Thank you to the many individuals, corporations and foundations that have given so generously to UC Riverside this past year. In this special annual issue we showcase some of the results we have achieved because of your continued support.

The cover story this month describes a gift of intellectual property from the DuPont Company. This type of collaboration between corporations and select research universities is part of a growing trend that UC Riverside is honored to be a part of. It is a gift of opportunity, which our researchers may well turn into an on-going financial benefit for the campus, should an herbicide product and a licensing agreement ultimately be developed.

Your heart will be touched as you read about the experience of a father seeking to create a link between his ancestors and his own child by learning his native Luiseño language through the Takic Language Revitalization Project. This ambitious partnership between Pechanga cultural leaders and UC Riverside is aimed at reviving nearly extinct native languages and may well serve as a national model for other such endeavors.

Geri and Don Shaevel demonstrate the significance of individual giving. Their $100,000 gift over a four-year period transformed a struggling student organization.

Special thanks to Amy Harrison, chair of the UC Riverside Foundation Board of Trustees, and to the entire group of trustees who work so tirelessly on behalf of our campus throughout the year. Without them and the many volunteers who give their time, this campus simply could not fulfill its mission to research, teaching and public service.

I look forward to building on that generous support as we prepare to welcome a growing campus population over the next several years. Together we will continue to build the legacy of UC Riverside.

I hope you enjoy this issue of *Fiat Lux*. If you see me on campus or around town, please say “hello” – I would love to hear from you!

France A. Córdova
Chancellor
Fiat Lux, Latin for "Let there be light," is the motto of the University of California. It is also an ancient biblical reference that announced the coming of light into the world, and with it knowledge, the power of perception and the hope for wisdom.

Fiat Lux ISSN (1056-4276) is published four times a year: Spring, Summer, Fall and Winter by the University of California, Riverside, Riverside, CA 92521-0155.”
Awards and Honors

A team from UC Riverside won the "Willard Waller Award" for the best article in education over the past three years. The honor, the highest given by the Sociology of Education section of the American Sociological Association, recognized an article called “Socialization Messages in Primary Schools: An Organizational Analysis,” by Steven G. Brint, professor of sociology, and two of his graduate students, Mary F. Contreras and Michael T. Matthews. Published in July of 2001, the study used interviews and observations in 64 classrooms at 10 elementary schools to find out how values are conveyed to students. The team found that both face-to-face instruction and the curriculum mixed such traditional virtues as responsibility, honesty and fairness, with modern values such as cultural diversity, variety and choice.

Three faculty members of the Graduate School of Education have been involved in shaping the national agenda regarding special education and mental retardation policy.

Jan Blacher was one of 15 members of the Committee on Disability Determination for the National Research Council of the National Academies of Science. The committee helped the Social Security Administration write its guidelines for determining who would be considered mentally retarded and entitled to benefits through its report issued in the summer. The primary objective was to advise the Social Security Administration on how to improve its disability determination in ways that are consistent with the best current science and community practices.

Distinguished professors Frank Gresham and Donald MacMillan testified before the President’s Commission on Excellence in Special Education during the spring. The commission will advise President Bush on reauthorizing the 25-year-old Individuals with Disabilities Education Act next year. Gresham testified on the weaknesses in the way the state and the federal governments classify students as learning disabled, mildly retarded or emotionally disturbed; and on schools’ failures to follow those guidelines.

MacMillan testified about the differences between how researchers and the K-12 schools classify special education students, which leads to researchers studying different groups of children than those taught as special education students. He also focused on the problems with coordinating research between the federal Department of Education and the National Institutes of Health.

Governor Davis named the Community Digital Initiative (CDI) a winner of California’s 2002 Technology and Innovation Award. A computer lab and classroom serving young people at the Cesar Chavez Community Center in Riverside, CDI is now listed in the Compendium of Best Practices, a state document that highlights exemplary organizations and individuals that help foster California’s tech-based economy.

“The awards are given for contributions that help foster the fundamentals needed to grow and maintain a tech-based economy,” said Lon S. Hatamiya, Secretary of California’s Technology, Trade and Commerce Agency.

“We are very pleased with the award because its shows that the Governor recognizes CDI’s goal to provide innovative opportunities to youth who are preparing for higher education and better jobs,” said Richard Chabrán, the director of the facility.

Bethany Alvarez, a North High School graduate whose words are on the CDI Web site, said the lab made a difference.

“CDI has opened the gates of technology for my family that otherwise would have been difficult to access,” she wrote. “I know, with my education and increasing knowledge in this new technology, I will be in a position of helping my parents and my community in the years to come. Gracias to CDI. I hope it is here to stay to help others who need it.”

Since its founding in 1996, CDI has been supported by The California Wellness Foundation; Workforce Investment Act; Pathways to the Future: Youth as Multimedia Producers; the Workforce Investment Act; Right From The Start (San Bernardino County); Charter Communications; the city and the county of Riverside; Pacific Bell; and UC Riverside, where CDI is part of the Ernesto Galarza Applied Research Center.

Susan Straight, professor of creative writing and the author of five novels, served as one of 20 faculty members at the 2002 Bread Loaf Writers’ Conference in Vermont in August, one of American’s best-known literary institutions. For more than 75 years, writers have come to Middlebury College for workshops, lectures and classes. Agents and editors from major publishing houses gather as well. This year there were more than 200 writers invited as students.
“Taverns and Drinking in Early America”  
by Sharon V. Salinger

“Taverns and Drinking in Early America,” a book by Sharon V. Salinger, professor of history and associate dean in the College of Humanities, Arts and Social Sciences, provides the first study of public houses and drinking in the British colonies. The book, published by Johns Hopkins University Press, makes the point that taverns far outnumbered churches in colonial America, and they were a common gathering point for landowners and professionals, usually white men.

Imbibing alcoholic drinks was a nearly universal experience in this era of unsafe drinking water. Those who went to the tavern talked politics or argued about the price of wheat over a pint of ale, making these “public houses” another form of town hall.

Salinger, who arrived at UC Riverside in 1980, also examines the way that tavern sociability changed based on whether it was a large city or small town, whether the prevailing religion was Anglican or Quaker or Puritan.

Her previous book was “To Serve Well and Faithfully: Labor and Indentured Servants in Pennsylvania, 1682-1800.” She is currently working on a book-length study on poverty and migration into 18th-century Boston.

Her articles have appeared in the *Journal of American History, Labor History, The William and Mary Quarterly, The Journal of Interdisciplinary History* and *The Pennsylvania Magazine of History and Biography*. She is a recipient of the UC Riverside Distinguished Teaching Award.

“A Brief History of Punctuation”  
by Maurya Simon

Maurya Simon, a professor of creative writing, had a new book of poetry, entitled *A Brief History of Punctuation*, published in May. It is a limited edition, hand-letterpress “art” book from Sutton Hoo Press in Winona, Minnesota. Only 136 copies were made. They are hand-bound, and illustrated by noted calligrapher, Cheryl Jacobsen. The cost for this rare beauty: just $260 per copy. A sneak preview of one of the poems follows:

I. The Creation of the Question Mark
It grew slowly, atom by atom, curving its serpentine line around a doubt. For eons it hung suspended in the air, like a shepherd’s crook, an ebony cane a blind woman hung out at midnight on an invisible clothesline. It did not form itself from Adam’s mouth, it did not sprout as a kinky white hair from Gilgamesh’s never trimmed beard, nor curdle the earthworm, nor shape the sickle that mows everything.

Like a lily, it roused itself to life, unfurling into reason’s limbo quietly, and it left in its wake a single teardrop, a tiny pin-prick of dew, a dab of salt for the air minions to lick eternally — that minute mirror begetting wonder.

“California Master Gardener Handbook”  
edited by Dennis R. Pittenger

Pittenger, who joined the Botany and Plant Sciences Department in 1981 and is currently Area Environmental Horticulturist for U.C. Cooperative Extension’s Central Coast and South Region, is the editor of the *California Master Gardener Handbook*, a 702-page book conceived and developed to provide a statewide resource manual for master gardeners.

The book received the 2002 Extension Materials Award book category from the American Society of Horticultural Science, and it has been a surprise best seller. An exhaustive reference tool for use during and after completion of the formal master gardener training program, the handbook is the first compilation of horticultural training and reference materials designed primarily for master gardeners statewide. More than 10 years in the making, the book’s contents reflect the diversity and depth of...
knowledge in horticulture and related disciplines that the University of California Cooperative Extension possesses.

Pittenger conceived the project in 1990 and serves not only as the book’s editor but also as author and co-author of five of its chapters. Several other chapters have contributions from colleagues at UC Riverside and the UC Cooperative Extension in Riverside and San Bernardino counties. Because the master gardener training program does not require participants to have any formal training in horticulture, entomology or any other plant-related science, handbook chapters were developed assuming no prior knowledge on the part of the reader.

The handbook presents an overview of the California Master Gardener Program, an introduction to horticulture, suggestions for landscape and garden design and for diagnosing plant problems and a helpful glossary. The chapters, each of which guides the reader with a useful “Learning Objectives,” cover wide ranging topics such as soil and fertilizer management, water management, plant propagation, plant pathology, entomology, household and structural pests, house plants, lawns, woody landscape plants, home vegetable gardening, grapes, berries, temperate tree fruit and nut crops, citrus, avocados and poisonous plants.

To ensure technical accuracy, the chapters were peer reviewed by dozens of editors. The text is generously sprinkled with clear and easy-to-follow figures, tables, black-and-white photographs and charts.

“From Genesis to Genetics: The Case of Evolution and Creationism” by John C. Moore

In his book, Moore shares essential background information on the clash between evolution and creationism. He examines both schools of thought and explains how faith and science can coexist, how both are essential to human happiness and fulfillment. While he advocates the teaching of science and the scientific method in schools in the country, he also shows why both science and religion must be freed to do the good work for which each is uniquely qualified.

The book examines ancient creation myths and discusses the history of biblical interpretation. Moore presents the tenets and historical context of creationism and explains how the history of evolutionary thought was developed. He discusses the relationship of 19th-century religion to Darwinism. He also explores options for avoiding confrontations over what to teach in schools in the future. Advocating that the teaching of science be kept separate from the teaching of religion, Moore proposes that a vigorous and effective scientific community is essential to the preservation of a healthy environment.

Moore, who was Emeritus Professor of Biology, died of congestive heart failure in May 2002. During his 60-year career, he wrote or edited nearly 100 books.

“A Fly Has a Hundred Eyes” by Aileen G. Baron (’78 Ph.D.)

In the summer of 1938, Palestine is in chaos. Terrorists roam the countryside, and the British are losing control of the mandate.

As Europe prepares for World War II, international tension permeates the atmosphere. Lily Sampson, an American graduate student, is digging in Palestine at an excavation directed by British archaeologist Geoffrey Eastbourne. Eastbourne is murdered on his way to the opening of Rockefeller Museum, and objects from the digging are missing, including a glass amphoriskos. When Lily contacts the British police, they put her off, unable – or unwilling – to find Eastbourne’s murderer or look into the theft of the amphoriskos.

Lily realizes that if she wants to find the amphoriskos, she must search for it herself. Lily’s quest for the missing vial and exploration of the circumstances surrounding Eastbourne’s death lead her into a labyrinth of intrigue and danger in this wonderful fictional account.

“Educating Waverly” by Laura Kalpakian (’67)

“At Temple School the first rule is freedom,” declared Miss Westervelt. “Without freedom there can be no discipline. Without discipline there can be no discovery. Without discovery there can be no achievement. Form follows function, and transformation lies within the reach of all, Waverley. How else can you become a North American Woman of the Future?” she smiled and returned to the merits of the mousetrap ...

— From Waverley Scott’s first meeting with Sophia Westervelt, November 1939.

“Educating Waverly” is the story of an immortal teacher in an eccentric school. A novel of four women who bond across time and in spite of war. Indeed, beyond death. It is a “braided” novel, two stories wrapping around one another to form a
pattern. The book opens (and closes) in the present, but the heart of the story takes place from 1939 to 1942, the darkest days of the war in Europe, when events resonate even on remote Isadora Island in the Puget Sound. Once the school prospered, but in 1939 14-year-old Waverley, banished here against her will, is one of only six girls. There are two teachers, Sophia and her husband, Newton, known to the girls as Quizzer.

Temple students learn by doing. They are taught to Fear Nothing Except Ignorance, Untruth and Ugliness. They are schooled in confidence and exhorted to accomplish: to see the Unseen and listen for the Unheard, to use the telescope, the microscope. To raise chickens. They are fed on Quizzer’s bizarre diet of True Foods. They learn, in short, to be free of sausage and tradition. Temple girls do not graduate; they are given Certificates of Transformation as North American Women of the Future. But the future Waverley inherits is not the one Sophia envisioned. Can a woman be educated to triumph over the past?

“Successful Hiring”
by Mark Cvikota (’74)

One of the most important tasks of any manager is to hire qualified employees who have the skills to do the job they are hired to do and also be an asset to the organization.

“Successful Hiring” is a practical, easy-to-use guide to interviewing and selecting employees, written for managers and supervisors, that will explain a simple step-by-step process for preparing and conducting employment interviews that will result in hiring the most-qualified person for the job.

