Two Poly students missing

By Karin Driesen and Kirsten Orsini-Meinhard

MUSTANG DAILY NEWS EDITOR AND MANAGING EDITOR

Two Cal Poly students who went out of town Saturday have been reported missing.

Anthomne Travers, a mechanical engineering senior, and Israel Green, an industrial engineering senior, were planning to go on a camping trip over the weekend, but did not return as expected, friends said.

Behind Quesada, a business senior and Travers' roommate, said the latter saw Travers around 3 p.m. Saturday as she was leaving with Green. There had been mention that they would be camping in the Big Sur area, said Cory Orbach of the San Luis Obispo Police Department. Big Sur is located approximately two hours north of San Luis Obispo, between San Simeon and Carmel.

Travers, 21, and Green, 22, were planning on camping for only one night and returning on Sunday, Orbach said. Quesada said the two men have been meeting high school friends of Greens, but Orbach wasn't able to confirm if this was true.

Quesada said it is unusual for Travers to disappear without calling.

"I would expect her to call," Quesada said. "We talked about keeping in touch. The three of us talked about it and arranged that if she was out for more than the weekend, we would lot each other know."

Orbach didn't know if the students were experienced hikers and said they had probably only packed enough supplies for one night of camping.

Byron Samyos, an ecologist and

see MISSING, page 6

Two arrested for stealing backpacks

By Adam Jarman

MUSTANG DAILY NEWS EDITOR IN CHIEF

Two San Luis Obispo men have been arrested for allegedly stealing backpacks from the Lighthouse Dining Hall.

Nicolás D'Ambra, 19, and David Campbell, 18, were arrested by University Police Wednesday and charged with burglary and conspiracy to commit a crime, according to a University Police press release. Neither are Cal Poly students.

Both men were booked into the county jail on $10,000 bail. According to a jail official, both posted bail and await a court appearance.

Sgt. Stephen Neuhaus of University Police said that two backpacks were stolen Friday, Feb. 19, around noon from unshielded locks in the Lighthouse Dining Hall, the entrance area in front of the student center and near the University Union.

All of these situations took place in the majority of all backpack thefts on campus, the packs were taken from unshielded locks or unattended shelves, he said.

Sgt. Neuhaus said that it is common for burglars and thieves to repack items.

"If the people aren't caught, there is a good likelihood they will return," he said.

Norwalk Foundation Low Prevention Coordinator, who wishes to withhold his full name for privacy and security, said those incidences triggered his response.

"I asked the Low Prevention staff to keep a closer eye on the Lighthouse Dining Hall for anyone who could be stealing a backpack," he said.

Something from that closer look caught the attention of the Low Prevention staff Wednesday.

"We noticed the dean talking to me that there was a suspicious

see BACKPACKS, page 6

Chocolate in the classroom

By Matt Smart

MUSTANG DAILY STAFF WRITER

"This is a product made by students," he said. "It's a concoction, and there is a lot of variety. I think it is a little better than a key chain because it truly represents the school."

The varieties of chocolate include Swiss chocolate morsels, chocolate dipped Graham crackers, chocolate dipped pretzels, chocolate dipped gingers and chocolate fudge crunch.

The chocolates have proven to be popular at Campus Market. The chocolates are sold in two forms. During the holidays they are sold in small boxes. On a daily basis they are available next to the coffee counter inside. Campus Market in clear plastic packaging.

"In this product made by students," he said. "It's a concoction, and there is a lot of variety. I think it is a little better than a key chain because it truly represents the school."

The varieties of chocolate include Swiss chocolate morsels, chocolate dipped Graham crackers, chocolate dipped pretzels, chocolate dipped gingers and chocolate fudge crunch.

The chocolates have proven to be popular at Campus Market. The chocolates are sold in two forms. During the holidays they are sold in small boxes. On a daily basis they are available next to the coffee counter inside Campus Market in clear plastic packaging.

Neuhaus said that he has sold 5000 chocolates in the past nine months. This chocolate business is run with the help of Cal Poly Foundation.

Neuhaus came to Cal Poly from New York in part because of Cal Poly's "learn-by-doing" motto. "I believe firmly in learn by doing."

see CHOCOLATE, page 2

Friday, February 16, 2001

Mustang Daily

Volume LXV, Number 87, 1976-2001

T i c k l e f o r m a S h i n e d o w n

On Chinese massacre

By Sarah Doub

MUSTANG DAILY STAFF WRITER

Myths are powerful in shaping a national identity. The myth of George Washington chopping down the cherry tree, for example, has given Americans pride that the first American leader supposedly never told a lie.

Joshua Fogel, a University of California, Santa Barbara history of Sino-Japanese relations professor, gave a free public lecture on Thursday concerning the myths about the Nanjing Massacre.

The lecture, titled "The Nanjing Massacre and Chinese Identity," was at 11 a.m. in Philips Hall of the Performing Arts Center. The lecture was attended by students and members of the community.

The massacre, also known as the Rapes of Nanjing, was a six-week period in the winter of 1937-38 when more than 200,000 Chinese civilians and prisoners of war were killed in and around the city of Nanjing in China.

"The Nanjing Massacre is maybe the key event in Japanese-Chinese relations in the 20th century," said Andrew Moroto, a history professor who teaches courses on China at Cal Poly. "It's very exciting having him speak here."

Some of the reasons that the Nanjing Massacre is so important is that so many people were killed and that this already large number has been exaggerated even more.

"The Nanjing Massacre is generally considered the most notorious Japanese war atrocity of World War II," Fogel said. "We don't know the exact number killed, but the numbers were fictitious as high as some report it to be."

Anyone who tried to investigate the massacre at the time in China
**CHOCOLATE**

continued from page 1

doing," he said.

