Campus sustainable farm puts ‘the culture back in agriculture’

A student club uses animal waste, garden clippings and dead chickens to make fertilizer at a 1 1/4-acre farm near the dairy unit.

By Amy Alonso
Staff Writer

A small group of students have taken Cal Poly's excess manure into their own hands, along with a few dead chickens.

The two were taken by the students for the sustainable agriculture club's solid waste management project at Cal Poly's sustainable farm.

The 1 1/4-acre farm, located behind the dairy unit, lets students work to put the "culture back in agriculture."

"A lot of the culture in agriculture has been replaced with business," said club president James Johnson, a soil science graduate student.

One of the club's goals is to bring back some of the social and ecological qualities back to agriculture, while continuing to make economic gains.

Farm manager Maz Fawzy, an international agriculture graduate student, said, "The farm shows you the real world and how it really works." — political science senior Lora Deily

"You're learning real job experience you just don't get in school," construction management senior Les Noy

"I loved my work. It really confirmed I was in the right major, the right concentration," — business senior Amy Fordham

Living the Cal Poly motto, learn by doing, these students are all talking about their Cooperative education (Co-op) jobs they held last year.

More than 900 Cal Poly students a year participate the university's Co-op program, one of the largest Co-op programs of any university on the West Coast.

What is Co-op?
A) Working for companies like Walt Disney, IBM or USA Today.
B) Working for government agencies like the U.S. Forest Service.
C) Working for small businesses, such as law firms, accounting firms or architecture firms.
D) Getting college credit and getting paid for it. E) All of the above. Try E.

"It is the opportunity for a student to go out for six months and integrate what he/she learns in the classroom with the real job world," said Martin Shihata, assistant director of Cal Poly’s Co-op program.

According to Shihata, a Cal Poly Co-op is billed as a paid work assignment that usually comes even more jarring when the possibility arises that one of those children could be something more than just a nameless victim.

He or she could be a relative. — political science senior Lara Daily

See FARM, page 12

Schools battle engineer shortage

NSF-funded coalition wants kids to stay interested in science and math.

By D. A. Arviso
Staff Writer

A National Science Foundation study projects a national engineering school enrollment decline of 33 percent that will result in an labor shortfall in the technical industries by 2010.

A proposal to combat the shortfall will be the topic of a NSF coalition meeting on March 1.

"The shortage has national security implications," said David Cantu, Minority Engineering Program director. "You must have U.S. citizenship to work with weapons and research in national labs. We won't have anybody to do the work with a degree."

The NSF coalition represents Cornell, Hampton, Iowa State, Southern, Stanford, Tuskegee, Berkeley and Cal Poly's science senior Lora Deily

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He or she could be a relative. — political science senior Lara Daily

See FARM, page 12

Club helps students with ties to Israel

By Joe Tarica
Staff Writer

"We see pictures of Israeli children. They walk to school with a lunch pail in one hand and a gas mask in the other."

Images such as that one, described by landscape architecture sophomore Warren Leiber, have become a clashing reality with the effects of the war in the Persian Gulf.

Those images, however, become even more jarring when the possibility arises that one of those children could be something more than just a nameless victim.

He or she could be a relative. — political science senior Lara Daily

See HAVERTM, page 9

Co-ops exemplify Poly's 'learn by doing' tradition

The work program allows students to find out if they like their chosen profession.

By Anne Bails
Staff Writer

"Being an attorney was very different than I thought. It shows you the real world and how it really works," — political science senior Lara Daily

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See CO-OP, page 12
U.S. should be in Kuwait

In person. Please. Who has spilled blood for us? Hussein. He spilled Kuwaiti blood and Iraqi blood. Who was next? Saudi Arabia?

If a mass murderer dictates New York City, should you be indifferent just because you live in Los Angeles? The world today is too small for us to be isolationists.

This current Gulf Crisis, with a response of coalition forces deployed in Saudi Arabia, has set an encouraging precedent for global cooperation. Such cooperation must fomeshadow any lasting peace. Just as the United Nations and allied forces in the U.S. cooperate in the dangerous but necessary task of apprehending criminals, so must world governments unite to ensure that butchering a country is not tolerated.

Don't be a coward. Invest in the future of humanity while there is still time. Support the humanitarian aspect of the war and the prosecution of Hussein.

