the split from the stocky, hairy hominid group occurred 350,000 to 400,000 years ago, according to a new study by Timothy Weaver, assistant professor of anthropology. Weaver and his colleagues created a model to determine how long it would take “genetic drift”—random changes in DNA—to create the cranial differences observed between Neanderthal skulls and modern human skulls. The researchers crunched data from 2,524 modern skulls and 20 Neanderthal specimens to determine that the split occurred around 350-400,000 years ago. This timeline may help scientists determine which species may have been our common ancestor.

**WHY COLLEGE MEN HEAR “YES” WHEN WOMEN MEAN “NO”**

When a woman says, “It’s getting late,” as a way to stop or slow escalation of sexual intimacy, her male partner may hear, “Let’s speed things up,” according to new research by UC Davis communications professor Michael Motley. The study appeared in *Studies in Applied Interpersonal Communication* (SAGE Publishing, 2008), which Motley edited.

“The problem is that he is interpreting what she said by trying to imagine what he would mean,” if he said the same thing, Motley explains.

Motley’s research suggests that miscommunication is a significant reason why some 85 percent of college women have had at least one experience where a man has tried to escalate physical intimacy after she’s said stop. In one study, Motley asked women and men students to interpret “female resistance messages,” ranging from very direct (“Let’s stop this”) to very indirect (“I’m seeing someone else.”) Often men misinterpreted indirect messages, ascribing their own meaning to her words.

**WARHOL GIFT DRAWS MEDIA**

More than 23 print and broadcast reporters trekked to the Nelson Gallery at UC Davis in April for a first glimpse of more than 150 photos taken by artist Andy Warhol. The gallery was one of 183 academic art museums given a box of photos from the foundation’s archive of 23,543 pictures taken by the prolific artist. The gift was worth $188,550.

The photos included a combination of Polaroids, small color photos and large black and white photos, showing events the artist attended. Among the photos were Arnold Schwarzenegger’s wedding to Maria Shriver in 1986, rock singer Deborah Harry, and golf champ Jack Nicklaus.

“This is like time travel, to go back to those times and look over his shoulder and see where he was hanging out and what he was doing and what he was looking at,” says Renny Pritikin, the gallery...
HOBBLING HOBBITS

New research suggests that “hobbits”—the affectionate nickname for Homo floresiensis, the tiny, 18,000 year old skeleton found in Indonesia—probably couldn’t have walked as far as J.R.R. Tolkien imagined. Research presented earlier this year at a meeting of the American Association of Physical Anthropologists found that the Indonesian hobbit had unusually large feet for its 3-foot tall frame. These flat, clown-like feet probably would have limited its speed and created a high-stepped gait. The research countered speculation that the hobbit had a growth disease keeping it small. “It puts another nail in the coffin of the disease hypothesis,” UC Davis anthropologist Henry McHenry told The New Scientist in April. But the new research, he says, doesn’t solve the bigger mystery of where H. floresiensis originated.

UC DAVIS ANTHROPOLOGIST CALLS EVIDENCE OF FIRST AMERICANS CONVINCING

David Glenn Smith, a UC Davis anthropologist and geneticist who studies ancient human relics, called a new report on human settlement in America “a carefully designed and comprehensive genetic study.” The report by an international team of researchers studying DNA in fossilized human feces, claimed that people from Siberia may have reached North America at least 14,300 years ago, long before people were thought to have migrated across the Bering Straight. An ice age about 21,000 years ago lowered sea levels by hundreds of feet and turned the Bering Strait into a land bridge. But until the new study was released, the earlier people seemed to be the Clovis culture in New Mexico, who arrived closer to 13,000 years ago.

VISUAL WORKING MEMORY STORES HIGH-RES IMAGES

A new study by UC Davis researchers shows that our very short-term “visual working memory” retains a limited number of high resolution images for a few seconds. By showing volunteers a pattern of colored squares for a tenth of a second, then asking them to recall colors, researchers Steven J. Luck, professor of psychology and Center for Mind and Brain postdoctoral fellow Wei Wei Zhang determined that working memory acts like a high-resolution camera. The brain retains three or four images in high detail. However, unlike digital cameras, the brain cannot opt to store a higher number of lower resolution images. Visual working memory, Luck explains, helps us retain information for a short period of time. For instance, it helps you remember a phone number while you’re dialing or an address while you’re walking to a house. It also helps people solve novel problems, says Luck. People who can store more information in working memory have higher levels of “fluid intelligence,” he says.

HAPPY BIRTHDAY, SOLAR SYSTEM

UC Davis researchers have dated the earliest step in the formation of the solar system—when interstellar dust coalesced into mountain-sized chunks of rock—to 4,568 million years ago (give or take a million years). UC Davis postdoctoral researcher Frederic Moynier, working with assistant
professor of geology Qing-zhu Yin and graduate student Benjamin Jacobsen, analyzed meteorites made of the oldest material left over from the formation of the solar system, comparing its radioactive isotopes to those of meteorites of known ages. “We’ve captured a moment in history when this material got packed together,” Yin said.

**REINVENTING ENGLISH**

A decade ago, an eighteenth-century American literature specialist would have been unlikely to publish an essay on the relationship between literature and bee-keeping; and an American literature expert would not have been publishing on nanotechnology. But today, the study of English and American literature encompasses far more than words on a page, although that study—sometimes in languages other than English—remains important to teachers and students.

“Our thousands of students want to read works of literature in order to understand their own lives. We try to respond to that desire, but we also try to expand our students’ understanding of the ways in which the past shapes our lives today in some surprising, indeed counter-intuitive ways,” says English department chair Margaret Ferguson. Thus, many faculty members cross disciplinary borders to study the past in relation to the present—and the present in relation to the past. “Many English professors feel that in order to think about a better future, we should look critically at our present through the lenses provided by literary works initially produced in cultures different from our own. One thing we have tried to do,” says Ferguson, “is to connect the historical study of literature to the challenges our students face as they learn to communicate effectively in a linguistically and socially diverse society.”

With nearly 700 undergraduates majoring in English, the department is one of the largest in the College of Letters and Science. But there’s room for far more than traditional English studies. Professor Desireé Martin is using her fluent Spanish to complete a book called *Bordered Saints*, examining ideas about the U.S./Mexican border and about nationality. Professor Scott Simmon’s new 12-hour, 48-film DVD set, *Treasures III: Social Issues in American Film 1900 – 1934*, produced by the non-profit National Film Preservation Foundation, was listed as one of the “Top Ten DVDs of 2007” by the *New York Times*, *The New Yorker*, and *Time* magazine. And assistant professor Colin Milburn specializes in American literature but also teaches courses in science and technology studies.

“A number of our faculty are especially interested in exploring the relations between scientific and literary kinds of knowledge,” says Ferguson. “New areas of study, such as literature and the environment, or literature and food studies, or literature and medicine, are especially strong. Newcomers see unusual opportunities here for working across disciplinary boundaries.” Taken as a whole, she says, “The work expands our understanding of what ‘English Studies’ is now, has been, and might be in the future.”
$1 MILLION TO HISTORY

The History Project at UC Davis and the Solano County Office of Education have received $1 million from the U.S. Department of Education to improve history instruction in Solano County public schools, where only one in three students performed at or above the “proficient” level in U.S. history on the 2007 California Standards Test.

The three-year grant will enroll about 50 U.S. history teachers countywide in an “American History Academy” developed and administered by the UC Davis History Project and taught by historians at UC Davis and Solano Community College. Participating teachers will spend two years exploring America’s past and strengthening their teaching skills with guidance from such faculty as UC Davis history professor Alan Taylor, winner of the 1996 Pulitzer Prize in History. Participants will participate in seminars, book groups and online scholarly activities, and will attend two-week summer institutes on the UC Davis campus.

“The surest predictor of student achievement in history is a teacher’s knowledge,” said Ari Kelman, an associate professor of history at UC Davis and the project’s principal investigator. “The ultimate goal of the History Project is to grow a corps of teacher-leaders capable of training their colleagues and disseminating their materials and experience to the broader teaching community in their districts, counties and beyond.”
When Tim McNeil, director of the UC Davis Design Museum, took on the task of supervising the UC Davis Centennial Exhibit at the 2008 California State Fair, he and his committee confronted a daunting challenge: How to represent 100 years of achievement at UC Davis? Even 6,000 square feet seemed a small space to tell the story of more than 174,000 graduates, a story starting at a time when automobiles, telephones and radios were not yet common in households.

How to represent just how much things have changed? Among other objects, McNeil’s team chose a lacy white graduation dress from 1908, a giant walk-in brain with hands-on brain-training activities and 3-D visuals of the inside of the earth. But in the end, they found it was critical to focus as much on the future as the past.

“It’s important for us to look not just at where we’ve been, but where we’re going to go,” says McNeil.

Perhaps nowhere are those questions more pressing than in the College of Letters and Science, which educates the largest number of UC Davis undergraduates and touches nearly all students at some point. To help us understand where our society and UC Davis may be headed in the next 100 years, we asked prominent Letters and Science thinkers to look into their crystal balls.

A Changing World: The Next Century of Discovery

A century ago, it would have been impossible to predict the invention of the Internet or the prevalence of Bluetooth headsets. So it’s a tall order to predict what the future may hold.

Still, technical innovations and current advances suggest likely future developments. For instance, McNeil’s design team chose to emphasize innovations by offering a quick journey to the center of the earth: visitors to the state fair exhibit donned 3-D glasses to view Keck CAVES, a 3-D simulation which allows professors and students to take virtual “field trips” to deep underground areas. The caves are visually exciting, but also suggest how the graphic representation of data will change the way faculty, students and scientists think about the world in the coming century.

“Technology will play a valuable role in education, in the ability to test ideas through powerful simulations and in artificial environments,” says Jesse Drew, acting director of the technocultural studies program, an innovative major at UC Davis that explores the interaction of technology and culture.

Such simulations will also help environmental researchers understand the impact of global warming and other trends. The services that researchers like UC Davis’ Jeff Mount, director of the Center for Watershed Sciences, provide are invaluable to California’s future. Mount already understands more about the world thanks to increasingly sophisticated computer modeling, “With bigger, faster computers, we are gaining greater understanding about watershed processes and able to simulate what, just a few decades ago, seemed hopelessly complex,” he says. Such simulations may help answer a central question in watershed science: How to achieve sustainability in the face of continuing population growth — particularly in emerging nations. “The calamity that is unfolding in the developing countries should unnerve...
every watershed scientist in the world,” Mount says.