El Corral Bookstore and Cal Poly Downtown do not sell Neuhaus chocolate. Dan Carpenter, the general merchandise manager for El Corral Bookstore, said there are two reasons why El Corral and Cal Poly don't believe our customers will pay more here," he said. "We are limited in space."

"First of all, space is an issue in here," he said. "We are limited in space. The reason when I figured out what it was ended for it, I thought it would cost too much. I don't believe our customers will pay the retail he (Neuhaus) was suggesting. If a consumer were to just carry food for the convenience of students. Food is an impulse buy." Other stores that sell the chocolate are Socolan's, Vons and Albertson's. The chocolates retail at Campus Market for 89 cents.

Project Engineer

Responsibilities: 
- Duties include working with customers to solve their control valve problems in severe oil, gas and power application. 
- Knowledge/skill requirements:
  - Use professional judgment to solve problems.
  - Reading knowledge of piping and valve problems.
  - Be able to provide solutions for problems.

Factory Sales Engineer

Responsibilities: 
- Generate product leads, formulate unique technical solutions using the company's skills and technology base for customer application requirements and create customized product proposals. 
- Knowledge/skill requirements:
  - Experience in sales field, more than 5 years experience.
  - Be able to provide solutions for problems.
  - Read and interpret piping and valve problems.

Manufacturing Engineer

Responsibilities: 
- Management of projects. 
- Knowledge/skill requirements:
  - Experience in manufacturing field, more than 5 years experience.
  - Be able to provide solutions for problems.
  - Read and interpret piping and valve problems.
Tidepooling is an activity only for the adventurous

By Sarah Doub
MUSTANG DAILY STAFF WRITER

A tentacle-covered green sponge envelops a small fish as it swims over the tips of its feelers. It sits next to a spiny purple urchin, which is neighbor to an orange starfish the size of a small plate.

Tidepools are an amazing way to experience ocean life, and solve some of the mysteries of the life therein.

Right now, tidepooling is a great way to enjoy the beach without going in the cold water. The best thing about tidepooling, though, is the sea creatures.

Tidepools house hermit crabs, anemones, dolphins and otters off the shore, whales in the distance, mussels, small fish, barnacles, elephant seals farther up the beach, cravasses (it the pools they yet dot's, according to an entry in a library thinkquest.org.), and octopuses! Octopuses are intelligent creatures. It has been estimated that octopuses are as smart or even smarter than dogs, according to an entry in www.library.thinkquest.org.

Octopuses generally hide in the crevasses of the pools they get trapped in. They can change color to fit their surroundings, so it’s hard to find them.

When I went tidepooling last week, I brought binoculars to see the whole scene. The binoculars came in handy when searching for octopuses. I saw one but was unable to catch it because it was in a deep pool further out in the ocean.

This octopus, and most of the other sea creatures, are only 10 minutes away. Just drive to Shell Beach, park in the Sea Cliff hotel’s parking lot and walk down the stairs on the right side of the hotel.

Walk to the end of the beach, past all of the surface, and there are the tidepools. Make sure to look in the Mustang Daily for the tide schedule. Start the visit to the tidepools at least one hour before low tide, and don’t forget a watch. It’s a good idea to keep an eye on the tide.

Equally good tidepooling is at the end of the beach in Cayucos or in Corallina Cove, which is past Spooner’s Cove on the Bluff Trail at the Montaña de Oro State Park.

San Simeon also offers interesting tidepools. Not only is it a beautiful drive up there, past Hearst Castle and miles of ocean, but the trip goes through the quaint little town of Cambria. There is a cave to look into at low tide and often elephant seals lay on the beach.

For first-time tidepoolers, there are some important things to remember.

According to a tidepool page at the Web site www.web.mit.edu, it is recommended to not pry animals off of rocks. This will injure or kill them. Watch where you step because tidepool organisms are fragile and they live everywhere. Even barnacles are damaged by being walked on.

Some animals use seaweed or rocks as protection from predators or the hot sun. If anything in the tidepools is moved, it should be replaced as found.

Rocks and algae can be very slippery, so walk carefully and wear shoes or boots with good traction.

Always look for first-timers so that they can be put to the hermit crab test. It’s human nature to be unable to handle a big hermit crab walking on the palm of the hand, even though it won’t cause harm.

The tidepools are close, interesting and offer something different. For those needing some sunshine and a cure for the winter blues, a trip to the oceanic land of tidepools could be just the trick.
Today's issue: When your best isn't good enough

Keep curves in classes / Curves hurt real effort

There is a particular concept dealing with the grading system that many of us do not too well understand when using a curve. As most of us understand, when using a curve, grades depend on the highest score on a test instead of the total possible points. For example, if you got a 73 on a test out of 100, and the highest grade on the test was an 85, your score would be 73 divided by 85, not 100. You'd get a B instead of a low C. What a great system.

The system begins with 100 percent, which is an A, drops to 90 percent, which is also an A, and then drops in 10 percent increments. An 80 percent is a B, a 70 percent is a C, and so forth. Following standard grading, this system means a student who, after testing and assignments, receives a C, retained 70 percent of the information taught in the class. A curved C means that, compared to all of the students in class, the student was able to retain 50 percent of what the smartest student knew. This isn't right.

If students really thought about it, the curve system is kind of insulting. The curved A student is the standard against whom everyone else in the class is measured. An even worse curve system is one that is not associated with the performance of the class, such as a curve set before the class begins. This was the case in my chemistry course. The teacher stated the curve on the first day and explained that it was based on previous student performance. The interesting point is that the teacher knows his students haven't been receiving an average of 75 percent — or close to it — and he still hadn't changed his teaching method or curriculum. If the class was too hard or too much information for students, why was it still being taught this way?