This guide also offers information regarding essential employment law every manager should know, how to properly prepare for and conduct interviews and a discussion of the various types of interview questions, such as behavioral and situational questions, that are valuable in gaining information on whether the candidate has the skills necessary to be able do the job.

Also, important documentation requirements, what interview questions to avoid and a large sample of suggested interview questions are included. Several sample forms designed to save the busy manager time are included such as an interview report form and a sample reference checking form. There is also useful information on how to conduct reference checks that receive information you can use when making your selection decision.

This book has proven to be a valuable resource for managers, supervisors and Human Resources professionals in assisting to conduct legal and effective employment interviews.

Mark Cvikota is a senior human resources analyst for the City of Moreno Valley.

Library Corner

Written on parchment with quill pens, decorated in jewel-tone colors and burnished gold, medieval manuscripts are a marvel to behold. Their very existence today is rather miraculous for they have survived natural disasters and human threats, including war, fires, floods, avarice, neglect, reformations and revolutions.

Special Collections is the home of 16 of these unlikely survivors – five bound manuscripts and 11 individual leaves. Each is a unique piece of the past of interest to students and scholars in several disciplines – European history, history of art, comparative literature and language. The awe of a student viewing a glittering leaf for the first time is almost palpable.

Special Collections is on a mission to build a collection of single leaves that will not only illustrate the history of manuscript production but also preserve as many as possible of these fragile treasures. Whereas a complete manuscript in its binding may sell for anywhere from $50,000 to $5 million, individual leaves – detached centuries ago – can still be acquired for as little as $150.

Additions to the collection have been made possible by donations from alumni seeking unusual ways to remember special people and events in their lives. While several have been acquired through memorial gifts, one romantic alumnus specified that his donation be placed toward a 15th-century calendar leaf for the month of June, in celebration of a June wedding anniversary.

We encourage others to join us in rescuing history – and to visit Special Collections to hold a precious vestige of the Middle Ages in their own hands.

If you wish to contribute to this growing collection, call 909-787-3233.

— Melissa Conway Melissa.Conway@ucr.edu
It is all about possibilities. That’s how the university is viewing a recent donation of intellectual property from the DuPont Company, the 200-year-old giant science company from Delaware, developers of Teflon®, Lycra® and Corian®, among others.

The gift is in the form of an herbicide, more precisely, patents to 1,100 organic chemical compounds built, in some cases, molecule by molecule by DuPont research scientists.

Researchers in the College of Natural and Agricultural Sciences will essentially pick up where DuPont research and development ended with hopes to develop and ultimately license a commercial product.

While the technology showed promise during a preliminary development and testing phase at DuPont, it became apparent that it would likely produce lower revenues than the company would require to continue through to commercialization.

Rather than abandon the project outright, DuPont made a decision that is gaining in popularity among corporations and universities. A proverbial “win-win” situation that can provide a tax benefit for a company while allowing further development of a valuable, environmentally friendly technology and eventual financial gain for the university should a product ultimately be licensed for commercial use.

“At DuPont we’re committed to support academia and to foster dialogue with top universities,” said Thomas S. Woods, director, Intellectual Assets Management, DuPont Intellectual Assets Business. “We look carefully for an institution with a good fit for the technology to be donated, and we work closely with the donee to make this a positive and meaningful research experience. We’re very pleased to have this opportunity to recognize the outstanding research work underway at the Riverside campus.”

DuPont cited UC Riverside’s strong program in agricultural sciences, its excellent reputation for scientific research, a close technological fit with existing on-campus research, and confidence in the university’s strong competency in technology transfer as providing the framework for the donation decision.

“UC Riverside is pleased to join an elite group of research institutions involved in this type of collaboration on intellectual property,” said Steven R. Angle,
dean of the College of Natural and Agricultural Sciences. The donation is important for a variety of reasons. First, this new class of pre-emergent herbicides has a unique mode of action that has promising characteristics in terms of the environment. Most of today’s herbicides are applied at the rate of pounds per acre; once developed, this new herbicide will be applied at the rate of ounces per acre, thus reducing the chemical load in the environment.

Further, the agricultural industry is in dire need of new, environmentally friendly herbicides. Nationally, weeds cause an estimated 12 percent reduction in crop yields, or $33 billion in annual crop losses.

Additionally, the research opportunities for UC Riverside are plentiful. They include analyzing the chemical structure of these compounds and their mode of action, conducting environmental studies on the specificity of their toxicity and how they break down in groundwater and soil, and an examination of the potential use of these compounds to re-establish natural systems by knocking down weeds that compete with native vegetation.

In the last decade gifts of technology have become more prevalent. What distinguishes them from traditional donations is that no large amounts of money change hands. Once rare, this kind of philanthropy, which sometimes includes cash or equipment or short-term startup assistance, has become popular with the giants of American business: DuPont, Procter & Gamble, Eastman Chemical, General Motors and Ford Motor, among others.

There are estimates that as much as 60 percent of the technology patents owned by U.S. companies are not used. DuPont’s donations of patents to universities have been wide-ranging and diverse. On February 8, 1999, DuPont announced the largest philanthropic contributions in the company’s history when it donated patents valued at $64 million to three U.S. universities: $35 million to the University of Iowa, $23-million to Virginia Tech, and $6-million to the Pennsylvania State University at University Park.

The University of Iowa received patent rights to biotransformation processes valued at $35 million. Virginia Polytechnic Institute and State University received patents related to the manufacture of thermoplastic composite sheets worth $23 million.
Other donations include:

- UC San Diego received 11 patents granted or filed pertaining to the trademarked Tacky Dot® technology. It was developed as a way to rapidly and precisely mount particles on surfaces.
- Purdue University received 30 U.S. and foreign patents for two agricultural insecticides.
- The University of Alabama received patents and other intellectual property that could produce new materials to replace the volatile organic compounds traditionally used in chemical manufacturing processes.
- The Pennsylvania State University received a patent and related technical information to encourage the commercial development of compounds to alleviate crop damage caused by mites.
- The University of Maine was saved from devastation by regrowing their orchards on the disease-resistant rootstock.
- The University of Iowa received a patent for a process to produce the herbicide Roundup® in a more environmentally friendly way.

Gifts should fit in with an institution’s research and intellectual-property assets. “Where there is a mutuality of interests and where there are synergies, it makes sense to consider these proposals,” he said.

Over the last few years DuPont has contacted selected universities to learn about ongoing research. The company makes clear that the gifts will require additional research and development before they become commercially viable.

DuPont’s Chief Executive Officer, Charles O. Holliday Jr., noted, “DuPont researchers routinely make significant leaps in science and technology. Inevitably, some of their discoveries and inventions are not consistent with our future plans. We’re very pleased to be able to make these contributions.”

While there were multiple research scientists working to develop the 1,100 compounds, at UCR the project has been successful.

### Research discoveries

Beginning with the Citrus Experiment Station, agricultural and natural science researchers at the university have made significant contributions.

#### 1927

Entomologists introduced two wasps from Australia as natural enemies of a major citrus pest, the citrus philus mealybug. Growers in Orange County were saved $1 million in annual losses. This event is considered pivotal in establishing biological control as a practical means of reducing pest populations.

#### 1940s

The citrus tristeza virus had destroyed 3 million trees in California when Citrus Experiment Station researchers identified the Troyer citrango rootstock as offering vastly superior resistance. The industry fruit maturation. He proved that application of the substance allows fruit to remain on citrus trees for extended periods. The ultimate result of his work with growth regulators, which continued through the 1980s, was the extension of the citrus-growing season in California to nine months from four months. Some have called this breakthrough the single most significant development ever to have benefited the nation’s $2.3 billion citrus industry.

#### 1963

After years of research and field evaluation, plant physiologist Charles Coggsins registered gibberellic acid for use in California citrus groves to delay

#### 1967

Biochemist and molecular biologist Anthony Norman was one of two U.S. scientists working independently who isolated and described the chemical nature of the substance that the public knew as vitamin D, but is, in fact, a steroid hormone. He would later explain the important role the hormone plays in human metabolism. Several life-saving drug treatments have been developed as a result of research by the Norman lab.

#### 1980

UC Riverside released its first patented citrus variety, the Orobianco grapefruit. Since then, the citrus breeding program has released the Melogold grapefruit, and the Gold Nugget mandarin (or tangerine).

#### 1982

Soil physicist William Jury developed a mathematical modeling technique to indicate how organic and inorganic compounds disperse through agricultural soils and move to groundwater supplies. The convective lognormal transfer function – also known as the Jury transfer function – became the standard for predicting the movement of fertilizers and contaminants through soils.

#### 1985-1989

Soil microbiologist William Frankenberger launched a national media and congressional awareness campaign to prove that fungi and microbial agents can detoxify polluted soil and
turned over to an army of one – Milt McGiffen, a Cooperative Extension vegetable crops specialist in the Department of Botany and Plant Sciences. McGiffen will receive four file cabinets stuffed with paperwork about the compounds plus a 250-gram sample of the corn herbicide (about 9 ounces). He has decided, for the time being, to set aside 1,099 of the compounds and to work on the un-named corn herbicide to determine if it is useful with other crops. The herbicide is a good candidate for California, which has the strictest farm chemical regulations in the nation, because it is used at low rates and does not persist in the environment.

The potential commercial viability of the compound depends on whether it will work with any of the host of things grown in California where corn is not a major crop. In the Midwest farmers in entire counties grow only one crop – corn or wheat or soybeans, for example. In contrast, California farms grow many diverse crops that dominate some facets of American agriculture.

For instance, for half the year California is the country’s largest supplier of fresh tomatoes. Between 70 to 80 percent of the United States’ domestic supply of fresh asparagus is grown in the state. About 70 to 75 percent of the total U.S. production of iceberg lettuce and 80 to 85 percent of leaf lettuce originates in the Golden State. And, 98 percent of the pistachios grown in the United States come from California.

It is these crops, and hundreds of others, that McGiffen is wondering about. His research strategy at the start is a simple one. “If we can get funding for the research, we can grow crops and weed species, and spray them with the compound to see what lives and what dies,” he said. “If a crop is healthy and the weeds that infest it die, then we have a match for the herbicide.”

After the simple experiment, the work becomes harder. DuPont’s experiments have to be replicated. The contents of the file cabinets have to be examined, document by document. Most importantly, a funding source for the research has to be found. He expects that the first compound will require at least four years of research, including studies on low-impact uses, residues in food and the environmental fate of the herbicide.

And, if UC Riverside is lucky, there could be a revenue source from the other 1,099 compounds. If a research scientist somewhere in America develops the same compound and attempts to have it patented for a specific use, UCR already has the patent. The other research entity would have to pay a royalty to the university.

water bodies. He acted in response to government plans to create a landfill to cover a Superfund site in the San Joaquin Valley, the Kesterson Reservoir. He argued that “excavate and bury” strategies not only deprive people and wildlife of a natural resource but offer no lasting solution to contamination since landfill barriers will eventually become permeable. He is credited with proving the efficacy of detoxification technologies, as well as introducing policy-makers and legislators to remediation alternatives.

1989
Plant pathologist Noel Keen and biochemist Fran Jurnak identify a previously unknown protein structure, the parallel beta-helix, as part of Keen’s pioneering work in plant pathology that included identifying the pectate lyase enzymes causing some plant diseases.

1989
Geophysicist Harry Green II and graduate student Pamela Burnley provide the first explanation for the phenomenon known as “deep-focus earthquakes,” those occurring 300 kilometers or more beneath the earth’s surface. Known to have existed since the 1920s, deep earthquakes were not understood until Green and Burnley explained how minerals at great depths can become unstable even though they are not subjected to friction as occurs on the earth’s surface.

1990
Plant geneticist Michael Clegg led a research group that was the first to recover and decode ancient plant DNA, genetic material from a magnolia leaf 20 million years old. Extracting the genetic data allowed scientists to study evolutionary changes in plant DNA. The project involved the novel application of technology now standard in genomics research, polymerase chain reaction, which allows for the quick replication of genes for study.

1991
UC Riverside entomologists released a stingless wasp, Encarsia partenopea, as the key element in a biological control program of the ash whitefly, an urban and agricultural pest that had caused $2 billion in crop damages since 1988. A massive release program of 130,000 wasps reduced ash whitefly populations by 10,000-fold, leading the USDA to call the project one of the most successful biological control programs ever.

1993-1995
UC Riverside high-energy physicists were part of the international research effort that provided the world with evidence of the top quark, a fundamental particle theorized to have existed since the 1960s but never before observed.

1996
UC Riverside entomologists and plant pathologists conducted an assessment of the likelihood that wheat grown in the Imperial and Palo Verde valleys of Southern California would lead to the spread of Karnal bunt disease. A national outbreak of the fungal-produced disease had caused the United States Department of Agriculture to order crop destructions and quarantines in several states. The research by UC Riverside scientists proved that wheat grown in the state was extremely unlikely to spread the disease. As a result, the USDA lifted the quarantine and restrictions. Growers could have lost as much as $1.2 billion had the quarantine remained in effect.

2002
Main group chemist Guy Bertrand and his research team are the first to create a stable singlet diradical, a development announced worldwide. The unique compound could someday lead to a new generation of non-metallic magnetic devices for medical imaging or electronics.
By KRIS LOVEKIN

Tony Foussat drives north from Escondido to the Pechanga reservation near Temecula to learn Luiseño, the language of his grandfather. He is not expecting a certificate or to advance his career as a sheet metal foreman. He just wants to recapture a piece of his history and then hand it down to his daughter.

