Continuing protests against Diablo Canyon nuclear power plant included a retraction of the Crucifixion on Good Friday.

Low power testing delayed

A sealant leakage will postpone Pacific Gas and Electric's low power testing at Diablo Canyon nuclear power plant until midweek, as protestors spent Easter weekend continuing protest of the Nuclear Regulatory Commission's April 13 approval of a low power testing permit.

PG&E spokesman said a leak found during preoperational checks Sunday will delay low power testing probably until Wednesday. PG&E was planning on beginning testing today.

A group of six protestors from San Joaquin County Ahalone Alliance staged a symbolic demonstration Friday as 75 people followed a man with a cross from Avila to the gate of Diablo. Ahalone Alliance spokeswoman explained the man portraying Jesus represented the people of California;

PG&E was viewed as the money changers he Jesus cast out of the temple; the cross symbolized the tax burden county residents will have to bear.

Peaceful protests continued throughout the weekend, with no arrests Saturday and 10 arrests Sunday, including two Cal Poly affiliates, Ralph Jackson, a chemistry instructor on sabatical, and Katie Wheeler from Cal Poly Concerned Faculty and Staff.

In other action involving PG&E, the Public Utilities Commission completed its first week of hearings Friday to decide whether the company should get a $130 million rate increase to compensate for the cost of closing Humboldt Bay nuclear power plant in Eureka.

The plant closed in 1976 for net losses. The site is currently used for seawater cooling, and the company is planning on reusing the site if nuclear power is re-established in California.

Next month Cal Poly students will be voting on whether they want to pay extra fees for a recreational facility, and Cal Poly's California State Student Association representatives said steps are being taken to avoid the problems San Jose State is having with its recreational facility.

San Jose State approved the idea of paying extra fees for a recreational facility, but after construction delays which increased the price, students recently voted against their facility.

"They approved the fee," said CBSA representative. "Before they had any idea what they wanted."

He said Cal Poly has planned its proposed facility to avoid San Jose State's problems. "We've further along now they are," said Erickson. "And they passed it a year and a half ago. They just rolled out of bed and decided to build a recreation center."

Cal Poly's $12 million proposed facility is scheduled to hold basketball, volleyball, racquetball and badminton courts, and will be built on the softball fields next to the outdoor pool.

Students would begin paying $10 per quarter next year, $20 a quarter in 1985-86, and $30 a quarter in 1986. Students would pay $25 a quarter for 36 years. If all goes according to schedule, the facility could be completed by 1987.

Erickson said that because of the delays in the construction at San Jose State, students opposed to that facility used the opportunity to get a referendum against the facility on the ballot.

He added that while the referendum passed, it was poorly worded and is being taken before the student court, where the vote will be heard again.

If the San Jose State court throws the election out, San Jose State could still build the facility though if the San Jose State court throws the election out, students voted against construction. Erickson added that while the referendum passed, it was poorly worded and is being taken before the student court, where the vote will be heard again.

Also, used in the transfer program were two Simmental cows belonging to Dale Bowman, who sponsored the event in conjunction with Masterbread.

Hayman said three factors should be considered in preparation for an embryo transfer: both donor and recipient cows should be cycling normally, both should be healthy especially free of uterine infections and each donor should have a synchronized cycle with its matching recipient.

The cows were treated with a drug, synchro-moteb, to synchronize the estrus cycles.

Once the donors and recipients are selected, treatment with a follicle-stimulating hormone begins eight to 12 days following the onset of the estrus cycle. PHH injections are given twice per day for four or five days.

The FSH treatments affect the growth of the follicles. If not, the donor embryo transfer program could be affected.

Donor cows are bred eight hours after they come into estrus and are then bred repeatedly eight hours after the first breeding and a third time 16 hours after the first breeding.

Students transfer embryos, raise cattle reproduction

by Frank Van Brocklin

Though the theory behind it is complex, non-surgical embryo transfer in cattle is a straightforward and highly successful process.

Cal Poly students had the opportunity last week to view an embryo transfer performed by , a veterinarian working for Masterbread of Temecula, California. The program was arranged by .

"The main advantage of embryo transfer is that you can have a superior animal and generate multiple offspring from one in less time. For instance, the gestation period for a cow is nine months. In that time she produces one calf. By doing embryo transfer, she could produce 15 calves in one year instead of one," said.

"One thing you have to do before you start a program like this is make sure youruck is working with a superior animal to produce superior offspring," said.

The Angus cow in the transfer is a gift from one of Cal Poly's highest producing cows. In order to rank as a pathfinder, a cow must have at least three offspring rating a quality index of 105 or higher. The Angus had at least three offspring rating an index of 117.

