Students make light of new I.T. project

by Josee Chavarria
Staff Writer

Industrial Technology students are busy with a new project.

So what?

"So, 40 students in a manufacturing class are building lamps, big deal," said Chris Lamore. "That's what some people say until they find out more about the class.

Lamore, 22, an I.T. student, said there is a lot more to the Mechanical Systems courses than that.

The class is aimed at letting students design, assemble and market a product with the supervision of middle- and top management. The students have divided themselves into groups with a manager assigned to head every group.

These groups all perform a specific task. There are students involved in designing the product, which the students decided would be a desk lamp. Other groups were in charge of assembling, purchasing materials, marketing and quality control.

"We got an overall picture of the process that is used when a product is made," said Lamore. He explained that each group had to overcome the problems associated with their task. The purchasing group had to estimate which materials would be most cost-effective, available and practical.

The design team was concerned with how the product would function and look. Assembling took the materials and figured out ways to put the product together, taking into account time and procedure.

Quality control is concerned with the finished product as well as checking the quality of the separate stages of product development. Marketing provides data on which audiences will be most likely to buy the product.

"My job is to make sure the group managers are doing their jobs," said top manager of the lamp project, Greg Fujita. Fujita added that it is all a matter of proper scheduling. Students in the class get a well-rounded look at the entire process, he explained.

"It's a real lesson in practical experience and communication. We might be doing when we get out of school and into the work world," said Lamore. Professionals involved in the design and pay a fee for these things we might hope to get back when they sell the lamps at the end of the quarter, he explained.

Physics students do detective work

Department monitors natural radiation

by Andy Frodker
Staff Writer

Using a sensitive gamma ray detector, a group of Cal Poly physics professors and students are studying naturally occurring radiation in the San Luis Obispo area.

"We monitor a variety of environmental samples to establish a good baseline for background radiation," said Art Rosen, one of the professors working on the project.

By knowing the normal levels of radioactive material in these samples, researchers can pinpoint and evaluate any changes that occur in these levels.

"We've done this thing long enough to know what's normal," said John Poling, another professor involved.

"We do pretty well. We're as good as any lab in the nation.'

with the project. "If anything changes, we'll spot it." The group tests samples each day from about 30 different samples including: reservoir water, milk, fish, bones, ocean water and water from San Luis and Diablo Creeks. They have recently completed a system which can test particles and gas in the air.

The lamp will have an aluminum base with flexible conduit for the neck leading up to a shade covering the socket. "It will be your typical desk lamp, only better built and cheaper than a comparable lamp people can buy at stores," said Lamore.

"We've still decided what color to paint the lamp and are looking into the possibility of using the Cal Poly name on the lamp. It will be available around Christmas time, if everything goes according to schedule," said John Hill, a student on the marketing group. He added that the lamp will be built by students, for students and that it is likely to be available in the El Cerral Bookstores.

"It fits right in with the Poly motto, 'Learn by doing,'" said Hill.

Kurt Larcher does some work on the mail as part of the production of an I.T. manufacturing project.

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The group hasn't done any actual research for PG&E. The company has its own research program, sending samples to a lab in San Ramon to be tested.

"We have a reasonably comprehensive program, though not as extensive as PG&E carries out," said Rosen.

Background radiation comes from several sources.
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The “Right” Side
U.S. involvement in Lebanon is a noble mission

There has been a great deal of public questioning recently about whether to keep American forces in Lebanon or not. After much consideration, it is our conclusion that American efforts in Lebanon are in our best interests and also in the best interests of all concerned.

We have come to this conclusion by viewing the situation from two perspectives: first from the strategic point of view, and second, from the humanitarian point of view.

Due to the great flow of oil, and to a lesser degree due to the flow of industrial and agricultural goods through the Middle East, we find it a highly strategic location. The Suez Canal and oil fields in particular are sensitive to warfare, making them special considerations.

Since America, Western Europe, Japan, newly developing nations and the Middle East itself all rely on the sale of oil in this region, they all would prefer to promote peaceful alternatives to conflicts and promote stability in the area.

Unfortunately, Lebanon has been in utter chaos for the last several years. Since the mid-70s, the government of Lebanon has had no control of its borders. The P.L.O. terrorists moved in to southern Lebanon to launch attacks against Israel, Syria occupied western Lebanon and refused to leave.