Foussat, a 35-year-old member of the Pechanga Band of Luiseño Mission Indians, is one of about 60 new students in the Takic Language Revitalization Project, an ambitious partnership between Pechanga cultural leaders and UC Riverside aimed at reviving nearly extinct native languages.

“At home, after my lesson, I talk a little bit to my daughter,” Foussat said. He has taught some of the language to his wife, who is not a Native American, who likes to try the throaty consonants and doubled vowels of the Luiseño tongue.

“It’s hard, but he’s a good teacher,” Foussat said about Eric Elliott, a linguist hired by the project to teach classes for adults and children at the new Pechanga Tribal Government Center.
Elliott, who grew up in the Coachella Valley and learned the Luiseño, Cahuilla and Serrano languages from elders of area tribes, is a shy professor-type who comes alive in front of a classroom. Using computer-generated slides with celebrities as diverse as Jiminy Cricket, Britney Spears and Mother Teresa, he tries to appeal to all ages.

“Make that ‘k’ as far back in your throat as you can without upchucking,” he advises one recent adult class about the word qalwan, (kal-one) which is the plural of the verb “to be located somewhere.”

At the children’s class, immediately following, Elliott asked about the number of tickets they had earned and heard them answer in Luiseño.

“What’s the plural of the verb ‘to be located somewhere’?”, he asked.

“Mahdaat” (five), the children answered.

“It’s easy if you know it from before,” said Bianca, 12, whose family speaks some Luiseño at home. Her 9-year-old brother, Trevor, who wears his hair in a long braid to below his waist, said one of the advantages to brushing up his Luiseño is to have a secret language. “We can talk so no one else knows,” he said with a smile.

Theoretically, that won’t last much longer as this project moves forward and more people take lessons. The younger students are catching on even more quickly than the adults, Elliott said. That makes him optimistic about the pre-schoolers, who have just begun their lessons.

“Learning Luiseño is an important part of being Luiseño,” said Gary DuBois, director of Pechanga Cultural Resources. “We challenged UCR to create a comprehensive model of revitalization, and they rose to the challenge.”

Joel Martin, who holds the Rupert Costo Chair of American Indian Affairs, pulled together a team that includes literary scholars, anthropologists and historians, as well as language experts and early childhood development professionals from the UC Riverside Extension.

“Without the second-language teacher training expertise provided through the International Education Program, we could not have gotten this off the ground, and we wouldn’t have such good prospects for success,” Martin said. The team will write grants for new funds and promote the project as a national model at conferences. In November, in fact, they will present the program at the National Congress of the American Indian in San Diego.

“Language revitalization is difficult,” Martin said. Not only are there distractions that pull people away from language learning, but many projects fail because they lack sustained tribal support or systematic university involvement. “This project had both from the start,” Martin said. Eventually, the project will become self-sustaining as tribal members take over the teaching roles.

“We would like to make language learning rewarding for all ages, part of a larger healing process, and an important affirmation of Native identity,” Martin said. “California Indians have made it clear that they think this is a very important project, and we have taken that to heart.”

 Foussat, the sheet metal worker who comes from Escondido to learn the language, said this project has filled a need for him.

“A few days before he died, my grandfather started speaking Luiseño to me, reverting back to his childhood,” Foussat said. Not being able to understand his grandfather was frustrating for Foussat and it underscored the distance he felt between himself and his ancestral tongue. He wants to make sure his 7-year-old daughter, Tehya, does not experience the same thing.

Tehya means “precious,” but not in Luiseño. Foussat said he didn’t know any Luiseño at the time she was born. Like her father, she plays the flute. She carries it to events on the reservation. At a recent one, she held on to her father’s arm tightly as she watched the dancers.

“Afterward, she thanked me for taking her,” Foussat said, his pride in his daughter visible on his face. “She has a good feeling about it.”

Luiseño is one of approximately 100 tribal languages native to California. Fully half of those languages are now nearly extinct.

“We are hoping that the partnership at Pechanga blossoms and becomes a model for what can be done elsewhere,” said Martin. “UCR is a neighbor to more than 10 federally recognized tribes as well as several unrecognized ones. What we need to do now is take a strong program and make it useful to all California Indians.”
Fanzines
Library receives coveted Pelz collection

By RICARDO DURAN

The science fiction fanzine was the pre-Internet version of the chatroom.

It brought fans of the genre together on an equal footing with the writers, filmmakers and with interested scientists to discuss the merits of a work, develop ideas for new worlds, discuss a topic or engage in social critiques.

Those fan-club newsletters, which got their start in the 1920s, were usually written, published and circulated by small tightly knit groups of about 15 to 20 fans. In their mimeographed, usually stapled, pages were ongoing discussions, diatribes and dialogues among fans, the writers of the genre and the scientists who knew of, were developing or dreaming of the technologies being written about.

The fanzine erupted in popularity during the Great Depression as a cheap source of entertainment. With access to a mimeograph machine, some paper and staples or glue, a group of people could carry on an ongoing conversation, review books and dream.

The richness of that world has been largely lost and it has been through the efforts of the fans themselves that the fanzine survives in some form. Most have now given way to the Internet discussion boards or chatrooms. One such fan/conservator was Bruce Pelz a former UCLA librarian, ardent science fiction fan and fanzine collector who died in May at age 65.

For many years, his sizeable collection, estimated at more than 200,000 fanzines, were the focus of acquisition efforts by fans, collectors, private and public libraries – among them the University of California, Riverside Library.

“When word got out that Bruce, the top fanzine man in the country, was looking to let go of his collection, we had to scramble to compete with a number of fans – wealthy fans – who went after it,” said George Slusser, curator of the J. Lloyd Eaton Collection of Science Fiction, Fantasy, Horror and Utopia, and a professor of comparative literature. “We just didn’t have the wherewithal to compete head to head, money-wise, so there had to be some other reason for Bruce to leave us his collection.”

When the Special Collections staff landed the gift, considered priceless as a cultural heritage, with an estimated value of about $750,000 on the collectible markets, it was a coup. But it was a success that took some time in coming. Pelz had announced his intent to part with his collection several years ago.

“Bruce had told me of his intentions to give the collection to UC Riverside during the 1999 Eaton conference because, according to him, here it would make the greatest impact on the scholarly world,” he said.

Ultimately, it was the Eaton Collection’s reputation, and that of its namesake annual conferences, that won the day for the campus.

The Eaton Collection, part of Special Collections, is the world’s largest cataloged collection of materials in the fields of science fiction, fantasy, horror and utopian literature. It covers the genres from 1675 to the present. It contains 80,000 volumes, and many thousands of issues, with hundreds of titles, of science fiction and fantasy magazines, thousands of comic books, graphic novels, and the literary papers of some of the world’s great science fiction writers, like Anne McCaffrey, Robert Forward and Gregory Benford. It also already included about 45,000 issues of fanzines when Pelz made his donation.

The Eaton Collection started in 1969 with the acquisition of 7,500 rare and unusual science fiction hardbacks from J. Lloyd Eaton, a private collector in Oakland. The university has, since then, either purchased or received donations from other collections. In mid-August, when the Pelz collection arrived in hundreds of boxes and some 20 filing cabinets, some cataloged, most not, it quickly occupied an entire wall, from floor to ceiling, in the Special Collections on the fourth floor of the Tomás Rivera Library building.

Today the challenge for the Special Collections staff lies not in acquiring the collection, but in cataloguing and preserving the vast collection.

“The problem for a curator or librarian is how do you guide scholars through this,” Slusser shrugged. “There are no chapters, no verses, no volumes, no books. It’s going to constitute a change in the way we look at each bound piece.”

Then there’s the poor quality of the paper, the ink and the binding, all of which make the job of preservation daunting.

Slusser said interested fans and students could help the university bolster its preservation and cataloging efforts.

“The irony of the importance of science fiction as a literary genre today is not lost on the man who, as a boy, was fascinated with other worlds, but who would not dare bring the subject up during his undergraduate, graduate and postdoctoral studies.

“It was pretty much pooh-poohed as being unworthy of serious study,” said Slusser of the science fiction and fantasy genres. Today, science fiction is the subject of many a doctoral dissertation and the catalyst of a growing number of courses melding the humanities with the sciences. Science fiction has always been on the cutting edge of both technology and social issues because it delves into how humans react to change and challenge.

In their heyday, fanzines with titles such as “Squeegee,” “Stapled Loose Leaf,” “Chaos,” and “Cartoonzine,” questioned the conventions of the times and the limits of technology. And long before TV shows such as “The X-Files,” fanzines frequently offered weird, twisted paths toward “the truth” and questioned the motives of the government.

And if science fiction is the natural bridge between the scientific and the artistic, the fanzine was the natural bridge between the fans and the writers of the genre.

The Pelz collection is a tremendous boost to the value of a collection already considered world class by scholars from across the nation and around the world who come to Riverside to study the holdings at the Eaton Collection.

“This collection of fanzines is the stuff of future scholarship,” said Slusser. “I probably won’t get to it in my lifetime.”
Chance meeting leads to research funding
By KRIS LOVEKIN

Scott Fedick always dreamed of being an archeologist. He has found his niche at UC Riverside as an associate professor of anthropology, doing archeological field work to understand how the ancient Maya fed themselves in the wetlands of the Yucatan peninsula.

He also found a donor – someone who understood his work and wanted to support him – in an odd encounter at an out-of-the-way gas station. “We were driving these beat-up, funky vehicles and bowling trophies as hood ornaments,” Fedick remembered about one supply run in Cancun, Mexico in 1997. A man in a large, white Suburban at the next pump started razzing them about their vehicles and asking what they were doing with all the equipment and supplies.

The curious Suburban driver turned out to be Michael Baker, a fan of archeology, a retired attorney from Houston and, just by chance, the owner of the rancho adjacent to the El Edén Ecological Reserve, where Fedick’s project has been based for the last couple of years.

One thing led to another, and a few weeks later Baker offered to build a house and laboratory on his property for Fedick’s team. He also offered $200,000 over five years to support Fedick’s examination of the agricultural practices and ordinary village lives of the ancient Maya.

“He was impressed with the number of students involved in the project, and he liked the fact that we document the lives of the common people,” Fedick said. “A majority of the Maya lived in very small communities, and we need to know as much about them as we already know about the large ceremonial sites.”

At first, Fedick could hardly believe that Baker wanted to throw so many resources behind the project. But almost immediately he was receiving architectural drawings of the three-bedroom house and the fully plumbed and wired laboratory. Also, Baker said things like:

“How do I make out the check?”
“Feel free to use these facilities for as long as you want” and “What else can I do for you?”

In the years since Fedick met Baker at the gas station, he has taught many field classes for undergraduates and graduate students, right there on Baker’s property, 3,400 miles south of Riverside. Baker’s gift has offset the costs of food and housing for students in the field school.

Fedick estimates that 70 or 80 students have been to the site, producing 25 new research papers presented by students at national and international meetings. “In most cases, this was their first real archeology experience,” he said, a fact that may have played a role in launching several promising academic careers.

The research has uncovered the fact that despite the low soil content in the area, the Maya were able to feed themselves with careful agricultural practices. They controlled the mix of species in the forest to encourage fruit and nut production. They piled rocks around tree trunks to hold moisture near the ground. They harvested algae from the wetlands and used it to fertilize their crops. And, they built dikes in the wetlands to control soil and water movement for cultivation.

“We are working with colleagues at UCR and institutions in Mexico to see if these techniques can take what is now considered marginal agricultural land and make it produce food again,” Fedick said. “The ancient Maya can teach us some lessons about how to sustain agriculture.”

Fedick was accustomed to working with a series of smaller grants, sometimes having to change his project to fit a different funding source. With Baker’s support in the last four years, Fedick’s teams of students have mapped dozens of new sites in the region and are conducting an intensive study of a small ancient community located on Baker’s land.

“With Mike’s funding, we have done a sustained, serious study of this one region,” said Fedick, unfolding a large field map with penciled notations and torn edges. It is the paper equivalent of the computerized maps where he has saved and backed up his work. This groundwork has already helped Fedick’s team to obtain new grants, and they are currently working on several new proposals to sources such as the National Science Foundation.

If he lands more funding, Fedick knows he and his students will be spending time in the house and laboratory on Bakers’ property. And he knows what he will be driving: a large white Suburban donated by Baker earlier this year. No bowling trophies necessary.

“The ancient Maya can teach us some lessons about how to sustain agriculture.”

Merrill Baker, a student, works at the anthropology site in Mexico.
If the wealth of a university lies beyond the depth of its coffers into the richness of its scholarship, then Ronald Chilcote, professor of economics and political science, is a major benefactor.

After a nearly 40-year academic career, 32 of them teaching political economy at the University of California, Riverside, Chilcote donated to the campus library his personal collection of nearly 12,000 books and periodicals on the politics, economy and history of Latin America, Portugal and Portuguese-speaking Africa. The collection is housed in Special Collections, on the fourth floor of
much like the folklore surrounding more well-known names such as Pancho Villa in Mexico and Augusto Sandino in Nicaragua.