Poly proposed rec facility compared with San Jose

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Politically free education

It is time the federal government stops holding out to needy students a poisoned carrot of financial aid, forcing them to register for the draft in order to attend college.

It is time Cal Poly administrators and financial aid officers help stop the unconstitutional enticement. There are two ways Cal Poly can be effective in ending what is an absurd prohibition to a person’s education.

One, the administration can support two groups representing students from some eastern and midwestern schools, which are scheduled to present to the Supreme Court today arguments opposing the Solomon Amendment on grounds that it is unconstitutional.

Authorised by New York Rep. Gerald B.H. Solomon, the amendment requires students seeking financial aid to show evidence they have registered, and asks that men under 18 or women show they do not have to register.

The amendment is said by Pentagon officials to have raised the number of registrants to 99 percent of those eligible from 90 percent when the amendment took effect last fall, as quoted in a Sunday New York Times story.

The Times also quotes the head of the National Association of Student Aid Administrators as saying “only a handful” of students nationwide have been stripped of federal financial aid for failing to comply with the Solomon Amendment.

It is no wonder. The amendment, which establishes a false drafter of sorts, has got students running, and enrolling, scared. Offered only one other alternative, the students have registered, allowing them to maintain their eligibility for aid and compelling them to pray a little harder that registration does not lead to a draft, and that a draft does not lead to a war.

The alternative up until now was to admit to not registering and, in effect receive a sentinel aid—without the benefit of a judicial trial. That is the opponents' best argument on the amendment’s unconstitutionality, a denial of rights to due process and against self-incrimination.

Now some schools have offered an intelligent alternative to the Catch-22, and it is a choice Cal Poly should also offer. Those schools Harvard, Wesleyan and the University of Michigan among them, are offering market-rate loans to students who may have been denied federal assistance.

Although officials of those schools have said the offers have received little response, Cal Poly should not be deterred.

The key to the offers, which would also constitute a strong academic protest against needless government interference, is to advertise the alternative forms of aids strongly. This would offer incoming students a freedom of choice, rather than denying them even a chance to seek peace.

Award winning editor board calls on Cal Poly administration to help stop government interference, and urges the university to urge the California State Universities in a system-wide support of politically free education.

I thought that one of the permanent benefits of the feminist movement would be that women would no longer need to be anybody but themselves, that their self-esteem and self-worth had been raised to the point that they could throw away most of the chains that a male dominated society had placed on them. But no; those corporate men are still at it and working harder than ever to make women (and everyone) desire their companies' products through advertising and intense marketing strategies.

I hope that someday that student who was in my office will realize her natural worth and understand that the only reason she uses makeup is because a false need was placed in her by some money-hungry corporations.

I know that corporate and peer pressures are hard to fight, but women, throw off those chains.

Michael Welch

Letters

Lack of funds cancels tractor pull

Editor:
The Agricultural Engineering Society (AES) and Poly Royal Executive Board are disappointed to announce that there will be no tractor pull at Poly Royal this year.

For the past 13 years, the AES has taken it upon themselves to sponsor a sanctioned, professional tractor pull, costing them nearly $10,000 a year. Club members work the entire year to pay this off, and this year they were able to collect a large amount from the clubs to support the event.

Therefore, the Poly Royal Executive Board are working towards a feasible, financially supportable event. Currently, the AES and Poly Royal Board are working towards a feasible, alternative way of funding a tractor pull next year, through sponsorships or gate fees. This year’s tractor pull is financially not justifiable.

Chiff Yeans
Kevin Johannsen

Making up is hard to do

Editor:
Last quarter a young woman walked into the office where I work. This student had come in for a specific purpose.

When she left, I couldn’t think about what she had been there for, but what could only wonder what she really looked like.

I thought to myself, ‘I could see what she was wearing: early Sixties type clothes from second-hand stores, or maybe they were new since that’s the style now. She was also wearing stuff on her face. That’s why I couldn’t see what she really looked like.’

It’s hard for me to imagine why women wear makeup. On the contrary, I can think of several reasons not to wear it; it’s expensive, it takes a fair amount of time to install it and to maintain it, and it obscures the natural beauty that all beings are born with.