Mount’s work also suggests the challenges California will need to grapple with in the years ahead. “The Delta is undergoing or about to undergo (depending upon your perspective) a major change in state,” he says, with water levels expected to rise dramatically in the coming decades. “The Delta of the future will have little in common with the Delta of the 1800’s and surprisingly little in common with the Delta of today.” Californians in general, he says, will need to plan for changes in the water situation throughout the state. “We are undergoing a slow, irreversible transition from the view of water as a public resource to water as a public commodity. This transition means we will start paying more for water, reflecting what it is worth in our daily lives, and we will do much more buying and selling of water to meet changing demands.”

Physics: The Long-Term View

Technology will also change our understanding of the universe—perhaps sooner rather than later. In 2009, the Large Hadron Collider (LHC) will begin to collide particles much faster than ever before. Physicists like UC Davis’ John Conway, Maxwell Chertok, Robin Erbacher, Winston Ko, Mani Tripathi, and Richard Breedon suspect the collisions may produce many as-yet-unobserved particles, which may take decades of research to understand, and which could shed light on the nature of dark energy and dark matter—mysterious forces which make up most of the universe. “Personally, I am most excited about the prospect of supersymmetry, which predicts the existence of many new particles for high energy physicists to discover and study. The lightest supersymmetric particle is also a strong candidate for explaining dark matter,” Breedon says.

The LHC has taken years to build. Since 1992, UC Davis has played an important role in the LHC through its work on the Compact Muon Solenoid, one of the major detectors at the LHC. It’s likely to take just as long to puzzle out the results yielded by the LHC. “Research in high energy physics requires long-term global projects,” Breedon says. Another long-term project that promises to yield new understanding of our universe will be the Large Synoptic Survey Telescope, or LSST, which will scan the entire night sky every three nights for a decade, allowing astronomers to map how dark matter clumps in space and may yield insights into dark energy. The project, headed by UC Davis physicist Tony Tyson, is slated to begin work in 2014. “Dark energy is just a name for something we don’t understand,” Tyson says. “But it’s a sign that something is around the corner, some huge change in physics.”

Math and Physical Sciences Core to Future Education

As new simulations and equipment begin to yield massive amounts of data, quantitative skills will become even more important for the college student of the future—even those who don’t become scientists. “These days, every educated person needs at least some knowledge of statistics, because we are a data-driven society,” says Winston Ko, dean of Mathematical and Physical Sciences. “Even areas like biology, where students used to study one species, are now highly data-driven. People no longer look at one plant or animal, but look at systems and at the molecular level, and you need strong quantitative skills to make sense of a whole system.” Because this need
for numbers will become only more pressing in the coming decades, UC Davis is likely to add quantitative skills to its core education requirements.

At the same time, the college and the university will encourage more students to enter math and science majors in the future.

“We’re going to work hard to get students interested in science and math, because the lack of those graduates is a lingering problem for the state of California,” says Jim McClain, associate dean for undergraduate education and advising. That may include adding new majors. For example, the physics department recently added an emphasis in astrophysics. At the same time, however, McClain anticipates a rise in creative majors, from performing to writing.

But changes in undergraduate majors are likely to go much deeper than English majors taking more math, and math majors taking more literature. In fact, says Jesse Drew of Technocultural Studies, all disciplines will increasingly cross-pollinate in the future.

“The barriers between disciplines will continue to blur as it becomes more and more clear that true knowledge is extremely interdisciplinary,” says Drew. “Specialization will remain important, but it will also be clear that such specialization is enhanced by a broad understanding of the world. The language of biology, computer science and humanities increasingly overlap and will continue to do so. The university will be central to this mission.”

Meanwhile, sustainability will become a central issue in more and more majors, from watershed science to design. “Sustainability has been part of design for a long time, but recently, it’s grown exponentially,” says Tim McNeil. “There’s a growing feeling in the design community that we’re responsible for specifying materials and the way things function, and we have the power to change those. Ultimately, designers — whether they’re architects, fashion designers or graphic designers — are the ones who know how to make things that last longer or are made of materials that are environmentally friendly.”

That consciousness is leading design students to think not just how things look or what they’re made of, but the business processes involved in their manufacture. “So, if a student is thinking about the design of a chair, they’re also thinking, ‘I want to design it to be broken down into its components and recycled. I don’t want glue, I want it fastened so I can remove plastic, upholstery, metal and each can be individually recycled,’” McNeil says. This expanding view of design means students will need a broader understanding of business, manufacturing, technology and other fields outside traditional design.
That’s exactly what’s happening at the California Lighting Technology Center (CLTC), a partnership of UC Davis and the California Energy Commission, which conducts research into new lighting technologies and offers outreach and educational activities with electric utilities, lighting manufacture, lighting professionals and government agencies. Earlier this year, CLTC licensed new technology for daylight harvesting, which adjusts indoor lighting to match changes in ambient daylight, to two energy-efficient lighting manufacturers. The new systems reduce the cost and improve the reliability of systems by letting them automatically calibrate themselves continuously.

Such automated, digital lighting controls, as well as lighting from so called “solid-state” sources like light-emitting diodes (LED) or polymer light-emitting diodes (PLED) promise to reduce energy usage in the coming decades. “The future belongs to digital controls and solid-state lighting,” says Konstantinos Papamichael, associate director of CLTC.

Beyond the Book: The Changing Classroom

Visitors to the UC Davis Centennial exhibit at the 2008 state fair saw a stack of books stretching from floor to ceiling. “We wanted people to say, ‘Wow, there’s a lot of knowledge being produced here,’” says Tim McNeil. But a century hence, at the 2108 state fair, that tower of books may be replaced with a pile of cell phones, laptops or electronic books.

“There will be more reliance on online publishing and perhaps less on actual hard-copy text books,” says Jim McClain. Already, textbook publishers provide professors with PowerPoint slides or CDs or websites offering supplemental material. Such interactive text material will only become more common as virtual classes catch on. “We already offer some classes, like statistics, as virtual courses,” says McClain. “As energy prices go up, students will be looking for ways not to drive to campus every day.” That may be even more of an issue as the age of the student body shifts: McClain says that the flood of high school graduates, which led to record high freshman classes in recent years, has reached its peak, and that future undergraduates will increasingly be transfer students or other older pupils, who may have additional demands on their time.

As classrooms become virtual, so will academic work and publication. In February, the UC Davis Humanities Institute sponsored a conference called “Beyond the Book: Humanities Scholarship in the Digital Age,” stressing new uses of the Web and electronic resources in research, as well as new multimedia ways to present academic research, through the use of archival databases, interactive structures, networking software, text, images and sound. “In five or 10 years, electronic publication of some sort will be mainstream for humanities scholars,” says Carolyn de la Peña, director of the UC Davis Humanities Institute and director of American Studies.

Still, don’t expect books to disappear completely. “We’ve discussed going exclusively online for course catalogues,” says McClain. “But students say it’s handy to have a paper copy. You can leaf through it and explore much more easily than you can online.”
Service Above Self

But at the same time technology will transform the classroom, human contact will become increasingly important. “Creativity and inspiration are stimulated by personal interaction,” says Jesse Drew. “Technologies do not take the place of assembling a critical mass of creative people in one place.”

That’s one reason why students and faculty are focusing more on service to the broader world. By reaching outside the university to help others, members of the university community find themselves inspired and renewed.

“The reason I first decided to start working with Davis Bridge four years ago is because I saw it as a way to relieve stress and go out and help students who needed my help,” says UC Davis undergraduate Alberto Botello, one of about 100 volunteer tutors for Davis Bridge, a program offering academic support for low-income elementary students in the Davis area. Founded by student Janet Boulware in 2004, the project grew out of Boulware’s senior research project focusing on academic achievement of Latinos in the Davis Joint Unified School District. While Botello started volunteering as a release and to help others, his work has helped him discover his own career direction: He hopes to enter teaching or counseling.

Many other members of the UC Davis community are involved in service to the broader world, a trend likely to strengthen in the coming decades. For instance, the Marchand web site—subtitled “A History Teacher’s Bag of Tricks”—offers invaluable, free support to K-12 teachers everywhere. The web site, based on the photo collection and lesson plans of Roland Marchand, who taught U.S. history at UC Davis from 1964 until 1997, makes available nearly 7000 carefully catalogued US history images. The web site recently won a National Endowment for the Humanities grant, which will al-

James Crutchfield, Professor of Physics

“I think, more sooner than later, we will see generally intelligent computational systems, based on self-organizing processes. But it won’t be in the form you think it will be in; it will be something completely different. The confluence of systems, computational power and new ideas in modeling and statistics will create some powerful algorithms. The ‘smart machines’ will launch a completely new era for all of us.”

Tim McNeil, Director, Design Museum and Assistant Professor of Design

“I’m really excited about the move to process-based design, where you’re thinking about what you’re designing from the outset. Designers are really beginning to question from the outset, when they design something, what is it going to be made out of, how will it be put together and where will it go when someone’s finished with it. William McDonough’s book, Cradle to Cradle, encouraged designers to start thinking about the life of something, not just the impact it will have now but in the future. That’s really beginning to permeate the way designers work.”
low the site to add sample lesson plans for teachers, as well as collections of other faculty members, to help improve the teaching of history. “In 2003, the site received over eight million visits, accounting for about 25 percent of all web traffic directed to UC Davis, excluding Shields Library,” says Nancy McT ygue, director of The History Project at UC Davis, which supports K-12 and college history teachers in the greater Sacramento area. “By June 2006, the site had received more than 17 million visits from over 300,000 users.” In turn, many of those visitors used the site’s materials to educate their own students: Multiply that effect by another 100 years, and it’s clear that service at UC Davis has a long-term impact on the state.

Looking Back to Look Forward

Projects like the Marchand website, which benefit a far larger community than UC Davis students and faculty, demonstrate the valuable role UC Davis has played in the past and will continue to play in the future, in confronting challenges to the state and nation.

“It’s always dangerous to draw lessons from history because every era is different,” says history professor Louis Warren. Still, he points to the late 19th century and early 1900s, when the state and nation faced enormous changes to the economy and the population. In that era, the state embraced new immigration trends and economic developments through public investments, including the UC system, which has helped shape the state as it exists today. “Without a vibrant UC, the state of California as we know of it would cease to exist and become something completely different,” says Warren. “The UC is absolutely central to the future of whatever California is going to be.”