The Cordel pamphlets in the collection also include several woodcuts used to stamp the cover illustrations onto the booklets, which were hung on cords and sold at street-side stands. Taped interviews of famous troubadours, many of whom wrote or were written about in the booklets, are also in the collection.

Chilcote’s motivation to benefit the library runs as deeply as does his association with the campus.

“I’ve been at UCR almost my entire academic career and also, I’ve spent a good part of that time building the library’s collection on Latin America,” said Chilcote, who received a Ph.D. in political economy from Stanford University in 1965, two years after starting his career at UC Riverside. His fields include comparative politics, political economy and development theory.

At that time, there was very little material dealing with Latin America or Portuguese Africa in most U.S. libraries, let alone in the libraries of Latin American and African universities. Those historically under-funded libraries were sometimes weaker at stocking their own nations’ histories than their North American counterparts. To some extent, they remain that way today, according to Chilcote.

“I began approaching the problem like many Latin American intellectuals have – I collected my own material.” he said. “It was almost necessary if I wanted to do serious field work and research about the region.’

His work led him to Angola, where, in 1965, he was arrested, interrogated and briefly jailed before being kicked out of the country. He had attempted to talk with political leaders of that nation’s independence movements for his book, “Portuguese Africa.” He eventually did, and Prentice Hall published the book in 1967.

“The Portuguese government, then under the control of the dictator (Antonio Oliveira) Salazar, did not appreciate my previous writings,” Chilcote said.

That experience led him to focus his attention on Brazil and Latin America. Chilcote devoted critical attention to dependency theory, which roughly states that Latin America cannot develop along the lines of North America, which grew rich on trade with its neighbors to the south.

Chilcote also became a member of the respected social science journal “Latin American Perspectives,” one of the top five journals on the region available in the U.S., said Rhonda Neugebauer, the Latin American, humanities and social sciences bibliographer in the Collection Development Department at the library.

Apart from the books and periodicals, Chilcote’s collection includes folders, stacked at least three feet high, containing the ephemeral writings and illustrations from popular culture that reflect the political and economic tenor of the time. The folders mainly deal with northeast Brazil, an area of Latin America only thinly covered by Latin America scholars. Northeast Brazil is also the focus of several boxes of computer printouts with data collected in the 1980s, which deal with the Brazilian school system.

The Portuguese revolution of 1974 is another highlight of the collection. It includes about 1,500 books and pamphlets stacked at least 50 feet high; 1,500 volumes of comparative politics and comparative political economy, and 500 books on the Brazilian left including rare – and mostly complete – periodical runs, which deal with Brazilian local politics and the school system.

Because political discourse and history in Latin America and Africa is written by the winners, Chilcote’s collection of writings about Latin American and African revolutionary movements – most of which have been worker and peasant driven – provide a valuable resource for scholars interested in studying how such movements unfolded and why.

To maximize the use of his collection, Chilcote is also involved in developing an endowment, currently worth $35,000, to fund a fellowship to help scholars study the holdings. Chilcote would like to see it grow to about $100,000.

“Some of my former graduate students have taken on the task of building support for the endowment,” he said. The College of Humanities, Arts and Social Sciences is also working to enlarge the endowment.
By KAREN BRADFORD

Whether psychologists, marriage counselors or marketing and sales people, professionals would say that the best relationships consist of many factors, among them: open communication; anticipation of and fulfillment the other’s needs; and planning for a future together.

The relationship in this case is the Bourns College of Engineering (BCOE) and TRW, Inc., a global technology, manufacturing and services firm. Together, they are working toward a common goal: being the best in everything they do.

The history of UC Riverside and TRW dates to at least 1980, before the College of Engineering actually began, when the nearby San Bernardino TRW office began to hire recent graduates. When the company encouraged employees to gain their advanced engineering degrees, however, UCLA and the University of Southern California were the only options.

“That was quite a distance to commute,” said Hossny El-Sherief, Ph.D., manager of TRW’s electronics and software engineering center and now a BCOE adjunct professor. “We worked with the UC Riverside Electrical Engineering Department to develop a program specifically for graduate study. We made a strong case for it as a center of excellence for the local community so students wouldn’t have to go out of the area. It is a very strong relationship now that helps us and is a great value to us.”

Previously, some engineering courses were also taught through UC Riverside’s Extension program.

John Walsh, Ph.D., a TRW Systems Technical Fellow, said he became acquainted with the campus through the library. “The new science library is one of the benefits we have by being close to the campus,” he said. Walsh also represented his company at the campus’ 2001 annual Evening of Recognition banquet, accepting corporate recognition for establishing the TRW Electromagnetics Starter Fund and the TRW Engineering Fellowship Fund.

The electromagnetics start grant allowed Alex Balandin, associate professor in the Department of Electrical Engineering, to act on an idea of educational curriculum and experiments for students rather than specific research. He bought receivers, transmitters and a set of different antennas for field-testing.

“We go outside to the nearby athletic fields to do the tests,” Balandin said. “Sometimes, when
students want to get rid of wave reflections from passing cars, they go elsewhere or do tests later in the evening. Students are really happy with the hands-on experience with equipment. Many labs are limited to computer simulation.” The grant also allowed him to introduce experiment elements to electromagnetic courses, including additional equipment for new senior design projects.

Balandin invited TRW staffers James Fedele, Ph.D. and Louis Cassel to give short talks for his class. “They obviously enjoy talking to students,” he said. “Students like it for the chance to communicate with people from industry and learn about actual problems. TRW participates in Industry Day, and the company is very supportive of electromagnetics at UCR.”

Today, TRW’s involvement and support extends in many ways: scholarships for students; hiring graduates; research grants for professors; cash donations to the campus; and, employee donations and matching corporate donations that include designated gifts to the departments of music, political science, French and the KUCR radio station, as well as to the related sciences of mathematics and physics.

“If I’d use just one word, I would say ‘fruitful,’” said Jie Chen, chair of the Electrical Engineering Department, when asked to characterize the relationship between TRW and BCOE. “It is a partnership that has led to success in many different aspects. For example, TRW has continuously provided scholarships for students and support to some of our undergrad education programs and to our graduate students.

“In turn, BCOE worked with TRW to train technical staff members – quite a few – who have pursued advanced degrees in electrical engineering. It also has brought our students opportunities in some of the current, prevailing technological fields for which TRW is a leader: signal processing, communications and control systems. The expert input from a leading industrial company like TRW serves our students well.”

Another important TRW contribution is participation on the college’s Council of Advisors. It is an overarching group of senior executives from all over the country with backgrounds related to the areas of emphasis in the college.

Its objective is assisting in transforming the school’s vision into reality of a nationally recognized leader in engineering research and education. The COE Web site states the council “is essential” in guiding the college to prepare its students for getting jobs and advancing in the real world.

Additionally, it provides insight into approaches of competitive institutions and identifies matters that are important to the future of the college.

“The council tells the college what we think graduates will need in the future,” El-Sherief said. “Industry needs change, so the contributions of the advisory board tell the school what students need to know.”

“TRW is extremely proud of its continued support of UCR and close association with the BCOE,” stated Burton Yamada, TRW director of Western Operations and Missile Systems. “I feel very strongly that the technical expertise of our senior engineers should be shared with the academic sector. This practical knowledge is invaluable to the development of well-rounded engineers and is something we look for in industry.”

“TRW has been a committed local community member for more than 40 years,” said Linda Brandstetter, a TRW support services manager, about ways in which the company supports its region. Historically, the TRW San Bernardino site has been the systems engineering and missile engineering technology center for various U.S. Air Force projects.

“A lot of our staff have become experts in their fields and have been asked to teach courses at UCR,” she said. “As one of the few high-tech employers in the Inland Empire, we encourage this TRW-UCR association and support the furthering of the education of engineers.”

“We are very pleased to have such a full relationship with a company like TRW,” said David Lyall, director of development for the college. “TRW provides fellowship support for our students, hires our alumni, provides adjunct faculty to our College and generous funds for our research. They have been strong supporters of the college since the beginning.”

What benefits from this role do leaders at TRW hope to gain?

“Recruiting is the big one!” said Walsh. “The College of Engineering has a pool of good students who’ve heard of us and want to help us.” He added another benefit. College research projects help develop technology for the company to help solve its own problems. Company engineers work with faculty to develop curriculum and then fund the labs to do the work. Funding to areas that interest a company – such as TRW’s grant to enhance electromagnetics – is common.

Perhaps the best summary of the students’ learning and university-corporate relationship – reaching to be the best in everything they do – came from El-Sherief: “Consider the handshake that takes place. UCR students are exposed to newly evolving technologies and develop skill sets that are needed throughout the industry, not just at TRW,” he said. “And young minds tend to think ‘outside of the box,’ so we at TRW benefit from their fresh perspective...With its first-class students and research capabilities, UC Riverside compares very well to other institutions.”
By RICARDO DURAN

When she arrives on campus next month to become the eighth University Librarian, Ruth Jackson will face several challenges – a rapidly growing library in need of added resources, technology and direction amid a time of state budget deficits and a slumping economy.

Jackson will be the first African American, and the fourth woman, to lead the library. She will join a very small number of women of color who hold either directorships or assistant directorships in the elite Association of Research Libraries.

Jackson has, after all, thrived on challenging environments at Wichita State University, where she was dean of libraries and before then, at the University of West Virginia.

That is exactly why UC Riverside officials chose Jackson from a field of five finalists. “I am delighted that she has agreed to join UCR,” said Executive Vice Chancellor David H. Warren, who headed the nine-month search. “I am particularly impressed with her strategic approach to planning for the future of the UCR library and with her experience in creating effective relationships between the library and the colleges and schools. That is what puts the library at the heart of the university.”

Jackson’s expertise is in long-term planning, finding innovative uses for technology, forging partnerships both within and outside the campus and raising financial support for the libraries she has headed.

From 1977 to 1988, she was assistant librarian at the University of North Florida in Jacksonville and an associate professor and coordinator of the library science program at Virginia State University at Petersburg.

Jackson fills the position left vacant in January by the retirement of James Thompson. His 16-year tenure guided the library through an era of explosive growth, which is expected to continue as the enrollment is projected to reach 21,000 by the year 2010. Jackson is confident she can continue the library’s trajectory of growth.
The UC Riverside library includes special collections of rare volumes, about 12,500 journal subscriptions and more than 1.6 million microforms. Its Internet-based technological innovations include SCOTTY, the catalog of UC Riverside; MELVYL, which links the catalogues of all nine UC campuses; and the INFOMINE system, an index and search engine that links users to information worldwide. The library is also linked to the California Digital Library, a UC consortium for purchasing electronic journals.

The UC Riverside library includes special collections of rare and valuable materials housed on the fourth floor of the Rivera Library building. It includes the internationally known J. Lloyd Eaton Collection of Science Fiction, Fantasy, Horror, and Utopia, the largest such collection in the world. The Rupert Costo Library of the American Indian in Special Collections contains more than 80,000 items of local and California Indian culture and history. The Local History Collection includes more than 16,000 photographs and volumes of the history of Inland Southern California.

Among Jackson’s goals is the hiring of additional staff in key areas, such as information technology, developing a fund-raising system, enhancing the collection and the development of a strategic plan. She hopes to increase the public’s access to the library, decrease the costs of maintaining scholarly information in the collection and develop a system to deliver computerized information to the desks and laptops of faculty and students.

“I look at universities as the access points of the dissemination of information in society,” she said. “The library is the largest classroom and laboratory on the university campus.”

Stabilizing the library’s budget is perhaps her most challenging goal. As the student population swells in coming years, fund raising will become more and more important to the library.

“We need to establish various revenue streams by increasing the support of the public and coordinating our efforts with the University Foundation and the academic units and colleges on campus,” Jackson said.

Jackson's solid track record of accomplishment in Kansas, West Virginia and Northern Florida bodes well for UC Riverside, said campus officials.

Among Jackson’s accomplishments during a three-year tenure as dean of libraries at the 15,000-student Wichita State University are:

- Successfully led the move to automate the library and its eight branches and to secure the $1.2 million to do the job
- Developed three new positions to manage the libraries’ technological upgrades
- Worked with the university foundation to develop a fund-raising program for the libraries, which significantly increased endowments in six years
- Secured a $25 million commitment from the university administration to renovate and build an addition to the main library;
- Convinced leaders of the university’s college of creative arts, school of physical education and college of agriculture to merge their separate libraries with that of the university.

Jackson has represented libraries at the Governor’s Conference on Libraries and Information Service in Richmond, Virginia., and at the White House Conference on Libraries and Information Service in Washington, D.C. In 1992, she was a member of a research librarians’ delegation to Russia, the Ukraine and Hungary.

Jackson received a Ph.D. in Library and Information Science in 1976 from Indiana University in Bloomington. She has received fellowships from the U.S. Office of Education, Indiana University, the Southern Fellowship Foundation and the National Faculty Fellowships for Minority Research. She has held membership in Beta Phi Mu (National Honor Society for High Scholarship in Library Science) and Pi Lambda Theta (National Honor Society for Outstanding Women in Higher Education).
As chair of the UC Riverside Foundation (UCRF) Board of Trustees, I am pleased to report a record-breaking year for the Foundation. With the best overall year in UC Riverside’s history, private giving to the UCRF totaled $31,594,043. We maintained baseline fundraising of $17 million to $18 million, which is especially significant during a year of financial uncertainty in our country and abroad.