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Michael Welch
It's evolutionary my dear

Editor:

Why didn't someone tell Karen Ellman that the theory of evolution was just a theory? Although the name does imply this, when we consider the average student's reaction to the latest exams, I expect that she did not hear a really, or that she may not fully understand the difference between a theory and an explanation. It does not say that man evolved from monkeys, it says that monkeys and man evolved from a common ancestor. If science consisted merely of a giant collection of isolated, self-contained, separate facts that we cannot understand the world with. Science could become a revolting, power-fuelled discipline we know it to be. Facts such as: "If you drop a rock it falls to the ground" or "the moon orbits the earth" would be just unrelated statements if we were not for a theory called Newton's theory of gravity which unifies these and other similar phenomena into a single, unified picture. But Newton's law of gravity is a fact you say? No, just a theory with a more elegant name. Actually, Newton's "theory" of gravity is not even correct. For example, it cannot correctly describe the motion of the planet Mercury, or deal with the effects of gravity on light. To explain these phenomena, we must look for more complete "theory" or gravity which was formulated by Einstein.

The point is this: facts are interesting and even useful, but the truly great achievements of science are the formulation of theories which unify seemingly unrelated observations. A scientist is understanding a few theories, a scientist is understanding a few theories, a scientist is understanding the results of countless new experiments. The merit of a theory is judged by how accurately it describes the observations and how successful it is at making new predictions. One of the most successful of all scientific theories is a theory that the details of the evolutionary process have not been worked out, but there are no serious scientific theories which compete with evolution at this time.

Really let someone say that science does not deal with the question of who made the universe, or who established the rules by which it is run. Science merely tries to discover the rules so we can better understand how the universe operates.

Joseph D. Boone
Professor of Physics

A word from the Sound Alternative

Editor:

In an attempt to clear up the events surrounding the denial of KCPR to broadcast the names of the winners of the ASI elections, especially the incident with President-elect Kevin O'Sullivan. Let me present what happened on the night of the election from our side of the telephone. Let me say first, however, that this is not an attack on Kevin, but simply an attempt to clear this up.

KCPR had been calling all night long, however the media said they had no idea what the result would be.

After three weeks, the station's Director was speaking to the audience.

"I've worked at this station for three years and I've never seen anyone else survive without having a beer."

But he gave Henri a chance, and I'm glad he did.

The way he rose to the challenge was inspirational. He was constantly urging the station towards the goal.

He was constantly urging the station towards the goal.

When I saw short, stout Henri bounding across the news room floor and carrying on so, I laughed until I almost cried.

About 80 hours of my life each week are spoken for, and that doesn't include a girlfriend. I was a hard at times, but when I see people

Radio director directing goals

Working for the school radio station as I do is usually a thankless, thankless job. But being News Director is not so bad. Of course, since the station is a journalism laboratory, we rarely get quality producers to work there. Of the few people who work on the news are just learning how to do it, and it is very frustrating being their leader.

It's an especially welcome occasion when someone turns up who is genuinely interested in learning and is willing to do his best.

One of the people I've had the pleasure of working with this year is such a person.

When Henri came to the radio station, he did not do any broadcasting, he had never handled radio equipment, and he had never had any training in writing. But he really wanted to be a broadcast journalist, and I think he really was.

I was a bit sceptical at first. Could a totally untrained, barely picked up on the back of the bus be a broadcaster? I have never seen anyone else survive without having a beer.

But I gave Henri a chance, and I'm glad I did.

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Review

'Moscow on the Hudson'-a tender vision of America

a comedy and then some

By Robert Clancy
Special to the Daily

Paul Mazursky's touching human comedy "Moscow on the Hudson" presents audiences with a compelling puzzle: Why is freedom such a damned elusive quality?

In Moscow, Vladimir Ivanoff (Robin Williams), a circus musician, (to borrow Rousseau's phrase), is "forced to be free."

He waits in sprawling lines during the frigid winter to collect five rolls of seemingly petrified toilet paper. He has to borrow a friend's apartment to savor an intimate moment with his fiancee. And he shares an apartment with five other relatives. His friend Anatoly, a clown in the circus, complaints that the individual in Russia is analogous to "a gear in a bad machine."

Well, the circus travels to New York, and Anatoly vows to defect. He loses his nerve and resigns himself to life as a Muscovite, but Ivanoff suddenly gains courage—he defects in Bloomington's. (The whole delirious scene is sealed with a Big Apple kiss: "This is New York City; the man can do what he wants," a policeman says, protecting Ivanoff from a fanatical KGB agent."

So Ivanoff settles in America. He cherishes his freedom to purchase, to choose companions (his friend Leonid, Cleavant Derricks and his girlfriend Luda; Maria Conchita Alonso), to choose job, and to...suffer unhappiness.

