

FresnoState



World-class agriculture

Preparing students to address critical global needs

FresnoState Magazine is published twice annually by the Office of University Communications at California State University, Fresno.

Fall 2005

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On the Web: www.FresnoStateNews.com

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On the cover: In Fresno State's research greenhouse, viticulture majors Ryan Decker, a senior from Healdsburg, and Michelle Granicy, a junior from Lancaster, use sophisticated equipment to collect data on the physiology of leaves when exposed to drought stress, crop loads and various chemicals. A portable carbon dioxide and water infrared gas analysis device helps Decker check photosynthesis. Granicy's field fluorescence monitoring system provides 13 measurements of the function of chlorophyll in leaves.
Photo by Randy Vaughn-Dotta

FresnoState



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We'd like to hear your comments about *FresnoState Magazine*. Please e-mail them to magazine@csufresno.edu.

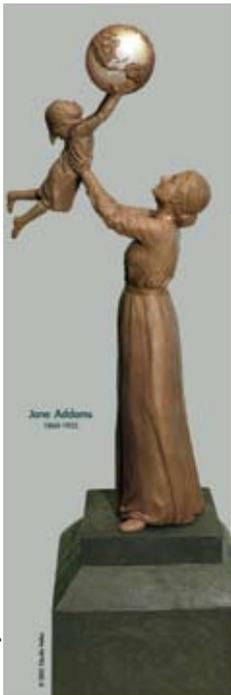
If you receive more than one copy of *FresnoState Magazine*, please pass it along to a friend of Fresno State!

If you would like to support Fresno State, please visit www.csufresno.edu/giving to make a contribution.

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Artist and faculty member Doug Hansen depicts Chinese pistache trees that help theater arts professor Terry Miller reflect.

By Dorina K. Lazo



**JANE ADDAMS
STATUE CREATED
BY STUDENT**

A bronze statue of early 20th century social reformer Jane Addams joins those of Mahatma Gandhi, Cesar Chavez and Dr. Martin Luther King Jr. in spring

2006 as part of Fresno State's Peace Garden.

Addams was the first American and second woman awarded the Nobel Peace Prize. The Peace Garden statue is the first both honoring a woman and designed and sculpted by a woman, Fresno State graduate student Claudia Nolan.

"When we commemorate a woman such as Jane Addams, it's not just the individual we are honoring," says Nolan. "We are also giving visual proof that women's contributions to history, culture and well-being ... are indeed equally valued."

The statue will be financed through private giving. Tax-deductible donations may be sent to: Jane Addams Peace Garden Monument, California State University, Fresno, 5150 N. Maple Ave., M/S JA41, Fresno, CA 93740-8026. Please make checks payable to "CSUF Foundation."

For more information:
www.csufresno.edu/peacegarden.

**NATIONAL ACCOLADES FOR
ENTREPRENEURSHIP PROGRAM**

Entrepreneur magazine ranked Fresno State's entrepreneurship program No. 8 among the more than 500 entrepreneurial colleges across the nation, marking the third consecutive year the Craig School of Business program has been recognized by national media.

The Fresno State program, begun in 1996, was ranked just below MIT and above the University of Colorado. Babson College in Wellesley, Mass., topped the list.

"We take great pride in that we are now ranked as a Top 10 program in the midst of such renowned universities," said Dr. Timothy Stearns, holder of the Coleman Foundation Chair in Entrepreneurial Studies.

For more information:
www.craig.csufresno.edu.



Clifton Smith sells newspapers to benefit Children's Hospital Central California.

**A BIG STUDENT COMMITMENT TO
COMMUNITY SERVICE**

For years, Fresno State has turned classroom learning and research into an opportunity to give back to the community. Thanks to a \$25,000 grant in 2004 and participation in Making Place Matter that commitment has accelerated.

The university's statewide and nationwide reputation as a leader in regional partnership won the grant to participate in the two-year project. Making Place Matter is designed to raise awareness about regional stewardship and to better equip universities to serve as catalysts for stewardship in their communities.

At Fresno State, service adds up to some impressive numbers: More than 4,000 students volunteered 171,100 hours in 2004-05. That's the equivalent of more than 19 years of service to the region in just one year and has an economic impact of \$3.86 million.

**FACULTY MEMBERS WIN
FULBRIGHT GRANTS**

Not one, not two, not three, but four Fresno State faculty members won prestigious Fulbright awards in 2004-05.

The Fulbright grant program was established in 1946 by U.S. Sen. J. William Fulbright of Arkansas to help faculty and professionals travel and work on special projects abroad.

Three Fresno State faculty were named Fulbright Senior Specialists:

- Dr. William Mallios, a professor in the Department of Information Systems and Decision Sciences, traveled to universities in South Korea and the Peoples Republic of China in fall 2004.
- Dr. Benjamin Boone, an assistant professor of music, spent time at A. Russo Balti State University in Moldova this year.
- Dr. Miguel Perez, a health science associate professor, participated



in an HIV/AIDS project in South Africa this year.

Also, faculty member Glenn Gray, archivist and assistant special collections librarian, was awarded a Fulbright Scholar grant for a one-year stint in Norwich, England, that began in September.

CUTTING-EDGE, OLD-FASHIONED PROPULSION PUT TO TEST

Fresno State hosted more wheels than one can imagine in the West Coast Human Powered Vehicle Challenge.

More than 200 mechanical engineering students from around the United States tried out their wheels in human-powered, student-designed and built vehicles on campus over a weekend in April. Included were a vehicle display, sprint races, endurance races and an awards banquet.

Fresno State's College of Engineering students entered two vehicles in the competition.



Tom Uribe

Fresno State senior Joelon Chinn on a two-wheeler that is an example of a human-powered vehicle.

LET THE GAMES BEGIN

Fresno State's Craig School of Business won first place at the National HR Games as part of the 57th annual Society for Human Resource Management national conference last spring in San Diego.

The "Jeopardy!"-style HR Games test students' knowledge in all areas of management practices, employee selection, labor and employee relations, compensation and benefits, training and development and safety and health.

Team members Ethan Feist, Kathy Copeland and Ellen Dias defeated the other teams representing various regions of the country. The HR Games follow more than six months of preparation and competition.

GORMAN HEADS AMERICAN LIBRARY ASSOCIATION

Michael Gorman, dean of Library Services at Fresno State, had barely assumed his new role as 2005-06 president of the American Library Association when national media started calling.

In his first few weeks he appeared on PBS's "The News Hour With Jim Lehrer" and he met with reporters and editors of *Governing* magazine, McClatchy Co. newspapers, the *Washington Post*, the *Chronicle of Higher Education*, *USA Today* and Cox newspapers to discuss, among other things, the USA Patriot Act, reading and literacy, the library as space and digitization projects.

The ALA has a membership of more than 66,000 librarians, library trustees and library supporters. Its mission is to promote the highest quality library and information services and public access to information.

FINE'S TEACHING STYLE MERITS EXCELLENCE AWARD

Dr. L-Jay Fine's motto is "learning by doing." He believes the best teaching provides hands-on experiences that are pertinent to a student's life.

Fine's teaching style is something to be celebrated, says Dr. Jeri Echeverria, provost and vice president of Academic Affairs, who awarded Fine the 2005 Excellence in Teaching Award. Fine is an associate professor of Recreation Administration and Leisure Studies.

The award includes a stipend of \$5,500 and a brick with his name on it for the Teacher's Honor Wall in front of the Kremen School of Education and Human Development.

Four other educators were recognized by the provost:



Tom Uribe

Dr. L-Jay Fine

Drs. Matthew J. Sharps (Psychology), Steven J. White (Physics), Marilyn S. Wilson (Psychology) and Harald Otto Schweitzer (Criminology).

STONES ROLL INTO THE SAVE MART CENTER

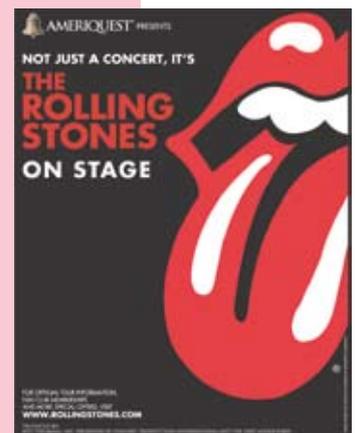
The Save Mart Center at Fresno State will be singing "Happy Birthday" this fall with one of the world's most popular rock bands – the Rolling Stones.

The Save Mart Center will be two years old in October, and in November the Rolling Stones will perform in Fresno for the first time in 40 years. This time, the band won't be doing a quick afternoon show on the way to an evening gig somewhere else. The Save Mart Center stop will be the Stones' only indoor California concert.

The Stones are not the only big-name performers at the Save Mart Center. During its second year, Bob Dylan, Avril Lavigne, Rod Stewart, Green Day, Luis Miguel and Sarah McLachlan played the center.

Coming soon: Gwen Stefani and an NBA exhibition between the Sacramento Kings and Phoenix Suns.

For information: www.savemartcenter.com.



Honors College experience ‘enriching and memorable’

EDITOR’S NOTE: *Nazia Khan, a Smittcamp Family Honors College Scholar, graduated from Fresno State with a 4.0 grade point average and was the Dean’s Medalist from the College of Science and Mathematics. She graduated in May and is now interning at the National Institute of Mental Health in Bethesda, Md., where she is conducting research on the role of genes in the development of schizophrenia. After her internship, she plans to pursue a doctorate in clinical psychology. She also is interested in developing culturally competent and community-based mental health service programs in underdeveloped regions of the world.*

By Nazia Khan

The Smittcamp Family Honors College was an integral part of my experience at Fresno State, providing me a very rigorous undergraduate experience. As a President’s Scholar in the Honors College I was fortunate to experience intimate class sizes and superior instruction from some of the most distinguished faculty at Fresno State. They gave me enhanced learning opportunities, allowing me to develop my academic and leadership skills.

Dr. Stephen Rodemeyer, and professors of the program. Their dedication to me and every other Smittcamp student pushed our boundaries and challenged us to excel. Indeed, they identified and cultivated our potential before we realized it ourselves.

Apart from the range of academic opportunities available through the Smittcamp program, I had the honor of meeting some of the most diverse and inspiring students in my college career. The Smittcamp program attracts many dynamic and dedicated students, and motivating and being motivated by them was a growing experience on its own. By the end of our four years together, we had formed a close-knit community with many intimate friendships.

Though a student in the program is able to enjoy fully paid fees, priority registration and use of laptops, among other things, I can say with conviction that it is the amazing staff and students of the Honors College that truly give it its name and made me love being part of it.

Now that I’ve completed the program, I can say with pride and conviction that the Honors College was one of my most enriching and memorable experiences at Fresno State. The

SMITTCAMP FAMILY HONORS COLLEGE

Founded in 1998 with a \$1 million gift from Earl and Muriel Smittcamp and family.

Minimum requirement for consideration is a (P)SAT of 1200 (math + verbal) or above, standing within the upper 10 percent of graduating class or a minimum GPA of 3.6 in college preparation courses.

Accepts 50 high school graduates annually, from more than 500 applicants.

GUARANTEES:

President’s Honors Scholarship (covers in-state registration fees)

Campus housing, parking, Internet access, priority registration

Personal laptop computer

25-student limit in Honors classes

Advising from honors professors

Regular interaction with university president

Graduation with University Honors

Weekly colloquium with guest speakers and discussions



RECENT GRADUATES – WHERE ARE THEY NOW:

Dustin Ancalade and Tanya Meneses – Jesuit Volunteer Corps

Raj Badhesha – University of California, Hastings College of Law

Kendall Darr – California Senate Fellows Program, Judicial Fellow

Neil Gibson – Teaching English in China; 2006 admittance to graduate program at Paul H. Nitze School of Advanced International Studies, a Johns Hopkins University division

Pawan Gill – University of California, San Francisco dentistry school

Ben Hawkins (Electrical Engineering) and Jesse Rorabough (Materials Science) – Cornell University graduate school

Michelle Jurkovich – White House internship

Joy Mombourquette – University of Colorado School of Medicine

Nicole Bebout O’Kelley – U.S. Navy, nuclear engineering

Valerie Schindler – University of the Pacific School of Pharmacy

Sierra Smith – Disney World internship

Contact: <http://honors.csufresno.edu>



Keith Seaman

Nazia Khan (left)

One of the strongest aspects of the Honors College is its individual attention to each of its students. I was fortunate to receive constant guidance from the director,

Honors College is an integral part of the campus community and one that makes it stand apart in caliber and distinction, from similar universities.

It was an immense honor and privilege for me to have been part of the Smittcamp Family Honors College. ■

Students looking forward to on-campus Rec Center

By Ryan Booth

The days of having to drive a few miles off campus and join a gym just to use state-of-the-art fitness equipment are about to end. Soon, too, students who had to forgo running or jogging in hot, cold or rainy weather will have a sheltered place to exercise.

Early in 2006, the student-financed \$17.6 million Student Recreation Center will open just west of the Save Mart Center.

Inside the 92,000-square-foot, two-story, multipurpose building will be a 13,000-square-foot fitness center with cardiovascular equipment, free weights and accessibility for people with disabilities. A jogging and running track will be on the second floor.

In addition to the fitness center, the first floor will be home to two aerobic and dance studios offering classes; two racquetball courts; four full-size courts for basketball, badminton and volleyball; and locker rooms and showers.