As chair of the UCRF, it has been my privilege to work with an exceptionally dedicated and generous group of trustees during fiscal year 2001-02. These 84 men and women are recognized as the leaders of corporations, businesses and communities in our region, state and nation. Throughout the year, they have demonstrated their abiding interest in the University of California, Riverside through investment of time, insight, emotional and financial support. A university — certainly the chair of a volunteer board – cannot ask for more.

As an alumna of UC Riverside, I continue to be amazed by the vigorous, steady growth of the institution. The faculty continues to increase in number, which is wonderful not only for the community of scholars and students within the intellectual boundaries of the campus, but for the surrounding communities, the State of California and the nation as well. More impor-
tantly, the professors who have joined UC Riverside are recognized worldwide as leading scholars in their fields of research. For the UCRF trustees, this growing and glowing belief in UC Riverside is deeply gratifying.

On behalf of the trustees of the foundation, I thank those corporations, foundations and organizations that have invested financial and intellectual resources to the university’s research endeavor. I recognize and thank those UC Riverside alumni who continue to give generously to their alma mater. Their achievements at the highest levels of business, technology, athletics, education, law, medicine, agriculture and the arts demonstrate every day UC Riverside’s strength to the world. And, of course, I thank the many valued friends who have selected UC Riverside as the beneficiary of their personal philanthropy.

In many ways, July 1, 2001 to June 30, 2002 has been a most difficult period of time in our country’s history – our sense of security and optimism have been shaken in ways we never conceived possible. I have taken tremendous comfort and pride in the fact that, as chair of the UC Riverside Foundation, I have been able to celebrate the best of humanity – UC Riverside’s exceptionally gifted faculty, the institution’s energetic and capable undergraduate and graduate students, the hundreds of dedicated volunteers and the wonderfully generous partners.

As men and women dedicated to the well-being of this university, we have a responsibility to our students – the next generation of leaders. We must serve as role models who, by example, show that tolerance and nurturance of each other is second nature, that celebration of our differences is part of who we are, and that through gifts of financial resources and human compassion, we all are investing in a most positive future of the region, state, nation and the world.

Yours truly,

Amy Susan Harrison
Chair

Amy Harrison (‘72) is chief administrative officer for ChildHelp U.S.A. and CEO of ALTUS in Grand Terrace. She has been a trustee of the UC Riverside Foundation Board since September 1997, has served on The A. Gary Anderson Graduate School of Management Executive Board since 1993 and has been a Chancellor’s Associate since 1994. Harrison was given the UCR Alumni Association’s 2000 Public Service Award, was one of the 1999 Business Press Women of Distinction, was one of two A. Gary Anderson Graduate School of Management Fellows in 1996-97 and was named AGSM’s Not-for-Profit Management Leader of the Year in 1994-95. In 1986, she was a charter member of the UC Riverside Athletic Hall of Fame.
University of California, Riverside Foundation

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Every effort has been made to provide a complete and accurate listing of donors and gifts received from July 1, 2001 to June 30, 2002. We apologize if any omissions or errors have been made.
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The Society has provided generous support for research in the Departments of Chemistry, Physics, and Earth Sciences at the University of California, Riverside.

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Today, Bayer AG is a chemicals and health care giant numbering some 350 individual companies, with representation in virtually every country in the world. Bayer strives for groundbreaking solutions as diverse as the spheres of life they benefit: more rapid and accurate diagnosis; active substances that combat hitherto incurable diseases; products that can be used in the lowest possible quantities and protect the habitats of natural flora and fauna; and plastics that make cars safer and more comfortable.

Since 1977, Bayer and its corporate family have, through generous gifts, supported research in Entomology, Plant Pathology, and Cooperative Extension. UC Riverside researchers have worked to screen unregistered insecticides for their effectiveness in controlling citrus and vineyard pests such as the glasy-winged sharpshooter, while showing growers how to use these chemicals in ways that make them more compatible with the natural enemies needed to defend crops against other pest species.

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The California HealthCare Foundation (CHCF) is an independent philanthropy committed to improving California’s health care delivery and financing systems. Formed in 1996, its goal is to ensure that all Californians have access to affordable, quality health care. CHCF commissions research, analyzes, publishes and disseminates information, convenes stakeholders and fund development of programs and models aimed at improving the health care delivery and financing systems. At the University of California, Riverside, CHCF has provided funding for the Center for Social and Behavioral Science Research.

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California is the leading producer of lettuce with an estimated 70 to 75 percent of the total U.S. production of iceberg lettuce and 80 to 85 percent of leaf lettuce. California’s position as a leader in the production and distribution of lettuce can be attributed, to a large degree, to the public and private research that has been funded since 1973 by the California Lettuce Research Board. At UC Riverside, Board funding has supported research in Entomology and Plant Pathology.
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The mission of the Citrus Research Board (CRB) is to ensure, improve, and protect the economic viability of the California citrus industry by supporting activities in the areas of quality assurance, production and variety research, information dissemination, and grower and public education. To accomplish these goals, the CRB establishes research priorities and provides funding on a priority basis to those efforts which are directed toward assuring that the citrus industry of California will be able to produce and market citrus fruits of the highest quality while being totally competitive in the marketplace, both domestic and international.

The long-standing partnership between the grower-funded Citrus Research Board and the University of California, Riverside has been marked by accomplishment, cooperation, and an ongoing commitment. From the inception of the program over thirty years ago to the present day, CRB has looked to UC Riverside researchers for priority work in the areas of entomology, plant management and physiology, plant diseases, exotic pest research, postharvest studies, and citrus plant improvement including plant breeding and genetics. In each of those arenas, there are many examples of just how productive and successful this industry-University partnership has been. To name one area alone, in the field of entomology a substantial body of important work by UC Riverside researchers in developing and improving the tools of biological control and integrated pest management has been vital to the continued health of the industry. Citing other examples and listing every subject of CRB-supported research at UC Riverside would take pages.

The UCR Foundation honors the Citrus Research Board as a Laureate and is grateful for its commitment to the University of California, Riverside.
The Health Effects Institute (HEI) is an independent, non-profit corporation chartered in 1980 to provide high-quality, impartial and relevant science on the health effects of pollutants from motor vehicles and from other sources in the environment. Supported jointly by the U.S. Environmental Protection Agency (EPA) and industry, HEI has funded over 170 studies and published over 100 research reports and several special reports. These studies have produced important research findings on the health effects of a variety of pollutants, including carbon monoxide, methanol and aldehydes, nitrogen oxides, diesel exhaust, ozone and, most recently, particulate air pollution. HEI has supported UC Riverside research in Entomology and the Air Pollution Research Center.

Cystic Fibrosis Foundation

The Cystic Fibrosis Foundation was established in 1955 to assure the development of the means to cure and control cystic fibrosis (CF) and to improve the quality of life for those with the disease. CF is a life-threatening, genetic disease which affects the lungs and digestive systems of 30,000 children and adults in the United States. The CF Foundation supports and accredits more than 110 care centers nationwide, which provide high-quality, specialized care for people with CF. These centers, located at major teaching and community hospitals, offer comprehensive diagnosis and treatment for people with CF and their families. The CF Foundation also supports the advancement of medical science by funding the Research Therapeutics Development Program, its own network of ten research centers at leading universities and medical schools throughout the United States. By applying state-of-the-art science to targeted research opportunities, these centers are bringing us closer to a cure.

The W.K. Kellogg Foundation

"To help people help themselves through the practical application of knowledge and resources to improve their quality of life and that of future generations" is the mission statement of the W.K. Kellogg Foundation. Since its establishment in 1930, the Foundation has continuously focused on building the capacity of individuals, communities and institutions to solve their own problems. The Kellogg Foundation has supported the Hispanic Border Leadership Institute at UC Riverside’s School of Education.

Knoll, Inc.

Founded in 1938 by Hans G. Knoll, Knoll, Inc. is a worldwide leader in the design and manufacture of office furnishings. The company has received hundreds of design awards since its founding and has objects on display in major art museums around the world. More than 30 Knoll products are included in the permanent Design Collection of The Museum of Modern Art in New York. Knoll has generously supported UC Riverside’s Marlan and Rosemary Bourns College of Engineering.
The mission of the Foundation is to contribute to better understanding of Korea in the international community and to promote international friendship by carrying out various exchange activities between the Republic of Korea and foreign countries. In pursuit of these goals, the Foundation supports scholars, research institutes and universities overseas, as well as cultural and personnel exchanges and the publishing and distribution of reference material. The Korea Foundation has provided generous support for research in Ethnic Studies in UC Riverside’s College of Humanities, Arts and Social Sciences.

Arthur L. and Peggy Littleworth

Arthur L. Littleworth is a senior partner in the law firm of Best, Best & Krieger. His history of service to the community goes far beyond his commitment to UC Riverside. As president of the Riverside school board in 1965, he oversaw the desegregation of the city’s schools. In fact, Riverside was the first school district in the nation to fully integrate voluntarily. Arthur and Peggy Littleworth established the Arthur L. Littleworth Endowed Scholarship at UC Riverside to provide financial assistance to students entering the university from the Riverside Unified School District. Having himself gone through college on a scholarship, Art Littleworth knows the tremendous impact such support can make in a young person’s life.

The Nature Conservancy

For more than a half century, The Nature Conservancy has worked to preserve the plants, animals and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive. By working closely with people, communities and businesses, the Conservancy has managed to protect over 92 million acres of land and water in the U.S. and worldwide. In 1991 the Conservancy transferred the 255-acre Emerson Oaks Reserve to the UC Natural Reserve System, under the management of the UC Riverside Department of Biology.

Occidental Chemical Corporation

Occidental Chemical Corporation (a subsidiary of Occidental Petroleum Corporation) is a leading chemical manufacturer, with interests in basic chemicals, vinyls, petrochemicals and performance products. As part of its commitment to research, Occidental has supported UC Riverside scientists working in the Departments of Botany and Plant Sciences and Soil and Environmental Sciences.

The LAUREATES
OF THE UNIVERSITY OF CALIFORNIA, RIVERSIDE

E.I. DU PONT DE NEMOURS AND COMPANY

Founded by Eleuthère Irénée du Pont in 1802, DuPont was, for its first century of existence, primarily an explosives manufacturer. In 1902, a younger generation of du Ponts assumed control and began the transition to a broad, science-based chemical company. Today, DuPont is dedicated to the work of improving life on our planet. It delivers science-based solutions in food and nutrition, health care, apparel, home and construction, electronics, and transportation.

During its 15-year history with UC Riverside, the company has supported the DuPont Internship/Fellowship, the Summer of Applied Geophysical Research, and research in Earth Sciences, Entomology, Biomedical Sciences, Botany and Plant Sciences, Chemistry, Cooperative Extension, Plant Pathology, Nematology, Soil and Environmental Sciences, the Statewide Air Pollution Research Center, and the Marlan and Rosemary Bourns College of Engineering Center for Environmental Research and Technology.

DuPont’s latest gift of intellectual property has the potential, when developed as a commercial product, to enable growers to successfully combat the weeds that compete against commodity crops in California farms and fields and to do so without leaving behind environmentally toxic chemicals that require remediation. The value of this technology across the California crop array is a prospect of exciting applicability and benefit that UC Riverside is proud to be entrusted with by DuPont.

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Mr. & Mrs. Jerome W. Stultz
Mr. & Mrs. J. Kent Steele
Mr. & Mrs. Loong S. Su
Mr. Anthony J. Sterling
Mr. Thomas R. Sylvester
Mrs. Marcella L. Stokes
Mr. Anthony G. Symmes
Mr. & Mrs. Sam S. Tanaka
Mr. & Mrs. Michael P. Sweeney
Mr. Ryan T. Taniguchi
Ms. Cheryl Tavaglione
Mrs. Patti Taylor
Ms. Sheri L. Taylor
Mr. Timothy T. Taylor
Mr. Tim Terrell
Mr. Mark A. Thompson
Dr. David B. Thordarson
Mr. David G. Thorpe
Mr. Justin Tracy
Mr. Edward H. Traylor
Mr. Rene A. Trejo
Mr. & Mrs. Gary L. Truxal
Mr. Dennis C. Trumpey
Ms. Vivian Tsai
Mr. & Mrs. Wendel W. Tucker
Mr. Vladimir Tudor
Mr. Terence A. Tungsteth
Mrs. Ruby J. Turriciano
Ms. Kimberly T. Uchiđa
Mr. Joel Udayke
Dr. & Mrs. Masayuki N. Utsumi
Dr. & Mrs. Seymour Van Gundy
Ms. Angela C. Vanderhorst
Mr. Sean Varner
Mr. Gary L. Vawter
Mr. & Mrs. Dale G. Washburn
Mr. & Mrs. J. Kent Steele
Mr. & Mrs. Dale G. Washburn
Mrs. Earnestine Watkins
Mr. & Mrs. James B. Watson
Mr. & Mrs. Don Webber-Plank
Mr. Nathan P. White, Jr.
Mr. Scott D. White
Mr. James H. White, Jr.
Mrs. Nancy J. Wightman
Ms. Audra N. I. Williams
Dr. & Mrs. William E. Williams
Mr. Moritz B. Wohanka
Ms. Rose C. H. Wong
Dr. Yvonne A. Wood
Mr. Ron Woodbury
Mrs. Virginia Woodis
Mr. Gregory J. Woolfson & Mrs. Ellen S. Woolfson
Mr. Dell Wright
Dr. Shirley Jean Wright
Mr. George L. Wyatt
Mr. Brian Wynne
Dr. Kevin W. H. Yee
Mr. Stephen H. Young
Ms. Wilma Young
Mr. Anthony Zahn
Mr. Ronald Zane
Mr. Edward D. Zimmerman
Mr. & Mrs. John Zugmoni

**Ralph M. Parsons Foundation**

The Ralph M. Parsons Foundation was established in 1961 as a modest gift-giving organization by the late Ralph M. Parsons, who founded the worldwide engineering and construction firm, the Parsons Corporation. Now a self-governing independent non-profit organization, the Parsons Foundation funds higher education, particularly in the fields of engineering, science and technology; social impact programs addressing issues affecting diverse and disadvantaged populations; health, especially the concerns of underserved populations; and an array of cultural and civic endeavors. At UC Riverside, the Foundation has supported research in Botany and Plant Sciences, as well as the university’s Center for Social and Behavioral Science Research.