With any luck, that’s exactly what the state fair exhibit in 2108 will reflect.

GEORGE R. MANGUN, Interim Dean, Division of Social Sciences, Director, Center for Mind and Brain

“I believe that the most important advances will be made in understanding how the combination of genetics and environment shape brain function to produce cognitive and emotional functioning in humans. In particular, we will make great advances in dissecting the contributions of these factors to individual mental abilities and personality. Work across the spectrum from molecular biology, neuroscience and engineering to psychology and the social sciences are fueling this revolution through interdisciplinary research. These basic science findings about what makes us human and different from one another will also lay the foundations for addressing how major psychiatric and neurological disorders arise, as well as why people like Stephen Hawking, Yo-Yo Ma, Gabriel Garcia Márquez, Toni Morrison and Barack Obama are who they are and so captivate our imaginations.”

JIM MCCLAIN, Associate Dean, Undergraduate Education, College of Letters and Science, Professor of Geology

“One can see where the technology of teaching is changing, but it’s a much more complicated thing to predict how the audience for those technologies—the students and professors—are going to change. On the technology end, we’re going to see more virtual classes, high tech classrooms and high tech courses, although we don’t necessarily know yet what the most successful forum for these will be.”
DONORS
Making a difference

PRINTS FROM THIEBAUD A TREASURE FOR EDUCATION
Art Professor Emeritus Wayne Thiebaud and his wife Betty Jean have donated 19 hand-worked prints to the Richard L. Nelson Gallery and Fine Arts Collection, a gift valued at $860,000. The gift includes one image, Cakes and Pies, which will become one of a suite of posters used to commemorate the campus’ centennial celebration.

The gift is one of the largest that the former professor and famous artist has given to the campus and one of the most valuable the university has received. And it will be an invaluable resource in the study of art.

“The mission of the Nelson Gallery and Fine Arts Collection has from its earliest days emphasized the work of Northern California artists, especially of the past 50 years,” said Renny Pritikin, director of the Richard L. Nelson Gallery and Fine Arts Collection. “This commitment has been echoed in the early planning documents for the new UC Davis Museum of Art. With that commitment it is crucial to have as representative a collection of Thiebaud’s work, as he is the region’s most acclaimed artist of that time period. This gift increases our holdings considerably, updates them, and upgrades their overall quality considerably. This gift solidifies, along with our Whistler collection, the recent Warhol gift, our slant step archives, our Naumans, and others, the reality that UC Davis owns a great amount of internationally significant artworks.”

The prints will be available for public viewing next year in an exhibition by the Nelson Gallery.

SOCIAL SCIENCES PUBLIC LECTURE SERIES FOUNDED BY OUTGOING DEAN
Steven M. and Anjali Y. Sheffrin have donated $53,000 to establish an endowed fund to create an annual lecture series known as the Sheffrin Lectures in Public Policy. Topics for these public lectures will range on a broad manner of subjects related to the social sciences, the breadth of which allows for interesting research to be presented, and prominent practitioners in a variety of fields to visit. The lectures will have broad appeal, and they will be of interest to faculty, students and the general public. Because the fund was created as an endowment, any money left over each year can be used for student research, another benefit to the gift.

“We have both been involved in applying the social sciences to public policy issues throughout our careers. They are the most challenging issues we face today. The speaker series will hopefully stimulate interest in public policy for a wide range of UC Davis faculty and students.”

—Anjali Y. and Steven M. Sheffrin
GIFT FROM JACKSON INFUSES MUSIC RECITAL HALL PROJECT

Barbara K. Jackson, whose gifts have benefitted faculty, students and the Mondavi Center (she and her husband named the hall at the Mondavi), has pledged $350,000 to the new Music Recital Hall, scheduled to break ground in 2009. Her love of music, and longtime support of the arts, have made a significant impact on the university. Her latest gift will do the same. The Music Recital Hall will be both a teaching and performance space for musicians and students of music.

“Barbara’s gift will help transform the Music Recital Hall in countless ways,” said Maureen Miller, assistant dean for college relations and development. “The hall will be an important place for students, teachers and everyone in the region to enjoy the amazing acoustics and beautiful music.”

Jackson, who is also an active member of the college’s Deans’ Advisory Council, is one of the most generous patrons of the arts in Northern California. Both she and her late husband, W. Turrentine Jackson, who was a professor of history at UC Davis, have been active backers of the UC Davis Symphony Orchestra and Department of Music. An award-winning costume designer and wardrobe mistress, she has volunteered for the Sacramento Opera and local theater groups for 40 years. She has also served on the UC Davis Foundation Board of Trustees and is the recipient of the Charles J. Soderquist Award.

STUDENT GIVES TO “DREAM” PROGRAM

Mario Ernesto Lopez, who graduated last year with a major in political science, has given $100 to the UC Davis Washington Program, and with his matching gift from Union Bank of California, he hopes the $200 will help the program that helped him as an undergraduate.

“Last year, I was very fortunate to have received a scholarship from the Washington program that enabled me a once-in-a-lifetime opportunity to not only work and study in our nation’s capital, but to also achieve a dream of interning in the United State Senate,” Lopez said. Lopez interned for California’s senator Dianne Feinstein.

And Lopez vowed to continue to give to the program. “While my donation is only a small token of what I received last year, it is only the beginning of my commitment to donate money each year for student scholarships,” he said. “Scholarships help bridge the financial gap for future students to achieve their dreams and aspirations.”
Youth in the rural community of Northern Calaveras County probably didn’t realize the impact they could have on UC Davis English professor Michael Ziser. But their multi-media stories about life and community renewal in this economically challenged region truly changed him. Ziser's own work on literary bioregionalism examines the importance of place in 19th century literature. As a faculty fellow for “Up From the UnderStory,” the pilot project of the Art of Regional Change (ARC) initiative, a collaboration between the UC Davis Humanities Institute and the Center for the Study of Regional Change, Ziser saw an opportunity to bring his literary expertise to the community story-telling project in Calaveras County. But what he didn't anticipate was how much his experience working with the youth in that region could inform his own thinking and teaching.

According to Ziser, “Participating in the ARC initiative was personally very gratifying; I have rarely felt so certain that my knowledge and the university’s resources were being used in a way that made good on the UCs (and my) responsibilities to the general public.”

Ziser's story is not unusual. Humanities scholars who partake in projects at the UC Davis Humanities Institute often find themselves, and their work, changed by their experience. And this is just what the institute strives to do. The UC Davis Humanities Institute is at its core a center for humanities scholarship, collaboration and public engagement, says Carolyn de la Peña, the institute’s new director.

“One of the most exciting aspects of the Art of Regional Change initiative, directed by jesikah maria ross, is that it enables us to work directly with young people on issues vital to them and to the region. It is so important for us to reach out to junior high and high school students, who are tomorrow’s humanities scholars,” says de la Peña. “We want them to find their own paths, and possibly understand that work in the humanities can help them get there. And youth in the Central Valley, particularly, will help shape the future of our state.”

Bringing cutting edge humanities scholarship to new and different audiences is at the core of the institute’s mission. When de la Peña took the helm last fall, she teamed with history professor Eric Rauchway to create the Public Intellectuals Forum, a series of “conversations” with guest speakers on current events, politics and contemporary culture. Now in its second year, the Public Intellectuals Forum is held at Bistro 33, a popular restaurant located in Old City Hall in Davis. This downtown location is key to bringing longtime Davis residents into conversation with university faculty and students, and the result has been a powerful exchange.
of ideas amongst all of the groups. Building on this early success, next year's line-up will explore a range of topics from the world of bloggers to creative campus-community collaborations.

“We’d love to see more of our UC Davis alumni attending next year’s events,” says de la Peña. “The Public Intellectuals Forum gives alumni a venue to connect their UC Davis education to current events and their own life experiences and to share that with other members of the community and the university. It’s true lifelong learning.”

Encouraging innovative interdisciplinary research is the second key focus of the UC Davis Humanities Institute. Each year, the institute hosts two faculty research seminars. Humanities faculty members select the topics to explore, and the institute provides the place and resources for the work to be done. In the fall, a group of professors from such disciplines as history, classics, religious studies and art history will be working on “Science and the Sacred,” a crucial issue given the recent resurgence of religion as a political and cultural force around the world. In the spring, under the auspices of the institute’s California Cultures Initiative, a second interdisciplinary faculty group will focus on defining California and our region, exploring such diverse issues as migration, immigration and transnational flows, changing notions of community and citizenship, youth culture and juvenile delinquency, and popular culture, including music and film.

The UC Davis Humanities Institute also hosts seventeen research clusters to encourage faculty and graduate student collaboration. Topics range from the more “classic” lines of study such as eighteenth-century studies to more “modern” areas of research in technoscience, culture and the arts. In all the research areas, relevance to today’s world is crucial. Jennifer Langdon, associate director of the institute, believes this relevance is what moves the study of humanities into the future, from scholars to students and out into the world. In a university driven by science, demonstrating the relevance of the humanities can be challenging but is necessary.

“How the humanities scholars here at UC Davis approach today’s issues is vital for all of us,” says Langdon. “A humanities scholar’s perspective on environmental issues, for example, is important to scientists and to those creating public policy. The lens offered by humanities scholars helps all of us better understand and deal with these challenges.”

Under the new leadership of de la Peña and Langdon, who took their positions last year, the institute is focusing on making it easier for faculty to receive the resources they need to conduct humanities research. This includes assistance with grant writing and expanding the numbers of faculty who participate in collaborative research clusters and quarter-long research seminars.

For Jessie Ann Owens, dean of the Division of Humanities, Arts and Cultural Studies, the translation of the scholars’ research to students and the larger public is vital to the success of the institute and the university. “The work doesn’t stop at the end of a quarter or when the research seminar winds up. There is no line to where the research ends and teaching begins,” says Owens. “Research undergirds the public face of their work, and humanities faculty must translate its relevance to the students they teach and the communities they engage with. This work is important to all of us as global citizens.”
Frank Child
Economics Professor
Frank Child, 86, former UC Davis professor of economics, died in January in Santa Cruz of congestive heart failure. Child chaired the economics department from 1963–1980. During that time, he led a grassroots movement to establish the city of Davis’ outstanding bike path system. The successful campaign led to the 1966 ouster of Davis City Council members who had allocated funds to a downtown parking lot, and the election of a new pro-bicycle council. In 1967, the nation’s first bike lane opened in Davis, and the system expanded throughout the 70s, 80s and 90s. Child left UC Davis in 1983 to become dean of social sciences at UC Santa Cruz, where he retired in 1987.