Co-writer (with Leon Capetanos), producer and director Mazursky may love America, but he doesn't feign blindness. He paints the joyous side (a moving scene, where aliens are sworn in as citizens) and the rueful side (Ivanoff's painful longing for his family back in Russia) of the immigrant's American experience.

The film is an honest, bittersweet but extremely affecting version of America. It only takes a short time for one to realize that the freedom of sorrow is still a freedom, and that's the truly mysterious glory of this "strange and wonderful" country.

Mazursky continues to be America's gentlest farceur. His comedic heart sheds blies on many ironic moments.

The whimsically wicked KGB agents simultaneously denounce and drool over blue jeans, silk bathrobes and other staples of "American decadence." And the movie's best scene captures the pained expressions of the Moscow entertaining troupe gaping at the colorful menagerie that is New York City—one circus encounters an even stranger circus.

Of Mazursky's high-quality cast, Robin Williams announces the most powerful screen presence. He's funny, somber, horny, sad, triumphant and remarkably Russian—this is full immersion into a complex, likeable character.

"Moscow on the Hudson" doesn't blast patriotic noise. Rather, it offers movie-goers a truthful, tender and lyrical vision of America that feels astonishingly real.

Although Robin Williams has the reputation as an improvisational actor in his most recent movie "Moscow on the Hudson" he plays the Russian musician character without a hint on "Morkness."

Applications for Mustang Daily Editor are now being accepted. Deadline is May 4 and applications should be submitted to current Editor's box in Graphics Building Room 226.

THE BASICS AND MORE

Start Basic. If you want to make it as an Army officer, you've got to go through the Basic Camp. Spend six weeks of your summer vacation at Fort Knox, Kentucky, learning what it takes to be a soldier. And an officer.

You'll Test Yourself. You'll test your body and challenge your mind in ways you never attempted before. And that's important, because if you don't test yourself, you'll never know how successful you can be.

You'll Test Brains. Basic Camp isn't all physical training and marches, although that does take up a lot of your time. You also learn to navigate with a map and a compass—and your survival instinct.

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Sorry Charlie, only the best-looking mermaids get to star in movies. Daryl Hannah plays a sea nymph who gets the guy in "Splash".

**Splash of humor entertains—really**

by Jesse Chavarria

Staff Writer

Forget "Ironman". Forget "Moscow on the Hudson". In fact at the same time fought "Grayshoke: Lord of the Jungle" and "Footloose" also. Now that the mind is clear and calm it will be filled with something truly memorable. Remember "Splash". Repeat the phrase "remember Splash".

From the moment John Cendy ("SC-TV" and Stripes) drives on the scene and smashes into fruit crates and immediately starts to distribute copies of Penthouse to the workers of his shop the movie keeps the audience entertained and laughing.

Candy walks away with all the out and out funny lines but his antics as the perfect foil for the straight man played by the lead actor. When Candy isn't in the scenes the comedy takes on a subtler, sort of sarcastic vein.

Another SCTV alumni Eugene Levy, captures modern sour man perfectly. He is willing to go all out to prove that mermaids exist, never realizing the consequences of his actions. Shades of "E.T.".

Ron Howard, Richie on "Happy Days" does a fine job of directing this comedy under the new Disney label, which is supposed to cater to more adult tastes.

Sure it could be argued that the movie is just some lightweight comedy to be filed away in the dark recesses of the mind along with rib-ticklers like "Vacation" and "The Man With Two Brains".

It could also be argued that most comedies aren't supposed to contain any meaningful content and are meant to entertain for a short span of time, soon to be forgotten. The same could be said of every movie ever made. Four movies have just been put into that category in the first sentence of this review.

So why does a predictable but hilarious film about a mermaid who falls in love with a man who in turn fall in love with her rate higher than the previously mentioned movies? The best way to explain is to compare "Splash" to "E.T."

In the science fiction film a small boy is willing to give up everything, take any risk in order to save a friend, an alien. In "Splash" the same situation exists only the character is an adult. Because of the maturity of the character he isn't quite so ready to give up everything he is used to for the sake of his mermaid.

This is entirely too realistic. The irony comes when the most immature character of the movie played by John Candy expresses a very mature attitude about love. The fact that true love is worth any risk. The sad part is people like Candy's character never even get the chance to take the risk.

Does anybody really care if the young man in "Footloose" is finally allowed to dance or not?
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THE REWARDS

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Cal Poly’s Mustang
Observatory

Campus
Center works for healthy attitude
by Leanne Alberta

The Health Education Department offers a number of programs designed to help students, staff, and faculty as well as the community, achieve their best possible health.