**Pechanga Band of Luiseño Mission Indians**

Partnering with scholars at the University of California, Riverside, cultural leaders of the Pechanga Band of Luiseño Mission Indians have launched an ambitious effort to teach young tribal members their ancestral language and to create a model for revitalizing other endangered languages. The Takic Language Revitalization Project’s initial goal is the development of a teaching model; the ultimate goal is to develop a comprehensive language revitalization model that is nationally recognized and can be adopted by other Native tribes interested in preserving their tribal languages.

**Research Corporation**

The second foundation established in the United States and the only one devoted to the advancement of science, Research Corporation was founded in 1912. The Corporation views itself as “an active, hands-on foundation that stimulates advances in science, rather than subsidizing them.” Through both direct activities and funding of other organizations, Research Corporation seeks to address critical issues that impact science, scientific research and education. The Corporation has supported research in Chemistry at UC Riverside.

**Research Libraries Group, Inc.**

Research Libraries Group, Inc. (RLG) is a non-profit membership corporation of more than 160 universities, national libraries, archives, historical societies and other institutions with remarkable collections for research and learning. Rooted in collaborative work that addresses members’ shared goals for these collections, RLG develops and operates information resources used by members and nonmembers around the world, becoming a pioneer in developing cooperative solutions to the problems that research collections and their users face in the acquisition, delivery and preservation of information. The Research Libraries Group has supported the Eighteenth Century Short Title Catalogue project at UC Riverside.

**Electric Power Research Institute**

The Electric Power Research Institute, EPRI, was founded in 1973 as a non-profit energy research consortium for the benefit of utility members, their customers and society. It is committed to help solve today’s toughest energy problems and to provide the strategic science and technology vision and planning for a robust energy future. EPRI’s mission — to provide science and technology-based solutions of indispensable value to global energy stakeholders — is accomplished by managing a far-reaching program of scientific research, technology development and product implementation. Currently serving more than a thousand energy organizations worldwide, EPRI draws on a global network of technical and business expertise.

At the University of California, Riverside, EPRI has generously supported research in Science and Environmental Sciences, Plant Pathology and air pollution. Most recently, the Institute funded a two-year project to develop and apply a model to provide quick estimates of ozone. Normally, ozone predictions use extremely complex models that are so computationally cumbersome that computer simulations often run at real time: to simulate 24 hours requires 24 hours of computing time. Although the sources of ozone precursors are many and distributed nonuniformly in both time and space, the slowness of the highly complex models does not allow robust analysis of multiple alternative control strategies. In fact, these models are becoming more computationally demanding, but the increase in complexity has not been accompanied by improvements in explaining scientific observations of ozone and its precursors.

The EPRI-funded project examined the possibility of developing a model that would provide ozone estimates using a small fraction of the computational requirements of comprehensive models. UC Riverside researchers were successful in developing such a model; one that ran more than two orders of magnitude faster than existing models and produced comparable results. The main advantage of this Simplified Ozone Modeling System is that it can be used to robustly analyze multiple alternative control strategies over several years.

The UCR Foundation honors the Electric Power Research Institute as a Laureate and is grateful for its commitment to the University of California, Riverside.
CORPORATIONS, FOUNDATIONS & OTHER ORGANIZATIONS:

The following corporations, foundations and organizations have made contributions to UC Riverside during 2001-02.

Laureates
$1 million +

Bourns Foundation
Cadence Design Systems, Inc.
DuPont Crop Protection
Mentor Graphics Corporation

Benefactors
$100,000-$999,999

A. Gary Anderson Foundation
Advanced Engine Technologies, Inc.
American Chemical Society
Bank of America Foundation
Bayer Crop Sciences
Community Foundation Serving Riverside and San Bernardino Counties
Conexant Systems, Inc.
Ewing Marion Kauffman Foundation
Ford Foundation
General Motors Foundation
Hilda C. Liebig Revocable Trust
International Advanced Medical Enterprises, Inc.
James G. Boswell Foundation
LSG Research
Ralph M. Parsons Foundation
Rational Software Corporation
SE Corporation
Sikh Foundation
Syngenta Crop Protection, Inc.
USA Waste of California, Inc.
W.K. Kellogg Foundation

Chancellor’s Circle
$50,000-$99,999

ABC Laboratories, Inc.
Ahmanson Foundation
American Heart Association
Aventis Environmental Science
Bayer Corporation
California Pistachio Commission
Dye Family Foundation
Energy Foundation
Ford Motor Company
Life Extension Foundation, Inc.
Lossett Family Foundation
Monsanto Foundation

National Youth Sports Program Fund
Spencer Foundation
Susan G. Komen Breast Cancer Foundation
Valent USA Corporation

Foundation Circle
$25,000-$49,999

Arrowhead Mechanical
BASF Corporation Consumer Products & Life Science Division
Bayer AG, BU Animal Health
CMVCA Research Foundation, Inc.
E.L. DuPont & Company
Eighteenth Century Short Title Catalogue for N. America
Florida Cryonics Association, Inc.
Ford Motor Company Research Laboratory
Gladys Krieble Delmas Foundation
GlaxoSmithKline
Hutton Development Company
National Multiple Sclerosis Society
Novo Nordisk
Operation Safe House, Inc.
Pechanga Band of Luiseño Mission Indians
Poorman-Heyt-Stratford Foundation
ProWest PDM, Inc.
Rockefeller Foundation
Sun Microsystems, Inc.
Syngenta
Valent BioSciences Corporation
West Coast Turf
Yamaha Motor Corporation USA

GenCorp Foundation, Inc.
Gowan Company
Guidant Foundation, Inc.
Horticulture Research Institute International Rectifier
J. W. & Idia M. Jameson Foundation
James A. & Sharon C. Eskridge Family Foundation
Krieger & Stewart
Merk & Co., Inc.
Meridian, LLC
Michael Baker Family Foundation
Mission Inn Historic Landmark Press Enterprise
Redox Chemicals, Inc.
Riverside Community Hospital
Rohm and Haas Company
SBC Communications, Inc.
SCPGA Foundation, Inc.
Southern California Gas Company
Southern California Golf Association
Southern California Turfgrass Council
Southern California Turfgrass Foundation
Southland Soda Farms
Sweeney Foundation
Target Specialty Products
U.S. Civilian Research & Development Foundation
Uniroyal Chemical Company, Inc.
Unisys Corporation
Zoological Society of San Diego

Seeds West, Inc.
Target
Teledyne Electronic Technologies
United Agri Products
Valley Independent Bank
W.R. Layne Construction & Engineering
Western Exterminator Company
Xerox Foundation
Yeager Brothers

Chancellor’s Associates Blue
$2,500-$4,999

AB Ludvig Svensson
A-G Sod Farms, Inc.
Archive Management Service of the Inland Empire
Arrowhead Credit Union
Aventis
Blackmore Financial Services
Blue Banner Company
Boeing Company

THE SIKH FOUNDATION

The Sikh Foundation was founded in 1967 to promote the heritage and future of Sikhism. It is a non-profit and non-political charitable organization. Its objectives are to pass on the Sikh heritage to the growing Sikh diaspora in the West, particularly the youth; introduce the world to the ethics, mysticism, arts, literature and heroism of the Sikhs; contribute Sikh perspectives to issues of common human concern; advance Sikh culture by advancing the tradition of critical and creative thinking that gave birth to the faith; and to create policy on planning for the anticipated growth in the region while protecting the natural environment.

DONALD AND GERALDYNE SHAEVEL

Donald and Geraldyne Shaevel did not attend the University of California, Riverside, nor did their children. They have never been employed by UC Riverside, and they don’t live in Riverside. Yet over the last four years, Geri, an artist, and Don, retired from the pharmacy he owned for three decades, have given generously to support the activities of UC Riverside. Thanks to the Shaevels, the campus organization has found the necessary support to provide Jewish students with holiday programs, conferences, leadership programs, Holocaust remembrance activities, and outreach programs, as well as kosher food for observant students.

ALI SAHABI

SE CORPORATION

While Edward J. Blakely, an alumnus of the University of California, Riverside, was dean of the Urban and Regional Planning School at the University of Southern California, his teaching and vision proved inspiring to a young graduate student. Today, that student, Ali Sahabi, is president of SE Corporation, a development company active in inland Southern California. Still inspired by Dr. Blakely, Mr. Sahabi and SE Corporation have funded a planning grant and conference on sustainable suburban development at UC Riverside. Scholars and policy leaders will gather to outline the direction of a proposed center for sustainable suburban development at UC Riverside. The center will bring students, environmental activists and political and community leaders together to conduct research and discuss and create policy on planning for the anticipated growth in the region while protecting the natural environment.
Marlan and Rosemary Bourns College of Engineering contributed to research in Conservation Biology and the commitment to the community, USA Waste has USA Waste employees participate in volunteer efforts money and services to a broad variety of local events. community activities and initiatives and contributes community organizations, participates in numerous citizen through a vigorous and growing community and embraces the opportunity to be a good corporate is strongly committed to the safe and responsible comprehensive waste management services. The company

Made up of more than 9,100 private and public golf courses, clubs and facilities, the United States Golf Association (USGA) has served as the national governing body of golf since its formation in 1894. A non-profit organization run by golfers for the benefit of golfers, the Association sponsors programs that benefit everyone who plays the game. As part of this mission, the USGA funds research that leads to improved grasses and playing surfaces that require less water and maintenance and can better endure diseases and pests. These grasses and playing surfaces can be used in a wide variety of climates. The USGA is also the largest contributor to research on the impact of golf courses on the environment. At the University of California, Riverside, USGA research funding has gone to Entomology, Plant Pathology, Soil and Environmental Sciences, Agricultural Operations and Botany and Plant Sciences.

USA Waste of California, Inc., a subsidiary of Waste Management, Inc., is its industry’s leading provider of comprehensive waste management services. The company is strongly committed to the safe and responsible management of waste and the highest quality of service and embraces the opportunity to be a good corporate citizen through a vigorous and growing community relations program. USA Waste is involved in local community organizations, participates in numerous community activities and initiatives and contributes money and services to a broad variety of local events. USA Waste employees participate in volunteer efforts throughout their communities. As part of this commitment to the community, USA Waste has contributed to research in Conservation Biology and the Marlan and Rosemary Bourns College of Engineering Center for Environmental Research and Technology.

Valero Energy Company

One of the top U.S. refining companies, the Valero Energy Company’s refining network stretches from Canada to the U.S. Gulf Coast and West Coast. Valero also has 4,800 miles of refined product and crude oil pipelines and approximately 4,600 retail sites in the United States and Canada. The company has long been recognized as a leader in the production of premium, environmentally clean products, such as reformulated gasoline, California Air Resources Board Phase II gasoline, and low-sulfur diesel and oxygenates. As part of this commitment to the environment, Valero has generously supported research at the Center for Environmental Research and Technology in UC Riverside’s Marlan and Rosemary Bourns College of Engineering. First American Title Insurance Company George Yardley Co., Inc. Gersh Agency Go forth & Marti Gold’s Gym Harris Moran Seed Company Hyatt Regency Waikiki Resort & Spa Inland Empire Foods, Inc. Jewish Communal Fund Joseph Weole & Jan Kesner Gallery Makhteshim-Agan of North America, Inc. Management Plus McGraw-Hill Companies MLD/Genisoy Products Pick & Boydston, LLP Quality Turf Pepsi Bottling Group, Inc. Riverside County’s Credit Union Sheraton Waikiki Hotel Sipcam Agro USA, Inc. Society of Toxicology T.E.N. Construction Talbot Insurance & Financial Services, Inc. Temple-Inland Foundation Thompson & Colegate, LLP TRW, Inc. Wellmark International

Chancellor’s Associates
$1,500-$2,499


Chancellor’s Fellows
$1,000-$1,499


Highlander Club $500-$999
Adkan Engineers Agua Caliente Band of Cahuilla Indians Alton Geoscience Ambient Environmental, Inc. Bank of Hernet Barney Northcote, Inc. Best Western Capistrano Inn
Yamaha Motor Corporation USA

Since 1958, Yamaha has striven to contribute to the quality of life of people of all ages through the constant pursuit of superior quality, performance and value in products and services that exceed the expectations of the customer. A manufacturer of motorcycles, ATVs, pleasure boats, snowmobiles, personal watercraft, golf carts, outboard motors and generators, the company believes that the pursuit of sports and leisure is one of the special joys that mankind can consider its own - to go faster, with intense exhilaration, greater security and comfort. Creating the opportunity for excitement and joyful, memorable experiences is what Yamaha Motor Corporation, USA, is all about. Yamaha has been generous in its support of research at UC Riverside. The company supports Botany and Plant Sciences, Entomology and Nematology.