Lyenne Hannah Mathematics

Pedestrians don't feel safe

They are a lot bigger than I am. They are alsoFLOWERS REBUKE

reducing my body to a pile of quivering pulp in the middle of the road. That is if I even make it off the curb. What I'm talking about are cars.

Pedestrians know which ones I'm whining about. These are the cars that speed up to make a right through the crosswalk just before you get within a foot of them. Because I live on campus, and I'm aware of the current gas crunch, I realize that the most economic way of getting to class is on foot. Come on people! I have worked hard to go to this school, let me make it to class alive. I have the right of way. You are supposed to yield to me. Don't get me wrong here. I'm not on some kind of power trip. I just want to cross the street with a relative sense of safety. I apologize if I am being too idealistic here.

Leave a little earlier. Let us pedestrians cross without fear in our hearts. Give us a break. Get it? Break?

Melissa Burnley

History

LETTER TO THE EDITOR

U.S. cannot underestimate the effects of their actions

By Steven T. Jones

The war against Iraq and the "War on Drugs," these two battles have taken center stage on the national agenda since George Bush took office.

Both wars have been very popular with the largely conservative American populace and both vividly illustrate America's most fundamental problems: our shortsightedness and the tendency to let our ethnocentric bravado get in the way of a rational approach to the problems that face our nation.

Both Iraq's invasion of Kuwait and the presence of many in the country were problems that our American leadership responded to with massive, immediate and punitive action. The idea seemed to be, "If we are committed enough to destroying this menace and we throw enough money at it, then the problem will be solved." Yet if we rationally look at these two examples, we will see that our efforts carry a great cost and ultimately won't achieve positive, long term results.

Widespread drug abuse in this country is a social problem, yet drugs and drug users have been labeled as enemies of the American public. Constitutional rights, privacy, freedom from illegal searches and freedom from the arrest of personal property without due process of law all have been set aside in the interest of ridding America of this menace.

Destroying this enemy is impossible because this enemy is large segments of the American populace. As a result of our ethnocentric bravado, it is easier to see drugs as an invading enemy that will conquer America if it is not stopped. Rather, we view as a problem that we as a society, a collective whole, need to figure out and solve.

The solution is not simply filling the prisons with Americans who seek to either profit from this lucrative industry or indulge in physiological escape from everyday life. The United States already has a higher percentage of its population in prison than any country on earth. Yet the "got tough on drugs" politicians seek to solve the drug problem by arresting more people and building more prisons. They refuse to concede that maybe an individual who wastes his life on drugs is less of a hindrance to the progress of society than someone behind bars living on the taxpayers' dollars.

Eventually people must realize that drug use is a social problem, not a legal one, and should be dealt with in conjunction with the interrelated problems of poverty, homelessness, unemployment and a lack of opportunities available to our country's lower class. Drug abuse is merely a symptom of larger social ills that deserve more attention from our society.

It is not the menace of drugs that will destroy society, but the inability of our civil liberties that is brought about by seeing social problems as "enemies" to be stomped out at any cost.

The war against Iraq employs much of the same chest-beating and shortsightedness. Destroying Iraq/liberating Kuwait will not solve the problem of insecurity in the Middle East. By rational means we assume that war will help to stabilize this region, an area long characterized by political uncertainty and civil war. What will be the long-term impact of American intervention in this region of instability? War, per se, doesn't serve any constructive purposes, only destructive ones.

Milosevic is dead. It is certainly a step forward as far as the aggression of its neighbors who have designs on the oil-rich territory. Syria, Iraq and Turkey are all longtime enemies of Iraq that would love to stake their claim on territory in the vanished country. The only alternatives are a U.S. military presence in the region for years to come or the establishment of a U.S.-approved regime in Baghdad. This regime would then need to have its military built up to defend its borders, which would lead us down the all too-familiar path of repeating history once again.

If there are any lessons to be learned from the crisis in the Middle East, it should be not to arm unstable, Third World countries and not to be so dependent upon foreign oil.

Yet, experts predict that 1991 will be a record year for American arms dealers seeking to meet the demand by Third World countries for the latest missile technology and military hardware. Bush's proposed energy policy for the next fiscal year will keep America enslaved by its dependence on fossil fuels with virtually no mention of developing renewable energy sources such as solar, wind and biomass technologies. Our mineral refusals to see and always for the coming of the end of the petroleum era, which will occur sometime.

