

## announcements

### CSU leadership change

November brought a change of leadership at Colorado State University with the resignation of President Larry Penley and the appointment of Senior Executive Vice President and Provost Tony Frank as interim president. The Colorado State University System Board of Governors expressed overwhelming confidence that CSU is well-positioned to move forward as the premier land-grant university for the 21st century. Colorado State will continue to achieve its vision for the future through its stretch goals and the institutional strategic plan, says Board Chair Douglas L. Jones. The Board will discuss the presidential search in early 2009.

### Trade mission

Gov. Bill Ritter and a 40-member business delegation, including Colorado State University Interim President Tony Frank and other key CSU officials, completed a 10-day economic-development mission to Japan and China that emphasized Colorado's New Energy economy, bioscience, and air travel industries. The mission focused on creating new jobs in Colorado, establishing new business and investment opportunities for Colorado companies, securing a daily non-stop flight from Denver to Tokyo, and strengthening ties between research universities in Colorado and Asia.

## SUCCESSES

### Oscar of invention

A microscope developed by Colorado State and Berkeley researchers has been selected by *R&D Magazine* as one of the Top 100 most significant technological advances for 2008. The microscope uses light beams of wavelength 10 times shorter than visible light – known as extreme ultraviolet light – to “see” objects 1,000 times smaller than a human hair. Led by CSU electrical and computer engineering professor Carmen Menoni, the collaborative innovation incorporates an extreme ultraviolet laser invented at Colorado State, specialized lenses created at Lawrence Berkeley National Laboratory, and mirrors developed at the Lebedev Physical Institute in Moscow.

### Alternative energy

Solix Biofuels, a CSU start-up company focused on alternative energy technology, has raised a preliminary \$10.5 million and secured another \$5.0

million through investors to build an algae biofuel facility near Durango, Colo. The first-of-its-kind project will cost-effectively produce biocrude from algae, resulting in commercially feasible biofuel and feedstock production for the chemicals industry. The plant, located on a 10-acre site on the Southern Ute Indian Reservation in southwest Colorado, will be complete in 12 to 18 months.

### Bowl bid

The CSU Rams football team (6-6, 4-4 Mountain West Conference) secured a bowl berth – the New Mexico Bowl, in Albuquerque – for the first time in three years, led by first-year coach Steve Fairchild. Fairchild became the first coach in CSU history to win six games in his first season and the only first-year coach to lead his team to a bowl game.

## awards & grants

### STEM support

Colorado State is among a national consortium of 12 universities and K-12 school districts awarded \$12.5 million from the National Science Foundation to create a teacher-development program for middle school and high school educators in the STEM disciplines – science, technology, engineering, and mathematics. CSU's Natural Resource Ecology Laboratory is the lead institution for the NSF Mathematics and Science Partnership program grant, which has the potential to reach 1,000 teachers and 500,000 students across the country. The CSU-led collaboration will connect the environmental-sciences research and education of consortium universities with K-12 science and math teachers.

### Global health

Colorado State received a \$100,000 grant from the Bill and Melinda Gates Foundation for global health research to control deadly mosquito-borne diseases. The research project – to be conducted by CSU's Brian Foy, a professor in the Department of Microbiology, Immunology, and Pathology – is one of 104 grants announced by the Gates Foundation's Grant Challenges Explorations, an initiative to help scientists around the world explore bold, new solutions for health challenges in developing countries. The grants were awarded to scientists in 22 countries and five continents.

### Mission medals

Graeme Stephens, a University Distinguished Professor and director of CSU's Cooperative Institute for Research in the Atmosphere, was awarded two

top honors for exceptional scientific leadership of NASA's CloudSat mission. The International Association of Meteorology and Atmospheric Sciences awarded Stephens the International Radiation Commission Gold Medal. Stephens also received the Exceptional Public Service Medal from NASA's Jet Propulsion Laboratory. CloudSat, designed by Stephens in collaboration with NASA and launched in 2006, is the first satellite to use advanced radar to see the vertical structure and properties of clouds.

### Economic excellence

Northern Colorado Economic Development Corp. recently honored Colorado State for contributions to the region's economic development and prosperity. NCEDC honored CSU and its partners – Aims Community College, Front Range Community College, and the University of Northern Colorado – with the Regional Collaboration Award for developing and training the region's workforce for the global economy. NCEDC also honored Professor Bryan Willson, director of both CSU's Engines and Energy Conversion Laboratory and the Clean Energy Supercluster, with its Global Impact Award.

## programs & projects

### Design legacy

The October death in Los Angeles of Richard Blackwell (popularly known as Mr. Blackwell, creator of the fashion world's annual “Worst Dressed List”) was felt at Colorado State, where the world's largest collection of Blackwell's designs is part of the holdings of the University's Avenir Museum of Design and Merchandising. The museum contains original gowns, master patterns, and personal scrapbooks that chronicle Blackwell's career – as well as one of two original copies of Blackwell's 1960 “Worst Dressed List” (the other original is located in the Smithsonian Institution). Blackwell visited CSU several times to support the University's costume collection and share his views on design. The Blackwell collection can be viewed at the museum, scheduled to open in April 2009, in the new University Center for the Arts.



## The Green University



## *clean cooking* Clean cooking

Envirofit International has ramped up production of clean-burning cookstoves to meet an increased demand in India. A 2003 CSU start-up company, Envirofit employs clean-energy technology to reduce pollution in the developing world. The company's cookstoves replace traditional cooking fires that contribute to life-threatening indoor air pollution, reducing toxic emissions by up to 80 percent, fuel by 50 percent, and cooking-cycle time by 40 percent. Built and engineered to address the unique cooking habits of Indian families, the stoves were designed after years of research by the Colorado State University Engines and Energy Conversion Laboratory.

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