Yuri Druzhnikov
Russian Literature Professor
Russian literature professor Yuri Druzhnikov, 75, died in May after a long illness. Druzhnikov taught at UC Davis for 19 years, after the former Soviet Union banished him for his dissident writings. A frequent target of KGB investigations, Druzhnikov was threatened with imprisonment in 1985, but was saved by an international outcry from human rights organizations and western writers, including Kurt Vonnegut and Arthur Miller. Expelled from the USSR, he came to the U.S. in 1987 and joined UC Davis the following year. Author of 11 books, Druzhnikov was nominated for the Nobel Prize in Literature in 2001. “Yuri was the most gentlemanly and the most amiable colleague you could possibly imagine,” said Winder McConnell, director of the German and Russian departments. Druzhnikov’s life was commemorated in an event at the University Club in May.

Richard Gable
Political Science Professor Emeritus
Richard Gable, professor of political science, passed away in February of 2008. A member of the Academic Senate and former chair of the UC Davis Emeriti Association History Committee, Gable also chaired the UC Davis History Project. Under his leadership, the project produced the first book-length narrative about UC Davis, Abundant Harvest: The History of the University of California, Davis, by Ann Scheuring, ’76.

Greg Jacobs
Political Science Major
UC Davis senior Greg Jacobs, 21, of San Diego, was killed in a weather-related traffic accident last December when the car he was riding in skidded off Highway 70 near Quincy.

A popular volleyball player whom family and friends describe as easygoing, gentle and witty, Jacobs planned to join the Peace Corps after graduation. “He had a real quiet confidence about him,” said Joey Elftmann, UC Davis’ volleyball coach. “He wasn’t very outspoken, but his personality was so charismatic.” Memorial services were held in January in San Diego and Davis.

John Finely Scott
Sociology Professor and Mountain Bike Pioneer
In December, a local handyman with a criminal record was convicted for the first-degree murder of retired sociology professor John Finley Scott, who was killed in his home outside Davis in 2006. Scott, 72, was credited as the “father of the mountain bike.” In 1953, he added balloon tires, flat handlebars, derailleur gears and cantilever brakes to a Schwinn frame, creating what he called a “Woodsie bike.” The bike represented a major step in developing and popularizing all-terrain bikes.
COMMEMORATIVE CENTENNIAL POSTERS ON SALE SOON

The centennial celebration prompted many new projects, one of them a set of commemorative posters which will be available for sale through the UC Davis Centennial website this fall. The College of Letters and Science worked with the three campus museums (Richard L. Nelson Gallery and Fine Arts Collection, Design Museum, C.N. Gorman Museum) to create over a dozen posters. To learn more, please go to: http://centennial.ucdavis.edu/, and check the site throughout the year as more posters are added.

PUBLIC INTELLECTUALS FORUM

A new year of the Public Intellectuals Forum is beginning. The sponsors, the UC Davis Humanities Institute and the Center for History, Society and Culture, seek to bring important topics to discussion in locations that are accessible to the general public. For more information, go to: http://www.chsc.ucdavis.edu/events/upcomingevents/ or http://dhi.ucdavis.edu/?page_id=651

The 2008-09 series dates, all free and open to the public and located at Bistro 33, Historic City Hall, 226 F Street in Davis, are:

October 14: Scott McLemee on “Sex, Socialism and Self-Education”

November 6: Arlene Davila on the impact of Latino voters

February 17: Nancy Cantor on creative campus-community collaborations

March 13: Mark Lilla on religion and politics in the 21st century

Spring date TBA: Henry Louis Gates, Jr., one of 1997 Time Magazine’s “25 Most Influential Americans”
MAJOR ANNIVERSARIES FOR DEPARTMENT OF MUSIC AND FAREWELL SEASON FOR CONDUCTOR

The UC Davis Department of Music’s upcoming season celebrates multiple (and musical) milestones. Noteworthy UC Davis Centennial events include the UC Davis Symphony Orchestra’s (UCDSO) 50th Anniversary Golden Jubilee Gala concert on November 23. In addition, the University Chorus, Alumni Chorus, and UC Davis Symphony Orchestra continue their annual partnership with a bicentennial birthday performance of Mendelssohn’s “Elijah” on March 8, 2009. The department will be celebrating the longstanding work of one of its finest conductors, D. Kern Holoman, as he steps down from his post as conductor at the end of the season in June of 2009. Tickets are available at mondaviarts.org.

ON THE SCENE

With 55 departments, the College of Letters & Science events commemorating the centennial are numerous. Listed below are a few of the highlights. For a complete list, visit the Letters and Science centennial celebration website by going to: www.ls.ucdavis.edu.

Teaching with Evidence: Faculty Gifts from the Design Collection

DATES: September 25–December 5
LOCATION: Design Museum

From traditional textiles to contemporary wearable art, this exhibition highlights the significant artifacts donated to the Design Collection by the UC Davis faculty, that have inspired teaching and research activities during the history of Design Program. This collection has grown in tandem with design education at UC Davis, and demonstrates the evolving attitudes toward conserving, researching, and interpreting material cultures in today’s multifaceted world.

Three One-Person Shows

DATES: September 25–December 7
LOCATION: Richard L. Nelson Gallery

Three one-person shows at the Nelson featuring Laura Breitman, Camille Utterback and Lauren Davies.

Lee Marmon: Master Photographer

DATES: October 2–December 5
LOCATION: C.N. Gorman Museum

Lee Marmon, known as “the blue-eyed Indian,” is one of America’s most renowned Native American photographers. As early as 1947, Marmon began his career photographing elders and members of his community and for over fifty years, he has continued to visually document the people of Laguna Pueblo, New Mexico. Marmon’s work has been exhibited nation-
Lee Marmon, White Man's Moccasins, 1954

ally and internationally, and his diverse portfolio includes work with Columbia Pictures, official photographer of the Bob Hope Desert Classic for eight years, a commission for the White House in 1972, and most recently photographing for the American Indian College Fund. The exhibition will feature photographic prints from throughout his career.

Creative Writing Faculty Reading
DATE & TIME: October 9; 7–9 p.m.
LOCATION: Arboretum

Fiction writers Pam Houston, Lynn Freed, Lucy Corin, and Yiyun Li reading from their works, with poets Joshua Clover, Joe Wenderoth, and Sandy McPherson reading as well.

College of Letters and Science Open House – Centennial Celebration
DATE & TIME: October 10; 4:30-6:30 p.m.
LOCATION: University Club

On October 10 UC Davis schools and colleges will stage concurrent receptions to commemorate the centennial. The College of Letters and Science invites you to an open house, to learn about the college and celebrate the campus centennial.

Tree Walk
DATE & TIME: October 11; 4 p.m.
LOCATION: Voorhies Courtyard

Marijane Osborn, an expert on medieval literature and an expert gardener, created a lovely rose garden in the Voorhies Courtyard with roses named after famous literary women (the Garden has a pamphlet called “The Garden of Ladys” authored by Professor Osborn). She has volunteered to lead a “tree walk.”

“What We Do and Why We Do It: a roundtable discussion on 100 years of Art History”
DATE: October 14
LOCATION: Art 217 with reception to follow in Visual Resources Facility, Art 203

To commemorate the Centennial, the 40th Anniversary of the Art History MA Program, and the planning of a Graduate Group in the History and Critical Theory of Visual and Media Arts, panelists will discuss the past, present and future of art historical research.

“The Teller Fest:” A workshop honoring the 2007 retirement of Emeritus Professor Paul Teller from the Department of Philosophy.
DATE: Friday, October 17 and Saturday, October 18
LOCATION: Philosophy Library, 1231 Social Sciences and Humanities Building

Reflecting Professor Teller’s ongoing broad interests in philosophy, papers will be presented on a wide range of topics.

Freeman Dyson from the Institute of Advanced Study, Princeton
DATE: October 27
LOCATION: TBD

Theoretical physicist and mathematician Freeman Dyson will visit UC Davis on October 27. He is best known for his work in quantum mechanics, solid-state physics and nuclear engineering. This talk is part of the Physics Centennial Lecture Series, which is supported by the offices of the Chancellor and Provost, the dean of the Division of Mathematical and Physical Sciences, as well as private donations by the physics faculty. For more information, go to http://www.physics.ucdavis.edu/.

#5 The Angry Red Drum
DATES: November 21–23 and December 4–6
LOCATION: Main Theatre

In November, playwright and fall quarter Granada Artist-in-Residence Philip Kan Gotanda will direct the first staging of his latest play, #5 The Angry Red Drum, a work-in-progress. It is the story of two brothers separated in their youths. They meet again by chance encounter and attempt to reconstruct the story of their lost brotherhood. The performance is part of the Department of Theatre and Dance’s 2008–09 season. Tickets may be purchased in advance at the Mondavi Center Ticket Office, www.mondaviarts.org.
**UCDSO Centennial/Jubilee Gala Repertoire**

**DATE & TIME:** November 23; 8 p.m.
**LOCATION:** Jackson Hall, Mondavi Center

The concert features violinist Jorja Fleezianis (concertmaster of the Minnesota Orchestra) and the University Chorus.

**California Lighting Technology Center Lighting Installations Ribbon-Cutting**

**DATE:** Winter, 2009

Look out for information on the Letters and Science website for a celebration of new energy-efficient lighting in the parking structures at UC Davis. This revolutionary lighting system includes motion-sensor lighting for drivers wishing to park at night and introduces new thinking about how to light any home or business in a more energy-efficient and cost-savings manner. Demonstration of installation and energy monitoring.