Because of our incredible shortsightedness, we refuse to learn these lessons, and because of our ethnocentric bravado, we can't even see that there are lessons to learn. "We went in and kicked butt," or "We did what needed to be done," or "We won, that's the same," seems to be a common attitude with the American populace. It is this attitude that leaves our minds to the possibility that, in spite of the achievement of the desired end, our means still may be flawed.

George Bush will be long out of office, his place in history firmly set, when our children inherit the devastating legacy of the current government's failure to plan for the future and the political precedent that might be, when it is U.S. might, does make right.

The only way to save the world and the American people from this new, and extremely dangerous, brand of ethnocentric bravado is through the recognition of this problem. We need to realize that we, as fallible human beings, make mistakes. We really don't know what's best for everyone on earth.

We should offer fewer ultimatums and promote more dialogue. We should hate less and love more. We really don't think of the future, not merely the present. We should realize war doesn't lead to a lasting peace, only peace leads to lasting peace. We should help our criminals reform themselves, not simply lock them up.

Just imagine if there was never a war, injustice, intolerance and hatred, that doesn't mean that these things were always there. The status quo isn't acceptable and the "new world order" looks too much like the old world order. It's time for a change, time to start moving, time to begin a new world, time to change our thinking before it's too late.

Steven T. Jones is a senior staff writer for Mustang Daily.
Gorbachev fires back at political foe Yeltsin

MOSCOW (AP) — President Mikhail S. Gorbachev fired back at Boris Yeltsin on Tuesday, saying his political rival is not working toward "the goals of perestroika," Yeltsin reported.

Gorbachev, speaking to tractor factory workers in Minsk, made his first public comments about Yeltsin since the Russian federation president called for the Soviet leader's resignation a week ago.

Gorbachev got an earful of complaints about the economy from workers at the Minsk Tractor Works in the Byelorussian capital. He also said he would spend two of his three days in the republic, visiting areas contaminated by the 1986 Chernobyl nuclear power plant accident.

Kuwait City liberated as Iraqis scatter north

DIHAFAN, Saudi Arabia (AP) — Under American and allied fire, Iraq's beaten army streamed north Tuesday in a headlong flight homeward, abandoning Kuwait City to its day of liberation after a long, dreadful, bloody night of occupation and war.

"We're going to ... attack and attack again," a U.S. general vowed as Marines charged toward Kuwait City airport, and point units attacked, a U.S. general vowed as Marines charged toward Kuwait City airport, and point units attacked.

Police urge suspecté! of six victims to turn himself in rather than add to his list of six victims, and at the same time fielded the impression many people have about Oakland's police.

"He is trying to save the remnants of power and control in the Middle East by every means possible," Bush declared. "And here, Saddam Hussein will fail." Pounded by air and ground attacks, Saddam Hussein's shattered army was too high a price.

Bush says Hussein is not interested in peace

WASHINGTON — President Bush sternly vowed to press the war against Iraq "with every means possible," Bush said. "And here, Saddam Hussein will fail." Pounded by air and ground attacks, Saddam Hussein's shattered army was too high a price.

Police urge suspected thrill killer to give up

SACRAMENTO, Calif. (AP) — Detectives appealed Tuesday to a suspected thrill killer to turn himself in rather than add to his list of six victims, and at the same time fielded the impression many people have about Oakland's police.

The killer has struck shortly before midnight each of the past two Tuesdays, murdere...
**Women's tennis gets 5-4 win over No. 1-ranked UC Davis**

Patricia Allen
Staff Writer

Cal Poly's women's tennis team triumphed in their greatest challenge Sunday when they best top-ranked UC Davis, 6-4.

After downsing No. 2-ranked Cal Poly Pomona on Friday, Cal Poly will now move into the top spot in the national Division II rankings.

But Sunday's match was not an easy one for some of the singles players. Erin Green struggled with Reagan Solt in the longest singles match of the day. Green lost in three sets, 6-3, 4-6, 2-6. At No. 1, Vicki Kanter lost her match to Alison Vidal, 3-6, 2-6, and Julie Ciancio lost to Heather Kestner-Maze, 6-4, 1-6.