Staff and student educators are available at the Health Center to discuss questions on nutrition, sports medicine, family planning, oral hygiene, and alcohol abuse. These services are free to students and are confidential.

Heidi Schreiber, a student educator in the nutrition education program, explained that “Students usually have a basic knowledge about nutrition, but many times they still need direction. Once in awhile, girls come into the Health Center hoping to learn how to lose 10 pounds in a week, so we direct them to a safer method of weight loss.

In the nutrition program, student educators such as Schreiber offer one-to-one counseling in addition to workshops on most aspects of eating for health. Also offered is a multidisciplinary group weight loss program. Nutrition workshops include “Eating in The Dorms,” which is designed for students who eat on campus, and provides guidelines for making wise food choices and hints on how to handle dorm life eating problems.

“A Recipe For Fitness” is a workshop designed to answer questions concerning protein, carbohydrate, and fat intake, as well as weight loss and maintenance. The alcohol education program provides health education to increase awareness on the physical, emotional, and social effects of alcohol abuse and abuse.

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The sports medicine program is preventative in nature. It seeks to help prevent injuries caused by training and exercise. The student educators focus on common running and aerobics injuries.

In order to supplement these services, the Mustang Daily is planning to feature a regular column aimed at answering the questions that most concern students at Cal Poly.

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Center works for healthy attitude
by Leanne Alberta

The Health Education Department offers a number of programs designed to help students, staff, and faculty as well as the community, achieve their best possible health.

Staff and student educators are available at the Health Center to discuss questions on nutrition, sports medicine, family planning, oral hygiene, and alcohol abuse. These services are free to students and are confidential.

Heidi Schreiber, a student educator in the nutrition education program, explained that “Students usually have a basic knowledge about nutrition, but many times they still need direction. Once in awhile, girls come into the Health Center hoping to learn how to lose 10 pounds in a week, so we direct them to a safer method of weight loss.

In the nutrition program, student educators such as Schreiber offer one-to-one counseling in addition to workshops on most aspects of eating for health. Also offered is a multidisciplinary group weight loss program. Nutrition workshops include “Eating in The Dorms,” which is designed for students who eat on campus, and provides guidelines for making wise food choices and hints on how to handle dorm life eating problems.

“A Recipe For Fitness” is a workshop designed to answer questions concerning protein, carbohydrate, and fat intake, as well as weight loss and maintenance. The alcohol education program provides health education to increase awareness on the physical, emotional, and social effects of alcohol abuse and abuse.

The alcohol education program offers workshops and one-to-one oral hygiene instruction, dental screening, and referral services in conjunction with the Health Center staff.

The sports medicine program is preventative in nature. It seeks to help prevent injuries caused by training and exercise. The student educators focus on common running and aerobics injuries.

In order to supplement these services, the Mustang Daily is planning to feature a regular column aimed at answering the questions that most concern students at Cal Poly.

This column will attempt to answer questions most commonly asked by health educators on campus, in counseling sessions and in workshops. If you have a question you would like answered you can send it to the Health Education Department in care of the Health Center.
Cattle receive surrogate mothers

from page 1

Rohrer said in order to determine if donor cows are in heat, they are placed in a pen with bulls carrying marks on their chests. If the cows throw their head back, the bulls will attempt to mount them and leave a mark on the donors.

Other signs include mucous discharge, swelling of the vulva, and females trying to mount each other.

Once the donor and recipient cows have been prepared, the removal of embryos from the donors is fairly straightforward. "If everything goes smoothly, it takes about 40 minutes," Hayman said.

Embryo removal takes place about seven days after the final breeding.

Hayman began by injecting a spinal block into a donor cow to keep it from resisting.

To remove the embryos, Hayman inserted a catheter through the cervix of a donor into one uterine horn. Hayman kept track of the path of the catheter by feeling with one hand through the rectum wall.

Once in a uterine horn, Hayman inflated the balloon-like catheter cuff to hold it in place.

Then he ran a solution through the inflow tube of the catheter to flush the embryos into the outflow tube and ultimately into a collection bottle.

The viable embryos are drawn into clear straws with a syringe.

The viable embryos are transferred to the recipients in one of three ways: by a surgical transfer, by a non-surgical transfer, or through flushings.

The surgical transfer is not commonly used, except in special circumstances. Hayman said the transfer takes place about seven days after the donor cow is flushed.

To do the surgery, Hayman inflated a balloon to hold the catheter in place. The catheter is inserted into the horn, and the balloon is inflated to hold it in place.

The catheter is then connected to a solution, and the embryos are flushed out into the straws.

The non-surgical transfer is used when there are no problems with the donor cow and the embryos are viable.