“The Rec Center is an automatic gym membership for students. It’s got everything that you’d want to see — on campus,” says Ben Lewis, who chairs the University Student Union board of directors.

In addition to the recreational areas, the building includes two academic components, the Leon and Pete Peters Educational Center and the Lyles Center for Innovation and Entrepreneurship.

Because on-campus recreational and fitness facilities have been limited to bowling, billiards and



Thom Halls

Looking forward to the new Student Recreation Center are (left to right) Associated Students President Jennifer Reimer, West Complex/Student Recreation Center Director Derek Walters and Executive Director of Student Life Dr. Carolyn Coon.

little else, the University Student Union spearheaded a drive for an election in 2000 in which students approved a \$49-per-semester fee to take effect after the center opens.

“With a lot of students living on campus or very close to school, it will be really convenient for them to have a place to workout or even just hang out,” says Jennifer Reimer, the Associated Students president. Nearly 4,000 students

live within a couple of miles of the university.

Prime locations for students who just want to relax figure to be the outdoor terrace and a TV kiosk and game rooms inside.

The Leon and Pete Peters Educational Center on the ground floor will have classrooms and a 300-seat auditorium intended for public programs, workshops and conferences. The educational

center was made possible by a gift from the Leon S. Peters and Pete P. Peters foundations.

The Lyles Center for Innovation and Entrepreneurship was established in 2001 with a gift from William Lyles.

“I see the new Lyles Center serving as a beacon for innovative entrepreneurs, much like the Save Mart Center has done for athletics,” says Dr. Timothy Stearns, a professor of management who is the Lyles Center director. “With this facility we hope to gain the attention of both local and national organizations, which will only enhance our ability to tap into the entrepreneurial spirit both on and off campus.”

There’s no question about how integral students are in the anticipated success of the Student Recreation Center. Dr. Carolyn Coon, Fresno State’s executive director for Student Life, says, “The center is student-driven and student-focused, with student input into ongoing operations.” ■

Ryan Booth is a freelance writer in Fresno.

By Dorina K. Lazo

Arne Nixon Center adds top cat collection

Fresno State Bulldogs may be puzzled to hear an occasional “meow” in the Henry Madden Library, but it could just be that the library has gained a collection of 6,000 cat books to be housed in the Arne Nixon Center for the Study of Children’s Literature.

The collection is from the late Helen Monnette Amestoy of Santa Monica, a former president of the California Society of Librarians who assembled arguably the world’s largest collection of cat books. The next largest is 3,500 volumes at Yale University.

Cats, Being Twenty Drawings,” published in 1930 by Japanese painter and etcher Tsugouharu Foujita. The entire collection is valued at \$187,500.

Kami Amestoy Lee, daughter of the collector, praises the Arne Nixon Center. She says the family selected the center so the collection could be kept in California.

Just four years after it was established, the center has become the repository for nearly 40,000 volumes. For more information: www.arnenixoncenter.org. ■



Photos by Thom Halls

All shapes and sizes of cat books are among the 6,000 donated.



Jennifer Crow of the Arne Nixon Center

And, says Nixon Center curator Angelica Carpenter, there’s much more than books. Her job also is to sort through plates,

ceramic figurines, framed prints, toys and dolls with a feline theme.

Carpenter – a big cat fan – doesn’t mind.

“Cats have a particular appeal in literature,” she says. “They are domestic, artistic and folkloric. They have been iconic in human culture throughout history.”

The most valuable volume, appraised at \$4,000, is a signed and numbered copy of “Book of

Engineering remembers Col. Husband

Members of the community gathered last spring to honor the memory of space shuttle Columbia commander and Air Force Col. Rick Husband by dedicating a plaque at Fresno State’s Engineering East Building.

Col. Husband and the six other crew members died Feb. 1, 2003, when Columbia broke up shortly before landing from their space mission. He earned a master of science degree in mechanical engineering from Fresno State in 1990.

Col. Steve Lindsey, a NASA astronaut and close friend of Col. Husband, represented the family at the dedication ceremony. Dr. Andrew Hoff, interim dean of the College of Engineering, joined students and representatives of the Engineering Alumni Chapter who participated in the ceremony.

The alumni chapter established a scholarship in Col. Husband’s name that will benefit engineering students.

Fresno State’s Air Force ROTC detachment and the Fresno-based 144th



Shannon Puphal

Col. Steve Lindsey (left) and Dr. Andrew Hoff

Air National Guard Fighter Squadron also honored Col. Husband.

Col. Joseph Brozena, a detachment commander, says Col. Husband “was a family man, leader, aviator and astronaut, someone to whom the

cadets from Fresno State look up and would like their Air Force careers to follow.” ■

Dorina K. Lazo is a freelance writer who teaches journalism and writing. Her first children’s book, “Children of the San Joaquin Valley,” was published in May.

New Web site for comprehensive campaign



Launched in September, a new Web site offers a centralized location for information about campaign plans and progress. It also includes links to an array of information about the university (campaign projects, schools/colleges), giving (how-to's, recognition and donor stories), news items and campaign leadership. Some sections of the site still are under construction; it will expand over time and will be updated regularly.

"I'm excited about the Web site because it's an efficient way to share information and an easy way for anyone to access that information, said Mary Anna Dunn, campaign director. "Alumni, faculty, students, staff – university family all across the

country – can get up-to-date details, 24/7."

The comprehensive campaign is now in the "quiet phase." That is, as of July 1 donations are being counted toward the campaign. However, the university is still refining the campaign goals and identifying leadership prior to launching a more publicized phase.

Please visit the Web site at www.supportfresnostate.com and stay tuned as it continues to grow. ■

HONOR ROLL OF DONORS

California State University, Fresno has established a recognition program to highlight the generosity of its donors. Thoughtful contributors who provide financial support to particular programs, scholarships and the university as a whole are recognized in one of the annual, lifetime or deferred giving societies. A complete Honor Roll of Donors is due to premiere on the university Web site.

The Centennial Society includes those individuals who made gifts totaling \$10,000 or more to Fresno State during the 2004-2005 fiscal year (July 1, 2004-June 30, 2005). The university sincerely thanks the following Centennial Society donors whose giving assisted students and enhanced university programs.

- | | |
|----------------------------------|---------------------------------|
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| Lou and Jane Amendola | Nadar Malakan |
| Helen Monnette Amestoy* | Harry and Jan Markus |
| Jim Anderson | James and Susan McClatchy |
| Juan and Amelia Arambula | Mary McGary* |
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| Reinhardt Milton King | Leo and Laura Wilson |
| Hal Kissler and Maureen Lewis | Gary and Carol Yoder |

Names marked with an asterisk (*) denotes that the individual is deceased. This list was compiled as accurately as possible from university records. Please contact the University Development Office at 559.278.4036 if there are any discrepancies.

Fresno State programs are

Advancing world-class agriculture

By Marni Katz

Fresno State students, faculty and industry partners are pioneering techniques to help farmers and agribusinesses succeed in today's competitive global market.



Fresno State student Andrew Horn prepares to disc weeds in a campus orchard.

The university is at the forefront of emerging technologies in agriculture, food and industrial science. These technologies make our lives easier, food and water safer and more abundant, and communities more prosperous.

Through applied research, hands-on experiences and a 1,011-acre agricultural laboratory – or farm – the 1,200 students in the College of Agricultural Sciences and Technology are preparing for a multitude of careers on the cutting edge of innovations across the spectrum of industry. Fresno State has become a center of technology, which impacts the region, the nation and the world.

“I like your idea that the emphasis should be laid upon agriculture and industry. No school in this state is preparing well-equipped teachers for these fields, and you are well fitted to do just such work in the San Joaquin Valley.”

– M.E. Dailey, president, San Jose Normal, 1909, in supporting the establishment of the Normal School in Fresno, which became Fresno State.



The Farmerettes work near the Administration Building at Fresno Normal School in the early 1900s.

Courtesy University Archives



Photos by Randy Vaughn-Dotta and Joseph Hollak

“Fresno State and its College of Agricultural Sciences and Technology have developed a national reputation for being a pre-eminent university,” says Rep. Jim Costa of Fresno, an alumnus and former longtime member of the California Legislature. “As a public institution of higher learning, Fresno State is able to reach out to the private sector and engage in real-world activities that get students involved in the practical application of farming and applied agricultural sciences.”

The agricultural college has grown dramatically since its founding in the 1940s. It began at Hammer Field, an Army Air Corps base that became Fresno-Yosemite International Airport, with 12 faculty members and a small herd of heifers. Now it’s a fully integrated operation that includes the nation’s first commercially bonded college winery; nearly 1,400 head of

livestock, including cattle, sheep, swine and horses; a working dairy; plus meat, produce and dairy processing units and more.

All of this provides direct hands-on learning and employment opportunities for students at Fresno State and a foundation for research that solves problems for the industry.

“The College of Agricultural Sciences and Technology is among the smallest colleges on campus, but it ranks at the top in some very important areas,” says Dean Daniel Bartell. “We have the largest scholarship program of any college on campus. Nearly every year we lead the campus in terms of acquiring grants and contracts. And we lead the campus in terms of dollars and in-kind gifts that come in from outside donors.”



A newborn Jersey calf visits a cow at the dairy operation on the campus.

GRANTS FUND APPLIED RESEARCH

In the past 10 years, Fresno State has also received a major influx in funding to conduct applied research. About 40 percent of Fresno State's research grants go through the college and its California Agricultural Technology Institute (CATI).

"The research we do is of vital importance to many of the industries in the Valley. We're a clearinghouse of information where people can go when they have issues that need to be solved," Bartell says.

Joe Bezerra, director of operations for CATI adds, "This research helps us resolve some of the region's most pressing issues as they relate to agriculture, such as soil, water and air. It also prepares students to take and apply new technologies to their first day of work."

CATI is unique to the California State University system and is used as a model by universities across the country. It is a hub for research related to natural resources, wine and grape production, agribusiness and food sciences through its Center for Irrigation Technology, Center for Food Science and Nutrition Research, Viticulture and Enology Research Center and Center for Agricultural Business.

CATI also is developing management practices to reduce the chance of pollutants reaching rivers and streams that provide drinking and irrigation water and sustain wildlife. In addition, the Center for Irrigation Technology faculty and students identify sources of air pollution on dairies and help create measures to reduce emissions at the source.

CATI's Center for Ag Business works on policy and economic issues related to agriculture and has been instrumental in putting a global face on California agriculture, Bezerra says. The center's annual fall Agribusiness Management Conference is a significant event for agribusiness in Fresno, drawing international participants among hundreds of attendees.

CATI employs about 150 students to work with staff and faculty on research that will have long-term impacts on air and water



Graduate Laboratory technician Dr. Denis Bacon (left), and Ioannis Toutountzis, a graduate student from Greece, use a nitrate sensing probe to conduct a nitrate analysis on grape petiole filtrate. The College of Agricultural Sciences and Technology's Graduate Laboratory allows students to conduct a variety of research projects in such areas as salinity, dairy-related air pollution and wastewater treatment.

quality, the long-term viability of the region's farming industry and other critical areas. Students gain experience in researching, producing, manufacturing and marketing agricultural products. This preparation helps them become leaders in the industry; they are highly sought after upon graduation.

The Agriculture Research Initiative (ARI), a cooperative partnership between California State University ag schools in Fresno, Chico, Pomona and San Luis Obispo, helps secure research funds through university and industry partnerships. Bezerra, who administers the ARI program from his Fresno State office, says that of the \$4 million in ARI research funds granted in 2004-05, at least a third was directed to research projects at Fresno State.

In addition to providing money and in-kind services to support research, industry support also has helped fund faculty positions, including the Julio R. Gallo Chair, sponsored by the Modesto-based winery, and the Boswell Chair in the Plant Science Department, underwritten by the J.G. Boswell Co., a major cotton and tomato grower in the Valley.

AWARD-WINNING WINES

At the Fresno State Winery, students are involved in producing 10 to 15 Fresno State varietal wines that collectively have earned more than 170 awards over the past five years, including 39 “super” awards, which are a higher designation than a gold medal.

From the 1998 California Syrah, chosen Best Syrah of California at the 1999 California State Fair, to the 2000 President’s Reserve Primitivo, which won Best of Class - Italian Varietals at the 2002 Los Angeles County Fair, the Fresno State Winery is focused on producing wines from grapes that grow best in the hot, dry Central Valley summers.

“Those are enough medals for a lifetime for many commercial wineries,” says Dr. Robert Wample, who serves as Julio R. Gallo Chair of the Department of Viticulture and Enology.

Students learn and apply viticulture and enology practices unique to warm-weather grape and wine production that boost productivity and quality of raisin, wine and table grapes. ▶



Emily Brown, one of the students employed at the Farm Market, shows off the temperature-controlled cellar dedicated to award-winning Fresno State wines.



Student workers Michelle Lennox (left) and Lisa Wilson pay close attention to the Holstein cow and the equipment in the Fresno State milking barn.



Students Thommie Haskins (left) and Julia Scrivani use hay hooks to muscle bales of university-grown feed for campus horses.

“This is a distinct region that requires more precise management techniques in the vineyard and winery to produce quality,” Wample says. After graduation, he adds, “Our students arrive very capable of doing the job they are hired to do. Because of their experience in the university vineyard and winery, they hit the ground fully trained and ready to go.”