The Matano sisters had easier times with their opponents. Debbie shut down Christy Polk, 6-2, 6-2, and Tracy beat Nena Naik, 7-5, 6-1. Head Coach Kevin Platt said Lean and both Matanos played well. Doubles was also a rough ride for the Mustangs, where the No. 1 duo of Kanter and Ciancio lost to Vidal and Solt, 4-6, 4-6. The Matano sisters won their match 6-3, 6-4, thus tying the contest at 4-4 and restoring the burden of victory on the shoulders of Green and Lean.

"The match came down to the No. 2 doubles," said Platt. "Alison and Erin battled back after losing the first set. They broke serve at 3-3 in the third set, and they then held serve and broke again for the match," he said. Lean and Green won the match, 3-6, 6-3, 6-3.

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**WORLD**

From page 3

Iraq's President Saddam Hussein sought to label the withdrawal a "victory." President Bush called it an "outrage" and said Saddam was trying to hoodwink onto "the remnants of power."

"Salaam! Salaam!" — "Peace! Peace!" — hundreds of surrendering Iraqis shouted as they raised their hands to advancing troops.

More than 30,000 Iraqis have now been taken prisoner, the U.S. command said.

And among Kuwaitis, the word was "freedom."

"Our joy is overflowing; thanks be to God," their exile radio declared. "The enemy is turning tail."

Flashing V-for-victory signs, jubilant Kuwaitis emerged from their homes Tuesday to greet the first outsiders to venture into their burned, looted city.

People ran up to hug and kiss triumphant American soldiers who punched 50 miles north from Saudi Arabia in a three-day

---

**STATE**

From page 3

each case, but investigators say they believe the gunman is killing for the thrill of it, not to conceal robberies.

"We feel the motive was psychological," Sacramento County Sheriff's Lt. Ray Bland said Tuesday, adding, "We believe he's still in the area. It's a very frustrating case."

The two previous triple murder cases took place in businesses about a mile apart in a normally quiet middle-class suburban neighborhood of Sacramento about 10 miles northeast of the state Capitol.

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24 HOUR GYMS OF CALIFORNIA
DRIED UP FUNDS

Cal Poly clubs and organizations feel the pinch as they lose their best fund-raising event ever.

By Sabrina L. Garcia

"It's easy to make money when thousands of people are right in front of you. Now we all have to concentrate on marketing and being more creative."

— James Fitzgerald

S

omething is missing. At this time last year, Cal Poly clubs and organizations were scrambling around preparing for the largest student-run open house nationwide. Meetings were being held once a week. Booths were being painted. Displays were being made.

Now, there is no scrambling, no meetings, no booths and no displays for the major event.

Instead, the memory of shattered windows, flying bottles and police officers in riot gear comes to mind. A 58-year tradition was put to rest last April, "President Baker has pretty much banned Poly Royal," said Interfraternity Council President James Fitzgerald, a construction management senior. "Nothing is going on that weekend."

"It was a lot of fun, and that's the part people are right in front of you. Now we all have to concentrate on marketing and being more creative."

— James Fitzgerald

For clubs like the Society for the Advancement of Management, the cancellation of Poly Royal already has placed a strain on budgets.

"Not having Poly Royal takes away from the services we can do," Christianson said. "We're fortunate that our sponsoring club, the Kiwanis, helps us out a lot. We were used to earning a couple of thousand dollars in one weekend, now we have to do several events."

Stefan Bederski, a food science junior and president of the Latin-American Student Association said his club is sad about the cancellation of Poly Royal.

"Last year our club was just getting started, so we had never participated in Poly Royal before," Bederski said. "We built a real nice booth, and we sold T-shirts. We were used to earning a couple of thousand dollars in one weekend, now we have to do several events."

"As a businessman I will definitely miss Poly Royal," Travis said. "But I hate to see them go ahead with it and have another brawl."

"It's easy to make money when thousands of people are right in front of you," said "We (the university) asked every school to work on putting a program in place of Poly Royal. The events will be small and more personal in nature."

In spite of smaller programs, Ken Barkley, the director of Student Life and Activities, said nothing is planned come Poly Royal. "If a club was not going to Poly Royal," he said, "we had never participated in Poly Royal before," Bederski said. "We built a real nice booth, and we sold T-shirts. We were used to earning a couple of thousand dollars in one weekend, now we have to do several events."