**Typography as Science: The Work of Simon Johnston**

**DATE:** January 15 – March 20, 2009
**LOCATION:** Design Museum

Patricia Turner presents new book on African American Quilters

**DATE AND TIME:** February 26, 2009; 12–1 p.m.
**LOCATION:** 2215 Hart Hall

Patricia Turner, the Vice Provost for Undergraduate Education will speak on her new book: *Crafted Lives: Stories and Studies of African-American Quilters*, University of Mississippi Press, 2008

**Jasperse Choreography World**

**DATES:** March 6-8 and March 13–15, 2009
**LOCATION:** Main Theatre

In March, the winter Granada Artist-in-Residence John Jasperse creates and directs a brand-new choreography, to be announced. The performance is part of the Department of Theatre and Dance’s 2008–09 season. Tickets may be purchased in advance at the Mondavi Center Ticket Office, www.mondaviarts.org.

**R. Bryan Miller Symposium featuring Stuart Schreiber**

**DATE AND TIME:** April 3, 2009
**LOCATION:** ARC Ballroom

The Miller Symposium honors the memory of Professor R. Bryan Miller and his impact on research and education in the chemical sciences. This annual symposium includes five scientific speakers and a plenary lecture over the course of a day-long program.

**Design By Design: Annual Survey of Student Work**

**DATES:** April 11–June 19, 2009
**LOCATION:** Design Museum

The UC Davis Design Museum will acknowledge the history and accomplishments of the Design Program within the larger context of the university throughout the 2008–09 Centennial year. A graphic time line will accompany each of the exhibitions either in the museum space or as a related element available on the web site.

**Rodgers & Hammerstein’s OKLAHOMA!**

**DATES:** May 2–3, 2009, May 8–10, 2009
**LOCATION:** Jackson Hall, Mondavi Center

A UC Davis centenary event and joint production between the departments of music and theatre and dance; music by Richard Rogers; book and lyrics by Oscar Hammerstein; based on the play “Green Grow the Lilacs” by Lynn Riggs; Mindy Cooper, director and Granada Artist-in-Residence; David Moschler, musical director, with the UC Davis Symphony Orchestra. Tickets may be purchased in advance at the Mondavi Center Ticket Office, www.mondaviarts.org.
The Spirit of Everest

BY AMANDA PRICE

“I am a little uneasy with all of this recognition,” said Tanner Bixler, an economics student who just returned from climbing Mt. Everest in May. Ten days after his successful summit, Bixler was already featured in the media, his story grabbing the attention of millions. The fact that he is 20 years old may have been part of the reason that so many took interest – he is within the top twenty youngest Westerners to successfully summit Everest, and most likely the youngest of the almost 300 to summit this year.

But his age is the last aspect of his Everest story that he wants to share. He does want to share his Everest experiences so he can try to help change the paradigm that the Sherpas, the Himalayan people who really help individuals like him climb Everest, are largely considered utilities to the summit, and not the focus of success.

“The people who never get talked about are the Sherpas,” he said. “I saw first-hand the poverty that they live in, and I just want to do everything I can to help them. They help so much, and get very little for it.”

There’s no getting over the fascination that humans have with Everest, the tallest mountain in the world. Nested between Tibet and Nepal, the 29,035 foot mountain bids the toughest ascent a climber can tackle. And not many can do it successfully. There are threats from the base of the mountain (constantly moving ice falls) all the way up to the top, where the air is so thin, that humans can only stay a few hours or risk certain death.

Bixler, who is a trained EMT, firefighter and experienced climber (he summited Mt. Whitney at the age of 10), went to Mt. Everest fully knowing the dangers it held. But the thrill of the mountain called him, and he went, expecting a tough climb but feeling ready.

But what he didn’t expect was the impact that those who live on the mountain would have on him. His harrowing climb stripped him of his strength, even his sense of self. But he was enlivened, physically and emotionally, by the people who helped him and surrounded him in that time. He came back changed, he says, and it’s evident by the enthusiasm in his voice as he speaks about his climb.

It was Sherpa Ang Namgyal who went with Bixler on his final push up Everest. It was Sherpa Ang Namgyal who barely cried out in pain when a rock hit both of them in the icy wilderness of Everest, nearly breaking Bixler’s arm and hitting Ang Namgyal in the calf. It was Namgyal who cleared Bixler’s mask that had frozen onto his face in the minus 50 degree temperatures at the top of the mountain.

“I am completely humbled by the experience,” said Bixler. “In all of the years I’ve climbed, I’ve never met such a wonderful people.”

The spiritual journey for Bixler began as he climbed to Base Camp. He visited monasteries, and wears proudly the beads that they gave him around his neck. He got to know the stories of the people who live on Everest and he became attached to many of the Sherpas who helped
him along the way up and down the mountain.

When Bixler was able to make a phone call after returning to Base Camp from his summit bid, he only remembers calling his family and was frantic that no one was able to call him back. “I wasn’t myself. I left these incoherent messages for them. When I got home and listened to the messages, I couldn’t believe it was me. The mountain took so much out of me, I don’t remember much at all.”

But even with his traumatic climb, Bixler still feels the spirit of the mountain lies with the Sherpas and the people who live on the mountain. “I am so changed,” he said. “I wish I could do so much for the Sherpas. I’m only $25,000 in debt, but in a country where my opportunities are endless. But they have nothing. Their children play with rocks as toys. And yet they are the happiest people in the world. They always smile, even in hard climbing days such as the ice falls or summit days.”

Now, back at home, with a little distance from his climb, Bixler’s intent on helping the Sherpas and their families is even stronger. They saw him through an experience that exhausted him, emotionally, spiritually and physically. And, he says, he wants everyone to know that their generosity can make a difference in the lives of the Himalayans, enabling more Everest dreamers to try to summit for decades to come.

When he got to his home in Southern California, fresh off the plane, Bixler did erase those messages he’d left for his family. “I will never go back to climb Everest,” he says. “But I do want to help the Himalayans, and the best way to do that is through the Himalayan Foundation.”

And, now that he’s back in Davis, he’s returned to his three jobs, one of which is firefighting, a career he will pursue when he graduates. “I just want to help people, and I get to do that with firefighting. I can’t wait.”

EDITOR’S NOTE: To see more photos from Bixler’s climb up Everest, including the Himalayans, go to www.ls.ucdavis.edu. To support the people who helped him make his climb possible, enabling future climbers to do the same, make a donation to the Himalayan Foundation, www.himalayan-foundation.org.
Meeting the Mountain

UC Davis senior economics student Tanner Bixler’s climb was similar to others at Everest...in some respects. From Base Camp (an established camp at 17,700 feet with medical care, full communications with the rest of the world, showers and hot food), climbers trek to Camp I, then Camp II, III and finally IV, before getting to the summit. But this year was different for Everest from the start. The 2008 Olympic torch held off all climbers from beginning their summit attempts in early May. The Chinese government felt it important to take the 2008 Olympic torch up to the top of Everest as it made its journey around the world. Communications were cut off, and the 300 climbers waiting for the weather to be ideal for summiting had to wait until the torch was up and back. By the time this happened, it was late May, with the summit window nearly closed.

In late May, Bixler began his ascent. At Camp III, Bixler felt he couldn’t get enough air and troubles with his mask left him to abandon oxygen as he ascended to Camp IV.

With four Sherpas and four other climbers (including world-renowned adventurer Sir Ranulph Fiennes), Bixler left Camp IV on May 23 at 8:30pm. Falling rock, ice, minus 50 degree cold, and avalanches are only the physical elements of the Everest climb that make it so tough. The lack of oxygen Bixler experienced made him hypoxic (a state in which the body is starved of oxygen in the blood, particularly affecting the brain). “Only the moon and stars, and a small light on our heads lit the way,” he said. “It was a lonely feeling. I was always within arm’s reach of another climber, but I never felt so alone.”

As Bixler ascended from Camp III to Camp IV, he was happy to find that a member of his team on the way down could give him his mask. The new mask helped, but wasn’t the powerful blast of air he’d hoped for. At 6’1”, Bixler’s height was proving to be a disadvantage for the effectiveness of oxygen. Shaking, cramping and exhausted, with barely enough air, he continued to the summit. His EMT training helped him as he diagnosed himself on the way up. He knew he’d have the energy to summit, but he also knew it was the descent that was almost more important.

Summit Day for Bixler turned out to have a record number of climbers at the top, nearly 70. It’s not a record that Bixler enjoyed though, because having so many climbers on the top meant that many on the way down, in areas where climbers wait in the freezing cold and thin air on a rope to single file down the treacherous areas.

So when Bixler arrived at the summit, he snapped three photos, including one of his Sherpa, whose expertise he’d relied on so heavily. Exhausted, Bixler left a small list of those who had helped him get to Everest, but kept the flags and tributes he was to leave at the summit, so hurried was he to start down the mountain.

“I had a great feeling being on that summit, but it was also one of dread. I remember thinking, ‘this is going to be tough.’”

Fighting with each step, Bixler recalls what kept him going: passing by the many dozens of climbers who never made it back. “It is a humbling experience, walking by the dead. You don’t really see them, but you know they are there, just steps away. One of the Sherpas I climbed with passed right by his father, who had died on the mountain only recently.” (Because Everest is so physically challenging, it is very difficult to bring home climbers that die on the mountain.)

With Camp IV in sight, Bixler sent Ang Namgyal down ahead of him. Then, a snowstorm suddenly blew through, creating zero visibility for Bixler. So, remembering how so many climbers had perished close to their destination of Camp IV, Bixler played it safe, and sat the storm out until the camp was visible again. When he finally arrived at Camp IV, his team worried that he had pulmonary edema; his lungs were bubbling with fluid. But after steroid injections and no improvement, they determined he had a chest infection. Bixler returned to Base Camp, and began his road to recovery.

Bixler came home largely unhurt, given the dangers the summit bid had presented to him: a cough that lasted a month, black marks of frostbite that eventually healed, and numbness in two toes, which may be permanent, a constant reminder of his climb.
CELESTE TURNER WRIGHT

a retrospective by Marijane Osborn, professor of English

The UC Davis English Department has been home to numerous colorful faculty members, including two famous poets, Karl Shapiro and Gary Snyder. Less famous but also colorful in her own way was the first chair of the department, Celeste Turner Wright. The following account of her association with the campus is based on Wright’s own oral history, University Woman.

Celeste Turner moved with her family from Maine to California as a child, and earned degrees from UCLA and UC Berkeley (Ph.D. 1928). At the age of 22, while still writing her dissertation, she was appointed to teach at the University Farm annex of UC Berkeley, a small campus lying out in the valley in a small town called Davis; later “the Farm” became UC Davis. At that time the campus had 350 students, only eight of which were women, and the young woman Celeste was given the specific charge to be “a refining influence on the farm boys.” Five years later, in 1933, she married her former student Vedder Wright.

