

PRESIDENT BAKER EARNS TOP CEO LEADERSHIP AWARD



Cal Poly President Warren J. Baker received the 2004 Chief Executive Leadership Award from the Far West Region of the Council for Advancement and Support of Education (CASE).

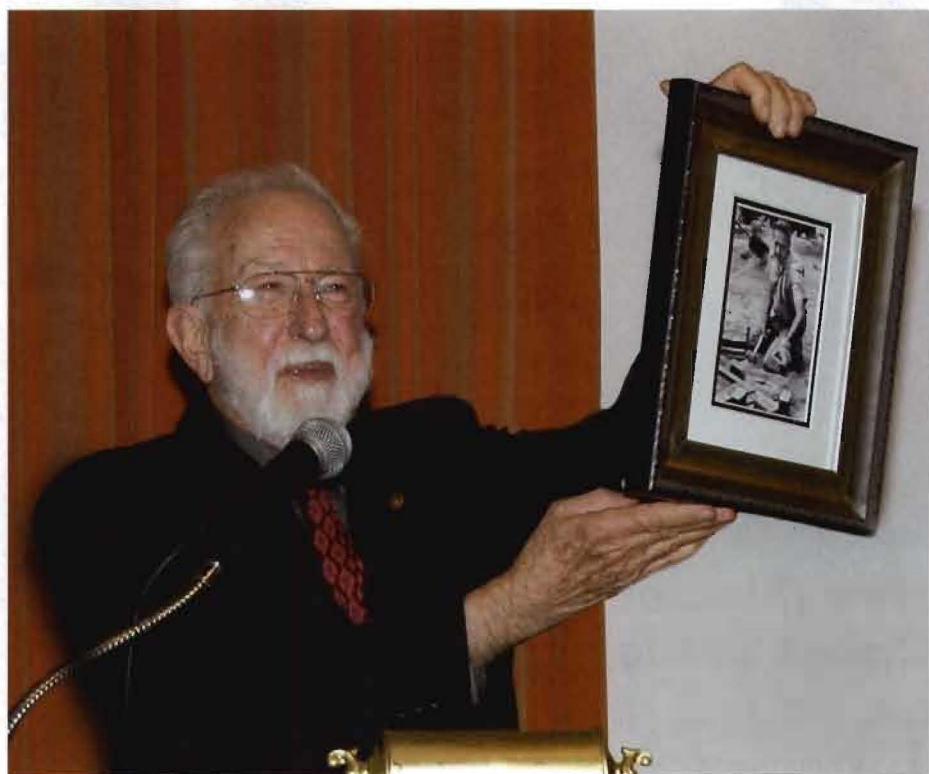
The award was created in 1999 to honor institutional leaders for outstanding contributions to their campus, for efforts to promote and support public understanding of education, and for support of advancement at their campuses.

"Warren Baker certainly deserves this honor for all that he has done for Cal Poly, San Luis Obispo, and the entire CSU system, but particularly in the field of advancement, where he has led his team to new heights," said Charles B. Reed, chancellor of the California State University system.

Baker, who has served as president of Cal Poly since 1979, has achieved distinction as a teacher, scholar and administrator. Under his leadership, the university's Centennial Campaign raised \$264.4 million, an amount that was 18 percent over its goal.

CASE is an international association encouraging support for higher education. ■

ARCHITECTURE PROFESSOR EMERITUS KEN SCHWARTZ HONORED



Ken Schwartz (Photo by Tim Olson)

Architecture Professor Emeritus Ken Schwartz, former San Luis Obispo mayor and city councilman, was honored by the city for 50 years of service. Approximately 170 people turned out for Ken Schwartz Appreciation Day to applaud his leadership and the sweeping impact he has had on the city.

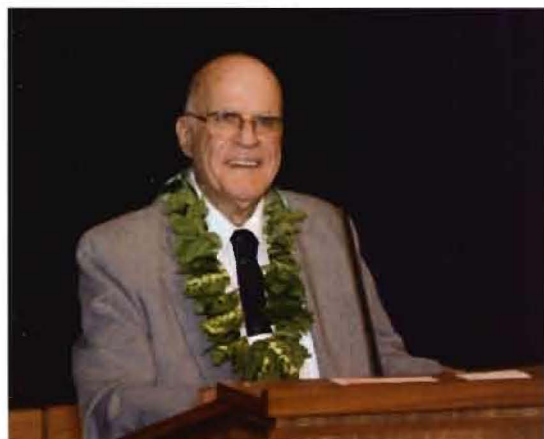
Anyone who has ever strolled the streets of downtown San Luis Obispo knows it's a special place. And to many, Schwartz, who served five terms as mayor, is largely responsible for that feeling. His creativity and foresight is clearly evident throughout the city, from Mission Plaza and the creek walk to the urban tree program and sign ordinances.