Israel in turn invaded Southern Lebanon to eradicate the P.L.O. terrorists and refused to leave after repeated pleas from Lebanon and American mediators.

The government of Lebanon is simply too weak to expel the occupying troops, so they requested international help. The United States, France and Italy have been gracious enough to come to the aid of Lebanon in an effort that will hopefully result in the full withdrawal of all occupying armies.

The multi-national force is not attacking anybody. They aren’t advancing their position and they don’t fire unless fired upon. Our forces are there simply to police a zone in and about the airport so that Lebanese forces can tend to the more pressing needs. We are there to stabilize a nation, a goal which is mutually beneficial.

From a humanitarian point of view, more importantly, America’s role is most noble.

The Lebanese population is split between Christians and Muslims. These factions are further split into dozens of other sects all of whom are armed to the teeth with machine guns and mortars. The wanton killing and warfare has left the nation in rubble. Children run around without parents, thousands of people are homeless, and the warlords continue their private wars.

This killing must stop. Unless you enjoy watching people senselessly die, I would suggest that American efforts in this region are of the most noble nature, to stop the warfare.

It is because of the above reasons that we stand united in defense of American actions in Lebanon.

The Conservative Coalition

The Conservative Coalition currently consists of the following people, but our viewpoint is representative of many others in the right-wing factions of Cal Poly and, indeed, America as a whole.

There are also members whose names have been withheld upon request.

William E. Zallmar
Jeff Laurence Hunt
David Ray Hunt
Mark Est
Kim Hardy
Victor Kinsley

Buyer beware of the phone company

Editor:

I am responding to the article “Phone charges sur­prise students.” I arranged for my phone service before leaving home. All I was told was my phone number and when it would be working.

A friend who has the custom calling service discovered that I did too, and a day later the information got arrived in the mail. I called Pacific Telephone forthwith and almost got into an argument over whether I really wanted to cancel the custom calling service. I didn’t order to begin with. I managed to get the services cancelled and had the charges credited to my account.

I was lucky, and the credits appeared on my bill without any more hassle.

However this came about, I have gathered (by talking to several other friends) that contrary to what Joe Negroponte says, custom calling features were added automatically to all new accounts this fall.

If I had been in the same situation as Paul Tomita and his surprise $8 charge, I would not have paid the $8 and found it to the bitter end. It is too bad that in this day and age the only rule is “buyer beware,” since someone is always ready to trip you up.

Shannon Chryaler
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Then, as a nuclear-trained officer, you supervise highly trained personnel in the operation of the most advanced nuclear propulsion plants ever developed. You get a level of technical and management experience unequaled anywhere else.

You get important responsibilities and you monitor the operation of some of the most technically advanced systems in the world. You can make a difference. You can have a real impact. You can get the responsibility you want. And the Navy will make sure you get paid for it.

As a nuclear-trained officer, you also get the opportunity to become an officer in the Nuclear Navy. It's a difference you can see in yourself and the world around you. And the Navy will make sure you get paid for it.

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Get Responsilility Fast.

by Wendy Walters
Special to The Daily

Architects, future architects, art majors or anyone just plain interested in seeing little bits and pieces of history in San Luis Obispo may want to take note of the upcoming Fall Home Tour.

Five of San Luis Obispo's finest homes will be on public display this month during the 5th annual tour, sponsored by the Quota Club.

The homes, one of which was designed by a Cal Poly graduate, were chosen for their diversity of style. They reflect Victorian, Spanish and Modernistic architectural tastes and will be open to public viewing Sunday, Nov. 8, from 1 to 5 p.m.

Home viewers may tour the houses in any order, and refreshments will be furnished by Quota Club members at J.P. Andrews, 985 Monterey St.

Featured in the show are the homes of Homer and Ginny Odom, Patrick and Janet Smith, Vincent Fonta, Louie Silvaggio, and Joseph and Janet Graham.

The Silvaggio home, located at 752 Buchon, is the oldest home on the tour. It was built in 1893 in the Queen Ann Style, and is now carefully restored to retrace the essence of its bygone days.

The Odom home is of Spanish design. Currently for sale, it is located at 1925 Sydney, is more than 5,000 square feet in size and features a panoramic view of San Luis and a hand-painted mural.