"So far the transfer has been a success because the embryo itself is not damaged," Rohrer said.

The non-surgical transfer involves inserting a catheter through the cervix of the donor cow, and the embryos are flushed out into the straws.

The surgical and non-surgical transfers are similar, except that the surgical transfer requires anesthesia for the donor cow.

Hayman said it is vital to massage the top of the uterine horn because most of the eggs will be located there.

Depending upon the size of the cow, each uterine horn will be flushed five to eight times during the process, he said.

After the straws have been flushed out, they are infused with distilled water and an antibody. This cleans the uterine tract and destroys any remaining embryos, Hayman said.

The next step, searching for the embryos in the uterine horn, is a time-consuming step. For the three donor cows flushed Tuesday, the process took Hayman and his assistants Tracy Haslam five hours.

The fluid is cooled to about 25 degrees centigrade, he said, and then filtered to remove any debris.

Using a stereomicroscope, the fluid is magnified to make the search easier.

After locating eggs, Hayman first checked to see if they were fertilized. A doctor looks for a mass of cells within the zona pellucide, or the outer layer of the egg.

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Rohrer said each embryo that is collected must be examined for abnormalities, such as degeneration, which could make an egg unfit for transfer.

The viable embryos are drawn into clear straws with a syringe.

The method for storing these straws depends on when the embryos will be transferred. "In vitro, you can keep them for about 16 hours. If you anticipate more than this many hours, you're pushing it, and you may want to consider freezing them," Rohrer said.

To freeze them, the embryos containing straws are placed in a tank cooled by liquid nitrogen.

Rohrer said the rate of pregnancy following transfer of viable embryos, which had been frozen as was high as the rate for freshly transferred embryos.

The three cows flushed Tuesday produced a total of 20 viable eggs. The Angus owned by Cal Poly produced 19 eggs, all of them fertile and with no abnormalities. Of the two Simmental owned by Bowman, one produced 11 eggs, eight of which were viable. The other produced only one egg because of complications in its birth cycle.

"I think that our results were very, very good. Normally, we would expect less, but again that depends on the animal," Rohrer said.

Finally, to implant the embryos, Hayman guided an inseminating gun carrying an embryo through the cervix in much the same way he inserted the catheter during embryo flushing.

Rohrer said the embryos must be implanted in the same area of a uterine horn as it was ovulated from. If not the embryo might not implant, and the recipient would come back in heat.

Producers often use dairy cattle for recipients, Rohrer said. "One reason for using dairy cattle is that they produce a lot of milk," she said.

The excess embryos from the Cal Poly transfer were sent to Golden Gene, a Holstein dairy operation in Riverdale.

Rohrer said the chance of a transfer being successful is high. "Right now, there is a 60 percent chance that a transfer will take," she said. As the industry grows the percentages are improving. With the 20 eggs we have, we're hoping to get 14 babies," she said.

Rohrer said the embryo transfer industry is expanding. "It's on its way up very fast. I think it has a bright future. Eight years ago it was all done surgically, now most of it is non-surgical and the percentages of birth rates and offspring are higher," she said.

"It's an expensive process. One thing Dave likes to do is to consult others to train them in the process," she said.

A typical fee per donor is about $450. This consists of $100 for the program, $100 for flushing the embryos, $400 for a non-surgical transfer and $200 for a pregnancy test.

Fees for transferring embryos cost $50 per embryo, with a minimum charge of $200 and maximum charge of $500. Therefore, even if a dozen embryos were frozen, only $400 would be charged.

The maximum daily charge for Masterbreed services is $650.

"So far the transfer has been a success because the flushing went so well," Rohrer said.

Rohrer plans to continue studying embryo transfer in the next few years as well as studying reproductive physiology in graduate school.

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San Luis Obispo
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Special Buddies brings students disabled together

By Michael Stump
Staff Writer

Special Buddies, a program that pairs Cal Poly students with exceptional children and young adults as companions, is being administered by two Child Development majors for their senior project.

"Exceptional, means people who are physically or mentally disabled, the exception to the norm," said Baldwin.

"A student can be a Special Buddy providing they are a member of the Council for Exceptional Children (CEC), a national organization composed of parents, professionals, and students. Baldwin said the Cal Poly student chapter is devoted to three major goals: participation in the Special Olympics, the realization of the Special Buddies program, and a Poly Royal project.

"Members are charged a $20.50 fee. "The only other thing required is to fill out a form and attend the meetings," said Giamalis.

The meetings are actually training sessions that help the students to relate better to their buddy. The first session is a general awareness meeting that explores problems students might encounter.