Schwartz also brought his leadership abilities to Cal Poly's College of Architecture and Environmental Design, where he served from 1952 until 1988. During his tenure, he served as an architecture faculty member, associate dean and dean of the college.

"Ken was highly instrumental in helping to shape and incorporate the city and regional planning degrees within the college," said K. Richard Zweifel, associate dean of the college. "He initiated a comprehensive articulation process with all community colleges to ease the transition of students to the college. Always student-centered in his teaching and administrative duties, Ken was a leader in establishing the strong, professionally oriented curricula base that exists today for all five programs in the college."

Schwartz was a recipient of Cal Poly's 1970-1971 Distinguished Teaching Award, and The American Institute of Architects accorded him its prestigious Fellowship status for his work in education and government. ■

▶ HOWARD BROWN



'HOWARD BROWN WILL BE MISSED ON CAMPUS, IN THE COMMUNITY, THROUGHOUT THE STATE AND BEYOND.'

— WARREN J. BAKER

Howard C. Brown (OH '43), dean emeritus of the College of Agriculture and former head of the Ornamental Horticulture Department, died Jan. 13 in San Luis Obispo.

He served Cal Poly for 40 years, from 1943 until 1983, garnering affection and admiration from all who knew him.

"Howard Brown will be missed on campus, in the community, throughout the state and beyond," said Cal Poly President Warren J. Baker. "He was the consummate educator, horticulturist, advisor and friend. He passed on his enthusiasm for the horticulture industry to literally thousands of people, young and old, and that passion will thrive for generations."

Others remember him with equal fondness. "Howard was an amazing man who touched many lives," says Environmental Horticultural Science Professor Emeritus Steve Angley. "If you were to poll a thousand people in the horticulture industry in California, and ask them what one person has had the greatest influence on our industry and profession, you would hear Howard Brown's name again and again," Angley says.

Professor Emeritus Joe Sabol calls Brown "a great teacher and leader for Cal Poly," who "clearly knew the importance of Cal Poly's history and wanted all of us to appreciate the traditions and early challenges that faced the college and university."

Larry Rathbun, former head of the Agricultural Education Department and associate dean of the College of Agriculture, said Brown was "a role model in connecting student learning with contemporary industry practices. His service on many state and national industry and professional committees provided fresh stories and illustrations for our students. Internships and employment opportunities grew from all his contacts. Howard was a teacher without equal."

Alumna **Jacqueline (Jacquie) Williams Courtright (OH '70)** remembers the dean well. "Dr. Brown's intuitive nature, remarkable memory and great communication skills served us all well. He coached us and challenged us. You simply wanted to do your very best for him. He would bring lessons to life with his personal experiences. He instilled in me a love of learning."

More than 250 former students, friends and colleagues paid tribute to Brown last fall at Howard Brown Appreciation Day on campus.

Ever the horticulturist, his obituary in the local newspaper read: "Dr. Brown requests that in lieu of a gift to your favorite charity flowers are acceptable." ■

ENGINEERING DEAN PETER LEE TO RETIRE



(Photo by Dennis Steers)

Peter Lee, dean of the College of Engineering since 1987, will retire at the end of summer quarter, or upon the appointment of a new permanent dean.

The College of Engineering, with 4,850 students, is the largest college on the Cal Poly campus and the largest in the region west of the Rockies. It has been ranked by *U.S. News and World Report* as one of the best public, primarily undergraduate engineering schools in the nation.

"We've overcome many financial challenges in the last 18 years thanks to the support of alumni, friends and industry partners who have contributed approximately \$100 million to three major fund-raising campaigns," Lee said. "And the college has advanced in many other ways."

Enrollment has grown by 20 percent in the past two decades, and applications have increased 80 percent. Nearly 100 new faculty members have been recruited, and college programs have grown from nine to 12, along with the development of new master's degree programs in nearly every major.

During his tenure, Lee has overseen the development of several new engineering facilities, including the Advanced Technology Laboratories, Engineering III and IV, the Bonderson Student Projects Center and Engineering Plaza, all of which are proceeding on track. ■

STUDENT WINS NATIONAL PLANNING AWARD



(Photo courtesy of Josef Kasperovich)

Elizabeth FitzZaland, city and regional planning graduate student, won the 2005 student Distinguished Leadership Award from the American Planning Association, becoming the second College of Architecture and Environmental Design student to win the prestigious national award in the past six years.