Curve say a lot about teachers who use them. It reflects on their teaching skills and on their effectiveness as teachers to get their points across. A grade on a curved class means the majority of students are not passing tests or assignments. The students are not learning enough and shouldn't be helped by changing the grading standards. Instead, they should be helped by changing the teacher.

The curve actually helps the teacher more than the students. Teachers don't want to look bad and fail a whole class, because it does reflect on their competence as a teacher. An alternative would be curving the class. Once the class is curved, the teacher gets the grading range they need to keep their jobs.

Curves are few if students simply want to pass their classes and get out of school, but when grades are used to make later decisions, society suffers. A job or acceptance to a graduate school even remotely based on grades may be unfair to applicants who were not graded on a curve. When making a decision, people reviewing transcripts assume that if a graduate has a B average, he or she knows 80 percent of the curriculum taught at his or her school. Interviewers don't know that a B average might mean that the student only learned 80 percent of the information that the smartest student knew. This isn't right.

There could be nothing worse than having a curved grading class and a standard graded physics course. Curves are unfair unless they are given to all students in all classes.

Janelle Foskett is a journalism senior and Mustang Daily staff writer.

Byron Samayoa is an ecology and systematic biology senior and Mustang Daily staff writer.
by celebrate engineering? How do you feel about living without electricity? Do you like clean water and a heated home? Where would you be without a digital alarm clock to get you to class on time and a car to drive you there on roads that are safe and lasting?

"The 'modern' part of our modern world comes almost exclusively from engineering," says Ellie Holguin, National Engineers Week (N.E.W.) co-commissioner. "National Engineers Week gives us a chance to recognize the enormous contribution made by engineers to our quality of life. We also want to increase the public's awareness of engineering, so that all children — boys and girls — are encouraged to consider careers in engineering, technology, math and science," adds the other N.E.W. commissioner, Deanna Tiburcio.

Founded in 1951, National Engineers Week is celebrated annually nationwide. This year, N.E.W.'s 50th anniversary coincide with Cal Poly's 100th. To mark these occasions the Engineering Student Council (ESC) and the College of Engineering (CENG) have planned a special week of activities. "Cal Poly Engineering is 100 years old and that's reason to cheer!" exclaims Kelly Coakley, ESC chair. "This year, National Engineers Week is bigger and better than ever."

Please see Celebrates continued on page 8

A Successful Formula for Almost 100 Years

From the day its doors opened in 1901, Cal Poly's engineering program has prepared students for success in the professional world. Engineering classes were among the first courses, and the goal of those classes was to graduate students ready for the workplace. The story of Herbert Cox provides a case in point: One of the first six engineering students, Cox earned a degree in Electrical Mechanics in 1906, which enabled him to work for several private electric utilities in positions ranging from station operator to storekeeper, engineer, and meter reader. In 1913, Cox transferred to Pacific Gas & Electric Company's Eagle Rock Substation, which was the terminus of the highest voltage, long-distance transmission lines in the world at the time, with 150 kilovolts traveling 241 miles from Boulder, Colorado. In 1922 the Bureau of Power and Light acquired its distributing system within Los Angeles' city limits. Men with Cox's skills were essential to manage rampant growth, and he joined the Bureau as the chief operator of all receiving and distribution stations. He was promoted to senior electrical engineer in 1944, and added supervision of electrical station maintenance and load dispatching to his responsibilities. A final promotion to assistant head of the operating division came shortly before his retirement in 1952. Cox, like all Cal Poly students during its early years, acquired fundamental engineer- ing skills and work experience by building and maintaining school facilities and equipment.

Please see 100 Years continued on page 8

National Engineers Week February 18-24, 2001

Monday, February 19, 2001
Poly's "F" Becomes an "E"
Tenaya Hall Shows Its Colors
The engineering dorm decorates for N.E.W.

Free at McPhees
McPhees' UU Bowling Alley
Open to all engineering students
6pm-10pm

Tuesday, February 20, 2001
Opening Ceremony
Chumash Auditorium
Open to all engineering students and faculty/staff
11am-12pm

NSBE & SHPE present
Engineering Olympics
Chumash Auditorium
Open to all engineering students and faculty/staff
12:30pm-2pm

Be An Engineer!
SWE Outreach Program
C.L. Smith Elementary School
4pm-5:30pm
National Engineers Week T-Shirt Sale
UU Plaza
10am-3pm
MEP Awards Banquet & Corporate Social
Performing Arts Center
6pm-9pm

Wednesday, February 21, 2001
National Engineers Week T-Shirt Sale
UU Plaza
10am-3pm
Sodas and Popcorn
Lawn Opposite the Library
11am-3pm
National Engineers Week Button Spotti ng
Campus Locations

Be An Engineer!
SWE Outreach Program
Bishop's Peak Elementary School
4pm-5:30pm
Engineering Living Learning Program
Honor Society Induction Banquet
Tenaya Hall Study Lounge
6pm-8pm

Thursday, February 22, 2001
MEP Visiting High School Program
Campus Locations
9am-3pm
Career Symposium
Rec Center
10am-3pm
National Engineers Week T-Shirt Sale
UU Plaza
10am-3pm
Be An Engineer!
SWE Outreach Program
Teach Elementary School
4pm-5:30pm

Evening With Industry
Embassy Suites
6pm-10pm

Friday, February 23, 2001
Sports Car Show
Dexter Lawn
11am-1pm
Engineering Faculty and Staff Appreciation Reception
Vista Grande
11am-1pm
National Engineers Week T-Shirt Sale
UU Plaza
10am-3pm

Be An Engineer!
SWE Outreach Program
Hawthorne Elementary School
4pm-5:30pm

Saturday, February 24, 2001
Electric Vehicle Club Rally
Inner Perimeter Road
Cal Poly Campus
10am-4 pm

American Best Colleges

As for individual degree programs, our Computer Science Department ranks as the best in the nation. The No. 2 spot goes to the Industrial and Manufacturing Engineering Department. Electrical Engineering tied for No. 4, and both Civil and Environmental Engineering and Mechanical Engineering tied for No. 5. Overall, Cal Poly was rated the best public, largely undergraduate university in the West for the eighth consecutive year.