Another session deals with resources in the community. Various community activities are encouraged for the pair. Trips to movies, playing in the park, and other social exchanges will be discussed.

"Communication counseling is an important function in the training sessions," said Baldwin. "Matching is one of the biggest problems," said Giamalis. "Some children require special transportation. We're asking a lot from the students."

"It takes an exceptional college student to do this," said Baldwin.

"I wanted to get students to appreciate some of the things that are presented uncritically, like psychic healing or witches, and have them become more critical observers," said Ryan.

The introduction to the course is devoted to the differences between science and pseudo-science. "The distinction is made on the basis of methodology, not the phenomena itself," said Ryan.

"It's not my purpose to try and change anyone's beliefs," said Ryan. "It's only going to antagonize students if we exert the information and let them make up their own minds."

"Psychopathology is another topic of discussion in the course. Myths about demons possessing people haven't been completely dispelled, said Ryan."

"But I use attitudinal and guest lectures for certain areas of the class, but I can pose a problem. Students often the lecturers may see the invitation not as a chance to tell about their work, but rather as an open invitation to criticize."

Characteristics of believers vs. non-believers are also discussed. "Females tend to believe in paranormal events more than males, younger people believe more often than older people, and people with high IQs seem to believe in more than those with low IQs," said Ryan.

"This last characteristic can be explained by the increasing sophistication of beliefs," said Ryan. "It's like the idea that people place in a belief that they're not doing anything. "I would like to see someone vehicle by which we could expose students to cultural diversity in the United States," he explained.

"I think the overall quality of education will be enhanced if students and faculty have the opportunity to see and interact with fine minds."

"Another concern of Houlgate's is the lack of recreational athletic facilities at Cal Poly, "The facilities here for the average student are miserable," he said.

Baldwin said she thinks there is enough need in the community for this kind of program. "We didn't send out fliers to schools because we were afraid the needs wouldn't be fulfilled."

"There is a minimum commitment of three months for the students. Baldwin said sometimes an emotional bond will develop. "It would be ideal if the relationship continues forever," she said. "Three months is the minimum commitment. We realize that we can only ask so much from students."

Baldwin has been at Cal Poly two years and has a Ph.D in special education, specializing in the severely handicapped.

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Late nights with coffee could lead to early death

by Susan Dethofsen  
next week

As you're reading this you may be sipping a cup of coffee or drinking a Coca-Cola. Or you may have just taken a test that you stayed up all night studying for, drinking coffee and popping NoDos so that you wouldn't fall asleep.

All that drinking gives something to think about: did you know that if you drink 75 cups of coffee, in 30 minutes you could die. Before you go trying to prove yourself to yourself that no one could drink that much, you should realize that this illustration proves one point: caffeine is powerful and is not good for your health.

Caffeine is a tasteless substance which is found naturally in plants such as coffee, tea, cola nuts, and cocoa beans. As a result it is found in products made from these plants such as chocolate, cola and other types of soft drinks. Some pain relievers and cold remedies also contain caffeine.

Caffeine is a stimulant. When consumed, it speeds up the heart rate, and stimulates the central nervous system and lungs. This is why one cup of instant coffee, approximately 50 milligrams of caffeine, will increase alertness, decrease drowsiness and insomnia.

Research has indicated that it may contribute to diseases such as cancer, ulcers and heart attacks. However, this has not been proven.

"A moderate amount of caffeine is okay," said Radtke. "but we (the Nutrition Education Program) don't promote it since there is really nothing good about it." In defining moderate, he said the body doesn't normally function in this way, caffeine is not helpful.

Extreme overuse of caffeine can lead to a new disease called Caffeinism, said Radtke. Symptoms include muscle twitching, sensory disturbances, heart palpitation, flushing, gastric problems, anxiety, rapid breathing and dizziness.

Heavy users of caffeine who give it up quickly will go through withdrawal. They might feel depressed, jittery, nervous and have headaches.

Besides the immediate effects felt by caffeine, research has indicated that it may contribute to diseases such as cancer, ulcers and heart attacks.

However, this has not been proven.

"A moderate amount of caffeine is okay," said Radtke. "but we (the Nutrition Education Program) don't promote it since there is really nothing good about it."

Defining moderate is hard to do because individual people react differently to caffeine, said Radtke. Some people can drink six cups of coffee and still sleep while others can't get to sleep after one cup.