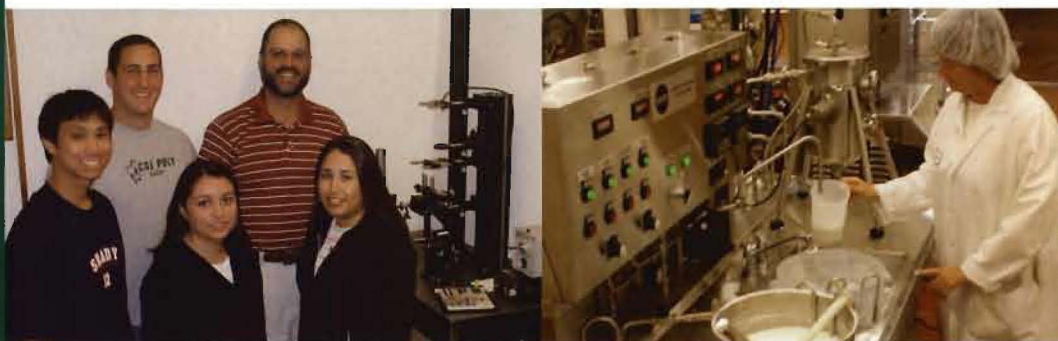
Cal Poly is the only university in the country to have two student winners of this award.

APA awards recognize "the cutting-edge achievements" of the planning profession and those involved in "creating communities of lasting value," according to the association. The APA honored FitzZaland at an awards luncheon at Moscone Center in San Francisco. In addition, her work was featured in the March 2005 issue of *Planning* magazine.

FitzZaland was among 125 entrants in the competition. She is currently an undergraduate instructor in Cal Poly's City and Regional Planning Department. She also works as a facilitator for the San Luis Obispo Council of Governments and as a project leader for a low-income housing team.

"Ms. FitzZaland is a uniquely talented student," said APA Awards Committee co-chair Carol Rhea. "Her academic achievement is remarkable, as is her dedication to improving the urban condition through planning." ■

▶▶ CAL POLY DAIRY RESEARCHERS ARE LEADING THE WHEY



(Bottom, L-R) Salvador Uson, Dee Bachiero, Angelica Benavides
(Top, L-R) Mike Johannsen, Professor Rafael Jimenez-Flores

Carolyn Podgurski, dairy ingredients applications specialist

The California State University Agricultural Research Initiative has awarded two grants to Cal Poly's Dairy Products Technology Center to research new and improved dairy food products, processes and technologies.

One grant, for \$490,000, will support research in "laser tweezers," an instrument that measures certain properties of milk components to advance understanding of their health benefits, according to Professor Rafael Jimenez-Flores, who, along with DPTC Director Phil Tong, is leading the three-year project.

Tong was also awarded \$150,000 for a study to improve the quality and increase the shelf life of dairy foods and beverages.

MILK: HOW IT DOES A BODY GOOD

Laser tweezers are used to measure properties of certain components of milk-fat that are abundant in milk, buttermilk, cream and whey.

These important yet unexplored components contain proteins, lipids and a host of other compounds that are important for human health, in addition to serving as key ingredients in other foods, Tong said.

Using a strongly focused laser beam to trap small particles and objects, the tweezers manipulate individual cells and bits of matter to measure the interactive forces with great precision, Jiménez explained.

The special lipids and proteins found in milk-fat are known to be potent anti-cancer components. The researchers also suspect they contain elements to which beneficial lactic acid bacteria bind.

When these compounds are better understood, it will be possible to better preserve these properties during processing, Tong added. "Such knowledge can be used to formulate more nutritious foods for the increasingly health-oriented consumer. I'm sure many still remember the slogan 'Milk: it does a body good.' With these new scientific tools we can fully substantiate why that is so," he said.

Professor John Sharpe of the Physics Department's Dynamical Systems Imaging Laboratory is building the infrastructure and systems required to set up the equipment and research module for the project.

CREAM OF THE CROP

Tong is leading another research team looking at how dairy-food-processing techniques impact the quality and shelf life of dairy foods and beverages.

One key to producing a wider variety of high-quality dairy foods and beverages with a longer shelf life is to ensure that dairy ingredients remain stable during the food processing stage, Tong said. Some products during high-temperature processing will coagulate, resulting in undesirable flavor, texture and appearance.

Understanding this instability will allow the researchers to identify processing conditions and other ingredient innovations to ensure high product quality.

This grant will also expose students to a leading-edge, real-world project that will likely impact the foods consumers will shop for in the near future, Tong said.

"The project findings should lead to the development of more value-added uses for milk and milk products, as well as more-effective strategies to create products with the convenience and variety demanded by today's consumers," he added. ■