By her own account, Celeste Turner Wright was the first Ph.D. of either sex to teach at Davis, and later she became the first tenured woman faculty member at this university. For a total of twenty-seven academic years (1928-1955) she was chair of the Department of English, the Division of Languages and Literature, and then the Department of English, Dramatic Art and Speech, becoming chair of the English Department again in 1966 for a time. Between times she was an associate dean and a vice-provost. She retired in 1973 after teaching at this campus for fifty-one years, but she continued to teach courses and influence the department for some years afterwards, being especially supportive of newly hired faculty. She divorced Vedder in 1970, but when Celeste’s eyes were failing in later years he came to live with her, “in sin,” as she cheerfully said, and they remarried in 1996.

In 1997 Wright spoke and read from her poems at a ceremony where the UC Davis dramatic arts building was dedicated as Celeste Turner Wright Hall. In 1998, seventy years after coming to Davis, she was appointed the UC Davis Picnic Day marshall. She died in 1999 at the age of 93, leaving a legacy of devoted students (including Vedder), several published books of her poetry, and a handful of highly-regarded articles. One volume of her poems, A Sense of Place, won the silver medal of the Commonwealth Club of California in 1973, and the New York-based Academy of American Poets continues to offer students an annual prize in her name. As Chancellor Larry Vanderhoef said at her memorial service, “Few faculty colleagues have so fully expressed the history, the values and the hopes of UC Davis.”

Vedder Wright was colorful himself: among other adventures, he sailed from San Francisco to Tahiti and back. A strong athlete, he completed his first Double Century in 1976 and his last when he was in his mid-80s, continuing to cycle the bike paths of Davis until 87. He died soon after Celeste did, in 2001.
AN ALL-TIME RECORD IN GIFTS TO COLLEGE

The College of Letters and Science raised an all-time record of $7.8 million in the 2007-08 fiscal year, beating the previous record set just two years ago when the college received $6.2 million. The funds will be used for student scholarships and fellowships, faculty support, research programs and capital projects, such as the Music Recital Hall.

“Donors have found that giving to the college can have a high value and direct impact on the lives of students, the quality of teaching and on new research discoveries,” said Maureen Miller, assistant dean for College Relations and Development.

The college received two gifts over $1 million, another first for the college. The first million dollar gift came from Grace and Grant Noda (see page 38) in support of the Music Recital Hall. The second was a $1.5 million gift from the W. M. Keck Foundation, which went to the Large Synoptic Survey Telescope project, headed by physicist J. Anthony Tyson.

Volunteers in the college’s newly-formed Deans’ Advisory Council also donated nearly a million dollars, providing much-needed support to student and faculty research and programs. “It is wonderful that so many of our council members were part of this record year for the college,” said Kevin Bacon, chair of the Deans’ Advisory Council. “And our council volunteers have said repeatedly to me that they really like to give – it makes them feel good that their gifts make such a great impact.”

The college raised more than $248,000 in Young Society gifts and over $75,000 in annual funds; all funds go to the areas where funding is most needed, primarily student and faculty programs and support. (See page 2 for more information about the college’s annual fund.)
Donors to the College of Letters and Science
Fiscal Year 2007-08

$1,000,000 and above
Grace and Grant Noda
W. M. Keck Foundation

$500,000 to $999,999
California Wellness Foundation
International Development Research Centre
Wendy and Eric Schmidt
TABASGO Foundation

$100,000 to $249,999
Andy Warhol Foundation

$50,000 to $99,999
American Psychological Foundation

$25,000 to $49,999
American Chemical Society
Bernard Osher Jewish Philanthropies

$10,000 to $24,999
American College of Physicians

$5,000 to $9,999
American Foundation for the Blind

$1,000 to $2,499
American Public Health Association

$500 to $999
American Society for Reconstructive Microsurgery

$100 to $499
American Society for Microbiology

Mental Insight Foundation
Mind and Life Institute
Muro & Lampe, Inc.
Parker Family Foundation
Pivotal Health Foundation
San Manuel Band of Mission Indians
San Pasqual Band of Mission Indians
Santa Cruz Island Band of Mission Indians
Santa Ynez Band of Mission Indians
Sierra Nevada Band of Miwok Indians
Tohono O’odham Nation

$1,000 to $2,499
Mary Radu and Richard Auger
Victoria and Nathan Austin
Joan and Robert Bolt
Dawn Sumner and Ray Bankha
Karen Jernefski and Jim Barkovich
Rass Bauer
Dorothy R. and Donald C. Benson
Rachel Terrece and Leopoldo Bernardi
Ray Bishop
Jennifer and Robert Bolt
Pauline and Michael Brandmeyer
Brightline Evolutionary Lighting Systems
Sherry McCoy and Tom Brugmann
Brookes and William Byrd
Laurie and Kevin Carnahan
Catherine A. Cerny
Dee and Gregory Chabrier
Chronicle Books
Clarke and Patricia Bailey Foundation
Heather Lacetera-Clay and Jonathan Clay
Diane Appel and Daniel Cotton
CPM Educational Program
Mariana and Harry Crockett
Dina and Peter Crock
Sharon and Paul Dauvergne
Susan and Rodney Davis
Lisa and Frank Dietz
Mary Dickinson
Lynda and David Eichler
Daniel M. Faletti
Phyllis and Thomas Farver
Federated Indians of Graton Rancheria
Woodland Basin
William Fink
Nicholas Fintelberg
German Life and Letters
Nancy and Rod Gibbon
Elle Glassburner
Shirley Goldman
Lenore and Steven Greenman
John Greenwood
Doris Grimm
Pamela and Alan Grossbard
Karen Haltunen
Vera and Richard Harris
Lynette and Benjamin Hart
Abigail Thompson and Joel Hass
Gwyn and Rex Hime
Jesse Ann Owens and Anne Haffmann
Elizabeth and D. Kern Holoman
Louanne and Brian Horsfield
Margaret Hoyt
Yasuka Ikeda
Barbara K. Jackson
JGC, Inc.
Norman Jones
KASL Consulting Engineers
Cathy and Fred Katz
Shari and Stephen Kavalo
Jean Steinmetz Kay
Richard Kendrick
Joseph Kissis
Anna Hon and Paul Ko
Labor Coalition
Paire and Blair Lambert
Diane and Matthew Larrabee
Latin Quarter
Mara and Dennis Lindsay
Diane and Albert Loranger
Joseph Yan Ma
Natalie and Malcolm MacKenzie
Barbara and Jerry Marquis
Shirley Maus
Katherine Mawdsley
Deborah and Hugh McDavitt
Julie and Randall Mark
Francesca Miller
Maureen Miller
Jolanta Moore
Netania and Raphael Moore
Judith and Eldridge Moores
Dee and Ben Moskien
Daniel Mortiary
Janet and Robert Morrison
Marjane Oshinn
Jeanette and David Osias
Richard Piper
Ann and Craig Pridgen
Maryam and Majid Rahimian
Helen Richardson
Barbara and Jeffrey Rosenbaum
Salad Cosmo U.S.A. Corp
San Pasqual Band of Mission Indians
Patricia and Richard Sanchez
Scherering-Plough Corporation
Caroline and Neil Schore
Mary Ann Scruggs
Anjali and Steven M. Sheffrin
Karen and Thomas Slabough
John Smith
Patricia Turner and Kevin Smith
Rosie and Ronald Soloth
Luana and Steven Steiger
Meg and Tom Stallard
Janet and Martin Weiner
Beverly Sandeen and Marty Stringer
Thomas Advocacy Inc.
Terri and Rob Thomas
Cynthia Ilmen Traum and Jeffrey Traum
Travelers Company Foundation, Inc
Beverly Bosler and James Tusi
Walmart Foundation
Marjorie Watson
Henry Wei
Mary Welch
Arthur Wellman, Jr
Eye ‘73 and Wallace ‘71 Wertsch
Mary Wickham
Steve Williamson ‘71 Econ
Carla Wilson
Debbie B. Wilson
Zhengyi Wang and Don Yang
Karen Crawford and Timothy Yates
Harriet and Edwight Yor
Robert Zierenberg
Three donors who prefers to remain anonymous

$500 to $999
Mitsi Aguirre
Mona Yousif and Ameer Alswaf
John Bolger
Maria and Mark Brown
Barbara Cohen and Al Chapman
Regina and Steve Chen
Con-Way, Inc.
Pearl Crowley
Emile Ford
Cynthia Friend
Carl Garbe
Gen II, LLC
Georgetown University
Elizabeth Gibson
Asha Gilson
Ellen and Paul Goldstine
The Galvao Group, Inc.
Margaret and Robert Hardwick
Jean and Edward Hayes
Barbara Hoermann
Helen Hong
Judith and Richard Houck
Barbara and Andrew Immler
Koichi and Yuki Kawai
Catherine Kudlick
Clarene Krutsch
Deborah Williams and Thomas Larsen
Elisa and Mike Levy
Peter Lichtenfels
Lawrence Llozere
Sara Lombardo and James MacNicholl
Luis & Cheryl Maldonado Family
Connie Manning
Betsy Marchand
Robyn and Michael McKenna
Steven Tallman and Yuri Michielsen
Middletown Rancheria
Moorestown Rancheria
Linda and Richard Murray
Krishnan Nambiar
Janice and Jeffrey Pettit

$250 to $999
March and Mark Cary
Lois and John Crowe
Robert Estrada
Ford Foundation
Hershey Family Foundation
IBM Corporation
Intel Corporation
Koret Foundation
Santa Barbara Institute
Sciос, Inc.
One donor who prefers to remain anonymous