Students are involved in all of the viticulture and enology research projects at Fresno State. In the vineyard, for instance, they try to improve management practices that enhance fruit quality under Valley growing conditions. Students evaluate new table grape cultivars and rootstocks to achieve high quality. And they explore new techniques for precision viticulture using such high-tech strategies as Global Positioning System navigation and near-infrared imaging to increase uniformity in vineyards.

Studies are conducted not only on campus vineyards but also in partnership with growers in large-scale trials that give students and researchers a real-life scenario for their research.

FARM-TO-TABLE PHILOSOPHY

The farm-to-table philosophy at Fresno State encompasses all areas of food and fiber production. Students plant, grow and harvest corn more efficiently based on techniques learned in the classroom. After harvesting it from the field, students feed that corn to cows within the dairy unit that are milked twice daily by students and staff. The milk is processed into ice cream that is considered some of the region’s finest and sold at area ice cream stores and at the university’s own Farm Market.

During the summer, visitors flock to the University Farm Market at Chestnut and Barstow avenues for sweet corn that is grown on campus, picked nearly early day and delivered to the store within minutes. Fresno State wines and meat (produced in a similarly integrated fashion with heavy student involvement) are other bestsellers.

The Farm Market employs about 10 students, and the school farm hires another 90 students who share the round-the-clock work. They irrigate and prune vineyards, till row crops, feed and look after the health of sheep, cattle, horses and other livestock and help produce some of the nearly two dozen crops grown on campus. In addition, student employees in the floral decorating

lab arrange dozens of bouquets each week for parties, weddings and other occasions.

“The farm laboratory is central to our instruction,” says Dr. Art Parham, chair of the Animal Sciences and Agricultural Education Department, the largest department within the college, with about 330 students. “To not only have the farm, but have it this close, gives us an opportunity to take students out and illustrate exactly what we are talking about in the classroom.”

RANGE OF OPTIONS

The College of Agricultural Sciences and Technology also includes departments that offer a broad range of training for the food and dietetics specialists, plant managers, computer networking systems administrators, fashion consultants, consumer affairs specialists and home economics teachers of tomorrow. ▶



Courtesy Ag Literacy Program

Fresno State student Maria Garcia teaches youngsters about dairies at a colorful booth sponsored by the Ag Literacy Program. The program, directed by College of Agricultural Sciences and Technology staff member Lonna Torrico, encourages participants to think out of the box about careers in agriculture. It exposes them to agriculture-related professions beyond field labor as well as to the agricultural programs offered at the university. Over the years, the college has received funding to support a variety of ag literacy outreaches. They include community-based activities emphasizing the importance of agriculture in rural communities, an outreach effort to farm worker families and encouraging regional high school and community college students to enter agriculture programs and careers.



Chocolate is one of dozens of flavors of student-produced ice cream made from the milk of Fresno State's dairy herd.



Sheep are eager to chow down when student shepherd Kyle Thompson presents their favorite feed.

For additional information, please contact:

College of Agricultural Sciences and Technology:

<http://cast.csufresno.edu>

Ag One Foundation:

www.agonefoundation.org

California Agricultural Technology Institute:

<http://cati.csufresno.edu>

California State University Agriculture Research Initiative:

<http://ari.calstate.edu>

Center for Agricultural Business:

<http://cati.csufresno.edu/Cab>

Center for Irrigation Technology:

<http://cati.csufresno.edu/cit>

Center for Food Science and Nutrition Research:

<http://cati.csufresno.edu/cfsnr>

Fresno State Winery:

www.FresnoStateWinery.com

Viticulture and Enology Research Center:

<http://cati.csufresno.edu/verc>



Just moments old, a newborn Jersey calf is carried by student Lisa Wilson to the barn for its vaccinations.

The Food Science and Nutrition Department educates students about the role of food in our lives through a curriculum that embraces processing, management and dietetics. Lab facilities – including the dairy processing plant, food processing research laboratory and food preparation and product development lab – provide students with a training ground in the fundamentals and latest trends in processing, packaging and food safety.

The department's post-baccalaureate program includes a one-year dietetic internship accredited by the American Dietetic Association. It allows students to apply their training in nutrition and dietetics while rotating among more than a dozen Valley hospitals and other institutions, and the Women with Infants and Children program. The internships prepare students to take the exam to become registered dietitians.

The Department of Industrial Technology partners with industry, government and other educational institutions

to provide students first-hand, applicable knowledge about production and supporting services.

Industrial Technology also is home to the Cisco Academy, a partnership between Fresno State and Cisco Systems, which teaches students to design, build and maintain computer networks and Web pages and to manage network services.

The Department of Child, Family, and Consumer Sciences incorporates a child-care laboratory that serves parents and their children. It also provide an unequaled opportunity for students to study child behavior and development in preparation for child advocacy and other child-related careers.

Students learning about clothing, textiles and fashion merchandising have use of the department's two laboratories and state-of-the-art computer-aided design equipment. this equipment allows them to study for careers ranging from technical work in textile manufacturing to museum costume curator.



Throughout the College of Agricultural Sciences and Technology, the blend of academic work, cooperative partnerships and practical learning opportunities provides a firm foundation for the Fresno State program, Bartell says.

“At Fresno State, our students are well-prepared academically, have hands-on experience in the field and have internship opportunities, all of which provide them every dimension of learning and preparation to become leaders in agriculture and agribusiness,” says Bartell. ■

Marni Katz is a Fresno-based writer and communications consultant specializing in agriculture.



Students Andrew Horn (left) and Chris McKenna look at immature fruit developing in one of the Fresno State farm's orchards.

Fresno State's reputation grows in a

Competitive world wine market

By Marni Katz

Long at the center of a region known for producing some of the world's best wine, raisin and table grapes, Fresno State now is working to make the central San Joaquin Valley a premier producer of premium wines as well.

Through its Viticulture and Enology Department and the Viticulture and Enology Research Center (VERC), Fresno State already has played a central role in training graduates and developing technologies, winemaking and growing techniques.

VERC provides support to the grape and wine industry through research grants, graduate education, outreach activities and publications. Quality and value, the basis for remaining competitive in a global marketplace, are primary research objectives for the center's faculty and research scientists.

In 2000, Fresno State became the first university in the California State University system to combine its research and academic programs in viticulture and enology into one program, under the leadership of Dr. Robert Wample. He serves as chair of the Department of Viticulture and Enology and holds the Julio R. Gallo director's chair in VERC.

"As the industry comes to the realization more and more every day that we're in a worldwide economy, the importance of the

Viticulture and Enology Research Center in staying ahead of the technology trend is more important than ever," says Barry Bedwell, president of the California Grape & Tree Fruit League, and a member of the research center's industry advisory board.

"The viticulture and enology work at Fresno State represents our best hope to remain competitive in a difficult world market," Bedwell adds. This will further the university's reputation for producing students who can solve real-world problems for the wine and grape industry, he says.

Applied research also will bring about new technologies that will benefit the industry around the world, says Wample.

The Department of Viticulture and Enology, an academic unit within the College of Agricultural Sciences and Technology, offers both undergraduate and graduate degree programs and is known for its unique facilities, including an on-campus vineyard and winery, which provide an added opportunity for hands-on learning.

Increasing numbers of students seeking careers in the grape and wine industry are heading to Fresno State. In just five years, the number of students has more than doubled. In 2004, the department trained more than 90 students.

Increasing numbers of students seeking careers in the grape and wine industry are heading to Fresno State.

Krystal Goulart uses an ATV to check on grapes as part of her viticulture and enology training at Fresno State.



According to Wample, industry representatives believe the San Joaquin Valley must play a major role to ensure California's grape and wine industries remain competitive in both domestic and international markets.

"We are in a distinct region that requires more precise management techniques in the vineyard and winery to produce quality," Wample says. "Fifty percent of the state's wine grape production, 90 percent of the state's raisin production and 88 percent of its table grape production is in the San Joaquin Valley."

Many of those techniques already are being explored at Fresno State with an overriding goal of improving quality while maintaining profitability, he says. Near-infrared imagery and global positioning satellites fine-tune vineyard management; fermentation, filtration and corking techniques help improve Valley wine quality; and new raisin-drying techniques are being explored to improve quality and protect the bottom line.

Ready to expand on its past successes, Fresno State is preparing for the future.

An advisory board of leaders in the grape and wine industries has approved the concept of an enhanced education and research program at Fresno State. This new vision includes the establishment of a Viticulture and Enology Institute. The Institute would serve as an educational and research network that would address all aspects of the grape and wine industry, enhance educational opportunities and promote the recognition of Central California grapes and wines.

The new institute will expand on what's been accomplished, says Dr. Daniel Bartell, dean of the College of Agricultural Sciences and Technology. First priority would be hiring faculty and staff to support additional research and increase the breadth and depth of the course offerings. Proposed positions include a viticulturist, grape and wine chemist, grapevine physiologist, biosystems engineers and a visiting professor, who would infuse outside international expertise into the research and instruction.

The multimillion dollar facility will provide research and office space, classrooms, processing and storage facilities. Much of the funding will come from private industry.

The institute also will provide short courses and other advanced training in areas ranging from planting grapevines to marketing grapes and wine.

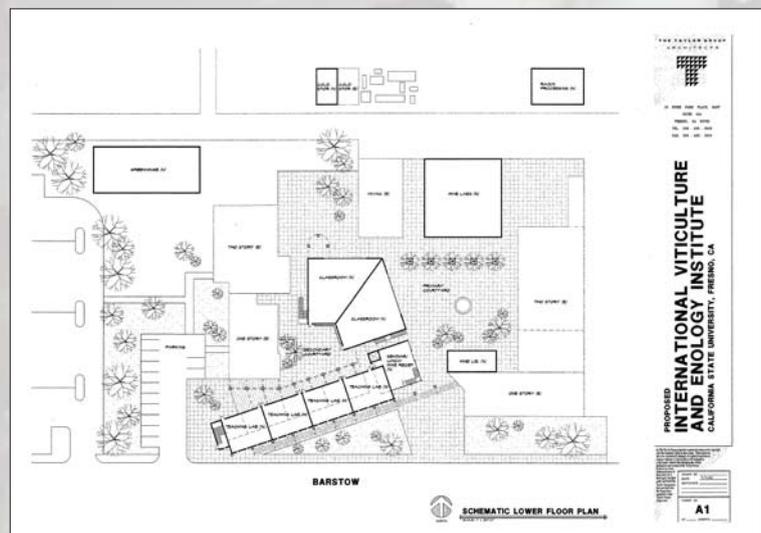
Ready to expand on its past successes, Fresno State is preparing for the future.



Student Richard Young checks the maturity of grapes in a Fresno State vineyard.

Ultimately, Wample says, the new Viticulture and Enology Institute would serve regional industry, which will help the economic needs of local communities. The institute also will be a world-class center of learning that attracts the best and brightest students from around the world with an interest in grapes and wine.

"In the end, we are turning out students with a deeper level of education," Wample adds. ■



International Viticulture and Enology Institute

COLLEGE OF AGRICULTURAL SCIENCES AND TECHNOLOGY

Leading 21st century agriculture through teaching and student mentoring, research and outreach, the development of safer and healthier foods, and the design of innovative farm equipment.



STUDENTS BY DEPARTMENT FALL 2004

Major	Undergraduate	Graduate
Ag Economics	192	N/A
Animal Sciences & Ag Education	332	21
Child, Family & Consumer Sciences	220	5
Food Science & Nutrition	125	26
Industrial Technology	115	23
Plant Science	67	10
Viticulture & Enology	57	10



San Joaquin
Experimental
Range

Viticulture and
Enology Research Center

Animal
Science
Pavilion

O'Neill Park

CROPS AT FRESNO STATE

Orchard crops

Pistachios • Olives for oil • Plums and pluots • Peaches • Nectarines • Almonds • Cherries • Oranges • Apples • Apricots

Agronomic (field) crops

Alfalfa • Cotton • Oat hay • Corn silage • Wheat hay

Vegetables

Sweet corn • Summer squashes • Tomatoes • Peppers • Snap beans • Eggplant • Okra • Watermelon

Table grapes

Thompson Seedless (table) • Thompson Seedless (raisin) • Crispy • Princess • Autumn Royal • Sweet Scarlet • Crimson Seedless • Flame Seedless • Summer Royal • Ruby Seedless

Wine grapes

Barbera • Cabernet Sauvignon • French Colombard • Muscat Canelli • Multi-variety block • Petite Syrah • Primitivo • Rhone varieties • Ruby Cabernet • Syrah • Zinfandel

ANIMALS ON THE FRESNO STATE FARM

BEEF

123 on campus farm,
303 on San Joaquin
Experimental Range
Breeds: Angus,
Charolais, Hereford

DAIRY

379
Breeds: Holstein, Jersey,
Jerstein

HORSES

125
Breeds: Quarter, Hackney

SHEEP

151
Breeds: Hampshire, Suffolk

SWINE

588
Breeds: Duroc, Hampshire,
Landrace, Yorkshire, others

Graduate Lab

CATI

CHESTNUT
BARSTOW

Ornamental
Horticulture Unit

Farm Market

Center for
Irrigation Research

WOODROW

FRESNO STATE



Fresno State students work around the clock

A day on the campus farm

By Lisa Birrell

It's 8 a.m. and there's a flurry of activity at Fresno State as students head to their first classes and employees begin their work day. But at the university agricultural laboratory – the campus farm – the day isn't just beginning. Some of the 100 agriculture students who work on this living laboratory have been on the job for hours, learning as they work.