"The cancellation of Poly Royal already has placed a strain on budgets."

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Bederski said his club has done a few fundraisers this year to make up for what they would have made at Poly Royal. "We've got a few, but we're really going to miss Poly Royal. Not only because of the money but because we got to work together and we got real close. It was a lot of fun, and that's the part..."

Sabrina L. Garcia is a journalism senior with a concentration in public relations. This is her second quarter reporting for Mustang Daily.

"This year we've tried alternative things," LaBelle said. "But they aren't going over as well."

Circle K President Drey Christianson, a civil engineering senior, said his club is getting used to planning lots of small events. Traditionally, Circle K puts on the pancake breakfast on the Saturday morning of Poly Royal. The breakfast usually brought in about $2,000.

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Alberto Reano (left) works on an architecture project 10 p.m. in the Engineering East building.

Ben Mussen, Elayne Takemoto, Brian Cornellison and Amy Alexander (right) show the backs of Backstage Pizza at 10:45 p.m.

The score of the pick-up game (far right) was 10-6 at 10:37 p.m.

Heather Crosskill and Brooke Claibourne (below) crash down on studying at 10:25 in the Cellar.

--- Photos by Simon Sn

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SCIENCE & AG

From page 3

Central Coast. More than 1,000 people were at the show each day.

The increasing numbers attending the show has become our biggest challenge. Our facility is maxed out," Hall said.

That is also the reason the show must be limited to beef cattle, he said.

Hall said his biggest dream for the show is to hold it at Cal Poly. "Unfortunately we don't have the facility right now," he said.

Showmanship, animal evaluation and fitting contests were the three types of events offered to exhibitors. Showmanship is where the exhibitor is judged on how well they present their animals.

The evaluation classes rate the quality of the animal itself. Fitting contests were held in groups of three. The groups were judged on their teamwork, the grooming of the animal and safety in handling the animals.

Five to 12 animals were entered in each of the several classes held for the three events. Steers and heifers were shown in separate classes.

The show is a nonprofit project for Cal Poly. The $25 entry fee went towards expenses and premiums for first and fourth place winners.

Students who ran the show are enrolled in a livestock show management class taught by Hall. The class was started two years ago so that planning and organization for the show would be more structured, and students could take on more responsibilities, Hall said. The class emphasizes the management involved in operating a livestock show.

Most of the students have had previous experience showing animals or working at fairs, Hall said. Some plan to be involved with the fair industry after they graduate.

Agribusiness senior Robyn Kelly, one of the show managers, felt that having previous showing experience helped in the planning of the show. She said knowing what type of problems come up while exhibiting allowed her to know how to better help the show's exhibitors.

"We tried to assist the exhibitors more," Kelly said.

Entry Chairman Deirdre Flynn, an agribusiness sophomore, said "The parents of exhibitors were very supportive, and they gave us suggestions to help us out."

Flynn, who has shown animals in the past, said that while it was fun to be on the other side of the table, it was hard having the responsibility of answering all the questions. Hall's class will spend the rest of the quarter thanking sponsors, sending premium checks to winners and writing reports on what can be done to make next year's show an even bigger success.

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Please stop by our information session on Thursday, February 28, in the Staff Dining Hall, Building 19/Room C, at 6:00pm.

Career & Co-op interviews will be held on Friday, March 1, at the Cooperative Education & Placement Services Center.

For more information, see us at the Career Symposium on February 20.
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From page 1

For some students in the Haverim Jewish Cultural Exchange, the war with Israel has been a long way away for some. For others, it has been very close. Haverim president, said organization’s efforts to keep members informed or help them in any way.

Although he does not have a fiancé, Leiber said his organization’s efforts focus on the need of those students with relatives in Israel.

"Everyone’s nervous but OK," he said of his fiancé’s relatives.

"People that you talk to are the same, generally what’s the way of life," Leiber said. "The fear of attack has become second nature."

"Leiber called the Israeli war experiences a "high-rolling emotional treadmill."

"Israel is a very nervous people because they’re surrounded by Arab countries," he said. "They’re used to it."

Since the beginning of the war, Leiber said he has seen an increase of interest in the organization among Jewish students seeking both emotional support and a forum for ideas.