According to U.S. News & World Report, Cal Poly's engineering departments are among the very best in the nation. In its "America's Best Colleges 2001" issue (September 2000) the magazine puts Cal Poly's combined engineering and computer science programs at No. 4 nationwide among public, undergraduate engineering schools — we're 9th among both public and private institutions.

The story of Herbert Cox would have worked with during his student days at Cal Poly. (Photo: University Archives, California Polytechnic State University)
You won't learn much by watching an engineer at work, anymore than you'll figure out what writers are up to by watching them from afar. To learn the secret you have to get inside their heads. The real magic is happening there. Do you spend your days and nights engineering your polytechnic advantage? Do you believe that you can turn ideas into reality? Then this shirt is for you!

Pick up a Cal Poly National Engineers Week tee shirt at the UU Plaza from 10am-3pm. On sale only during National Engineers Week (Feb. 20-23). ONLY $10.00

Show your spirit! Celebrate Engineering! Win a prize!

Get caught wearing a National Engineers Week Button on Wednesday, Feb. 21 and you may win candy, treats, or an El Corral gift certificate.

Buttons available at all National Engineers Week events and the UU Plaza (Feb. 20-23 from 10am-3pm).

The N.E.W. Spirit Committee will be looking for you.
Scores of students will be honored for leadership and academic achievement at banquets during National Engineers Week — and they'll receive tens of thousands of dollars in scholarships.

The MESA (Math, Engineering, Science Achievement) Engineering Program (MEP) holds its annual Corporate Social and Academic Recognition Banquet on Tuesday, February 20 at Cal Poly's Performing Arts Center. Twenty or more students honored at the event will receive corporate-sponsored scholarships totaling in excess of $30,000.

"It's a privilege to share in the success of these students," notes MEP Director David Cantu. "These individuals come from under-served populations, including low-income families that have never before sent a child to college. We're very proud that Cal Poly ranks fourth in the U.S. in the number of engineering bachelor's degrees awarded to Hispanics. But nationwide, only 14.6 percent of engineering undergraduates are African American, Hispanic American, or American Indian — the Recognition Banquet is an important part of our efforts to encourage and support these populations."

On Thursday, February 22, the Society of Women Engineers (SWE) anticipates attendance by more than 400 students, faculty, and industry representatives at its annual Evening With Industry (EWI) held at Embassy Suites. The gala event will feature the naming of up to five Outstanding Women in Engineering & Technology, and the awarding of $9,000-$12,000 in scholarships.

"Our banquet date coincides with the day that National Engineers Week has designated as the first annual 'Introduce a Girl to Engineering Day,'" explains EWI Director Jennifer Dennis, "so the SWE event seems especially relevant this year. Plus, the Centennial — one hundred years of Cal Poly engineering — gives us even more to celebrate and contemplate!

"The first woman received an engineering degree from Cal Poly in 1965. Looking around the room at EWI next Thursday, however, I'll see literally hundreds of Cal Poly women engineers who I know will make enormous contributions to industry and society."

There are different technologies, and then there are difference technologies. Technologies that make a difference in how, or if, someone lives.

The people of Guidant help save and enhance the lives of hundreds of thousands of patients around the world every day by developing, manufacturing and marketing a broad array of cardiovascular-related medical solutions.

Guidant's innovation is steered by the entrepreneurial spirit that so many companies seek but so few actually find. A career at Guidant is a chance to affect the future of others and oneself. It's a career with heart, and it can make a world of difference.

Selected by Fortune Magazine as a Best 100 company to work for the past two years.

SAVING AND IMPROVING LIVES THROUGH INNOVATION

www.guidant.com
On the Winning Track: Engineering Clubs Rack Up Victories

AER0 Teams Win in AIAA Design Contest
Aerospace Engineering (AERO) student teams have won first, second, third, and/or honorable mention in the American Institute of Aeronautics and Astronautics (AIAA) Undergraduate Team Aircraft Design Competition for the last nine years.

Eris Aerospace, a team of ten AERO seniors, took top honors in the 1998-99 competition for designing the Whirlwind, an innovative autogyro aircraft that utilizes a spinning rotor to provide a large amount of lift for super short takeoff and landing (SSTOL).

The Poseidon Design Group, a team of eight AERO students, also took 1st place in the 1999-2000 competition for their design, the Cyclops, an unmanned cruise missile carrier. Cyclops incorporates low cost, low risk technology into an aircraft optimized to carry and deploy air launched cruise missiles.

Team advisor David Hall reports that these successes have resulted in on-going grants, work with aerospace companies, and "some very nice offers for our students from industry in advanced design at Teledyne Ryan, Northrop Grumman and Boeing Long Beach."

New Autonomous Vehicle Club Takes Award in First Competition
Cal Poly's new Autonomous Vehicle Club is off to a great start, placing 5th in the Association for Unmanned Vehicle Systems International (AUVSI) international competition, held in Orlando, Florida last July. The goal of the competition is to advance the state-of-the-art of Autonomous Underwater Vehicles (AUVs) by challenging a new generation of engineers to perform realistic missions in an underwater environment.