Just north and east of Fresno State's 327-acre academic campus is a vastly different university experience sprawling over more than 1,000 acres of vineyards, orchards, fields and pastures.

Few students or members of the public are aware of the complex operation that is literally across the street from where most of Fresno State's classrooms are clustered.

Many people are familiar with the popular Farm Market at Chestnut and Barstow avenues and some have even parked near shady O'Neill Park on campus and walked with their children to see sheep, horses and cows grazing in the pastures. Passersby may note huge mounds covered with tarpaulins and weighted down with sidewalls from old tires, not knowing they are mounds of feed produced on campus for the livestock.

But that is just the tip of the haystack when it comes to the hands-on farm program of the College of Agricultural Sciences and Technology.

Tending to the farm is a round-the-clock, daily enterprise and a \$3.9-million operation largely entrusted to students who are guided by faculty and farm technicians.

Dr. Carl Pherson, a just-retired professor of agricultural economics and director of agricultural operations, pushed for growth and modernization of the operations during his 33 years at Fresno State. He calls the campus farm "the crown jewel of the university."

Pherson says the farm's stellar reputation today is a credit to a dedicated faculty and staff and to students willing to get their hands dirty as they learn modern agricultural techniques.

There are easier student jobs with more forgiving hours, but students who work on the university farm already embody the principles of dedication and sacrifice inherent in their future professions. Those principals include the stereotypical early-to-rise attribute and putting to work what they learn in classrooms.



2 a.m. You've heard the expression "Up with the cows?" That's senior animal science major Kyle Thompson of Manteca, who works at the dairy and also is the student shepherd.



Thompson and other students feed the 155 doe-eyed Jerseys and Holsteins a high-quality mix of canola, soybean meal, rolled corn, barley, cottonseed and alfalfa. The cows are cleaned and milked six at a time. It takes 4-5 minutes per cow for the vacuum equipment to complete its work, send the milk to a storage tank and record each cow's output for carefully maintained production records that also may be an indicator of the animal's health.

"Feeding is my main job at the dairy," says Thompson, who lives in student quarters at the sheep unit so he is available round-the-clock to tend the flock.

"After I finish at the dairy, I feed the sheep and take care of their health. Usually I bounce back and forth between the dairy and the sheep all day."



3 a.m. Some jobs on the farm must be conducted when there is a minimum of air movement and when temperatures are in an ideal range. Those jobs include sulfuring grapes to prevent mildew damage. The work is done by students well before dawn's early light.



5 a.m. Many summer early mornings, equipment moves through one of the fields east of the Farm Market, harvesting sweet corn. The university has a reputation for producing the best eating corn in the area and plans its planting so there is a steady supply of corn for several months.

5:30 a.m. Students working in the dairy plant are processing milk from campus cows into milk, butter, cheese and ice cream. The products are marketed to on-campus food services and to the public at the Fresno State Farm Market.



Just north and east of Fresno State's 327-acre academic campus is a vastly different university experience sprawling over more than 1,000 acres of vineyards, orchards, fields and pastures.



6 a.m. The farm gets busier around dawn. Students drive tractors and ATVs, pulling wagons loaded with feed from storage to the various animal units to provide nourishment to pigs, sheep and horses.

6:30 a.m. The work begins for six students at the equestrian unit. "Students do everything," says Dr. Anne Rodiek, chair of the horse program since 1984. "During the school year, school comes first. They come in early to feed, then go to class. Some stay during the morning, but the bulk of the work is done in the afternoon.



It's demanding work to tend the 100 quarterhorses owned by the university, plus the 40 student horses in paddock barns and another 30 horses. The horses are used for riding classes and equestrian team practice and competition.

Student workers feed horses in the morning, then load hay and grain for the evening feeding. The morning's work also includes cleaning pens, medicating and wrapping injured horses and training young horses.

"Working here teaches you a lot of responsibility," says Melinda Ramos, horse unit barn manager and a senior in animal science with an emphasis on equine science. "Accomplishments are so rewarding. I'll think to myself, 'I'm actually riding this horse. I trained him.'"



9 a.m. Surrounding the livestock enterprises are vast plots dedicated to



the field crops of grain, oat hay, cotton and alfalfa; orchards of delicious fruits and nuts; vineyards of table, wine and raisin grapes; and a small grove destined soon to produce a fruity olive oil to be sold at the Farm Market.

With 17 soil types, varied irrigation conditions and pesky insects and weeds to contend with, student workers in the agronomy, tree fruit, vegetable and viticulture labs work long days to keep their stake in the university farm in the green.

"We're the best employer for students because we work around their schedule," says orchard manager Gino Favagrossa, who supervises 180 acres spreading northeast from Barstow and Chestnut avenues to Freeway 168.

Three students do tractor work, mow grass, spray for weeds and insects and help harvest. Andrew Horn, who earned a bachelor's degree in agricultural economics, starts his day at 6 o'clock monitoring irrigation among plums, pluots, nectarines, almonds and pistachios, among many crops.

"After I check the irrigation in the morning, I drive around to check crews shoveling weeds or pruning or doing other jobs. The rest of the day I play it by ear," says Horn, who is starting work on a master's degree in business administration. "It's hard work, but rewarding to be part of the university farm."



11 a.m. At the Farm Market in the summer, customers line up



around the big bins to buy corn still moist from that morning's harvest in the field next door.

Year-round, they're selecting nicely-aged steaks or various dairy products produced by students.

The Farm Market is the final destination for many of the meats, fruits, vegetables, dairy products, wine and packaged goods (such as jams, jellies, marinades and sauces) produced by students.

Market manager Diane Downing employs 10 students to run the store, which is open Monday through Saturday. Last year, the market funneled most of the record \$700,523 in sales back into the university programs that produced the items.

"Our students run the registers, stock and keep the place clean. If customers have questions, students will know 90 percent of the answers because they understand agriculture," says Downing.

Senior Emily Brown, scheduled to graduate in December with a degree in equine sciences, chose to work in the Farm Market over the summer instead of returning to her home in Washington.



Photos by Randy Vaughn-Dotta and Joseph Hollak

“I have so much fun here,” she says. “We learn from each other. We all have agriculture backgrounds, but are familiar with different commodities.”



1 p.m. While work goes on in the fields and livestock units nearby, a small crew is working on the equipment that plays an integral part in production. The maintenance



shop’s student and professional mechanics work on everything from state-of-the-art machines packed with Global Positioning System and electronic gyrosopic technology to the half-century-old tractor fitted with a post-hole digger – the only equipment from the original university farm begun in 1947.



2 p.m. The feeding and milking on the dairy unit are repeated and milk is stored for the following day’s production of dairy products.

2:30 p.m. Dozens of youngsters are climbing aboard yellow school buses, chattering about what they’ve seen during a tour of the campus farm. Guided tours of the farm are available from early September through mid-May for school and community groups. For information, call 559.278.4087.



3 p.m. Across from the Farm Market, situated between vegetable and field crops, is the oasis of the floral lab in Ornamental Horticulture.

Three students work Tuesday through Saturday, learning to prepare floral bouquets as they meet the needs of the campus and community. Brides-to-be are among the best customers.

Sandy Kane, who’s been with the floral lab for two years and a florist for 35 years, supervises the students.



“This is on-the-job experience for the students. They learn as they go,” says Kane, who includes a student in every consultation

Tending to the farm is a round-the-clock, daily enterprise and a \$3.9-million operation largely entrusted to students who are guided by faculty and farm technicians.

meeting with a bride. “During the bride interview, the student can ask questions and offer suggestions.”

Bride interviews are scheduled Tuesdays and Wednesdays, with production of bouquets and arrangements on Thursdays and Fridays. Saturdays are devoted to delivery and set-up for as many as six weddings. For information, call 559.278.7627.

Student-employee Kari Torres, an ag education major, plans to teach animal science and floriculture. “The atmosphere here is fun, and I really like working with flowers,” she says. “It’s a soothing and calming feeling. It’s hectic, sometimes, but fun.”

Students help produce nursery, flowering, foliage and bedding plants, plus cut flowers and rental plants. Some of the flowers and plants are sold daily at the Farm Market and every Saturday at the Ornamental Horticultural unit.



6 p.m. The campus hustle-and-bustle is winding down and most student farm employees are headed home to hit the books, catch a bite to eat and take a break from the routine that began many hours earlier.



8 p.m. If it’s Thursday night, it’s time for wine tasting, and Fresno State students are at the Enology Building to hear guest speakers from the wine industry. Some weeks the Fresno Enology Society includes selections produced by the Fresno State Winery in its comparison tastings.



10 p.m. Night classes in the academic classrooms are over and the campus is largely quiet now. But there’s still work for the students on the farm. They may be repairing an irrigation levee that’s been breached, keeping a watchful eye on mares that are about to give birth or shuttering temperature-sensitive pigs when the mercury dips.

They’re ready to meet the needs of the campus farm. Just like they will be when they’re pursuing agriscience and agribusiness careers after graduation. ■

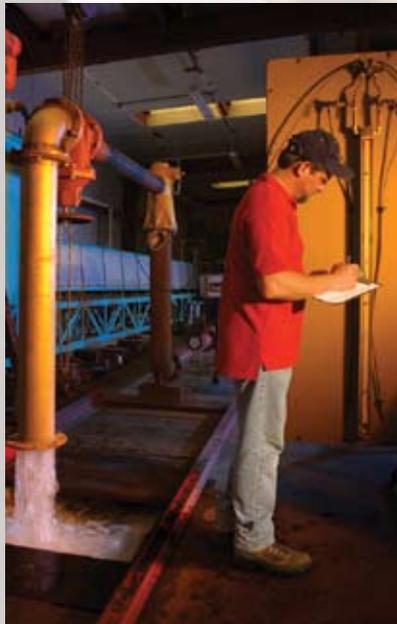
Lisa Birrell is a marketing manager in Fresno and a freelance writer.

Center will make Fresno State the

Hub of water technology innovation

By Marni Katz

The International Center for Water Technology provides not only real-world experience and research opportunities for Fresno State agriculture and engineering students, but real-life solutions for the water technology industry.



Herky Gonsalves, an ICWT technician, conducts pressure loss testing.

Water is a vital, increasingly scarce natural resource. And as the world's population grows, this valuable commodity will continue to be squeezed between limited supply and growing demand.

Fresno State's International Center for Water Technology (ICWT) is improving how water is used while helping establish the central San Joaquin Valley as a force for water-related industries.

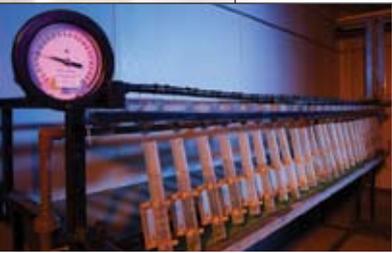
The center brings together various facets of water technology and the irrigation manufacturing industry to research, develop and test new products; educate a skilled workforce; and expand international markets for companies involved in supplying water to homes, farms and businesses.

Capitalizing on the 25-year success of Fresno State's Center for Irrigation Technology, the ICWT is a cooperative partnership between industry and Fresno State.

Claude Laval, chairman of the Claude Laval Corporation and co-chair of the San Joaquin Valley Water Technology Cluster, envisions Fresno as the next Silicon Valley for the water technology business. The cluster has been instrumental in getting the International Center off the ground.



Gonsalves reads catchments on a full grid sprinkler distribution test.



Drip emitter performance testing bench

Photos courtesy of Center for Irrigation Technology

“I think there’s quite a good possibility that the area around the International Center will become the center for water technology in the United States. There is nothing like it in the country,” says Laval, whose Fresno-based company makes equipment for the irrigation and water well industry.

The Silicon Valley developed, he notes, because “the companies were there and local universities provided intellectual capital to help them grow, and then more people came there. I think it’s one of the more important undertakings the university has going, in terms of the potential for the greater community.”

Laval says about 200 companies in the water industry already are situated throughout the Valley making everything from sprinklers and drip irrigation equipment to filters, pumps, fire hydrants and water-treatment products. The ICWT provides a nexus for them to come together to solve common problems and use resources some might not otherwise have available.

Preparations and fundraising are under way for the construction of an estimated \$20 million ICWT facility on the Fresno State campus. It will include research and development facilities, an interactive space displaying leading-edge water technologies and a permanent exhibit that will become a year-round attraction for visitors interested in water technology.

Phase 1 of the project includes a new hydraulic research and testing facility near the existing sprinkler and pump testing labs at Chestnut and Barstow avenues. More than \$3 million has been raised for construction and operation of the facility. About half of the funding was provided by industry, with the operational funding coming from federal support.

The ICWT serves essential functions that contribute to the successful local development of a water technology industry. These functions include the following:

- Helping businesses develop new markets and technologies through individual assistance and by conducting idea-sharing workshops and international trade missions.

- Hosting the first international water technology conference beginning in 2007, bringing together thousands of experts and industry leaders.
- Researching and developing new products through laboratory and field testing and product development assistance.
- Creating, by spring 2006, a 12,400-square-foot building for independent testing and performance certification for water equipment and applications.
- Working with the region’s community colleges to help identify and train skilled workers to fill vital jobs in the industry.
- Developing energy-efficient ways to pump water.

Dr. David Zoldoske, director of the Center for Irrigation Technology and ICWT, says the International Center provides not only real-world experience and research opportunities for Fresno State agriculture and engineering students, but real-life solutions for the water technology industry. At the same time, it will propel an economic engine with the potential to bring a significant number of new jobs to the Valley, a region plagued by chronically high unemployment and a lack of high-skill jobs.

