Diablo Unit Two reactor scheduled for third refueling

By Karen Kendzior Daily Writer

Unit Two of the Diablo Canyon Nuclear Power Plant will be in hibernation the next two and a half months. The reactor will be taken out of service long enough to replace about one-third of the fuel and complete other maintenance projects, said Brad Thomas, a Diablo Canyon news representative.

"There is no concern about replacing the power from Unit Two," said Thomas. "This is a planned, scheduled shutdown. Everything will be fine."

During the shutdown more than 1,500 full-time and 1,750 part-time workers will be involved in the effort.

Unit Two has been refueled twice before, beginning in April of 1987 and September of 1988. Since its last refueling, the unit has produced more than 1 billion kilowatt-hours of electricity.

Eighty of the 193 fuel assemblies in the reactor will be replaced with a new, more efficient type of fuel. John D. Townsend, operations and plant manager for Diablo, said the new fuel is not much different than the previous type. Whereas the old type lasted only 12 months, the new fuel may run 15 months, he said.

Normally one-third of the fuel is replaced to partially compensate for the fact that the fuel assemblies on the outside tend to operate at a lower power level than the ones in the middle, said Thomas.

The new fuel assemblies, will be placed on the outside to boost power there. The partially depleted ones will be put in the center to reduce the power in the middle. "That way you get a more uniformed distribution," said Thomas.

The fuel assemblies are removed from the reactor under 20 feet of water, which acts as a radiation shield, said Thomas. The depleted fuel assemblies are then placed into a spent-fuel assembly pool.

Townsend said there are 1,324 spent-fuel storage locations in the two pools. The plant will have storage capacity until the year 2010, he said.

Additional work during the shutdown includes maintenance and testing. Townsend said he hopes to complete all of the work in the two pools.

Owned and operated by Pacific Gas and Electric, the plant serves about 10 million customers in its 94,000 square-mile service territory in northern and central California.

Cal Poly program exposes students to possible careers

By Kim Jarrard Mustang Daily

What is the world's largest seed? What happens to milk after it comes out of a cow? How is a press release written?

High school students from various parts of the Los Angeles Unified School District learned the answers to these questions and more when they were introduced to the many aspects of agriculture and the different careers schools of agriculture do, such as learning about seeds in a crop science mini-lesson, and how to use a Macintosh computer in an agricultural engineering lesson. The lessons were designed to allow the students to actually participate in them.

This year's program, which originated from a student's senior project in 1988, was the third one put on by the department. The students were introduced to the many aspects of agriculture and the different careers schools of agriculture do, such as learning about seeds in a crop science mini-lesson, and how to use a Macintosh computer in an agricultural engineering lesson. The lessons were designed to allow the students to actually participate in them.

The program gave under-represented students from the inner-city of Los Angeles a glimpse of college life — and encouragement to get a degree.

"A lot of these students are from downtown L.A. and a lot of them don't even consider going to college," said Rob Arno, a co-chairman of the program. "But once they see they can do it by attending the program, Arno said, "the students are exposed to something different."

"It provides an opportunity that a lot of them need to go to a better university," said Florence Kelly, a teacher from Bell High School who helped chaperone the trip.

"We're trying to do expose these kids to careers of a professional, technical and managerial nature in agriculture," said Bob Flores, associate professor of agricultural education and supervisor of the program.

Some of the largest corporate offices of agricultural firms are located in Los Angeles, he said, and subsequently the program is tailored to students from Southern California.

Twenty-one students filled out applications in order to participate in the two-day program. They attended about 12 mini-lessons, each being a short overview of what the different schools of agriculture do, such as learning about seeds in a crop science mini-lesson, and how to use a Macintosh computer in an agricultural engineering lesson. The lessons were designed to allow the students to actually participate in them.