The contest calls for a self-propelled AUV to leave its submerged starting position, locate an active beacon and then pick up and return with a recovery marker before time runs out. The AUV must perform this task autonomously, with no control, guidance, or communication from a person, or from any off-board computer.

Along with the 5th place honorable mention came a cash prize of $500. Other schools competing included MIT, Cornell, U.S. Naval Academy, University of Florida, University of Colorado-Denver, Ecole de Technologie Superieure, Stevens Institute of Technology, and others.

If you think your ideas are better than ours, this is the place to prove it.
The College of Engineering (CENG) offers an abundance of student clubs — over 40 in all. Many of these groups have racked up national reputations and winning records. Here is a sampling of some recent club victories in regional and national competitions:

## Electric Vehicle Engineering Club

**Places 2nd In Competition**

After spending two years bringing their electrically-powered Mazda RX-7 to realization, Cal Poly’s Electric Vehicle Engineering Club (EVEC) first competed in the Annual Arizona Public Service (APS) Electrics, held in Phoenix at Firebird International Speedway in March, 1998. After landing a 5th place, club members vowed to learn from the experience. They competed the following year and, after going head-to-head with Cal State Long Beach for most of the race, EVEC captured 2nd place, the club’s highest nationally recognized ranking to date. Cal Poly’s EV Racing Team competed in the stock conversion class against other college teams, private conversions and corporation race cars, including APS’s own entry.

EVEC Vice President Anastasios Hionis concludes, “While the RX-7 has served us well for our last 4 years, we are currently looking for a new chassis, preferably a ’94 or newer Chevy Camaro, to fully realize the performance capabilities of the new systems under development. As we have in the past, EVEC will continue refining our designs so that we can live up to our name and school’s tradition of excellence, as Cal Poly’s EV Racing Team.”

[Note: EVEC is sponsoring an on-campus rally on Saturday, February 24 from 10:00 to 3:00 that will include a timed road course, barbecue, and a distance rally. The club anticipates participation of up to 20 electric cars and hybrids, including entries from local dealerships and enthusiasts.]

![EVEC's Mazda RX-7 at the Arizona Public Service Electrics race in Phoenix, AZ.](image)

## Cal Poly Space Systems Club

**Catches NASA’s Attention**

Last year, Cal Poly Space Systems Club (CPSS) built a series of rockets to explore the concept of remotely controlled, fixed-wing, flyable booster rockets. The design, known as the StarBooster, has a conventional vertical launch. The unique aspect of the design becomes evident during its descent after apogee, when an R/C control system is used to fly it as a glider to a controlled landing.

Unlike conventional booster rockets that burn up as they fall back into the atmosphere, the StarBooster lifts expendable upper stages and payloads to a staging point, then drops off and flies back to a runway using jet power. The goal is to cut current launch costs in half, with shorter turn around times.

“The StarBooster project is valuable on many levels,” says club advisor Dianne DeTurnis, assistant professor in Aerospace Engineering (AERO). “The students are involved in current NASA research and development, there is plenty of technical challenge, and it’s classic Cal Poly hands-on experience. In addition, the task is fundamentally multidisciplinary, and the team and systems engineering approach being used is exactly what they’ll encounter later in industry.”

NASA, who originally gave $4,000 to the project, continues to be interested in CPSS. In late August they approved $25,000 to fund the coming year’s activities, a fivefold increase from previous funding.

![Members of the CPSS with the Starbuster, prior to launch outside Fresno on May 18, 2000.](image)
Cal Poly Students Finish in Top 10 in International Formula-Style Auto Design Contest

SAE's Life Saving Design Wins National Award

Fighting wild brush fires can take a deadly toll on the lives of firefighters. Unpredictable winds and other factors can turn the fire on the firefighters themselves, an event known as a burnover.

Cal Poly's Society of Women Engineers (SWE) team leader Jo Ann Alano and eight team members developed an innovative design for a quickly deployable shield that protects the vehicle from rapidly escalating temperatures and allows firefighters to enter after deployment. Known as S.H.I.E.L.D. (Supplemental Heat Inhibitive Emergency Life Device), the spring-loaded design deploys within 10 seconds and can provide a survivable environment inside the vehicle for 10-15 minutes.

The team's design earned them a first place in the national "Team Tech" competition sponsored by the Boeing Company. The competition was established in 1992 to emphasize the key role of teamwork and to interface with industry in the engineering education process.

Alano says, "Leading Team Tech is one of the most rewarding experiences that I have ever encountered throughout my academic career. I know that this experience is a stepping stone to the world outside of Cal Poly." Team member Mary Phillips says, "For me, the most challenging part was being able to use the information I've learned in various engineering classes to solve a real world concern."
Cal Poly Engineering Students Win National Human-Powered Vehicle Contest

Mechanical Engineering's human-powered vehicle took first place in two categories and second in another to place third overall in a national competition sponsored by the American Society of Mechanical Engineers. Cal Poly's vehicle, Apocalypse, was designed as a two-wheeler with a permanent seat.

By the club's own admission, the human-powered vehicle is not practical. The club's main objective, however, is to build a vehicle that goes as fast as humanly possible. Cal Poly's speed record is 34 mph, set in 1993.

The student team took firsts in the women's sprint and the road race and finished second in the men's sprint. The contest also included a written report and an oral presentation on design.

Teams from more than 30 American universities and colleges, including the University of Florida, Colorado State University, University of Utah, and San Diego State entered the 18th annual Human-Powered Vehicle Competition held in Chico, California.

The club has strong interdisciplinary appeal. Team members included Ryan Vaughan (ME), Jason Luke (ME), Ben Elston (ME), Maggie Francisco (ME), Kris Lathrop (IE), John Popcock (AERO), Ryan Fowler (AERO), Alex Juhan (Soil Science), and Jody Pennycook (Ecology and Systematic Biology). The team's faculty advisor is ME Professor Fred Friedman; technical advisors are George and Carole Leon of Atascadero.