"What we’ve basically doing is supporting those students who need that extra help at this time," Leiber said. "We also are able to provide ways that they can get out of help through the two temples in town."

As the war has progressed, Leiber said Haverim has held discussions and invited speakers to provide information for concerned students. One guest who spoke was the members was Poly Cal Poly business professor Bemi Shein, who is from Israel and could describe what life there is like.

"We talked about the war — concerned issues," Leiber said. "It helped us to get through the happiness.

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"People that you talk to are from there — generally what the way of life," Leiber said. "The fear of attack has become second nature."

"Leiber called the Israeli war experiences a "high-rolling emotional treadmill."

"Israel is a very nervous people because they’re surrounded by Arab countries," he said. "They’re used to it."

Since the beginning of the war, Leiber said he has seen an increase of interest in the organization among Jewish students seeking both emotional support and a forum for ideas.

"What we’ve basically doing is supporting those students who need that extra help at this time," Leiber said. "We also are able to provide ways that they can get out of help through the two temples in town."

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whose normal active membership stands between 20 and 30 people, Leiber said the increase was "amazing."

"We’re trying to see the new students coming and identifying themselves," he said. "Whatever their purpose in coming, we’re glad to have them. We welcome them."

Leiber said the attitude of club members generally followed trends throughout the nation with a majority supporting the war.

"Many Jewish students are very torn," Leiber said. "They hope Israel will stay out of it and that the SCUD missile attacks will stop."

Along with the SCUD attacks come the fear of possible chemical bombardments, another big worry for Jewish students, Leiber said.

"This is just like a reoccurring nightmare," he said. "Whatever the threats, it has to be something.

Avissar, the magnitude of the situation never goes away, even though the shock seems to lessen as the days pass. "We still think about it every day," she said. "You still worry about it. It helps just having other people who are in the same situation."

"We are all just trying to provide comfort. It gives a real sense of support from Haverim and I love the Cal Poly community for good business."

Tony Ortali. "I’m a Cal Poly alumnus, and I love the Cal Poly royal. It’s unfortun"...
SHORTFALL From page 16

engineering schools. Each school received an NSF grant. The NSF proposal has two goals. The coalition will reshape engineering education and increase the quantity and quality of engineering undergraduate studies.

The first proposal involves engineering preparation in grades K-12. Engineering officials view education as a pipeline leading to students interested by math and science go down from there.

Butler said. "They are very high in math and science courses. MESA students have the prerequisite skills to get through the class they hope to be in," said Arthur DeKleine, math professor and MAPE coordinator.

The free exam is given during the registration period each quarter. Students may take the exam as early as two quarters before enrolling in the class or during the first week of classes.

The tests were constructed by the California State University, University of California Mathematics Diagnostic Testing Project, which is made up of California college faculty. A majority of the math departments at CSU and UC campuses require students to take the MAPE, DeKleine said.

Cal Poly gives two MAPE exams. One to test intermediate algebra skills and the other to test pre-calculus skills.

On a 45-question exam, students must receive a score of 25 or better on the algebra exam or a score of 26 or better on the pre-calculus exam to be eligible for the class, DeKleine said.

"At Cal Poly we are willing to give students a chance," he said. "Pomona requires students to pass the test in order to be considered." Since Cal Poly offers so many math classes, some students think the test is a waste of time.

Agribusiness management sophomore Steve Dinelli said "I think the MAPE is a waste of time because people that have not had math in a long time could not pass the test and will remember after following the advice. They might not pass the board in class for a few days."

Dinelli took Math 116 last spring, before passing the MAPE was mandatory. Although he failed the MAPE, he was allowed to stay in the class and pass the test before fall quarter begins.

The department realizes the test may eliminate a student who could pass the class and will sometimes allow a student to enroll in the class. But statistics have been kept for several years. Test scores are an indicator of the final grade the student will receive.

Concerned must be given not only to the taking of the MAPE but also to other students in the class, the faculty and the taxpayer, he said. "I believe success rates will go up this year." DeKleine is an optimist. He said the number of students who would have normally failed were not allowed to take the course this year.

Graduate student and math instructor Denise Tobias said "The MAPE scores generally reflect the ability of the students. The students who passed the MAPE would have normally passed the course."