The amount of caffeine in products varies depending on the manufacturer and how it is made, said Radtke. A five ounce cup of percolated coffee contains about 110 milligrams of caffeine, whereas instant coffee contains 33 milligrams. One ounce of milk chocolate has 6 milligrams and one ounce of baking chocolate has 35 milligrams in it. The average cola drink contains about 37 milligrams of caffeine while artificial stimulants such as NoDox contain about 200 milligrams.

More than 360 milligrams of caffeine a day is considered a large amount by some sources, Radtke said, and students can consume this much without knowing it. For example, a person who has three cups of coffee, two pain relievers, and a cola drink consumes about 500 milligrams of caffeine.

"Generally, if you can cut down on products with caffeine in them it would be better for you," said Radtke.

She recommends that a good way for students to keep going on those long nights of studying is to eat a more balanced diet. This along with getting enough sleep should keep students more vital so they don't need as much caffeine.
The Cal Poly baseball team alternately triumphed and suffered from its hot and cold offense.

Batmen lock horns with Toros

Most coaches and players readily agree that playing at home has its advantages over sitting in the visitor’s dugout.

The Cal Poly baseball team proved this last Thursday, when the Mustangs downed Cal State Dominguez Hills in a double header sweep, 9-2, 9-6.

The table was turned Friday, however, when the Mustangs traveled south to Carson—Toro turf. The nine game wasn’t exactly a slugfest, though, as the Poly nine lost the California Collegiate Athletic Association game 1-5.

The Mustang’s CCAA record is now 12-6, 14 games behind conference leader Chapman College (15-5).

Poly head coach Steve MacFarland attributed the team’s turnaround loss to a weak offense. Pat Esposti and Rob Lambert each singled, while Jeff Estabrook provided the squad’s sole double.

A bright spot in the otherwise dreary day was pitcher Greg Gilbert’s return to the mound. Gilbert suffered an injured ankle while playing basketball two weeks ago.

The Mustangs improved their offensive attack Saturday when they split a double header with the Toros. Cal Poly will get another chance to even themselves and improve their conference standing when they meet Chapman Tuesday afternoon in Orange.

The Mustangs are hoping to slide past conference leader Chapman College tomorrow and improve their CCAA standing.

Ultimate Frisbee club ousted by Cindy Blankenburg

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Ultimate Frisbee club ousted by Cindy Blankenburg

Cal Poly's Ultimate Frisbee club lost disappointing games at the California State Championships in Santa Cruz this weekend.

Poly lost close games to both Santa Cruz and Orange (County) with scores of 16-13. In it's second game, the Cal Poly club dropped a 15-7 decision to Stanford.

Coach Curtis Weeks said that in years past, the Cal Poly team hasn't done well in this tournament. The reason is that the members are students first and players second. Other teams that participate practice more and have access to better facilities, he said.

The game is played with seven players on each team. The members line up in front of their end zones and one person throws the Frisbee to a member of the opposing team, similar to a kick-off (in football), he said. A player can’t drop the Frisbee and he has to stop when he catches it and then throw it to a team member. The idea is to pass it to someone in the end zone and score a goal. The game is more or less self officiated. If there is a disagreement, a designated observer helps settle the dispute. The teams use a Wham-O 166 World Class Frisbee because it is the best around, Weeks said.

Ultimate Frisbee season runs from April to November. There is a tournament once a month on the West Coast, he said. On the East Coast, there are more.

The season was kicked off with an April Fool’s tournament. Cal Poly will be traveling to Stanford April 28-29 to compete in the Regional Intercollegiate Championships.

"It was great, we had a lot of fun," said team member Steve Torres, concerning the State Championships. "We should do a lot better (at the college championships). College teams are more our level of play.

Weeks said that because they aren’t a recognized team, they don’t have access to funding and they have to organize practices on their own.
The Week In Sports

Tue. April 24
Baseball
vs. Chapman College at Orange
3:30 p.m.

Men's Tennis
UC Santa Barbara at SLO
2:00 p.m.

All Day

Thur. April 26
Men's & Women's Tennis
Ojai Valley Tournament

Fri. April 27
Baseball
vs. Chapman at SLO
7:30 p.m.

All Day

Men's & Women's Tennis
Ojai Valley Tournament

Rodeo
at Cal Poly

Sat. 28
Men's & Women's Track
Poly Royal Invitation

All Day

Men's & Women's Tennis
Ojai Valley Tournament

Rodeo
at Cal Poly

12:00 noon

Baseball
vs. Chapman College at SLO

12:00 noon

All Day

The Cal Poly men's and women's tennis teams will join forces this weekend when they compete in the Ojai Valley Tournament April 26-28.

Sun. April 29
Men's & Women's Tennis
Ojai Valley Tournament