Society of Civil Engineers Named Most Outstanding in U.S.

Cal Poly's Society of Civil Engineers (SCE) had an extraordinary year. First, they were named the nation's preeminent American Society of Civil Engineers (ASCE) student chapter. In recognition of this achievement, they were awarded the 2000 Robert Ridgway Award, the national society's top student award intended to suit the more than 360 student chapters nationwide.

Simultaneously, the group completed construction and elevated winner's circuits for a bridge competition. The bridge, designed and constructed by students and sponsored by the American Institute of Steel Construction, received a second-place award in the national competition. The bridge was designed to accommodate pedestrians and cyclists and included a pedestrian walkway.

Poly's Society of Civil Engineers (SCE) had an extraordinary year. First, they were named the nation's preeminent American Society of Civil Engineers (ASCE) student chapter. In recognition of this achievement, they were awarded the 2000 Robert Ridgway Award, the national society's top student award intended to suit the more than 360 student chapters nationwide.

More than 60 Cal Poly students, all members of the Society of Civil Engineers, participated. The competition involved student teams from 16 other universities from Southern California, Arizona, Nevada, and Hawaii.

Chapter President Mat Moore said, "We've been a contender for the Ridgway Award throughout the '90s, including a win in 1994. Without the support of our faculty advisor, Gregg Fiegel, two years of work by dedicated officers and the continual involvement of our club members, we could not have achieved the level of excellence required to win this prestigious nationwide distinction."

Raytheon

Where it matters most.

Raytheon brings technology to the edge. As one of the world's leading diversified technology companies, we're breaking new ground in everything from defense and commercial electronics, and business aviation and special mission aircraft. As a Raytheon employee, you contribute to the development of exciting, revolutionary technology designed to make life better, easier, and safer throughout the world. Such as our STARS air traffic control system and our award-winning technology. But it all starts with you. Your creativity. Your knowledge and innovation. And enthusiasm about the future.

In return, we offer exceptional training and professional development opportunities. A supportive, down-to-earth work environment. And incredible benefits including flexible schedules designed to respect your quality of life. So you can still show off all those great qualities of yours outside of work, too.

We'll be visiting California Polytechnic State University on the following dates:

- Career Fair and Reception, February 22, 2001
- Information Session, February 26, 2001
- Campus Interviews, February 27, 2001

If you are unable to attend, please send your resume to resume@rayjobs.com (ASCII text only, no attachments), or mail to Raytheon Company, Attn: National Staffing Data Center, P.O. Box 660245, MS-201, Dallas, TX 75266. U.S. Citizenship may be required. We are an equal opportunity employer.

Opportunities are available for exceptional students with the following majors:

- Computer Science
- Computer Engineering
- Electrical Engineering
- Mechanical Engineering
- Math
- Physics
- Chemical Engineering
- Aeronautical Engineering
- Finance/Accounting
- Human Resources
- Industrial and Labor Relations
- Marketing/Communications

Check out our Website at www.rayjobs.com/campus for further information including a calendar of recruiting events. At Raytheon, we strive to be the employer of choice for a diverse workforce by attracting, retaining, and recognizing the most talented, reservoir and creative people.
College of Engineering
CAL POLY

celebrates continued from page 1

"We've included events for everyone," explains Holguin, "from Poly's "P" becoming an "E" to a free night at McPhees, car displays, engineering competitions, and an I-star Opening Ceremony officiated by Ean Lee, President Baker, and many umm and industry partners."

"We'll also be doing outreach," says Burcio. "Next Thursday, the MESA Engineering Program will host over 100 high school students on campus in order to show them how an engineering major leads to a career. Also, throughout the week, engineering club members are visiting elementary schools to help children build microphones. Kids really get a kick out of this activity and it just might spark their interest in becoming engineers."

Other N.E.W. events include the Career Symposium sponsored by Career Services, and three achievement recognition banquets hosted by the MESA Engineering Program, the Society of Women Engineers, and the Engineering Learning Program at Tenaya Hall.

Deloitte Consulting
Winter Recruiting dates to remember:
TODAY: Deloitte Consulting Information Session: Open-
On-Campus Interviews (See Career Center for Details)
2/13/01: Resume Submission Deadline for
2/22/04: Career Symposium
3/08/01-3/09/01: On-Campus Interviews

Leadership like ours depends on people who dream this big.

www.dc.com/careers

100 Years continued from page 1

ment, including the power plant, carpentry and machine shops, forge and electrical labs. As late as 1948, for example, electronics majors repaired over 250 university radios.

Now, 100 years later, College of Engineering (CENG) students are writing software, designing computer hardware, engineering robots, building micro-satellites and pursing a range of interests with tools that would have been science fiction in Cox's day. In fact, many student design and research projects are so sophisticated that industry and government underwrite the costs.

Small sampling of notable, wide-ranging projects undertaken by CENG students today include the following: formal testing of material removal processes in the cutting industry; overcoming problems in aeronautical structures with a wind tunnel project funded by a $100,000 U.S. Air Force grant; developing an ultra low-noise optoelectronic train generator; and processing DNA microarrays used to monitor gene expressions as part of the human genome project.

Although Cox wouldn't recognize the technology students take for granted today, he would be familiar with the philosophy of providing a practical education that allows Cal Poly's engineering graduates to become industry leaders and innovators. It worked for Cox and for tens of thousands of engineering graduates who have followed him.