Congressman Jim Costa, a 1974 Fresno State graduate and longtime supporter of the agriculture and research programs at Fresno State, agrees.

As a state senator, Costa helped secure the seed money to create the public policy-oriented California Water Institute at Fresno State, which works to protect water quality and develop public policies for a more stable water supply. He has since become a backer of the International Center, calling it a “hand-in-glove” partnership between the university and industry.

“My vision is for Fresno State to be one of the preeminent institutions in the country as it relates to the application of water sciences for the production of food and fiber and for pushing the envelope of the green revolution,” Costa says. ■



Proposed International Center for Water Technology building

Changing an ambitious concept into innovative reality

By Jacalyn Thornton

Fresno State wants to become home to one of the most innovative food institutes in the country. And where better to establish a premier food institute than in the world's agricultural heartland?

The proposed Institute for Food and Nutrition Innovation currently is only a concept and an architectural drawing. The success of the university's comprehensive campaign will make it a reality that could change the future of food production and consumer education.

Among the institute's goals are curbing the flow of unsafe products, checking the rise of health problems such as childhood obesity and improving industry efficiency and profitability.

The institute would integrate the cutting-edge research and



creative energy of the university's agricultural economics, animal science and agricultural education and food science and nutrition departments. Partnerships with community and industry leaders would promote research, problem-solving and lifelong learning in agriculture, food processing, marketing and consumer education.

The \$40-million institute would feature one two-story building devoted to developing and refining food processing systems and another for a center for research,

development and nutrition education.

The institute would conduct applied research in food, dairy and meat processing technology, food safety, promotion of healthful eating and economics of food composition. The institute will be the research and development home for the food industry in the Central Valley. Students would participate in model working environments — a key to moving from theory to practice.

Dr. Sandra Witte, chair of the Food Science and Nutrition

Department, says no other university offers such a comprehensive "farm-to-table" approach.

As a San Joaquin Valley congressman and farmer, Cal Dooley calls Fresno State "one of the best universities in the United States for the training of students in agriculture and food science."

Dooley, now president and CEO of the Food Products Association in Washington, D.C., adds, "Since they deal with the entire process of food production, Fresno State students are uniquely able to both identify needed innovations and spot weaknesses in ag and food practices that could threaten the safety of food." ■

Jacalyn Thornton is a freelance writer in Fresno.

Rasmussen's Ag One 'tune' still tops the charts

On a balmy spring evening, nearly 500 people jammed a Convention Center Exhibit Hall for the Ag One Foundation's 2005 Community Salute to honor Virgil E. Rasmussen — packer-shipper and Fresno State, Class of '40 — only to end up listening to him sing, a cappella and from the heart, "My best to you; may your dreams come true ..."

No one cheered more enthusiastically than Alcidia Freitas Gomes, executive director of Ag One, who said the event struck a perfect high note, netting a record \$74,000 for the organization's scholarship fund.



It wouldn't have happened had another Fresno State alumnus resisted the temptation to sing in the shower and mused instead. More

than a quarter-century ago, the idea hit Ed Rose, a third generation Sanger-area farmer and product of Fresno State's agriculture program: If this is supposed to be the most fertile area on the planet, why not make Fresno State the finest farm school as well?

The notion of a scholarship and fellowship program took immediate root with ag school veterans Wayne Biehler and Harry Karle.

The three founding fathers broke bread and new ground with a Who's Who of alumni, academics and agricultural leaders who formed the first board of directors: George Kitahara, Larry Layne, Wayne Adams, John Britton, Nick Buratovich, Nat DiBuduo Jr., Judy Dodd, Eugene Egan Jr., Wally Erickson, John Etcheverry, Charles Hightower, Bill Jones, Dick Markarian, Ron Metzler, John Olson, Gino Pedretti, Alvin Quist, Rasmussen, Gerald Steiner and Clifford Stevens Jr. Rose was named the founding president.

Since the board's first official meeting in 1979, Ag One has raised more than \$4.5 million for endowed scholarships and awarded more than \$1.5 million in scholarships to 2,400 deserving students such as Molly Fagundes, Fresno State 2004-05 student body

president, and Neil Gibson, the school's top undergraduate last year and a former student body president.

Another is alumnus Mark Dutra, president of Ag One and a cotton company vice president, who recognizes that Ag One made his success possible. "My parents gave me love and support. Ag One did the rest, paid the tuition so I could concentrate on studies."

Rose likes to say Ag One couldn't have become what it is without the dedication and effort of a wide range of people. "For all of us it's about payback to a great university."

Virgil Rasmussen couldn't have sung it better. ■

By Ron Orozco



Boeh eager to meet athletics' challenges

Not even a steady run of triple-digit days that caused him to reconsider wearing his usual long-sleeved white shirts and ties could change Thomas Boeh's mind that he made the right decision when he agreed to become athletics director at Fresno State.



Kelly Peterson

Thomas Boeh

It was during the interview process in May, when Boeh still was at Ohio University, that he remembers his heart telling his brain, "I really want this job" at Fresno State.

The moment came when Boeh became the interviewer. In Fresno, he asked people on campus and off what they wanted out of the Bulldogs' intercollegiate athletics program.

"I got to see some of their enthusiasm and to hear that they wanted to have an athletics program of which we can all be proud, one that operates with integrity and a willingness to assist each other as best they can," Boeh remembers.

Boeh says he wanted to be part of that vision.

On May 13, university officials named Boeh as athletics director. They cited his reputation for integrity in decision-making and for maintaining balanced budgets nine of the 10 years he was in charge at Ohio. The only time the budget wasn't balanced, retired Ohio University president Robert Glidden told *The Fresno Bee*, resulted from an accounting change of which the Athletics Department was not aware.

On July 1, Boeh began his new duties in Fresno. He realized one of his early tasks was to bring calm to a department shaken by turmoil in several sports and persistent budget problems.

Boeh's plan calls for rebuilding the department's national reputation for integrity and for establishing a financial system that ensures the department will maintain balanced budgets.

Not lost in the process, Boeh says, is the vision shared by the people he polled.

Boeh says he's asking only one thing from people – patience.

Among changes that Boeh hopes to see is intercollegiate athletics nationwide taking more responsibility to change the culture of sports in the academic setting. Boeh wants intercollegiate athletics to clearly define to incoming student-athletes that they are expected to perform at the highest level in their sports as well as attend classes and graduate.

"Pat Hill's football program here is a Top 25 APR performer, along with Stanford and Cal and some of the top programs in the country. That says they have created a culture there," Boeh says. "It doesn't mean that they don't have problems. It doesn't mean they don't have bumps in the road."

One sport needing a cultural change, Boeh says, is basketball, where graduation rates for student-athletes nationwide are among the lowest in intercollegiate sports.

"It's not fair to those student-athletes in that program," Boeh says. "Our job is to mold young men and women, not to observe them and to qualify what they do. It's our responsibility to remedy" cultural conditions that perpetuate the problem.

It's all part of that combination of vision and challenge, Boeh says, that reminds him he made the right decision coming to Fresno State. ■

Ron Orozco has been a newspaper reporter in Fresno for 30 years.

Stories by Shirley Melikian Armbruster

Former athletes find success

Bulldog wrestling helps Pat Ricchiuti in agribusiness

“Never give up,” barked Bulldogs wrestling coach Dick Francis as he encouraged Pat Ricchiuti, his 135-pounder who never had set foot on a wrestling mat before arriving at Fresno State.

Ricchiuti remembered this admonition throughout his wrestling career, especially in a match during his senior year against a ranked opponent and trailing 6-2. Ricchiuti never gave up and eventually rallied for an 11-6 victory.

Now, years later, the phrase continues to resonate within Ricchiuti, who graduated in 1970 with a bachelor’s degree in agricultural business/plant science. As president of P-R Farms, Inc., a diversified growing, packing and shipping agricultural operation based in Clovis, Ricchiuti says, “We are constantly facing challenges in our industry.”

Still determined and competitive, Ricchiuti says of his Bulldog wrestling days, “I learned the value of a strong work ethic and the importance of perseverance. If these are the basic values that athletes gain from participating in sports, then they are most likely going to serve the community in a constructive and productive manner. This is why I enthusiastically support both athletics and academics at Fresno State.”

As a major donor to Fresno State, he is a member of the President’s Circle and the Pinnacle Society. Recent support from the

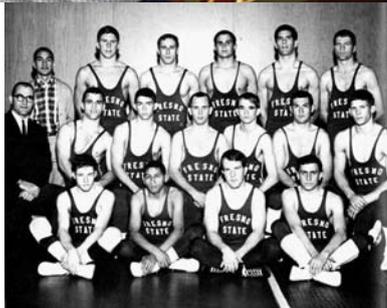
Ricchiuti family enabled the university this year to complete construction of the Ricchiuti Academic, Strength, and Conditioning Center.

Ricchiuti’s ongoing ties to his alma mater include the Agricultural Research Institute, Agricultural Foundation, Ag One Foundation, Bulldog Foundation, Alpha Gamma Rho Fraternity, Fresno State Alumni Association, Time Out Club, Dugout Club and the Quarterback Club.

He has received several community and campus honors, including the Arthur Safstrom Service Award and the Top Dog Award from the Fresno State Alumni Association. ■



James Schwartz



Pat Ricchiuti (bottom right in group photo)

Love blooms for Fresno State equestrienne Andrea Svenningsen

Andrea Svenningsen’s love affair with horses began in preschool. But living in suburban San Lorenzo she had to love them from afar.

Her passion was kept alive by occasional encounters during childhood. When Svenningsen enrolled at Fresno State in 1998, though, love blossomed: She joined the equestrian team, quickly learned Western and English riding techniques, was named Most Improved Rider in her first year and earned a letter jacket.

She graduated in December 2002 with a degree in animal science, equine science emphasis. Now she works for Nutrius in Kingsburg, formulating vitamin/mineral supplements and premixes for dairies throughout the state.

“My experience as a student-athlete helped shape me into the person I am today,” says Svenningsen, who lives in Clovis. “It helped give me confidence and definitely taught me how to be a team player, which is critical in any business.”

Academically, she was particularly challenged by animal science professors Anne Rodiek and Jon Robison: “They taught some of the hardest classes I had to take, but I walked away learning the most from them.”



Andrea Svenningsen Martinez

James Schwartz

In addition to requiring her love affair with horses, Fresno State brought a new love into Svenningsen’s life: Carlos Martinez, an agriculture education graduate who is a teacher. They were married in September. ■

Shirley Melikian Armbruster is director of news services at Fresno State.

New bounce in Bulldog basketball

By Sheri Bohigian



Steve Cleveland and Adrian Wiggins, Fresno State's new basketball head coaches, are focused on rebuilding the great traditions of Bulldog basketball, player by player.

Both face the challenges of programs that have had a variety of misfortunes recently, and both are confident the future holds great things for players and their thousands of loyal fans.

"My priority this year is to lay a foundation on the court and off, academically and socially," says Cleveland, hired in April to head the men's program. "I want to change the culture of accountability and expectations. The men are going to be students and athletes, and they are going to make a contribution to the community."

Cleveland, who counts former Bulldogs coach Boyd Grant as a role model, is back in his hometown after taking Brigham Young University to five straight postseason appearances. In the 1980s, he guided Fresno City College to an impressive string of wins on the same court where he was a standout player before achieving similar success at UC Irvine.

Looking forward, Cleveland says, "Every year our goals will be to win conference championships and get to the NCAA Tournament. But in addition to winning, we need to help the program and change the perception of it."

Wiggins joined the Bulldogs as an assistant women's coach in 1999. He played high school and college basketball in Oklahoma and was head coach



Steve Cleveland

at his alma mater, Cameron University, which he took to its first NCAA Division II postseason appearance.

Wiggins was appointed interim head coach with 11 games remaining in the 2004-05 season. He was then asked to stay as interim coach for a full season. Wiggins says he and his staff are dedicated to helping players put the knowledge they gain as student-athletes to work in their lives "so they can do well and inspire others."

"It's indicative of life today that you have to balance things," Wiggins says. "You're going to have a job and family and you have to figure out how to manage it all. Athletics helps the players learn to cope and to take those skills with them."

Bill Chaltraw, chairman of the university's Athletic Development Council and past president of the Bulldog Foundation, looks forward to seeing what the



Adrian Wiggins

new coaches can do, saying, "I like their attitudes and their approach. I'm optimistic we're going to see positive things for the programs and the university."

Cleveland says there are challenges ahead. "People have to be patient. If we're going to do this the right way and build the program to last, it has to have a strong foundation," he says. ■

Sheri Bohigian is a Fresno writer specializing in health and education.

Photos by Kelly Peterson

By Jan Winslow



Bulldog chatter

V-mail keeps fans connected

To get inside the Pride of the Valley, sign up to receive Fresno State's free V-mail on www.gobulldogs.com. Sent out periodically through e-mail, V-mail offers information on Fresno State sports, special events and promotions, donations/giving opportunities and tickets for Bulldog sports.

In elite company

Senior Bulldog quarterback Paul Pinegar no longer is anonymous on the national scene.



Justin Kase Conder

Paul Pinegar

He's one of just seven starting quarterbacks in NCAA Division I history to lead a team to three consecutive bowl victories. No one has directed a team to four straight.