The MAPE is a different exam than the Entry Level Exam. Students must satisfy both requirements before enrolling in a math class.

By summer 1992, the CSU system hopes to increase the level of difficulty to test for intermediate algebra skills. But students are not given the MAPE because the test is too difficult.

Declaring that the allies were advancing faster than expected, Bush proclaimed, "The liberation of Kuwait is closer than ever."

In a radio speech, Saddam said he had ordered his troops to withdraw.

Bush dismissed that in a terse and unyielding statement in the Rose Garden, saying, "He is trying to claim victory as the counterpart of our defeat."

"The purpose of the MAPE is to determine whether students have the prerequisite skills to get through the class they hope to be in," said Arthur DeKleine, math professor and MAPE coordinator.

The MAPE helps you decide what class to take. It gives you options of what you are qualified for and a general idea of how well you will do or how much you have to review," DeKleine said.

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Cancer Society asks for help

The San Luis Obispo Unit of the American Cancer Society needs volunteers to implement its programs. Volunteers are needed for programs, events, and general support. For more information, call 543-1481.

Registration info offered for voters

Monday, March 11 is the last day to register to vote in the City of San Luis Obispo Special Election to be held Tuesday, April 9, 1991. Affidavits of registration are available at the Community Pool in Paso Robles and City Hall, depository in the hallway.

GLBU sponsors breathing class

The Gay, Lesbian and Bisexual Unit of the American Cancer Society is sponsoring a "Healing Breath Workshop." This two-day workshop is designed to help people get in touch with their higher self while eliminating self-sabotaging habits. The power of circular breathing causes a profound release, relaxation, release, and renewal of the human body, mind, and spirit. The workshop is offered on March 12 and 13 from 10 a.m. to 5 p.m. on Saturday and from 9 a.m. to 6 p.m. on Sunday. Space is limited, so call to reserve a spot. Call 542-8514.

Lifeguarding workshop held

The Red Cross will be offering a course in basic lifeguarding, March 2 to 16 at the Community Pool in Paso Robles at 28th and Oak. The class will be held on Mondays and Wednesdays from 6:30 to 9:30 p.m. and on Saturdays from 9 a.m. to noon. Basic lifeguarding training will provide the minimum skills training for an entry-level lifeguard with emphasis on swimming, rescue, and guard training. Students must be 15 years of age or older and be the beginning of class and be able to swim 50 yards continuously (50 yards each of crawl, breaststroke, elementary backstroke and sidestroke), surface dive to 9 feet and bring up a 10 pound diving brick, surface dive to 5 feet, swim a minimum of 15 yards underwater and tread water for one minute. In addition, before being certified, you must show a current card in new Standard First Aid and equivalent. The course length is 18 hours. A written test with 80 percent and successful completion of a final skill test is required for certification. The certificate is valid for 3 years. The pool fee is $20. Students can preregister and pay with a check for $10.45 at the San Luis Obispo Red Cross. For further information, call 543-0086.

Estee class offered for kids

A workshop for parents entitled "Building Self-Esteem for Yourself and Your Child" will be held on March 7 from 7 to 9 p.m. in the boardroom of the County Superintendent of Schools Office in SLO. There is a $10 fee per family. Scholarships are available. For more information, contact the workshop, call 543-7732, Ext. 256.
**CO-OP**

From page 1

lasts six months but can last as long as a year or as little as three months. Pay for Co-op students is at the employer's discretion and ranges from $7 an hour to $15 an hour. Students also earn college credit for going on a Co-op. It is a recognized part of the curriculum for any major at Poly. "Co-op is a great hands on experience," said construction management senior Lou Noy. Noy interned as a project management intern at Walt Disney Imagineering in Glendale during last spring and summer quarters. Noy made $2,000 a month. "It was work in developing a construction program for a Disneyland attraction."

Cal Poly's Co-op program started in the School of Engineering in 1968 and has since become a campus-wide program. There are five coordinators that place students of every major in Co-ops across the country and even overseas.

**Who Is Eligible for Co-op?**

The bare essentials for students to do a Co-op are that they must be a sophomore, must have coursework remaining after the Co-op and must not be on academic probation. "I've worked with a student with just above a 2.0 point GPA," said Jim Miller, Co-op coordinator. "He was harder to place, but it wasn't impossible."