Today's students study subjects that hadn't been imagined in Herbert Cox's student days. Here, students test the Meissner Effect of superconductors.
Opinion

Major stereotypes grossly generalize individuals

We stereotype like we breathe—unconsciously. We have set images that we have embedded into our minds since we were children. We unwittingly develop stereotypes when we are unable or unwilling to obtain all the information we would need to make a fair judgment or evaluation. In the absence of the total picture, stereotypes allow us to fill in the blanks. Our society often innocently creates and perpetuates stereotypes, but these stereotypes often lead to unfair and inaccurate generalizations.

There are many different stereotypes about students in certain majors. Stereotypical things I have heard before are that business majors are slackers, ecology and biology majors are tree huggers, art majors are eccentric, and conscientious and journalism students are loud and nosy.

Now, while some students in certain majors may possess some stereotypical traits, it would be absurd to assume that all students in the computer science department are nerds just because a stereotype labels them as such. It only makes sense that people can possess some of the same qualities, but people are too complex to be thrown together in one general category for the sake of convenience.

Like one knows that people in majors where they don’t fit the stereotype are labeled with. That’s not to say that you have to be some trait that is associated with the clichés, but for the most part, they don’t fit the generalization.

My boyfriend is a great example of an incorrect stereotype. He is a biology major and associate biology, but he is definitely not a tree hugger. He doesn’t even care about the environment, but out of the two of us, I am much more concerned about things like recycling and conserving water than he is.

Also, my next-door neighbor is a business major, and he is definitely not a slacker. He does a ton of volunteer work and also plays on the rugby team. He doesn’t sound like he’s very likely to not just because business students don’t have classes on Fridays doesn’t mean that they aren’t hard-working slackers. They’re all just lucky.

I am a journalism major and must say that I possess some of the stereotypical traits about journalism majors. I am loud and will talk. I know that if someone else in my major is just wrong, then we will just go over the material. Journalism department is alike. There are a lot of journalism majors who are quiet and will sit in the back and not say anything. It’s easy to put a label on people when we don’t understand who they are or where they are coming from. But, the fact of the matter is that stereotypes can really hurt people.

So it’s up to us to change the world. But, in order to do that, we must first become aware of this tendency that we all have to stereotype. For most of us, stereotypes are a huge part of our world and are constantly being reinforced by different media outlets. If we are going to make a conscious effort to recognize when we are treating people differently because of a stereotype.

Each one of us deserves to be considered as a unique human being.

Candice Conti is a journalism senior and Mustang Daily staff writer.

Letters to the editor

Keep memory of victims alive

Editor,

How could anyone on this campus possibly forget the reality of this tragedy? After reading the 11 p.m. news on Feb. 14, "about the Rex Allan Krebs' trial, I was disgusted that all the red hand prints on this campus no longer was disgusted that all the red hand prints on this campus no longer were able to be heard, even at the incountries. This year was no different. In fall 2000 remedial education statistics, which the CSU released last month, were withholding newspapers and other media across the state.

From the chancellor

Educators, policy makers, and the general public pay close attention to these numbers because they offer valuable information about our students' progress and about the quality of the state's educational system as a whole. One of the most closely watched figures is the percentage of entering CSU freshmen who are proficient in math, reading, and English. In fall 2000, 55 percent were proficient in mathematics, 64 percent were proficient in English. Incoming students' math proficiency increased by three percentage points over last year, while English proficiency increased by a fraction of a percentage point. While these numbers represent the third straight year of gains, they also remind us that we still have a great deal of work to do before we meet our Board of Trustees' goal to increase proficiency in both areas to 90 percent by 2007. Although we are on track to reach this in mathematics, we are still not quite where we should be in English. I should respond to Jeff Gore's letter to the editor.

Dr. Charles & Reid is chancellor of the 370,000-student California State University system, the country's largest senior public system of higher education.

Letter policy

Columns, cartoons and letters reflect the views of the author and do not necessarily reflect those of Mustang Daily. Mustang Daily reserves the right to edit letters for grammar and length. Please limit length to 350 words.

Mustang Daily encourages comments on editorial policy and university affairs. Letters should be typewritten and signed with major and address. Preference is given to e-typed letters. Letters may be mailed, faxed, delivered or e-mailed to mustangdaily@hotmail.com. Do not send letters as an attachment. Please type the text in the body of the e-mail.
The Chinese of today have transformed the Nanjing Massacre into a forgotten holocaust and claimed it as a little-known genocide.

Joshua Fogel
UCSB history professor

“Would you let a STRANGER walk into your home and talk to your child? You may already be doing just that. On-line chat rooms may be a great source for entertainment and information, but they can be a way for unscrupulous adults to contact your kids. Protect your family from strangers:

- Teach children the power of the on/off switch.
- Encourage kids to tell an adult if they are uncomfortable with an on-line conversation or topic.
- Don’t let your child use any nicknames that
The Mustangs will be facing the Don's Tagert Bledsoe, a second-round draft pick this year. "They have one of the best players in America on their lineup," Price said.

"It seems like it's been a long time since we've played. In a way, we're back to square one again," Price said.

"We're always playing well on the road," said Price. "If you're going to be an NCAA conference, you have to do well on the road."}

"In some ways we beat ourselves," Mustang head coach Faith Mimnaugh said of the previous meeting. "We were up by 10 in the second half, but with 15 minutes left we couldn't hold on. We missed a couple shots and they nailed a couple threes and they went back to square one again."

"We're playing small with nine points off the bench," Mimnaugh said of the previous game. "If you're going to be an NCAA team, you have to be competitive in three sports throughout the year."

"It's difficult because you're competing almost year-round," said DeRegio. "We're always playing well on the road."

"I'm of a distance runner, so running the 3,000 (meters) is kind of quicker," she said.

DeRegio said the indoor season is a building block for the outdoor season. She also said it does get hard competing in three sports throughout the year.