With the thrilling 2004 Bulldog victory over Virginia at the MPC Computers Bowl in Boise, Idaho, Pinegar joined an impressive list that includes NFL starting quarterbacks Peyton Manning (Tennessee/Indianapolis Colts) and Joey Harrington (Oregon/Detroit Lions).

Fresno State is Commissioner's Cup runner-up

Fresno State was second only to Rice in the Western Athletic Conference's 2005 Commissioner's Cup standings for the 2004-05 academic school year, the Bulldogs' highest placement in the three-year history of the award.

The WAC awards its Commissioner's Cup to the school that performs the best in each of the conference's 18 men's and women's championships. Points are awarded in order of finish, equal to the number of teams that participate in each sport. Regular-season standings are used for football, baseball and softball.

Eleven Bulldog teams finished among the top four in regular-season conference standings or WAC championship showings to accumulate 92 points to Rice's 101.

Fresno State captured WAC crowns in softball and women's tennis and finished second in baseball and men's outdoor track and field. Football, men's golf, women's indoor and outdoor track and field and volleyball teams had third-place finishes. Women's golf and basketball and men's basketball were fourth in conference standings.

Excellence in athletics and academics

Last spring, 279 of Fresno State's 511 student-athletes – 55 percent – were celebrated at the Ninth Annual Kiwanis Torch of Excellence Dinner for their academic excellence during the previous year.

The dinner, sponsored by the Kiwanis Clubs of Division 5 and the Fresno State Athletics Department, recognizes Bulldogs who achieved at least a 3.0 cumulative GPA (out of 4.0) for the 2004 spring and fall semesters or maintained a 3.0 or higher GPA during their academic career.

Sixteen seniors were honored as Torchlighters, an award that recognizes seniors who are completing their eligibility, have lettered two of the past three years and have a cumulative 3.5 GPA.

Jan Winslow is assistant athletics media relations director at Fresno State.

Save Mart Center will get more March Madness

After hosting NCAA Division I women's basketball first- and second-round games in March, the NCAA selected Fresno State to host the 2007 NCAA Women's Basketball Championship Regional at the Save Mart Center.

The first and second rounds in 2007 will be conducted at eight pre-determined sites, two of those teams will advance to the Sweet 16 in Fresno.

For more information see www.bulldogfoundation.org.



Student-athletes lend a hand

Two Fresno State track and field student-athletes participated in the annual Western Athletic Conference Student Athletic Advisory Committee meeting that also includes a community project.

Committee members Matt Studwell and Heather Walberg met with peers from other WAC schools in Boise, Idaho, to go over plans to generate and facilitate ideas for a better athletic experience. There was also time to participate in Paint the Town, which brightens neighborhoods in the Idaho state capital.

"It is a great experience to be on the SAAC and to have the opportunity to represent my school at the conference level," says Studwell, a junior who throws the hammer for the Bulldogs.

Studwell was impressed by how the committee's "important decisions that will impact athletes are taken very seriously."

"It is really special to see the positive effect that we, as student-athletes, can have on the community," he says of participating in Paint the Town. "The tears of joy on the owner's face let us know just how big this event really was. It is nice to know that what we did for a few hours will be such a big part of someone's life forever."



Matt Studwell

Courtesy Boise State

Class notes

 Fresno State Alumni Association member



1930s

Earl Smittcamp (1939),  chairman and founder of Wawona Frozen Foods, was inducted into the Frozen Food Hall of Fame.

1940s

Lora-Lee (Edwards) Bell (1948)  was the subject of two one-woman exhibitions of her art in New Haven and Orange, Conn.

“Major Dundee,” directed by the late **David Sam Peckinpah** (1948), was re-released and re-edited for DVD and a return to theatres.

Muriel (Schmeiser) Smittcamp (1940)  was named 2005 Woman of the Year by state **Sen. Chuck Poochigian** (1972). 

1950s

Roy Christopher (1957, 1961)  was the production designer of the 77th annual Academy Awards, his 16th assignment with the Oscars.

Sidney “Sid” Cox (1952)  was honored by the Boys Scouts of America, Sequoia Council, for 40 years of service to Scouting, youth and the community.

Coke Hallowell (1957)  was one of six nationwide winners of the annual Jacqueline Kennedy Onassis Award for Outstanding Public Service, the top tier of the Jefferson Awards program.

Lucy (Edenborough) Mathis (1950)  and her husband, Lee Roy, received the University of Texas at Tyler’s highest honor, Patriots of the Year, for contributions and support.

Antonio “Tony” Petrosino (1953)  donated Office 216: Operations Coordinator Office at the university’s newly expanded Duncan Building.

Jerry Tarkanian (1955)  became the co-host of “The Shark Tank” on Sirius Satellite Radio.

Jay Tomlinson (1959) was hired as manager of Northern Nevada Operations for StoneHedge Financial Group.

1960s

James Donlon (1968) has been named senior vice president and CFO for ArvinMeritor in Troy, Mich.

Marlene (Tucker) Duncan (1969) has been credentialed as the sole female master instructor in the U.S. by the Civilian Marksmanship Program. She and her husband, **Jack Duncan** (1969), teach Junior ROTC instructors on how to teach air rifle marksmanship.

Ronald Ewing (1969) was promoted to chief executive officer of Dewberry in Fairfax, VA.

Janet (Heintz) Funk (1964),  principal of William Halley Elementary School in Burke, Va., was recognized as Fairfax County Principal of the Year. She also was a Washington Post Distinguished Educator award winner and received the Virginia Association of Elementary Schools Bell Award.

August “Augie” Garrido (1961), head baseball coach at the University of Texas, achieved his 1,500th career coaching win and his Longhorns team won the NCAA College World Series.

Frank Gilstrap (1968) was appointed resident director of the Texas A&M University System Agricultural Research and Extension Center in Dallas.

Marilynn “Mimi” Mann (1964)  exhibited fine art photography at Fresno City Hall.

Harry (Margosian) Markus (1961)  was appointed business development officer for United Security Bank in Fresno.

Roland Signett (1966) was hired as city administrator by Durham, Ore.

1970s

Lynne (Ayers) Ashbeck (1977)  was re-elected to the Clovis City Council.

James V. Boren Jr. (1972),  editorial page editor of *The Fresno Bee*, received the 2005 Jim Tucker Journalism Award, presented by the Mass Communication and Journalism Department.

William Boyajian (1975), president of the Gemological Institute of America, was honored at a special dinner for his 30 years of service.

Darryl DeLuca (1975) was appointed branch manager/California sales manager for U.S. Mortgage Center in Fresno.

Allen Gaad (1974), who retired after 29 years with the Fresno County Sheriff’s Department, was sworn in as lieutenant in the University Police Department at Fresno State.

Marine Maj. Gen. Jon Gallinetti (1972),  was honored for 36 years of military service at the 22nd Clovis Hall of Fame and Community Awards Gala.

Mark Grewal (1979) was named the chief operating officer of SK Foods, a California-based tomato processor.

Jeanne Hatfield (1975)  was promoted to principal of Clovis West High School.

Andrew E. Hoff (1973) was named interim dean of the Fresno State’s College of Engineering.

Bill Jones (1971),  a former California Secretary of State, was appointed director and chairman of the board of Pacific Ethanol in Fresno.

Willie “Mac” McDaniel (1973) was named the head of the Modesto-Stanislaus Chapter of the NAACP.

Bulldog Boulevard

We’ve all heard of Park Avenue, Broadway, Sunset Boulevard and Avenue of the Americas. This fall, a trendy new address for Fresno State fans joins the list: Bulldog Boulevard.

It is a free, family-oriented tailgate party planned for three Saturday home football games. Bulldog fans of all ages will gather on Bulldog Boulevard, near the intersection of Cedar and Barstow avenues, just north of Bulldog Diamond, for food, drink, music, a Fun Zone for children and a chance to catch up with friends.

Presented by the Fresno State Alumni Association, the activities begin three hours before kickoff of the games against Weber State on Sept. 10 (season opener), Utah State on Oct. 15 (Homecoming) and intrastate WAC rival San Jose State on Nov. 5.

There is no charge for admission. Food, beverages and Bulldog souvenirs will be available for purchase at the Dog Pound tent.

“The Fresno State Alumni Association is proud to be the presenting sponsor of Bulldog Boulevard,” said John Gomes, president of the board of directors. “We are excited to offer our members and all Red Wave fans a place to enjoy themselves before the Saturday home games.”

For more details, there’s a Web link at

www.fresnostatealumni.com.

Top Dog Alumni Awards Gala

The Top Dog Alumni Awards Gala, perhaps the most glittering event held on campus, pays tribute to outstanding alumni. The October dinner and award ceremony also provides the Fresno State Alumni Association the opportunity to present \$85,000 in scholarships to students and raise money for the association's Student Scholarship Endowment Fund.

This year's gala honors **Richard Houghten** as Distinguished Alumnus. Houghten, a 1968 graduate with a bachelor of science degree in chemistry, is founder and president of the San Diego-based Torrey Pines Institute for Molecular Studies, which has a worldwide reputation in medical research. He is an internationally recognized authority on peptide chemistry and combinatorial chemistry discovery techniques. He is the author of more than 480 articles and holds 60 U.S. patents.

Honored as Outstanding Alumni are:

James A. Gomes (1977), senior vice president for marketing and purchasing for California Dairies, nominated from the College of Agricultural Sciences and Technology.

Ray Steele Jr. (1968), president and publisher of The Fresno Bee, College of Arts and Humanities.

Mathias Franklin Matoian (1965), the president and CEO of

OK Produce, Craig School of Business.

The Sons of the San Joaquin — **Jack Hannah** (1957), **Joe Hannah** (1979) and **Lon Hannah** (1987), a Western singing group, Kremen School of Education and Human Development.

Hugo Kevorkian (1961), senior principal geotechnical engineer with BSK Associates, College of Engineering.

Helda Pinzon-Perez (1992), an associate professor of health science in Fresno State's College of Health and Human Services.

Thomas Downing (1970), a dentist, College of Science and Mathematics.

Wendall Bell (1948), professor emeritus of sociology at Yale University, College of Social Sciences.

Bruce Bronzan (1969), former state legislator and now president of Trilogy Integrated Resources, Division of Student Affairs.

The Arthur Safstrom Service Award will be awarded to longtime Fresno State supporters **Bud and Jan Richter**.

Mark Mimms (1979) was given the Partners Circle Award as one of the top Commercial Real Estate Brokers in the U.S. for 2004. He is affiliated with Sperry Van Ness in Fresno.

Carolyn (Maley) Mooradian (1972) became president of the Fresno Chapter of the National Association of Women in Construction.

Harald Mynster (1971) was appointed as president of San Jose-based Elcon, Inc.

John Patnott (1973), men's swimming coach at Hope College in Holland, Mich., celebrated his 25th year of coaching. He is a three-time NCAA Division-III Coach of the Year.



Louise Paulsen (1977, 1998) was named Adventist Health/Selma Community Hospital's Registered Nurse of the Year in Education.

Stephen Peck (1973) was elected chairman of the board of directors for Quad Knopf.

Cheryle Syvertsen (1971) and her husband, **William**, (1970) have opened The Tutoring Club, an educational franchise, in Fresno.

James Vidak (1974), Tulare County schools superintendent, received the Charles Binderup Award by the Small School Districts Association.

Mike Watney (1974), Fresno State men's golf coach, was featured in the May/June 2005 issue of *HIS* Magazine.

Katrina (Brenget) Williams (1972), a fourth-grade teacher at Steinbeck Elementary in Fresno, received a Presidential Award for Mathematics and Teaching from President Bush at the White House.

Robert Woolley (1977) was named finance director for the city of Clovis.

1980s

Mark Astone (1988) became the new, sole owner of Fresno-based Panagraph.

Jeffrey Atmajian (1983) received an Academy Award nomination for orchestrating the film "The Passion of the Christ."

Michael Dana (1980) received the Fresno Advertising Federation's J.U. Berry Award.

Fresno Police Chief **Jerry Dyer** (1984) was elected third vice president of the California Police Chiefs Association.

John Forestiere (1989) founded Forestiere's Italian Delicatessen in Fresno.

Gregory Gaither (1984) was appointed director of academic information systems at the University of California, Santa Cruz.

Robert Gauthier (1983), a Los Angeles Times photographer, was a member of the team awarded the Pulitzer Prize for public service for exposing inadequate care at a Los Angeles medical center.

Luz Gonzalez (1983, 1987) was named dean of Fresno State's College of Social Sciences.

James Jadrich (1982) won the 2005 Presidential Award for Exemplary Teaching at Calvin College in Grand Rapids, Mich.

Scott Kateian (1985) was named Executive Vice President, Sales and Business Development at ECHO Health in Cleveland, Ohio.

Scott Keller (1984) invented the Presentation Mate Dry Erase Marker Caddy manufactured by Strategic Synergies.

Paul Knebel (1983) joined CTX Mortgage in Fresno as a loan officer.

A retrospective of art by the late **Enrique Lopez** (1982) was exhibited at the River Ranch House of the San Joaquin River Parkway & Conservation Trust.

James Lowe (1981) 🐾 was hired as the director of strategic marketing for Jeffrey Scott Advertising in Fresno.

Dana (Zupanovich) Lucka (1981, 2000) 🐾 became director of development for the university's College of Engineering.

Robert "Tony" Martin (1986) was promoted to regional manager of operational leadership for Kleinfelder, Inc. for seven locations within Central California.