Also of Spanish influence is the Graham home, 1510 Colina. This dwelling was given the Obispo Beautiful

Award for Excellence and was designed by Cal Poly graduate John Mitchell.

The Smith home, 1710 Southwood, is a Modern design. It is an almost new house, as it was remodeled from the floor up by Pat Smith himself. It includes an all-oak interior ornamented with brass luke.

Another modern work is the Fonta residence, 3315 Burris. It is a split-level construction with an all-oak exterior and built-in oak fixtures.

Quota Club members expect some 300 to 400 people to take the Home Tours.

Tickets for the Home Tour can be obtained through the Smart Shops, University Flowers, SLO Chamber of Commerce, VIP printing, Wishing Wall gifts, The Printers and Anchor Travel.

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A blend of history and architecture will be featured in the annual Fall Homes tour in San Luis Obispo. Shown are examples of the three styles of design— modern, Spanish and Victorian.

Page photos by Denise Hubbartt

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El Corral Bookstore

Wednesday, November 1, 1983

Page 5
Professors spot changes in levels of radiation

From page 1:

The elements uranium and thorium, which are left over from when the earth was formed, are a part of any soil.

The isotope beryllium-7 often shows up on leafy vegetables. It is produced when cosmic rays hit nitrogen atoms in the atmosphere. The nitrogen atoms break up into two beryllium atoms, which eventually settle on the plants.

Though most of the radiation the monitor picks up is background radiation, it has detected some unnatural substances. It has found a small amount of radioactive material in fish, a remnant of fallout from a Chinese atmospheric bomb test in the late 1970s. The isotope, cesium-137, does not appear in dangerous amounts.

"The isotopes appear in such extremely small amounts, we're surprised that we are able to detect them," said Rosen. "The importance of their detection is not that they are present, but that it shows how sensitive our equipment is."

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Weinhard's golf tournament
still has plenty of openings

by David Kraft
Staff Writer

Golf and baseball have their ailments. Both involve striking a ball. Both should be played on natural grass. And one can appropriately benefit the other.

That's where the Henry Weinhard Golf Classic comes in. Over 20 major league baseball players, including Cal Poly pitcher Mike Krakow, will exchange the bats and balls for clubs and tees in the Classic, the proceeds of which will go to support Cal Poly baseball.

The major leaguers, some local minor leaguers and their senator playing partners will tee it up Saturday morning at the San Luis Bay Inn Golf Course in Avila Beach, starting at 8 a.m. Each foursome will be matched with a ball picker in the shotgun start.

The tournament entry fee of $100 includes green fees, a cart, tickets to the Cal Poly-Southern Connecticut football game later in the afternoon and a dis­ nership at the Monday Club Saturday night.

Classic organizers reported last week that 70 spots were confirmed, leaving 30 openings in the field. Expenses, however, have been covered, so all additional entry fees will go directly to the Mustang baseball fund.

Besides Krakow, Central Coast residents Jim Wohlford of the Montreal Expos, Rusty Kunta of the Minnesota Twins and Roy Howell of the Milwaukee Brewers will match drivers and wedges with a talented array of big leaguers on the links. Among the notables scheduled to appear are no-hit pitcher Dave Righetti of the Yankees, pitcher Gary Lavelle, shortstop Johnny LaMaster and reliever Greg Minton, all of the Giants, and tough right-hander Dan Petry of Detroit.

Prizes will be awarded to top four­ names following the day's play. Further information can be obtained from Denny Martinak, director of Athletic Development at Cal Poly (546-1407), or Cal Poly head baseball coach Steve McFarland at 543-7527.

Tennis tournament to benefit Poly women

The Cal Poly women's tennis team is sponsoring the Third Annual Green and Gold Tennis Tournament on two consecutive weekends this month, Nov. 12 and 13, and 19 and 20.

Tournament director Orion Yeast, who doubles as the women's team head coach, said this event is the squad's principle fund-raiser for its travel budget.

The tourney, which will be contested on both the Cal Poly and San Luis Obispo High School tennis courts, will feature the no-add system of scoring with all matches being best two out of three sets. Fees for the singles tournament will be $10, while the doubles section will cost you $14. Participants need to bring only racks, as balls will be provided.

Entries should be mailed to Cal Poly State University, San Luis Obispo, Ca. 93407, care of Orion Yeast, received no later than Nov. 7. Checks can be made payable to Cal Poly Women's Tennis.