"It's difficult because you're competing almost year-round," she said. "It's hard to miss a lot of school, but I'm used to it. Part of my life.

DeRegio said the indoor season is really short because the only indoor track is in Reno. They are only competing twice this season; otherwise, they would be gone almost every weekend.

The next indoor track meet is Saturday in Reno.

JACKSON
continued from page 8

body.

A little support can work wonders, and with a large, enthusiastic crowd, a team can enjoy the kind of start that the baseball team has at Baggett Stadium, winning six of its first seven games. An opening day crowd of more than 3,000 people helped inspire them to an upset over No. 11 Stanford.

College athletes in all sports are very passionate about what they do. They have to endure endless hours of study, hall, practice, and weight training.

While most students relax after a day of classes, athletes usually engage in a grueling three-hour workout. To sacrifice so much of their time, which could be spent studying or socializing, athletes obviously love what they are doing.

It hurts when other people belittle interests and activities that we put our time into. Nobody wants to hear that the paper they spent nine hours on isn't very good, least of all from a teacher they respect. No football player wants to hear that his team is awful either, especially from his fellow students.

I agree that our football team (3-7) had an off year and our own basketball team (8-13 overall, 2-8 in the Big West) is struggling.

Both teams have suffered through tumultuous coaching changes, and are still adjusting to play at the Division I level, where they compete against teams simply more talented than they are.

With the recruiting benefits of being a Division I school, revamped coaching staffs in place, and hard-working athletes, people should expect both teams to be successful in the near future.

It serves no point to ridicule our own athletic teams. They are the only game in town, and they wear Cal Poly's colors, so we might as well support them as well as we can.

They work hard to represent themselves and the student body to the best of their ability.

The next time you feel like discussing the problems you have with Cal Poly's sports teams, I suggest you take it up with that bullying 300-pound lineman you see lamp­ering around campus, instead of making wisecracks about the team behind his back. Perhaps he'll offer you his own perspective.

Jacob Jackson is a journalism freshman. E-mail him at calpolyjackson719@aol.com.
Mustangs set for weekend matchups

After upset of UCSB last weekend, Cal Poly is ready for two Big West games
By Brian Mile
MUSTANG DAILY STAFF WRITER

Throw everything out the door.

Records, previous meetings, home-court advantage and every single statistic that follows the UC Irvine women's basketball game into Moty Gym tonight.

The Big West Conference has become a wide-open affair.

It doesn't matter how the teams look on paper.

Cal Poly proved that Friday, knocking off conference leader UC Santa Barbara, 76-72, in Moty Gym, snapping a 49-game conference win streak by the Gauchos.

But just to make things interesting heading into tonight's 7 p.m. tip-off, the UC Irvine Anteaters accomplished the same feat Wednesday - on the Gauchos' home floor.

The Anteaters found themselves snatching at the Mustangs' heels following a 64-57 Valentine's Day win over Santa Barbara in the Thunderdome.

The second straight loss by the Gauchos (7-2) has created a three-way tie with Pacific and Long Beach State atop the conference standings.

Cal Poly (3-5) trails Boise State (5-3) in fifth place, but UC Irvine (4-2) is right in the mix, and the Mustangs aren't taking the Anteaters lightly.

"We can't be happy with just beating Santa Barbara," said Cal Poly forward Heather Journey, who leads the team in scoring (47.5 percent). "We need to continue to beat people in the Big West."

Sophomore post specialist Caroline Rovales (12.7 points and 6.9 rebounds a game) and Big West Player of the Week Odessa Jenkins (7.1 points and 2.6 steals) are back at full strength.

Therefore, the Mustangs, 3-5 and 9-12 overall, are right back to where they started the season - when they rattled off an school-record five straight wins.

The Mustangs lost nine of their next 10, following a knee surgery to senior guard Odessa Jenkins was named Big West Player of the Week for her performance against UCSB where she tallied 10 points, six steals and three rebounds.

Indoor track athletes go back to back

By Larissa Van Beurden
MUSTANG DAILY STAFF WRITER

Most people at Cal Poly would find it hard to compete as a full-time athlete on one season while trying to go to school full time. But there are approximately 15 women at Cal Poly who compete in two different sports seasons, one right after the other.

The Cal Poly women's indoor track and field team is different from the normal outdoor track team. The season is currently underway, while the men's and women's outdoor track season doesn't start until March.

The indoor track and field team's season is just like any other sport. The athletes compete indoors around a smaller track than the outdoor one. The indoor track is a 200-meter, wooden banked track. The indoor track is synthetic, flat and 400 meters.

The indoor season usually starts at the end of January or the beginning of February, and concludes with NCAA championships in March.

Nearly all members of the women's outdoor track and field team compete indoors as well. The women practice throughout the year, and they use the indoor season mostly to train for the outdoor season. The men don't have a chance to compete until the outdoor season starts.

Head coach Terry Crawford said the indoor season is an excellent way to see the track members in a competitive mode.

"It's really a tune-up for the outdoor season," he said.

Crawford said both the indoor and outdoor seasons are complete, and the women are actually competing in two seasons back to back. "It's like if someone went from playing football directly into playing basketball," she said.

Although the NCAA championships are in March, and the first outdoor season meet is March 3, Crawford said it's not a big deal because of the competitive mode. The Mustangs will face the University of San Francisco on Saturday.

The Mustangs travel to San Francisco this weekend on the season's first road trip. The Mustangs will face the University of San Francisco Dons.

Last weekend's Jack Carroll Classic, hosted by Cal Poly, was cancelled because of rain, and weather continued to affect practice this week, forcing the team to hold practice only in the cages or the infield at the Mustangs' first road trip. The Mustangs will face the University of San Francisco Dons.