$150 to $249
American Society for Microbiology

$100 to $149
American Society for Microbiology

$50 to $99
American Society for Microbiology

$25 to $49
American Society for Microbiology

$10 to $24
American Society for Microbiology

$5 to $9
American Society for Microbiology

$2 to $4
American Society for Microbiology

$1 to $3
American Society for Microbiology

$0.50 to $1
American Society for Microbiology

$0.25 to $0.50
American Society for Microbiology

$0.10 to $0.25
American Society for Microbiology

$0.05 to $0.10
American Society for Microbiology

$0.01 to $0.05
American Society for Microbiology

$0 to $0.01
American Society for Microbiology

$100,000 to $249,999
American Psychological Association

$50,000 to $99,999
American Psychological Association

$25,000 to $49,999
American Psychological Association

$10,000 to $24,999
American Psychological Association

$5,000 to $9,999
American Psychological Association

$1,000 to $2,499
American Psychological Association

$500 to $999
American Psychological Association

$100 to $499
American Psychological Association

$50 to $99
American Psychological Association

$25 to $49
American Psychological Association

$10 to $24
American Psychological Association

$5 to $9
American Psychological Association

$2 to $4
American Psychological Association

$1 to $3
American Psychological Association

$0.50 to $1
American Psychological Association

$0.25 to $0.50
American Psychological Association

$0.10 to $0.25
American Psychological Association

$0.05 to $0.10
American Psychological Association

$0.01 to $0.05
American Psychological Association

$0 to $0.01
American Psychological Association
Donors to the College of Letters and Science
Fiscal Year 2007–08

$100 to $249 continued

Laurel Garrett and Daniel Kurtzman
Andrew Kwong
Hamida and Muhammed Lakhani
Thomas Large
Jack Latimer
Julie Schoening and Enrique Lavernia
David Chi Kin Lee
Virginia and Richard Lehman
Suzanne Lenander
Lydia Leonard
Deborah Levy
Kim Ann and William Lewis
Susan Liang
Diane and Ben Lin
Lorraine and Shui-Wai Lin
Allan Lind
Barbara and Carl Lind
Linda and Peter Lindert
Karen and Bruce Linscott
Marc Lombardi
Mary and Robert Longo
Mario Lopez
Jane and Iyle Lopus
Kay and Todd Lowell
Gary Ma
Nadine and Phillip Maher
Judy and August Maki
Linda and Joseph Maloney
Maris and Edward Manning
Zahava and Zeev Maraz
Marathon Business Forms
Christina and Tony Marcon
Jo Burr and Ted Margadant
Christopher Markus
Susanna Orosco-Martinez and Jose Martinez
Diana and Jeffrey Mason
Patricia Garcia and James Mattsches
Ulla and Gerald McDaniel
Noara McGuinness
Kristin and Brian McInnis
Jean-Marie McKinney
Victoria Smith and Stephen McMahon
Laurie Maemor
Richard Meffley
Ellen Damascino and Jay Mellies
Meredith W wearing Services Inc.
Bertha Mesple
Linda and Klaus Michael
Lisa and Christopher Micheli
Sally and John Mitani
Amanda Miyahira
Kay Monfort
Jennifer and Keith Moon
Susan Hawkins and Thomas Moore
Martha Morgan
Jennifer Morris
Pamela Scrupton and William Morrison
Kathryn Berger Muhs and Peter Muhs
Reko and Masahiro Nagamine
Linda Anderson Nammenga and Sam Nammenga
Napa Vina Company
Frances Dunwell and Wesley Natle
Robert Naylor
Valerie and Felix Nera
Kristen Hoagland and Daniel Neufelder
Marilyn Ng
Weinan and Carl Ng
Phoebe and John Nichols
Mary and James Nielsen
Sarah Nielsen
Donna Daly and Timothy Nisson
Bruce Noll
Art Notter
Andrea and Frederick Note-wear
Shelly Diaz and Angus Oborn
Natalie Nielsen and Thomas O’Brien
Alice O’i
Anna Harris and Robert Okeefe
Sylvia Oshima
Geil and Robert Olsson
Can Ozbal
Jill and Nelson Pass
Katherine and Bryan Patterson
Paula Patterson
Nathan Paxton
Ann and Joseph Pease
Katherine Peck
Janet and J.K. Pedritti
Geraldine and Eugene Pergament
Heather and Martin Peters
Susan and Jeffrey Peterson
Wayne Peterson
Linda and William Phillimore
Claudia Castaneda and Jorge Pinzon
Robin and Gian Palastrini
Deborah and Andrew Port
James Portman
Exher and Russell Powell
Carla and John Roemer
Kurt Rohde
Patty and Richard Rominger
Sarah and Robert Rooney
Ellen Rose
Joan and Arthur Rose
Katherine and Charles Rossbach
Arlene and Pierre Rouzier
Jan and Bartlett Rowell
Proten Rudy
John Rule
Marie and John Rundle
Sacramento Choral Society & Orchestra
Sacramento Youth Symphony & Academy of Music
Kevin Sadeghian
Andrea and Jesse Saich
Ladan Manateghi and Kenneth Sain
Haidi and Richard Sambocchi
Sabine and Chitwin San Tun
Donna and Dwight Sanders
Judy Winzeler and Dale Sartor
Ann and Michael Savageau
Sandra Shannonhouse and Arthur Schade
Heath and Marc Schenker
Dale Cyphert and Dave Schoemann
Renee and Robert Schwartz
Donna Sculato
Lynn and Timothy Surber
Suzette and Joseph Sutton
Susan Swansiger
Mary Swinney
Joyce Takahashi
Dean Tangilo
Karen and Andrew Taylor
Marsha and Donald Ter Avest
Kerri and Stephen Texeira
Denise and Mark Thiesen
Donna and Donald Thomas
D. Kathleen and Robert Thomas
Kathleen and Henry Thornhill
Lenora Timm
Sandra and William Titus
Dorothy Ginsberg and David Torrey
Krisin and James Tranquada
Teresa and Guillermo Trage-Meja
Joan and Donald Turcotte
University of the Pacific
Karen and Ramon Urbano
Patricia and Anthony Uriarte
Page Valentino, Jr.
Elizabeth Varnhagen
Victoria Vranov
Mimi Khan and Christopher Waddell
Kathleen Ward and Raymond Waddington
Christopher Wagstaff
Rosemary and Thomas Wakeman

$99 and below

Tabinda and Ziauddin Abbasi
Catherine Clark and Matthew Abraham
Josephine Abrans
Robin Martin and Arlo Acton
Evelyn and Barry Adler
Susan and John Ahn
Carol and Dennis Arnoldi
Marie Alexandre
Priscilla Alexander
Molly and David Alford
Debra Miller and Christopher Allen
Timothy Allen
Sandra and Terrance Alley
Mary and John Annin
Jean Anderson
Jean Andrews
Paula and Fredric Antaki
Akemi Aoki
Raul Aranovitch
Kim Lohse and Philip Archibald
Rebecca Arnold
Laurie and Mark Astan
Kristen and Douglas Atkins
David Au
Weasley Avery
Paula and Alan Balch
Janet Baer Bordo and Marline Balisger
Nakita Ashihara and Geoffrey Barrall
Cari Barrett
Channing Barringer
Lydia and Ronald Baskin
Jonice Bassett
Gary Bates
Nils Bauer
Sharon Hanford-Beach and Dale Beach
Laura and William Beatte
Eric Beck
Michelle Beckman
Susan and Raymond Beiersdorfer
Patricia and Louis Below
Kathleen Walsh and Paul Benson
Connie Lewallen and Bill Berkson
Lisa and Richard Berling
Kathryn and Olaf Besgen
Genia Betancourt
Heather and Hakan Beyga
Susan Orca-Biggs and William Higgs
Scarlett Hicks-Bisereap and Girma Bisereap
Rebecca Deutscher and Chris Bishop
Kathryn and Marshall Black
Sheryl and Paul Black
Frances and Noel Blincos
Ellen Chapman and Alvin Block
Amy Farrell and John Bloom
Marlen Bloomberg
Shula and Oscar Blumenthal
Ronald Bogin
Sarah and Daniel Boone
Dorothy Rice and Robert Boughton
Hollis Kim and Harry Bowles
Alec Boyd
C.H. Boyle, IV
James Boyle
Dorothy Bradley
Barbara and Robert Brandriff
Cynthia Brantley
Laura Brint
Brian Brinkhoff
Larsa Brizinova
Samantha and Matthew Bronson
Susan and Richard Broker
Ellen and William Brow
Daniel Brown
Nancy Brown
Nikita Brown
Penelope and Bart Brown

34 U C D A V I S C O L L E G E O F L E T T E R S & S C I E N C E

Paul Fabianick
$99 and below continued

Edgardo and Richard Brunelle
Christopher Bunch
Jacelyn and Donald Byrum
Patricia and George Byrum
Leslie and Douglas Byzewski
Ann Callaway
Reva Camiel
Carlos Carbaal
Denise Carrasco
Sachiko and Daniel Carrier
Sarah Carroll
Gail and Edgar Castellini
Amanda Caulder
Victoria Ver-Cerbatos and John Cerbatos
Lauren and John Cesarone
Sophia Chaban
Tess Chandler
Melissa Chandon
Gale and Jack Chapman
Barbara and Eric Chasalow
Angela Cheng
Lily Cheung
Sharon Chiang
William Chin
Sarah and Robert Chinn
Ko Chong
Jessica and Sean Chapelas
Deborah Smith-Christie and Bill Christie
Emily Chu
Mary Chun
Amy Hewes and Kevin Clark
Robert Coa
Stella Lawy and Richard Cohen
Mary and Warren Cole
Maribeth Condon
Gail and James Conley
Elizabet and Stephen Corven
Claire Connolly
Gladys and James Coolsidge
Karen Copp
Kerry and Timothy Carbone
David Corina
Elizabeth and Stephen Corven
Sharon and Daniel Costello
Julie and Tabin Covach
Lillian and Daniel Crane
Elizabeth Creighton
Virginia Crippin
Roberto Cruz
Lindsey Turrittin and Timothy Cull
Wendy Cunningham
Noah Cutler
Karen and Gregory Dabel
Barbara Dahl
Sajel Dattani
Joan Davenport
Sheri Dawson
Janet Day
Eduardo De La Torre
Ashley Degennaro
Carolyn and Antony Degnan
Lorelta Marquis-DellaMare and Scott DellaMare
Sandra and Fred Dentinger
Barbara and Vasu Dev
Rayna Stephan and Dominick Di Amorbole
Antoinette Dickey
Anne Russell and Joseph Diehl
Robert Diltis
Debra and James Dineen
Patricia and Erik Diven
Rhonda Skipper-Dotta and Ronald Dotta
Sandra Donatoni
Jennifer Darward
Virginia Drake
Caroline and Douglas Drakeley
Sandra and David Du Bois
Freda and Lawrence Dun
Sally Eastham
Kassondra Elliott
Kira and Louis Erba
Rebecca Ericson
Benjamin Ernst
Tina Espinoza
Melody and Mark Evans
Jain and Anthony Faciane
Christina Fajardo
Shadie Farazian
Violette and Patrick Farrell
Patty Farrington
Miranda Farrow
Sarah Fay
Robert Fenton
Shelley Chaney-Fisher and Matthew Fischer