Entrants can find out their draw by calling Yeast at 546-8142 on Friday, Nov. 11, between 5 and 10 p.m., or can check the hallway of Poly's physical education building.

If both weekends are rained out, the tournament will be rescheduled to the following week.

The tournament director will accept entries on the day of play, but no entries will be accepted after 5 p.m. on Nov. 11.

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Sports

While women harriers count up their third regional crown...

by Shari Ewing
Staff Writer

Remember that old adage about death and taxes? Well, here is a new one:
They are two things in life you can count on—death, taxes and a winning performance from the women's cross country team.

The Lady Mustangs, whose appearance other teams shun more than the IRS, easily won their third consecutive Western Regional title Saturday in Rocklin, California. Cal Poly totaled a low 22 points, in front of Hayward and UC Davis, tied with 93 points. Seattle Pacific (100 points), and conference foe Cal State Northridge (102 points). Dave's Pati Gray captured the individual title in 17:15. "She took the lead from our girls with three-quarters of a mile to go," said Cal Poly coach Lance Harter. "She's a tough competitor.

Polly's Amy Harper took the number two spot in 17:21, followed by Lesley White (17:21), and Robyn Root (17:23). Kathy Kolin, from Hayward placed fifth in the field of Mustang runners Marilyn Nichols and Katie Dumser, who were both clocked at 17:38. Lisa Koeppen of Seattle Pacific placed eighth in front of Katy Manning (17:47) and Glades Prieur (17:49). Cal Poly placed all seven runners in the top ten, with a mere 2:31 second spread between Harper and Priester.

"Everyone ran very, very well, especially Dumser and Root," said Harter. "This was a break through race for both of them.

The Sierra College course, according to Harter, was more difficult than the team had anticipated. "Because the course was so narrow we spent the first mile trying to break the pack," he said.

Since the California Collegiate Athletic Association (CCAA) championships were held in conjunction with the Regional meet, Harter was voted CCAA Conference and Western Regional Coach of the Year for his fellow coaches. Because UC Davis is not a member of the CCAA, Harter won the conference championship.

Now Harter and his Lady Mustangs are eying the NCAA National Championships. "We've established in everyone's minds that this is the finest Division II team ever assembled," said Harter. "We are definitely capable of having seven All-Americans at the national championships. That's never been done before.

Men narrowly book trip to nationals

by Andy Frojken
Staff Writer

The Cal Poly men's cross country team Saturday earned a trip to the national championships on Nov. 12 in Madison, Wisconsin.

Led by senior Hector Perez's 7th place finish, the Mustang runners took the third and final qualifying spot at the Western Regional meet on Rocklin, eclipsing host Sacramento State by a mere two points, 97 to 99.

As predicted, the meet was a hard-fought battle between five California schools for the qualifying spots. Cal Poly Pomona dominated the race, taking five of the top 10 slots to score 27 points. UC Riverside ran an exceptionally strong race (66 points), putting the stage for the dramatic battle for third between the Mustangs, Sacramento State, and UC Davis (107 points).

"The team knew exactly what they wanted to do—and did it," said coach Tom Henderson. "With only two weeks to get into shape, Hector Perez and Kevin Broady, earning the qualifying spot is all the more impressive."

Coming off a foot injury, Perez ran an outstanding race to finish in 32:21 on the slow Sierra College course.

"This was a very aggressive, fast race," said Henderson. "Twelve men finished under the old course record of 32:34.

Perez was followed by junior Nelson Bernal, who ran another solid race, placing 15th (32:36), and Kevin Broady, who finished 17th (32:40). Broady's time was a minute faster than the one he ran on the same course in September.

Sophomore Ken Ellinson was the Mustang's fourth man, taking 26th place in 33:07, 40 seconds faster than he ran in September.

Sophomore Jim McCarthy completed the scoring for Cal Poly, taking nearly two minutes off his September time to finish 32nd in 33:36. Henderson singled out McCarthy's performance as the key to beating Sacramento State: "At five and a half miles into the race, the Sacramento State coach was screaming at his man right behind Jim that 'This man is the race, he is the trip to the nationals.'

McCarthy ran a great last half mile, collapsing the finish line and having to be helped through the chute.

Junior Hectors Nieves and freshman Dave Livingston rounded out the Mustang seven, placing 34th and 41st, respectively.