Walnut Marketing Board

The first commercial plantings of walnuts in California began in 1867 when Joseph Sexton, an orchardist and nurseryman in the Santa Barbara County town of Goleta, planted English walnuts. The Walnut Marketing Board (WMB) was established in 1933 to represent the walnut growers and handlers of California. The Board promotes usage of walnuts in the U.S. through publicity, product promotions and production research and education programs. Today, California walnuts account for 99 percent of the commercial U.S. supply and two-thirds of the world supply. Among the research programs the Board has supported at UC Riverside are studies in Botany and Plant Sciences, Entomology and Nematology.

Whitehall Foundation, Inc.

The Whitehall Foundation is a non-profit corporation which, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the Foundation’s policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal agencies or other foundations with specialized missions. The focus is on assisting basic research in vertebrate and invertebrate neurobiology in the United States, specifically research concerning neural mechanisms involved in sensory, motor and other complex functions of the whole organism as these relate to behavior. The overall goal is to better understand behavioral output or brain mechanisms of behavior. The Whitehall Foundation has generously supported research in Neuroscience at UC Riverside.

Peggy Fouke Wortz and James M. Wortz

Longtime leaders in Riverside philanthropy and community service, Peggy Fouke Wortz and James M. Wortz have been valued friends of the University of California, Riverside for decades. Mrs. Wortz, a Trustee Emerita of the University of California, Riverside Foundation, was one of the Foundation’s first trustees and is a recipient of the UC Riverside Founders Day Award and Chancellor’s Medal. Mr. Wortz was a founding member of the Citizens University Committee. They have given generously to many programs on campus, including the UC Riverside/California Museum of Photography, the arts, University Extension, scholarships, and athletics. Most recently, they have provided both the funding and the impetus for the Botanic Gardens Gateway Project.
Members of The Watkins Society are those men and women who have included the University of California, Riverside in their estate planning. An asterisk (*) indicates a new member this year.

The Watkins Society
2001 - 2002

Nancy A. Adrian-Hall (’81)  
Douglas Alexander  
Dr. Laura Lee Appleton (‘64)  
Judy Field Baker (‘58) and James D. Baker  
Dr. Mary Ann Baker  
Dr. Edward J. Blakely (’60)  
Barbara B. Brink (’73)  
Dr. Sylvia Broadbent  
Elizabeth Butterworth  
* Tranquil H. Calley and John Calley  
Dr. Homer Chapman  
Oscar Clarke and Marsia Alexander-Clarke  
Henry W. Coil, Jr.  
* Betty Coleman  
* Frances Culver  
Don and Barbara Donner  
William T. Drysdale  
Greg A. Dunn (’73)  
* Vernon Eady  
* Dr. Donald C. Erwin and Veora E. Erwin  
Alan and Carolyn Ferguson  
John F. Fiacco (’70)  
Dr. Theodore W. Fisher  
Monica Florian (’70) and Luis Florian  
Aida Foti  
Patti L. Francis  
Dr. Morris J. and Gloria Garber  
Anne U. Goldstein  
Dr. Victor H. Goodman and Marjorie Goodman  
Terry L. Green (’72, 76 M.A.) and Jackie H. Green  
James M. Greenfield (’58)  
Dr. Lynn G. Gref (’63, ’64 M.A., ’66 Ph.D.) and Sally Gref  
* Amy S. Harrison (’72)  
* Dr. Esther F. Hays and Dr. Daniel Hays  
Howard H (Tim) Hays and Susie Hays  
Chancellor Emeritus  
Ivan Hinderaker and Birk Hinderaker  
Dr. Robert V. Hine, Jr.  
James C. Holloway  
James E. Holloway, Sr.  
* Dr. Kenneth P. Ishida (’88 M.S., ’93 Ph.D.)  
Ruth Jones  
* Dr. Anne Kernan  
Rosalie C. Ketchersid  
* Phyllis P. Kettler and Ray Kettler  
Richard Kokes  
Dr. Martin J. Kolbezen  
Joan Lake  
Kathleen A. Lamb (’65, ’71 M.S.)  
Donald and Arlette Lea  
Collette Lee and Dr. Gary D. Lee (’73)  
Helen Leibacher  
Diane L. Levin (’70) and Sidney Levin  
Dr. Franklin and Cora Lindeburg  
Arthur L. and Peggy Littleworth  
Gwendolyn Locke  
William and Karen Locklin  
Grace Pernett Lorenz  
Laurie Ann Maguire (’77, ’80 M.Admin.)  
Dr. Carl H. Marcoux (’94 Ph.D.) and Ana Virginia Marcoux  
Bettie L. Furuta Martin  
Patricia D. McSweeny McGauley  
Dr. Raymond S. Mullen and Dr. Barbara B. Mullen  
Dr. Sheryl Mylan (’86 Ph.D.) and Michael Mylan  
Dr. Anthony W. Norman and Dr. Helen Henry  
Patricia M. Noyes (’69)  
* Dr. Carl H. Marcoux (’94 Ph.D.) and Ana Virginia Marcoux  
Bettie L. Furuta Martin  
Patricia D. McSweeny McGauley  
Dr. Raymond S. Mullen and Dr. Barbara B. Mullen  
Dr. Sheryl Mylan (’86 Ph.D.) and Michael Mylan  
Dr. Anthony W. Norman and Dr. Helen Henry  
Patricia M. Noyes (’69)  
* Dr. Anneliese Scherf-Bliss  
Willa Schwalm  
In Memoriam 2002  
Al A. Allanson  
Larry E. Burgess, Sr.  
A. Anthony Culver  
Dorothy Pease  
Ernest L. Probes, M.D.  
Ethel Silver  
Sarah K. Wall
60s

'61 Dan Secord went to medical school after graduating from UC Riverside. He has practiced Ob/Gyn in Santa Barbara for the last 30 years, delivering over 6,000 babies. Dan retired and is serving the City of Santa Barbara as a city council member. He flies a Bonanza, sails boats, sings, rides a bike and generally has most excellent adventures with his five kids, five grandchildren and wife of 35 years.

'66 Richard Parke was honored at a reception for his 20 years of service to McLean Bible Church in McLean, Virginia. The church has over 6,000 worshippers weekly, not counting children. Richard’s book, “Burial or Cremation? What Does the Bible Say?” has been published by Arto Publications.

'69 W. Bruce Shepard (’70 M.A., ’72 Ph.D.) is the fourth chancellor for the University of Wisconsin-Green Bay. He was introduced to the University of Wisconsin-Green Bay community at the university’s opening convocation August 29. Bruce was installed as chancellor in a public ceremony on September 20 … Daniel Vagird (’71 M.A.) is the director of the Office for the Responsible Conduct of Research at Columbia University. His responsibilities include fostering and maintaining university-wide standards and practices that support compliance with federal and state regulations, university policies and establishing ethical standards regarding research activities.

70s

'70 Margaret Winters (M.A.) is the associate provost for academic personnel at Wayne State University in Detroit. For the last 25 years, Margaret was a faculty member and administrator at Southern Illinois University in Carbondale.

'73 Michael Bond is the service club columnist for the Glendale News-Press. Michael lives in Burbank as a tax lawyer and estate planner.

'74 Kathy Leonard was promoted to professor of Spanish and Hispanic linguistics at Iowa State University where she has taught since 1991. She is currently head of the Spanish Department’s faculty and directs the study abroad program in La Paz, Bolivia … Armando Navarro (Ph.D.) and Danny Morales (’76 M.A.) were sworn in as members of the State Central Committee for the Party of Democratic Revolution (PRD) of Mexico. Agenda items for the committee include: rights of Mexican citizens who live in the United States to vote in Mexico’s forthcoming elections, migrant deaths at the U.S.-Mexico border, coordination of political campaigns in Mexico, the role of immigrants in the United States in developing Mexico’s democracy and economy, the role of immigrants in the U.S. economy and politics and the campaign for dual nationality … David Rapaport (’80 Ph.D.) is a professor in the Department of Surgery, Division of Anatomy at the UCSD School of Medicine. In addition, he serves as chair of the recruitment and admissions committee at the UCSD School of Medicine.

'76 Sharon Hofer (M.A., ’77 Teaching Credential) is teaching 7th grade science at Sierra Middle School in Riverside. She lives with her daughter Katie and her husband Richard Hofer. Richard is pursuing a bachelor of science in math and a teaching credential at Cal Poly Pomona … Karl Johns received his master’s degree in library and information science from San Jose State University in August 2001.

'78 Ann Bolger is an associate clinical professor of Medicine at UCSF and director of echocardiography at San Francisco General Hospital. She is known internationally for her innovative research in cardiac imaging and has an impressive record of publications, teaching awards, grant support and invited participation in symposia. Ann participates regularly in American Heart Association programs and is a spokesperson for the association.

80s

'81 Jim Cable is president and CEO of Peregrine Semiconductor in San Diego. Jim has over 20 years of experience in semiconductor research, development and production. He joined the company in October of 1996 as vice president of technology and engineering … Katie Vaclavik’s quilts were featured at the Roundtree Gallery in Wisconsin. Katie is an active member of the Dubuque-based Cable Car Quilters Guild.

'82 Kelly Speer Hatfield received her master’s degree in education from the University of Houston in 1997 and then moved to Colorado where she taught as a writing specialist. Kelly writes educational books for McGraw-Hill Children’s Publishing.

'84 Roxanne Berch is a math teacher at Colton High School and was

90s

'90 Sean Johnson is vice president and construction loan manager for Southwest Community Bank. Sean handles new construction, commercial real estate and SBA loans, primarily in Riverside and Orange counties.

'91 Tonya Graham Jamois is the vice president of International Cesarean Awareness Network (ICAN). ICAN is a non-

Names printed in red indicate members of the UCR Alumni Association. To update your membership, see page 44.
graduated from Jefferson Medical College in 1992. In 1996, James completed his residency at Los Angeles County USC in Emergency Medicine. He received a master’s in health administration in 2001. James is now the medical director for the department of emergency medicine at Santa Rosa Memorial Hospital.

85 Narca Moore-Craig’s sculpture, “Horsemakers,” is on display at the Rodeo, New Mexico. Chiricahuahua Gallery as a tribute to “The Trail of the Painted Ponies.”

86 Dave Jacobsson joined Sandy Corporation as a product trainer for Chevrolet in the southwest region. He was a consultant for GM, BMW, Audi, Nissan, Isuzu and Mercedes, working on new vehicle introductions and nationwide training. Wayne Killen (M.B.A.) was appointed as the Maybach brand manager for Mercedes-Benz USA. Wayne will develop U.S. strategies and coordinate execution of the new Maybach brand.

87 Lance Merker (’91 M.B.A.) is president and CEO of WebsiteASP, Inc. Lance has played a key role in the development of the WebsiteASP business plan and product test marketing. Prior to WebsiteASP, Lance held several positions at Mainstay, a desktop software publisher and predecessor to WebsiteASP.

88 Victor S. Anderson is a computer applications and technology teacher at Medea Creek Middle School in Oak Park Calif. Victor was practicing law and had put himself through law school as a journeyman carpenter and estimator. After 15 years of beginning a career in the legal field, Victor’s wife, Joanne E. (Reeves) Anderson (’88) has also decided to change careers and become a teacher. She began student teaching at El Rio de la Valle Middle School in Oxnard this fall. Joanne had worked her way from a legal secretary to a certified paralegal, to a legal administrator during her legal career. Mountain climbing, scuba diving, skiing, mountain biking, sailing and traveling are just a few of their passions.

89 Heidi Gou received her master’s degree in education from San Jose State University in December 2001. 89 Heidi Gou received her master’s degree in education from San Jose State University in May 2002. Sharon Hobbs is principal of Valley View Elementary School in Riverside. She has been a part-time professor of education at California State University, San Bernardino since 1999 and was selected to speak at the 2002 credential ceremony at CSUSB in May 2002. Jerry Swain, founder and president of Swain Creations, won “Best of Show” and “Best New Confection” award at the Retail Confectioners International (RCI) 82nd Annual Convention and Industry Exposition. Both awards were for the company’s newest sensual product “Pretzo Change-O.” Swain Creations’ first product launched in 2000. It was “Jer’s Incrediballs,” now known as the Original Incrediball, a “Best First-Time Confection” winner in 2001.

additional text
company two years ago. After going on sabbatical for a year, Matthew discovered his calling and is now an executive life coach.