Linda Fitz-Gibbon
Ted Fleece
Elizabeth and Donald Forrester
Adrienne Fortini
Christy Foster
April Lovorn and Donald Foster
Susan and John Foster
Trevor Fox
Charmen Goehring-Fox and William Fox
Rhonda and Ross Franke
Suzanne and Craig Frazier
Adam Frey
Marilyn and Charles Froom
Tatsiana Furman
Dorothy Gans
Noam Garfinkel
Garrett's Art and Drafting Service
Gail and Ronald Gester
Erin Gienger
Aimee Giguere
Tinka Gillis
M.E. and Ph. Gladis
Tanis and Steven Glass
Bruce Glenday
Jonellen Goddard
Golden Gem Farms, LLC
Tzipora and Dan Goldkorn
Diane Duncan and Edward Goodykoortz
Darya Gordenchuk
Shannon and Gary Grace
Rhonda Neuchiller and Peter Grant
Krist and William Graves
Carolyn and Allen Green
Udo Greinacher
Rabin Gratch
David Guardon
Kathryn and William Guard
Matthew Guerra
Anne Guzzo
Patrick Hager, III
Rebecca and Donald Hagerty
Jacquelyn Gervay-Hague and George Hague
Nancy and Kenneth Hale
Richard Haley
Neta Hamou
Susan and Robert Hansen
John Harbison
Emelyne and Thomas Hargis
Camille Harper
Jennifer Harris
Ellen Harrison
Brandi and Brian Hartman
Rebecca Hartsg
Kimberly and Eric Hasser
Jane and Douglas Hatton
Evelyn and David Healy
Antonette and Todd Helein
Cynthia and D. Michael Hebert
Terre Hedden
Erik Hennum
Susan and Jonathan Hermance
Robert Hester
Winfred and Malcolm Hill
Lila and Christopher Hillard
Elizabeth and Christopher Hinkle
Laila and David Hinkle
Julie Hirano
Vera Sandronsky and Alan Hirsch
Susan Sidley and Mark Hryzik
Christine Ho
Edward Ho
Sandy Ho
Samantha Hobart
Matthew Holland
Karen and Patrick Hollister
Nancy Holve
Diane and Robert Hooper
Thea Utz-Horii and Brian Horii
Susan and Richard Horn
Martha Horst
Wei-Jung Hsu
Shirley Huang
Walter Huber
Cynthia and Steven Huddleston
Kimberly Hudson
Katharina and Robert Hughes
Carolyn and Christopher Hunt
Jennifer and John Hurrell
Brenda Hutchinson
Illustration & Design, Inc.
Amy and Gary Isaman
Christa and James Jahncke
Marie and Thomas Jarvis
Mary and Thomas Jasek
Barrett Jayne
Tayin and Peter Jensen
Jeremiah Johnson
Andrew Jones
Suzanne Jones
Hrag Kaledjian
Mary and Stephen Kaltenbach
Svetlana Karasalavova
Julie and Louis Karchin
Stacey Karp
Gen Katz
Ariana Kaufmann
Susan Keizer
Laura Kelleher
Adelle and Jeffrey Kellman
Georganna Kelly
Cathryn and Robert Kerr
Jae Kim
Jean Kim
Hannah Hudler and Brian Kincaid
Catherine King
Melissa and Richard King
Sharon Kimeyer
Lisa and Bradford Klaas
Jane and John Knox
Caroline Jules Kneuppel and Nicholas Knueppel
Lauren Koch
Patrick King Koester and Fred Koester
Kris and Terry Kohl
Ila and Ronald Kragthorpe
Dewight Kramer
Lorettta Kramers
Shyamala Rajagopalan and Ramaswamy Krishnamoorthi
Carmen Kuffner
Maya Kunkel
Kevin Lao
Kerry and Stephen Lafer
Garretta Lamore
Michael Lavigne
Nicholas Law
Jeffrey Leach
Elaine Sison-Lebrilla and Carlito Lebrilla
Alexander Lee
Cynthia and Tommy Lee
Diana and Steven Lee
Judy Lee and Wai Long Lee
Newman Leung
Christine and Thomas Lew
Catherine and Thomas Lewis
Jason Li
Caroline Libresco
Guille Libresco
Gary Linden
Patricia Lindsay
Jeanne and Steven Link
Bernice Linnard
Loren Linnard
Kay and Roger Lister
Gail Lockhart
Muriel and Robert Lockhart
Sharon Locy
Lynn and Thomas Loewald
Judith Loewer
Theresa and John Longley
Melissa Bouziane-Lopes and Laudison Lopes
Xiong Lao
Frederick Loryer
Olivia and Matthew Lovett
Lauren Lu
Sheila and David Luskin
Jan Lustig
Lisa Lybert
This list of donors reflects gifts and grants that were given to the College of Letters and Science during fiscal year 2008 (July 1, 2007 – June 30, 2008). It does not reflect gift pledges. Gifts made elsewhere to UC Davis are not included in this report. We have made every effort to ensure that the names are listed accurately, however, if you notice an error, please call us at (530) 752-3429 or email Jennifer Hudson at jhudson@ucdavis.edu so we may correct our records.
We appreciate the many donors who doubled or tripled the impact of their gifts through their employers’ matching gift program. For more information about matching gifts, you can go to http://giving.ucdavis.edu.
Family That Lost Everything But Music Gives $1 Million for Recital Hall

BY CLAUDIA MORAIN

A Davis family with a long history of supporting music, science, Japanese-American civil rights and other humanitarian causes has donated $1 million to the UC Davis Department of Music to help build a major new music recital hall. The gift, the largest in the music department’s history, will support construction of a modern, 400-seat performing arts facility on the edge of campus near downtown Davis.

The gift from Grace and Grant Noda and their daughters, Kathy Miura and Tanya Yan, was announced at the annual performance of the combined UC Davis Symphony, Chorus and Alumni Chorus.

“We are tremendously grateful to the Noda family,” said Jessie Ann Owens, dean of the Division of Humanities, Arts and Cultural Studies. “In musical performances, space is a true partner in the performance. It is impossible to make music of the highest quality without having a performance space with good acoustics. What a well-equipped lab is to science, a superb recital hall is to music. We have excellent students: They need a good space in order to reach their potential.”

The recital hall is expected to accommodate more than 100 concerts annually, including such music department presentations as chamber festivals, the free noon concert series and performances by student and professional resident ensembles and artists-in-residence. The new space will also provide additional programming options for the Robert and Margrit Mondavi Center for the Performing Arts.

The new facility will represent a critical addition to teaching space for the Department of Music. For example, enrollment in Music 10, a large basic survey course that will be taught in the new Recital Hall, has grown from 50 to 350 since 1966, when the present Music Building was constructed. The number of undergraduate music majors has increased more than tenfold during the same period, from 11 to 150, and the number of faculty has ballooned from six to 39.

The Nodas are both second-generation Japanese-Americans.

Nisei Memories: My Parents Talk About the War Years, a 2006 book written by Grace’s nephew, Paul Takemoto, tells the story of Grace Noda’s family’s separation, internment and loss in the aftermath of the attack on Pearl Harbor. Given time to grab only a toothbrush and her Bible, Grace’s mother was arrested and jailed at Terminal Island for three months. Her father was imprisoned first in Tujunga then in Santa Fe, N.M.
It fell to Grace, then a senior at UC Berkeley, to return home to care for her younger sisters until “relocation” orders arrived, instructing the rest of the family to report to an “assembly center” at the Santa Anita racetrack. The Imamoto girls, joined by their mother after her release from Terminal Island, shared a stable there for 10 months. The next stop was an internment camp in Jerome, Ark. After 11 months in prison, Grace’s father was reunited with his family at the camp. Grace was able to leave after his return, when Quaker benefactors arranged a live-in job for her with a family in Minnesota. Her parents remained at the camp until it closed in March 1946. The couple had $41 between them when they were released. Because Grace’s father now had a criminal record, the only work he could find was as a housecleaner. Her mother took a job as a cook.

Grant’s story was similar. He was detained with his mother (his father had died) and siblings, first at an “assembly center” in Merced, then at a relocation camp in Amache, Colo.

Grant and Grace met after the war when he was working as a research scientist at UC Berkeley and she was teaching elementary school in Richmond. The couple moved to Davis in 1958 when Grant accepted a position in the UC Davis Department of Botany. While Grant managed the botany department laboratory by day and studied real estate at night, Grace raised the couple’s two daughters, volunteered for many community organizations and was active in the peace movement, from protesting nuclear weapons (she was arrested at a Nevada test site in the early 1990s) to marching against the Vietnam War.

Music has been central to their lives. For Grace, it was a bright spot during the war years, when she taught rote singing to children in the internment camp. Since the war, she has been a loyal patron of the San Francisco Opera, San Francisco Symphony and local performing arts.

“Music has been my life,” she said in a recent interview, “so I wanted to leave something when I am gone.”

Tanya says her mother sees “something very generous about music. Rich or poor, everyone has access to it. It transcends race and social status. It is apolitical. It has been a constant in my mother’s life, through everything.”

As of July, the music department has raised $1.7 million, with a goal of raising $5.5 million for the recital hall building. The campus expects to break ground in 2009.
This dress is just one of many in the Design Museum’s vast collection. It belonged to Mattie Webber Brazier, who grew up in Oroville, CA. The dress was bought by Mattie’s mother in Sacramento for her high school graduation in 1908 (photo above), the same year UC Davis was founded. This lace-trimmed finery, comprising a high-necked, high-waisted and short-sleeved “pouter pigeon” bodice, represents the typical fashion silhouette in the early 20th century. Later, Ms. Webber went to Chico State Normal School and became a teacher and married a San Rafael High School principal. The dress was donated to the Design Collection by Ms. Robin Poppers, Laurie Vann and Leslie Zeisler, Mattie Webber Brazier’s granddaughters, in 2006.