Miller said he doesn't discourage students with lower GPAs from going on a Co-op. He does recommend they start early. "It might not happen the first quarter they're interested, but those who hang in there get good Co-op positions," said Miller.

Shibata agreed and added, "We have a high-quality student here, and a 2.6 GPA could easily equate to a 3.0 or higher at another university. Prospective employers are going to take all the factors into consideration, not just the GPA."

**How To Find out about Co-op Opportunities**

There are three basic ways to find a Co-op: word of mouth; Co-op job bulletins; and postings and on-campus interviews. "I know someone who had come back from a Co-op at the law firm I wanted to work at," said political science senior Lora Deily. "I went to the Co-op office and they contacted the firm for me, helped me with my resume and I kept in contact with them until it finally came through."

Deily worked as a paralegal clerk at the law firm of Pillsbury, Madison and Sutro in San Francisco last summer and fall quarters. She was paid $1,200 per month. Deily says she had to be assertive and persistent to get her position.

Shibata suggests students start looking for Co-op jobs two quarters in advance. Students interested in government Co-ops should start looking as early as five months in advance. "It's never too early to get ready. You're at a disadvantage the slower you are," said Shibata. "But if you know of something or really want something, come in and see us, and we'll do what we can for you."

Co-op job bulletins are printed weekly and available at Chase Hall. Information sessions are held every Tuesday at 10 a.m., 2 p.m. and Friday at 11 a.m. in the Student Services Building, Room 224.

**FARM**

These goats at Cal Poly's sustainable farm show students the "integrative farming" relationship of animal and crop production. Their manure is used as fertilizer, while the animals provide milk and meat.

From page 1

is an excellent laboratory for animal and crop production. Their manure is used as fertilizer, while the animals provide milk and meat.

Animal waste, brush clippings, garden waste and dead chickens are a few things that can be composted to produce an earthy-type substance that can be used to enrich the soil as fertilizer. The composting process takes 90 days. At this time the farm has four compost piles 20 feet long, 4 feet wide and 3 feet high. The right mixture of straw and manure has been added with water to start a heating process. Piles are "buffered" at different times throughout the first 60 days. Johnson said the mixture heats itself up to 160 degrees, and all the pathogens (disease-causing bacteria) are killed. The last 30 days allow the mix to finish its cycle and cure to its final form.

Johnson said Monday night that he added a few dead chickens from the poultry unit to the compost piles. He said composting dead chickens is a good way for poultry farms to get rid of their dead chickens.

Pathogens from chicken droppings in the compost piles can cause ground water contamination. "There is tons of organic waste, and composting helps to bring it back to the farm," Johnson said. Composting is still in the pilot stage at Cal Poly, but they are working towards producing a "Cow Poly Compost" to sell to local farmers.

A bio-digester machine has been made from two all drums to produce methane gas. Biodegradable material and water is put through the digester, and the biogas is produced through anaerobic digestion. The gas could be used as a fertilizer or to power light equipment.

"Solid waste management brings back to the agriculture sector from the urban sector," said Tim Dolander, an international agricultural graduate student who started the project in the fall of 1999.

There is a diverse group of people involved in the farm. "We have broken down departmental barriers and have connected for- ces with other clubs on campus, such as an agricultural twist," Johnson said. The alternative energy club and the campus recycling coalition are two clubs working with the farm. Architecture students have recently added to the farm's alternative energy source goal by building a sun roof greenhouse on the farm.

There are goats on the farm to show the relationship between animal production and crop production, said Dolander. It illustrates integrative farming where the manure from the goats can be used for fertilizer while producing their own products, milk and meat.

One acre of the farmland has been planted for the first time since the farm began. Vegetable crops have been planted to enrich the soil. Construction of a resource center to house information on sustainable agriculture has just been completed. Johnson said the farm's workers are working to get funding to buy books for a library in the center.

The farm has been funded through grants from private donors who have been generous, Johnson said. "We are trying to fit demands of farmers in this county. We realize we can't solve all the world's problems, but we can address problems locally," Johnson said.

Anybody interested in sustainable agriculture is encouraged to attend the "Sustainable Agriculture" seminar from 11 a.m. to 1 p.m. April 6 in the Chumash Auditorium. Information on participating in work at the farm can be obtained by calling 756-5023.