John V. Mitchell (1980) was hired as Eloy, Ariz., city engineer.

Rina Molari-Korgel (1983) was hired as metrology specialist and technical key account representative for Leica Geosystems.

Steven W. Monk (1985) was promoted to vice president and regional manager for Diversified Exchange Corporation's Central Valley, San Joaquin and Northern California branch office operations.

Lawrence Lance Omeje (1986), a teacher at Fresno's Turner Elementary School, received the 2005 California Foundation for Agriculture in the Classroom's Excellence in Students Award.

Chris Pacheco (1985) 🐾 became the new owner of ESPN Radio's Fresno affiliate KFIG, AM 1430.

Sarah Reyes (1985), a former member of the California Assembly, was appointed executive of the Community Food Bank in Fresno.

John Segale (1983) founded Precision Public Relations in Roseville.

Gena Strang (1988), 🐾 a former Fresno State softball All-American, was named assistant director of development for athletics.

David Wear (1981) was promoted to CEO at RHA, Inc. in Fresno.



Peter Robertson

Fresno State-USC tailgate

Relive the excitement of the 1992 Freedom Bowl victory and join Fresno State Alumni, friends and fans as the Bulldogs battle the Trojans in Los Angeles on Nov. 19, 2005.

Tailgating begins at 4 p.m., three hours before kickoff of the Fresno State-USC football game that will be televised on FOX Sports Net. It's the first time since that night 13 seasons ago in Anaheim when the long-odds Bulldogs upset the Trojans 24-7, gaining a place on the national football stage.

This fall's Bulldog alumni gathering will be in Jessie Brewer Park near the Los Angeles Memorial Coliseum.

Details can be found at:
www.fresnostatealumni.com.

Kenneth Wittwer (1986) was elected chair of the Community Food Bank in Fresno.

Aleta (Walkowiak) Wolfe (1988) received the Ambassador of the Year Award by the Clovis Chamber of Commerce.

1990s

Matthew Backowski (1997) opened a franchise of The Little Gym in Fresno.

Ronald Berglund (1991) was appointed a family service professional by Stephens and Bean Funeral Chapel in Fresno.

Edgar Blunt (1998) was promoted to vice president at Denham Personnel in Fresno.

John Boyle (1998) joined the Buckman-Mitchell Group in Visalia specializing in commercial insurance.

Jake Bragonier (1996), formerly assistant director of media relations for Fresno State athletics, became the new public information officer for the Madera Unified School District.

Juan Chaidez (1997) was promoted to principal of Dingle Elementary School in Woodland.

S. Matthew Cunningham (1993) was hired as development and communications associate for the Gay and Lesbian Center of Greater Long Beach.

Donna DeRoo (1992), 🐾 a capacity building specialist with the Central

California Children's Institute at Fresno State, was one of 20 researchers, administrators and minority health grant specialists chosen to represent the Hispanic Association of Colleges and Universities.

Trent Dilfer (1993), 🐾 a former standout Bulldogs quarterback, was traded by the NFL's Seattle Seahawks to the Cleveland Browns.

A. Mark Doggett (1999), chair of the Department of Industrial Technology at Humboldt State University, was selected as an exemplary member of Epsilon Pi Tau.

Jennifer B. Emerzian (1997, 2000) and her business partner, Ami Zinkin, founded She She, a boutique in Fresno.

Daniel Guernsey (1996) was named president of Ave Maria College in Ypsilanti, Mich.

Matthew Iknoian (1999) founded whattimedolwork.com, an online employee scheduling service.

FRESNO STATE ALUMNI ASSOCIATION

BOARD OF DIRECTORS

Executive Board: President John Gomes (BS 1979, MBA 1994); Past President Kenneth Campbell (BA 1969, MA 1974); Vice President, Finance/President-elect Valerie Vuicich (BS 1979); Vice President, Membership Warren Fortier (BS 1996, MBA 1998); Vice President, Marketing and Special Events Judy Sharp; Vice President, Alliances Frances Pena-Olgin (BS 1977, MSW 1979); Vice President, Board and Volunteer Development: Doug Yavanian (BA 1965); Vice President, Smittcamp Alumni House: Scott Bell (BS 1982).

At-large directors: Angela Alejandro, Mark Barsotti (BS 1992), Alpoohn Bigelow (BS 1997), Caroline Edwards (BA 1965, MA 1990), Bret Engelman (BS 1996, BS 1999), David Emerzian (BS 1999), William Forbes (BA 1948), Maureen Lewis (BS 1995), Omel Nieves (BA 1983), Michael O'Brien (BS 1994), Dr. Arthur A. Parham, (BS 1971), Mike Patton (BS 1976, MBA 1972), Debbie Poochigian (BS 1974), Hon. Armando Rodriguez (BA 1959), Charles Small (BS 1979), Darlene Spano (BA 1969), Richard Whitten, MD, (BS 1961).

Ex-officio members: University President Dr. John D. Welty, Vice President for University Advancement Dr. Peter N. Smits, Associated Students President Jennifer Reimer.

Fresno State Alumni

Association staff: Executive Director Jacquelyn Glasener (MA 2002); Assistant Director, Alumni Programs Leticia Reyna Cano (BS 1998, MA 2002); Manager, Membership and Marketing Peter Robertson (BA 1992, MA 1995); Office Manager Diana Sewell; Programs and Events Assistant Elizabeth (Ragandac) Salvador (BS 2000); Smittcamp Alumni House Manager Lois May; Membership Coordinator Peggy Ramos; Student Membership Assistant Jennifer Vogt.

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March with the penguins

If you've always wanted to add the least-visited continent to your list of travel adventures, the Fresno State Alumni Association has you covered. And you get to share your voyage of discovery with other Bulldog alumni.

Travel Dynamics offers a first-class cruise Feb. 10-23, 2006, aboard the all-suite, 114-passenger *Corinthian II* that takes in the breath-taking scenery and animal life that make the White Continent unique.

Call toll free: **800.257.5767**.



Courtesy Travel Dynamics

Benefits of Bulldogs Bucks

The Alumni Association has added 18 partners to scores of others that provide special benefits for association members.

With the additions, nearly 100 partners offer special discounts and other incentives to Alumni Association members.

The newest partners include Allee Brand BBQ, B Alive Vitamins, CSA Travel Protection, Custom Flooring Center, the Dent Guys, Fotech photo imaging labs, Jiffy Lube, Kar Surgeons, Kelly Paper, My Internet Café, North American Van Lines, Paul Evert's RV Country, Red Carpet Car Wash and Quick Lube, Renaissance, Sunstar Tans & Salons, University Alumni Travel Benefits and VPI Pet Insurance.

For a complete list of membership benefits, log on to www.fresnostatealumni.com.

Lesley Lang-Lopez (1993) was named SBA 504 Banker of the Year by the Cen Cal Finance Group. She works for Central Valley Community Bank.

Adam LaZarre (1997) became the winemaker at Hahn Estates in Soledad.

Skip Longfellow (1993) was nominated for a 52nd annual Golden Reel Award in sound editing for his work on the movie "I, Robot."

Nathan Magsig (1999) was re-elected to the Clovis City Council, then elected mayor by the council.

Kim Maher (1996), a U.S. Olympic softball gold medalist in Atlanta, was named Purdue University softball coach.

Laurie Marshall (1999), an aerospace engineer with NASA, was presented the 2005 Golden Torch Award for Outstanding Woman in Technology by the National Society of Black Engineers.

Anne Melvold (1999) was appointed marketing manager for the Save Mart Center at Fresno State.

David J. Nangle (1990) was appointed president of J.W. Harris Co., a division of Cleveland, Ohio-based Lincoln Electric Holdings.

Norine Oliver (1990) was posthumously given the Alumna of

the Year Award for Distinction at the West Hills College commencement in Coalinga.

Stephen Ortega (1991, 2005)  was promoted to the Display Advertising Department at The Fresno Bee.

Addy Perez-Mau (1991), who owns Heaven Sent Jewelry in Fountain Valley, was selected as 2005 Small Business Owner of the Year by the Orange County Hispanic Chamber of Commerce.

Shannon (Spann) Puphal (1998)  was named Fresno State's director of campaign communications.

Ruth Quinto (1990), formerly interim assistant Fresno city manager, was hired as chief financial officer of the Fresno Unified School District.

Ultiminio "Tim" Rios (1993), vice president of community development for Wells Fargo Bank in Fresno, received the Central California Financial Services Champion of the Year Awards from the Small Business Administration.

Amy Rocha (1998) was named a district conservationist for the Natural Resources Conservation Service by the USDA in Jackson.

Greg Romagnoli (1992), a CPA, was promoted to partner in Stoughton Davidson Accounting Corporation in Fresno.

Miguel Rueda (1998) was named interim director of sports medicine at Fresno State.

Dr. Jose Saldivar (1990), who teaches biology, was named Professor of the Year at Bakersfield College.

Eric Tobias (1990) was promoted to executive vice president of Placer Sierra Bank in Fresno.

Erik Traeger (1996) was named the interim strength and conditioning coach at Fresno State.

Steven Villagomez (1997) appeared on "Good Morning America" on the segment "Man Finds Mystery Nail in His Neck."

2000s

Jeffrey Bernard (2005) completed his Army ROTC at Fresno State and was commissioned as a 2nd Lieutenant with the XVIII Air Field Artillery at Fort Bragg, N.C.

Justin Kase Conder (2004), a Fresno-based freelance photographer, took the cover photo of St. Louis' Gateway Arch for the book "Missouri 24/7" and had three photographs in "America 24/7."

S. Eric Day (2003) co-founded the outdoor Woodward Shakespeare Festival in Fresno.

Jayson Emerian (2004) opened Trinity Construction in Fresno.

Kelly Graham (2005) was a 2004 National Finalist Pro Performer at the annual General Nutrition Center (GNC) Franchise Convention. She manages a GNC at River Park in Fresno.

Kimberly Grant (2003), a tax accountant with Torosian & Walter in Fresno, obtained the Certified Public Accountant professional designation.

Lori Groh (2005) joined Roeser Accountancy Corp. in Fresno to assist in accounting, tax preparation and business-advisory services.

Ronda L. Hamm (2000) has had her master's thesis published in the Journal of Economic Entomology.

Adam Holt (2000) was promoted to associate principal at Blair, Church & Flynn Consulting Engineers.

Ryan Knight (2004) was appointed as an analyst/programmer for University Development at Fresno State.

Cameron McClure (2004), who raps under the name Sole Profit, won the Hip-Hop Supastar contest.

Walter J. Pierce II (2003) was promoted to branch manager of Wells Fargo Financial in Moreno Valley.

Carmo Rodrigues (2002) was hired as an executive recruiter with Denham Personnel Services in Fresno.

Tierre Sams (2001), a receiver/defensive back, played for the arenafootball2 football league's Central Valley Coyotes after a stint with the Ottawa Renegades of the Canadian Football League.

Joe Schey (2002)  appeared in the movie "The Longest Yard," with Adam Sandler and **Brandon Molale** (1996).

Roberto Vaca (2004) received the Student Leadership Award at the California State University System Alcohol Conference.

Alumni by the Numbers

2 J. "Jaguar" Bennett (1992) and Mallory Moad (1980) performed at the 2004 Rogue Festival in Fresno.

2 Horizon Award winners recognized by the Fresno Art Council for their contributions to the arts in the Valley: Duane Weston (1951), who conducts the Clovis Community Band, and Joel Abels (1996), founding director of Children's Musical Theaterworks.

5 Featured performers in "Sing! A Musical Revue," a benefit for UCP of Central California: Katie and Terry Lewis,  Eric Estep (1991), Heidi Doyle (1991, 1993) and Nate Butler (1971).

9 Fellows of the Central California Institute, a public policy research foundation in Fresno: Gail Abbott, Lloyd Carter (1982), Nicholas J. deGraff, Raymond Ensher (1956)  Bryan Jessup,  Vincent Lavery, Richard Martinez, Jr., Stephen Sacks and Pam Whalen (1982).

10 Artists showcased by Fresno's Gallery 25 in a Members Show: Lynne Anderson (1999), Sharon Arias (2000, 2002), Donalee Dunne (1996, 1999), Ken Foster (2005), Doug Hansen (1974, 2001),  Tina Niswonger (1974, 2002), Sylvia Savala (1975),  Armando Torres, Robert Weibel (1990)  and Nancy Youdelman.

100 M-Scopes portable walk-through metal detectors made by Fisher Labs of Los Banos and used for security in the Iraq national elections. John Chernenkoff (1986) is the president of Fisher Labs.

Marriages

Robin Aniotzbehere (1997) and Michael Ward on April 30, 2005.

Jennifer Beaton (2000) and Jeff Silveira on March 5, 2005.



Peter Robertson

Alumni Association recognized

The Fresno State Alumni Association won two awards at the Central California Image Awards for Excellence in Public Relations.

Recognition from the Public Relations Society of America went to the association's 2003-04 Annual Report and The Bulldog Byte, the monthly e-newsletter.

Subscribe to The Bulldog Byte at www.fresnostatealumni.com.

Supporting student scholarships

The Fresno State Alumni Association allocates 10 percent of annual membership fees to a Student Scholarship Endowment Fund and this year awarded \$85,000 to students based on academic achievement and financial need.

In the past decade, more than \$500,000 has been donated to the fund, ranking the Alumni Association No. 1 among the 23 campuses of the California State University system.

Elizabeth Camarena (2004) and David Sanchez on June 18, 2005.