’95 Omid Bakhtar (’98 M.S.) received a doctor of medicine degree from the Medical College of Wisconsin. He was selected by the members of his graduating class to be honored with the Millmann Award. He began a pathology residency at UC San Diego … Daniel Baltes earned his juris doctorate degree from Western State University. His wife, Cheryl Smith Baltes (’95), earned her master of arts in English literature from Chapman University in December 2001. The couple celebrated the birth of their girl/boy twins, Madison and Riley, in July 2002 … Siva Hari (M.S., ’96 Ph.D.) is president and chief executive officer of Jarrow Industries Inc., a Santa Fe Springs health supplements company … Tricia-Renee Hinz-Smith is in graduate school at CSU Fullerton working on her M.A. in political science. She married her husband, Matt, in June 2001 … Julia (Higgins) Taylor is the elementary assistant principal at Capistrano Valley Christian School in San Juan Capistrano. Julia earned her master’s degree in education from Azusa Pacific University. She and her husband of three years reside in Corona.

’96 Andy Owen was the director of instruction for the California Coast Baseball Academy, a week-long baseball camp for boys and girls at Pasadena’s Marshall High School.

’97 Adrian Sosa is engaged to his girlfriend of two years.

’98 Christine Bogosian graduated from Golden Gate University School of Law in May 2001. She passed the state bar exam in November 2001 and is currently the deputy district attorney in Santa Rosa … Christa Anne Curtis completed law school at Western State University of Law in Fullerton and received her degree at a spring ceremony … Alicia Espinoza is an admissions counselor for McKendree College in Illinois. She is responsible for recruiting students to the college from Chicago and northern Illinois … Kristopher Tadashi Hiraoka (’00 M.B.A.) is a board member of Southwestern University School of Law’s Interscholastic Trial Advocacy Program (ITAP) Board of Governors. Through ITAP, law students are sent to national competitions where participants demonstrate their skills in case preparation, opening and closing arguments, direct and cross examination and use of expert witnesses in mock trials … Ester (Jutras) Stronger was married on December 23, 2000. Ester is the vice president of membership development for the Anaheim Chamber of Commerce. She serves as the treasurer for the Anaheim Republican Women, Federate, as a mentor for school children, through the program, “Anaheim Achieves,” and on the board for the International Dance Academy in Santa Ana which works with many non-profit organizations that help children, such as “Sports-Educators of America.” In January 2002, Ester was crowned Mrs. Anaheim 2002. She is involved with the Juvenile Diabetes Research Foundation, serving as a team captain for the Walk coming up soon. The year after graduating from UC Riverside, Ester was able to earn a life insurance license and a notary commission. She loves to ride her motorcycle and play racquetball and has two sisters and five step-children … Daniel Woolley received his master’s degree in biological sciences from San Jose State University in May 2002.

’99 Amy Collen received her master’s degree in library and information science from San Jose State University in December 2001 … John Medina is completing his last year of law school at Rutgers University School of Law. He is a managing editor of the law school’s “Race and the Law Review.” He received the Levin Scholarship, the Equal Justice America Fellowship and the Wenk Fellowship for his work and dedication to public interest and had the opportunity to work at the ACLU last fall as a legal intern. There he developed possible cases involving issues such as inadequate medical care at a federal prison and government procurement of interest payments that may be due to persons out on bail or victims of domestic violence. He was also an intern at GMHC, Inc. last summer where he was exposed to a broad range of legal issues relating to people living with HIV/AIDS, including housing, estate planning, family, immigration and discrimination. He is currently a legal intern at Legal Action Center in New York City … Luong Tran received his master’s degree in chemical engineering from San Jose State University in May 2002.
John V. Stroud (’61)
new president of the Alumni Association

John V. Stroud is the 31st president of the UCR Alumni Association. Stroud received his bachelor’s degree in political science in 1961 and was the class valedictorian. He began his Alumni Association board service in 1995 and will now serve as president of UC Riverside’s largest constituency.

Stroud was born in Montclair, New Jersey. When he was 12, his family moved to Riverside. “The decision to attend UC Riverside was an easy one for me, it was my first choice when I was applying to colleges and I was accepted,” Stroud said.

In 1964, Stroud received his juris doctorate degree from the University of San Diego and has been active in the legal arena ever since.

“I joined the Alumni Association as a life member within a few years of graduation. I didn’t become active until I attended U.C. Day in Sacramento during the late ’80s.”

Stroud began his service with the association as a board member in 1995. He served a two-year term each as secretary-treasurer and president-elect.

As the new incoming president of the Alumni Association, Stroud serves as the chair for the executive committee and is an ex-officio member of every association committee. In addition, he will serve as a member of the UC Riverside Foundation Board of Trustees and the Alumni Associations of the University of California (AAUC), a systemwide umbrella organization representing all UC alumni.

Some of Stroud’s major goals during the term of his presidency for the UCR Alumni Association include: “establishing a close relationship between Chancellor Córdovala and the association, have a ground breaking ceremony for the Alumni and Visitors Center and, of course, to continue building a healthy and vibrant Alumni Association.”

Stroud has always been a strong advocate for community support. In his hometown of Folsom he is a member of the chamber of commerce, the Rotary Club and the Folsom Historical Society. Stroud was president of the Judges, Marshals and Constables Association of California in 1981 and vice president of the California Judges Association in 1989.

He has traveled to every continent including Greenland and enjoys time camping, hiking and playing water sports.

Stroud retired as judge of the Superior Court of California and is currently presiding in various California courts under assignment by the chief justice.

Alumni and Constituent Relations Calendar

November 14
Fall Quarter UCR Alumni Association Executive Committee Meeting, 1-3 p.m., California Council on Science and Technology Conference Room 206, University Village

Fall Quarter UCR Alumni Association Board Meeting, 3-5:30 p.m., University Village Conference Room

UCR Alumni Association Scholars Reception, 6-7 p.m., University Extension Room E

Homecoming 2003
(January 27 - February 1)

January 31; Alumni Awards Banquet, 6-9 p.m., Commons Dining Room. For reservations and information, contact the Alumni Association

February 1; Homecoming and Reunion Activities; For reservations and information, contact the Alumni Association

UCR Retirees’ Association
Dec. 13; UC Riverside Retirees’ Holiday Party; 11:30 a.m. at Pentland Hills Hall. For reservations & info, contact Betty Morton (909) 689-4381 or e-mail: themortons@aol.com

Investment Club, 1 p.m., Human Resources Employee Development Center, UC Riverside. Cost: $100 initial fee, $25 monthly. Information contact: Sal Martino, (714) 854-0220 or salm@exo.com Meetings: Nov. 6, Dec. 11. Jan. 8, Bridge Club, 11:30 a.m.; Elks Club, 6166 Brockton Ave., Riverside.

Cost: Lunch purchase.
Information: Marti Orth, (909) 242-5297 or mbtime@prodigy.net Meetings: Nov. 18, Dec. 16, Jan. 20

Computer Workshop, 1 p.m., Room 122, Science Library, UC Riverside. Cost: Free.
Information: Sal Martino (714) 854-0220 or salm@exo.com Meetings: Nov. 21, Jan. 16

Mark your calendar:
Homecoming, Saturday, February 1, 2003

How to contact the UCR Alumni Association
Web site: www.alumni.ucr.edu
E-mail: ucralum@citrus.ucr.edu
Phone: (909) 787-4511 or (800) 426-ALUM (2586)
Alumni Update & Membership Application

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Employer ____________________________Business Phone (______) __________

E-mail Address _______________________________________________________

Spouse’s Name ____________________________Class Year___________________

News you would like to share in the Class Notes section of Fiat Lux

Mail to the UCR Alumni Association, 100 A Highlander Hall, Riverside, CA 92521-0110, e-mail to ucalum@citrus.ucr.edu or update online at www.alumni.ucr.edu/involved/update.html.

Visit www.alumni.ucr.edu to view the calendar of events, see all the membership benefits and even join online!

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When you live in New York City and have traveled all over the world, you need a base. For more than 40 years, UCR has been and continues to be my home base. My most important personal and professional growth started at UCR. I find my return visits to the campus are an inspiration for me. Every time I come to the campus there is something new and refreshing about it. But every time I return, I also find the signs of hominess still prevail. No matter how big the campus gets, it feels close and intimate. But more importantly the people at UCR are still close to me. I am constantly amazed at how UCR reconnects me with my friends through the newsletters and email. I am also touched by the way the Alumni Association keeps up with my family and me and thereby incorporates my entire family into the UCR experience.

Just this past Labor Day, I took my 89-year-old father to the campus and he said “nothing had been better for him and me than UCR.” He feels he is a UCR alum too because the campus keeps in touch with the family. So, how could I not be loyal to the institution that continues to be loyal to my family and me?”

Edward Blakely ’60
Dean, Milano Graduate School of Management
UC Riverside Foundation Trustee and Proud Association Member
A match made in heaven transformed UC Riverside Hillel.

For over 15 years the student organization had struggled to provide programming and support for the Jewish students on campus.

Meanwhile, five years ago, a couple with no affiliation to UC Riverside, met with Irv Ginsburg, the executive director of the Jewish Federation in Palm Springs, and said they wanted to make a donation to “help Jewish youth.”

Ginsburg was aware of the needs of Hillel through his relationship with former Chancellor Raymond Orbach and Philosophy Professor Howard Wettstein, the faculty advisor to Hillel. Ginsberg told Geri and Don Shaevel that their gift could help Jewish youth at UC Riverside.

The Palm Springs couple pledged $100,000 over four years to support Hillel, and their gift has transformed the organization. It has hired a director, Chaim Shapiro, and he has built a thriving organization with an array of services for Jewish students. The organization has grown four-fold and offers many diverse programs, including holiday programs, attendance at conferences, leadership programs, Holocaust remembrance activities, social activities and outreach programs. Chaim also enabled Hillel to offer kosher food for observant Jewish students.

The events of September 11 and the recent Palestinian Intifada have increased the need for Jewish students to come together and become better informed. Hillel has collaborated with the Jewish Federation to provide educational programs to help students face problems of anti-Israeli, and sometimes anti-Semitic, sentiments.

Geri Shaevel is an artist, and her husband, Don, is retired from a pharmacy he owned for three decades in Palm Springs. The Shaevels have been to campus many times to participate in Hillel activities. Although their grown children did not attend UC Riverside, they feel quite attached and care very much about the university.

Even though the Shaevels have fulfilled their four-year pledge to Hillel, they have promised to help the campus find ongoing support. Faculty advisor Howard Wettstein is especially concerned that the momentum of the last four years not be lost for lack of support, especially now that the needs are so great.

“What we really need is an endowment to provide ongoing programmatic support for Hillel,” he said.

For information on establishing an endowed program for Hillel or donating a gift in support of Hillel, contact

Amy Smith
Director of Development
College of Humanities, Arts, and Social Sciences
909-787-2443
amy.smith@ucr.edu

Dean’s Office
A3411 HMNSS
University of California Riverside, CA 92521.
By IQBAL PITTALWALA

His passion for the natural world began at a young age in the American Rockies and the New Zealand Alps and on sheep farms in Australia. Today, as assistant professor of geology, Martin Kennedy researches earth history as recorded by the chemical composition of sediments, his work on the snowball earth hypothesis and the carbon cycle finding publication in top science journals. His recent study on acid rain’s impact on the ecosystem, funded in part by the Mellon Foundation, gained prominent attention from the press. His office on campus has the signs of a focused young scientist at work. Piles of journals form a mountain range of scientific text on a table. Slides and photographs taken on his field trips around the world fully cover the surface of a light table nearby. Dressed in shorts and a T-shirt, Kennedy often sits leaning toward his two computers, poised as it were to sprint for the next geology topic to capture his interest. Indeed, he is a runner, having placed fourth in the Tucson Marathon last winter and 19th in the Las Vegas International Marathon this year.

Seeking more direct application of research, Kennedy once left academia to become senior research geologist at Exxon Research Company. “But I began to miss academia,” he explains. “I wanted to pursue independent research, follow my own research agenda. I also gained a new appreciation for the value of fundamental research. I was drawn to UCR for its strong program in paleoenvironmental influences on animal evolution and earth history. This is a ‘can do’ school without an attitude, and I love that.”

This is a ‘can do’ school without an attitude, and I love that.

Admitting he is competitive, even irreverent, Kennedy is seen by his students as a critical thinker, as one who values and encourages independent thought. From them, he has learned to re-appreciate the field of geology and the fundamental importance of making observations and testing ideas beyond modeling and speculation.

He has learned, too, from his mother. She taught him that in life you most often attain the level to which you aspire. Raised to believe that one’s role in life is to return as best as one can to society, Kennedy feels a career in earth sciences increasingly affords him that potential. “It’s a field that is immensely satisfying to me,” he says. “Its laboratory is all around us, integrating sciences like chemistry and physics. It will be earth scientists with their almost unique interdisciplinary training who will address several pressing and complex issues humans face. “I still hold my childhood dream of owning a farm, but I see, too, critical challenges such as global warming and resource depletion that compete for our attention. It’s now these issues I aspire to address.”

A scientist’s work needs to return an obvious intellectual or economic benefit to society, Kennedy believes. “Curiosity ought to be the principal motivator for a life in the sciences, but discipline and determination – sometimes just doggedness – are prerequisites for success,” he says.

Admitting he is competitive, even irreverent, Kennedy is seen by his students as a critical thinker, as one who values and encourages independent thought. From them, he has learned to re-appreciate the