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**Men's Basketball**

**Poly loses semifinal**

*By Jay Garner*

*AUBURN — The Mustangs watched basketball so well for so much of Friday night's game that not even Pete Boen would have bet on them losing. But they did — by one point.*

The Mustangs walked off the court at halftime with a 10-point lead over UC Riverside in the first game of the CCAA post-season tournament at CSU Bakersfield. In the first half, Cal Poly shot a impressive 59 percent from the field while holding UC Riverside to 40 percent. Stuart Thomas — who was named to the CCAA's first team — dominated the low post, scoring 12 points and grabbing four rebounds. And the Mustangs kicked four of seven shots from three-point range — two by Simon Thomas.

The Mustangs looked even better at the beginning of the second half, scoring the first seven points to lead 45-28. And with 13:28 left in the game, James Gama's 16-foot jump shot gave the Mustangs a 19-point lead, 55-36.

"No matter how much we were down," said UC Riverside star Chris Ceballos, "we wanted this game. We never gave up." With about 13 minutes left, UC Riverside's coach John Masi sent out Steve Harrington, who had played only 20 minutes all season, into the game. The 6-foot-7 Harrington sank three outside shots, two of them three-pointers, to spark UC Riverside's comeback.

"The two big guys they had in there could not play a lot of offense," Stuart Thomas said. "It gave me a lot of chances to help out on Ceballos (the CCAA Player of the Year). And then they brought in Harrington... he hit the three-pointer, and then I had to get up on him, which opened up a lot of things on the inside."

The Highlanders quickly took advantage, outscoring the Mustangs 25-6 in less than seven minutes to tie the game at 61-61 with 6:46 remaining.

"We started missing our shots, and they got hot," Simon Thomas said. "But for us to blow a 19-point lead, I think we just let down a little bit too much."

With 14 seconds left, the Mustangs trailed 64-68, but had the ball with a chance to win. Coby Nans passed to Stuart Thomas, who was about 12 feet from the basket. Thomas then tried to get the ball to Shawn Reed, who was cutting along the baseline, but the pass was too low. Reed saved the ball from going out of bounds, players dived to the floor to come up with it, but the buzzer sounded.

"It's the best comeback that our team, especially in a situation like this, has ever had," Masi said.

Stuart Thomas led the Mustangs with 22 points, and Simon Thomas scored 16. For UC Riverside, Ceballos scored 23 points.

The Mustangs finished the season with a record of 19-9, 9-5 in the CCAA. Cal Poly could still receive an at-large bid for the NCAA Division II tournament.

"From what I understand," Simon Thomas said, "our chances are a little slim at this point. But I definitely think we are one of the top four teams in the West."
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GERMANY

From page 1 and show Cal Poly students a side of Europe that most tourists don't get to see.

Brian Fullerton, manager of the Student Travel Center, said Scheller is well prepared. "He's taken survival and wilderness training, and he knows what to do," said Fullerton. "He knows first aid and he can respond to emergencies."

The main function of the Student Travel Center is to promote education through travel.

The travel center is located inside Gulliver's Travel on campus but is not part of the agency. "We have Cal Poly counselors that help plan trips and provide logistics for students who want to travel," said Fullerton. "We can help students fill out passport forms, issue student identifications and give peer advice to anyone looking for it."

The Germany tour has 10 openings and Scheller is seeking people interested in learning about the culture. Students should have an intermediate hiking ability and should be able to carry a relatively heavy backpack.

Hiking in Europe is not like hiking in the Sierras, said Scheller. "We hike from lodge to lodge," he said, "and often times there are warm showers and toilets."

Fullerton was amazed with the style of hiking in Germany. "This is a system we don't have in the United States," he said. "These lodges are fabulous. They're like mansions."

Anyone interested in the two-week tour can pick up an information sheet in the Student Travel Center. The price of the trip is about $1,100 and includes roundtrip airfare from Los Angeles to Munich, five train tickets, 14 days of lodging, 14 days of breakfast and lunch (not drinks), a group dinner in Memmingen and a dinner at one of the lodges during the trip.

Scheller recommends students bring a minimum of $500 spending money. Students can stay in Europe after the two-week hike.