Sarah Elizabeth Crenshaw and Daniel William Netzley on April 23, 2005.

Peter Cooper (1994) and Michele Nilmeier on May 21, 2005.

Lisa Dukes (1997) and Branden Bessant on Jan. 29, 2005.

Tasha Dunn (2003) and **Jarrod Hicks** (2002) on June 4, 2005.

Heather Nicole Duzi (2001) and Derek Anthony Owens on June 18, 2005.

Kristin Cathey (2002) and Javier Garcia on July 16, 2005.

Jennifer Felten (2002) and Nick Kattelman on June 4, 2005.

Christy Fiorentino (1997) and Shawn Ferreria on April 9, 2005.

Cynthia Jamison (1992) and Kenneth Drake on April 9, 2005.

Joseph Kennerley (1998) and Genevieve O'Neill on April 30, 2005.

Gary Leff (1996) and Shanna Follansbee on May 29, 2005.

Brandon Leonard (2004) and Kelli Christine Jonkey on May 29, 2005.

Jesie Lewis (2002) and Marc Ormsby on July 23, 2005.



Blasts from the past

The Alumni Association salutes the Class of 1955, which graduated 50 years ago.

The 1955 "Campus" yearbook includes these photos.

Do you know who these students are? Check your memory against the answers on Page 39.



Alma Mater

Let us in song, our voices raise
In cloistered courts, to sound thy praise.
Each voice and heart that sings is true
To thee, oh, Cardinal and Blue.
For thee, our hopes and memories;
For thee, our hearts and loyalties.
Thy sons and daughters hail thee great,
Our Alma Mater, Fresno State!



The Bulldog Byte

Fresno State alumni can subscribe to the award-winning monthly E-newsletter, The Bulldog Byte. Connect online at www.fresnostatealumni.com.

Eric Lozano (2001) and Claudia Munoz on March 18, 2005.

Andrea Miller (2003) and Marshall Gregory on Oct. 23, 2004.

Christy Painter (2003) and **Rodney Olson** (2003) on March 19, 2005.

Andrea Peters (2002) and Justin Mostes on June 25, 2005.

Anthony Pretto (1998) and Alexandrina Mandell on July 30, 2005.

Matthew Russell and **Emily Sandhurst** on Nov. 16, 2004.

Kimberly Sloan (2003) and Christopher Malven on June 20, 2003.

Dustin Van Gallegos (2005) and Jillian Rose Achelpohl on July 15, 2005.

Kazy Van Sprew (2004) and **Mark Gutierrez** (2003) on March 26, 2005.

Sara Verral (2004) and Joel Higgins on March 12, 2005.

Amber Wilson (1999) and Timothy Smith on Dec. 29, 2004.

Engagements

Kristi Knight (1985) and Philip DeRouche

Craig Ledbetter (1986) and Suzanne Lambert.

Caty Massey and **Alex Perez** (2000).

Michelle Mayfohrt (2004) and Damon Coupe.

Kassandra "Kasey" Melenbacker (2004) and Rodney Krouskup.

Catherine Pecora (2001) and Leo-Eric Flores.

Lisa Simon (2003) and Matthew Gerking.

Alumni of tomorrow

Eric Lozano (2002) and Randi Gouff gave birth to a boy, Pete Michael, Dec. 4, 2004, in Hanford.

Retirements

Larry Clement (1977), as director of the University of California Cooperative Extension Offices for Solano and Yolo counties.

William Cutting (1951), after 35 years, as owner-operator of Cutting's Western Wear in Fresno.

Dennis DeLiddo (1968), as Fresno State wrestling coach for 24 seasons.

Martin McIntyre, as Fresno public utilities director.

James A. Schulte (1974), from a 30-year career in teaching at Esparto High School.

Susan (Nielsen) Stiltz (1988), as projects director for Tree Fresno.

In Memoriam

Harold K. Adolphson (1941) on Feb. 25, 2005.

Stephen Lee Anderson (1960) on June 5, 2005.

Edward Aparicio (1984)  on April 5, 2005.

Deborah Austin (1992) on March 4, 2005.

Darrell Avedisian on July 6, 2005.

Sidney Berlin (1949) on June 26, 2005.

Theresa Borges (1988)  on July 12, 2005.

Lyle Dixon (1957) on July 3, 2005.

Rena (Steiner) Durbahn (1948) on June 8, 2005.

Maude Edmonson (1959) on June 7, 2005.

Barbara (Carnahan) Evans on June 24, 2005.

Brooke Faria (1958) on June 17, 2005.

Elisabeth Flores (1996) on March 2, 2005.

Margaret (Cox) Frodsham (1940) on April 19, 2005.

Richard Gagnebin on July 5, 2005.

Billy Joe George (1985) on Jan. 29, 2005.

Dolores Golightly (1998) on June 5, 2005.

Barbara (Gast) Graham (1946) on July 11, 2005.

James V. Gregory (1949)  on June 19, 2005.

Jack Hall (1949) on Jan. 14, 2005.

Ann Tamara Hamm (1977) on Feb. 23, 2005.

Joyce Harper (1961) on May 4, 2005.

Nish Haroian (1951) on Feb. 6, 2005.

Thomas Anthony Hutton (2002) on June 13, 2005.

William Jeffrey (2003) on June 20, 2005.

Joyce (Winther) Johnson on July 10, 2005.

Roger Kite (1976) on July 10, 2005.

Mical Lassen on June 8, 2005.

Jewell (Schoonover) LeRoux on Jan. 30, 2005.

Jacques Lindauer on May 6, 2005

Enrique Lopez (1982) on June 9, 2005.

Elio Lucas (1973) on July 13, 2005.

Kenneth Luckin (1942)  on March 3, 2005.

Larri Mariscal on June 12, 2005.

Ruth (Rowe) McCormick (1952) on June 8, 2005.

Charles Darrell McKnight on June 14, 2005.

Richard W. McWilliams (1950) on May 15, 2005.

Edgar Mikow on June 21, 2005.

Claudius Patton on June 10, 2005.

Owen Putler (1947)  on May 26, 2005.

Nancy Rademaker (1972) on Jan. 31, 2005.

Albert "Al" Radka (1941)  on March 9, 2005.

Richard Rangel (1954) on July 7, 2005.

John Reep (1964) on March 4, 2005.

R. Brian Sagaser (1973) on March 10, 2005.

Sidney S. Sakamoto on June 30, 2005.

Robert Franklin Sala on June 18, 2005

Harold Samuelian (1943) on May 18, 2005.

William H. Sanderson (1946) on April 6, 2005.

Timothy Savage (1988) on June 5, 2005.

Bonnie (Spickard) Schilling (1962) on May 27, 2005.

Vivian Skavdahl (1942) on Feb. 13, 2005.

William T. Shirley (1961) on March 7, 2005.

Miriam Silveira  on May 5, 2005.

Leslie L. Snyder, Jr. (1972) on July 2, 2005.

Alice Standeford on June 22, 2005.

Marilyn Treglazoff (1988) on Feb. 3, 2005.

Wallace Trukki (1958) on June 29, 2005.

Frank Emory Turpie on July 18, 2005.

Larry P. Vietty on May 14, 2005.

James H. Wolf (1972) on June 28, 2005.

Eunice Tatarian (1939) on April 20, 2005.

Joline Wasemiller (1947) .

Leland "Lee" Weppler (1959) on March 4, 2005.

James Worton (1955) on March 6, 2005.

BLASTS FROM THE PAST answers:

The Brawl – In the annual competition between classes, called The Brawl, freshman class president Larry Radanovich gains on sophomore Doug Thompson in the cycling event.

Dances – Attendants Joan Serpa and Peg Bunton flank Military Ball Sweetheart Bev Thompson at the Air Force ROTC's big social event, the Military Ball.



Peter Robertson

Stephen Paul Ortega (center) with parents

Take your place on the Bulldog Walkway

Stephen Paul Ortega (BA 1991, MBA 2005) received his Bulldog Walkway personalized brick, inscribed "A Proud Bulldog," as a graduation gift from his parents Janice and Henry Ortega, Jr.

He is an Alumni Association member and president-elect of the Alumni & Friends of the Craig School of Business Chapter.

Bricks for the Bulldog Walkway, which is adjacent to the Save Mart Center, are \$1,000, \$500 or \$250 each.

Sales of bricks for the Bulldog Walkway, sponsored by a generous initial donation from Merrill Lynch, benefit the Student Scholarship Endowment Fund.

For information about purchasing bricks, check online at www.fresnostatealumni.com or call Lois May at 559.278.2761.

Stories by Megan D. Jacobsen

Ag College yields bumper crop of Commencement medalists

We hear a lot about Fresno State's leaders of tomorrow, but the College of Agricultural Sciences and Technology also is home to such leaders in the present tense as Neil Gibson, Molly Fagundes and Laurel May, all medal winners at 2005 Commencement.

Gibson received the President's Medal, the university's highest award, while May was awarded the Graduate Dean's Medal, which honors the top graduate-degree recipient. Fagundes was presented a Dean's Medal from the Division of Student Affairs.

Gibson maintained a 4.0 GPA in his agricultural business major and classical studies minor while also serving as Associated Students president (2003-04) and serving internships in then-Rep. Cal Dooley's office and with Gov. Arnold Schwarzenegger. Gibson, who is from Lucerne Valley, was named one of 60 Phi Kappa Phi 2005 Graduate Fellowship recipients. He deferred pursuing a master's degree at the Paul H. Nitze School of Advanced International Studies in Washington, D.C., for a year to teach English classes to students at the Henan Polytechnic University in China (see www.neilgibson.blogspot.com).

"Fresno State equipped me with more than technical knowledge," Gibson says. "Whether it is translating Sophocles, analyzing agricultural



Courtesy Neil Gibson

Neil Gibson



Courtesy Molly Fagundes

Molly Fagundes

policy or studying Chinese, what I learned from Fresno State will remain with me for the rest of my life."

Fagundes also made time to be Associated Students president (2004-05). She also was an FFA state vice president, a Fresno State Agricultural Ambassador, president of the Council of President's Scholars and was active service on campus and in the community.

Fagundes, who is from Atwater, graduated with a major in agricultural communications and a minor in ag economics. She spent eight weeks after graduation in Washington as one of seven fellows of the 2005 Ford Congressional Hispanic Leadership Institute.

"Without a doubt, Fresno State broadened my horizons both in and out of the classroom," Fagundes says.

May, who is from Fresno, completed her M.S. with a 3.9 GPA while working full time as an intern for the U.S. Department of Agriculture as a marketing specialist. Her internship converted into a full-time job after she graduated.



Roger Jerkovich

Carol Chandler

Alumna Chandler serves needs of agriculture, education

Fresno State alumna Carol Chandler has dedicated her life to the education and continuing health of California's agricultural industry, now serving as a trustee of the California State University system.

Chandler prepared for her busy life today by obtaining a bachelor's degree in physical education from the University of California, Davis, then adding a secondary teaching credential and master's degree in physical education from Fresno State.

She taught at Valley schools, including Fresno City College, before leaving the classroom, and increasing her involvement in community, service and civic organizations. She also devoted time to the family business, Chandler Farms, which grows grapes, almonds and tree fruit near Selma. She handles the business end of the operation and her husband, Bill, is the farmer.

Chandler served as state president of California Women for Agriculture and is a member of the board of the Western Growers Association. She has served on the California Postsecondary Education Commission and the University of California Board of Regents. She was honored as one of the California State Legislature's Women of the Year in 1992 and 2002.

In 2004, Gov. Schwarzenegger appointed Chandler to the CSU board as the only trustee with a background in agriculture and the only one from the San Joaquin Valley.

"The CSU system is a crucial aspect of the economy and to the future workforce in the Valley," Chandler says. "We need to keep up with demands by training a high-tech workforce and encouraging research for industries such as agriculture." ■

Megan D. Jacobsen, a Smittcamp Scholar at Fresno State, is a sophomore and majoring in agricultural communications.

Pistacia chinensis

This Chinese pistache, one of several dozen in the parking lot east of the Joyal Administration Building, was painted in opaque water color on colored mat board. Approximately 250 Chinese pistache trees dot the Fresno State campus.



Randy Vaughn-Dotta

“In autumn their leaves are drop-dead gorgeous — deep red and gold. The colors surprise and stop me cold each time I start to leave for home. I stand and share their beauty for a moment, reflecting that I’m in the autumn of my own career, and then move on, trying to remember where I parked my car.”

Professor Terry Miller is a playwright who has taught in the Department of Theatre Arts at Fresno State since 1969.

Tree Portraits appears regularly in *FresnoState Magazine*. Illustrator Doug Hansen, a Fresno State alumnus, teaches in the university’s Department of Art and Design.

The Fresno State campus, which has 4,000 trees, officially was designated an arboretum in 1978. If you’d like to write about a favorite tree at the university and have it illustrated for Tree Portraits, contact Hansen at dhansen@csufresno.edu or 559.278.2817.

Change Service Requested



INCORPORATING SPORTS LESSONS

Former Fresno State equestrienne Andrea Svenningsen Martinez says competing helped her get ready for life after college. *Page 30*



REC CENTER OPENS SOON

The student-financed facility next to the Save Mart Center will encompass fitness, learning and leisure. *Page 7*



HANDS-ON LEARNING

Lisa Wilson is one of scores of students who work around the clock on the Fresno State Farm, gaining valuable experience. *Page 23*