Getting classes: when demand exceeds supply

This is the first of a three-part series on registration and scheduling difficulties. The series will cover problems and possible solutions to impacted classes, administrative policies and the difficulty of four-year graduation.

It is no secret that students at Cal Poly have been plagued with problems obtaining classes. Study lists arrive with few classes on them, and every quarter droves of students wait outside classrooms trying to add already-full courses.

Students and administrators say the lack of classes makes graduation in four years very difficult. Other problems voiced were the number of units required to graduate, archaic scheduling and CAR equipment, a slow add/drop policy and faculty understaffing.

In a Mustang Daily student survey, 89 percent polled say they have had trouble getting classes. More than 52 of the 100 surveyed say the most difficult time to add classes is between 10 a.m. and 1 p.m., while another 13 percent say they have difficulty during all time periods.

According to the survey, 58 percent of the students polled say general education classes are the most impacted, while 30 percent say they have trouble adding both general education and major courses.

Gerald Punches, Cal Poly registrar, says it is a problem of supply and demand. "We have the demand, where is the supply?"

The number of students trying to add general education courses is staggering. According to the Frank Lebens, director of operations in the Provost's Office, the backlog in the general education and breadth requirement area A courses could be as high as 5,500 students.

Area A courses include critical thinking, public speaking and argumentative writing.

In fall 1986, 1,400 students signed up for English Composition 114 while approximately 600 were accommodated, says Punches.

One of the problems is the delay in responding to the students' class demand. Executive Dean Doug Gerard says the Administration must request faculty and classrooms a year in advance.

Punches says CAR, Computer Assisted Registration, was installed in 1979 to register students and forecast class demand.

"The plan was, with the information available, the Administration could make a case and change the structure of the resources allotted to accommodate demand," says Punches.

Gerard says the state Department of Finance created a state formula to allocate resources such as classroom space and numbers of faculty for the entire California State University system.

However, with Cal Poly's impacted departments and emphasis on hands-on laboratory classes, the single state formula does not work to supply the proper amount of resources.

"The state treats all CSU's the same. Whether the formula is wrong or immaterial," says Gerard.

Even with the 12.4 new faculty positions scheduled for next year, the demand for classes will far exceed the supply. "Faculty allocation methods are not quickly responsive to change," Lebens says.

Mona Rosenman, English department head, says there is a two-year lag in responding to faculty needs. "Right now we are getting the faculty that statistics showed we needed in 1984," she says.

Problems of impacted classes are also augmented by the desire of students for classes at certain hours. Gerard says Friday registration, back page.

Impacted Classes:

When will it end?

Staff writers Brad Curtis and Susan Harris take an in-depth look at the difficulties of scheduling and registering for classes.

"We have the demand, where is the supply?"

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Sand-sational sand sculptures surround sun-lovers Saturday

Cal Poly engineering students Marcus Von Engel and Sheldon Gen carefully chisel details on their hand-packed pyramid during the second annual sand sculpture contest Saturday. Avila Beach was transformed into a fanciful scene of pirate castles, Incan ruins, a giant octopus and a Porsche as a result of the event, sponsored by the Multicultural Center. See story on page 3.

Shirley Thompson/Mustang Daily

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WEATHER

Some early morning low clouds and fog Tuesday morning clearing to mostly sunny skies with highs in the mid to upper 70's.

IN A WORD

horseshoe

WEATHER

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WEATHER

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Divestment: seen from both sides

By James L. Strom

..My comments in this column concerning total divestment by the Cal Poly Foundation are based on my corporate responsibilities as a member of the Board of Directors, which are separate and distinct from my other university responsibilities and my personal beliefs. I am sure that all of the board members would not totally agree with my interpretation of these board responsibilities nor with my university and personal beliefs, if they were to be delineated.

The issue of apartheid in South Africa is an area of increasing concern and warrants continued attention in the social and political realms and, where appropriate, in supportive economic activities. There is no disagreement that some action needs to be taken. But the greatest disagreements between the proponents and opponents on the issue of total divestment are most apparent in their interpretation and understanding of what are the responsibilities of a director of a non-profit benefit corporation and what the substance and form of the action should be by a non-profit corporation.

During my professional career I have served as both a board member and executive director of non-profit corporations both inside and outside higher education, and these were relevant as the current divestment policy was being developed last year. These policies specify that the Foundation will only invest in corporations that actively adhere to the six Sullivan Principles. These principles require non-segregation in all working, eating and living environments as well as equal pay and employment practices. I feel this policy provides the most appropriate action possible under the "prudent" policy.

Unfortunately, unanimity on a course of action probably will not be reached on this issue because there is room for interpretation and judgment by both the directors AND those seeking additional change with regard to corporate discrimination and prudent decisions. However, I feel the Foundation has addressed the divestment issue in a prudent and effective manner and has done so within the operating framework dictated to corporate directors.

The issue of divestment from companies doing business in South Africa has been the subject of heated debate on campus. Mustang Daily presents opposing views on the recent Foundation Board of Directors' investment policy vote on South African divestment. James L. Strom, vice president for university relations, offers his views along with history professor Quintard Taylor.

By Quintard Taylor

I am disappointed by the Cal Poly Foundation Board's 7-2 decision to retain investments in corporations doing business in South Africa. The Board's selective divestment policy tied to corporate compliance with the Sullivan Principles is simply not effective. The Principles, written by the Rev. Leon Sullivan in 1977, call for desegregation of all eating and work facilities, equal pay for equal work, management training for non-whites and support for schools and health facilities. The Board also urges corporations to work for the elimination of apartheid laws. This nine year policy has brought very little change to South Africa. The 161 corporate signatories to the Principles employ 62,000 black workers, less than 1 percent of the black South African workforce. Those workers receive, on average, 19 percent of the wages of comparable white workers while the employees of non-signatory firms receive 17 percent. Some corporations have built schools, housing and medical clinics. However, their efforts helped less than 1 percent of the blacks and they've had an unintended opposite effect of reducing the South African government's commitment to these programs.

Although the Principles call on American corporations to encourage the dismantling of apartheid, I am aware of only one corporate challenge to this system. Robert White, the chief executive of GM South Africa, earlier this year pledged that his firm's legal assistance to any of its black employees prosecuted for using the "white's only" beaches. However, South African officials made it clear White's pledge would not be tolerated and if necessary they would urge GM to leave the nation.

Even the Rev. Leon Sullivan now says that the Principles have not significantly improved the lives of the majority of South Africans. He announced in May 1985, "If grand apartheid is not ended by May 1987, I will urge all U.S. firms to leave South Africa and the United States should impose a full economic boycott." The Rev. Sullivan made this statement five months before the Cal Poly Foundation Board adopted the Sullivan Principles. Divestment would pressure the South African government. If most American or European firms withdrew, or threatened to leave, the government would face power sharing with the black, Asian and Cape Coloured populations.

Divestment makes economic sense. Three years of political unrest have eliminated the once attractive investment climate. No U.S. corporation has entered the nation since 1983 while 45 have withdrawn. IBM, one of the largest American firms in South Africa, is now considering withdrawing. Board Chairman David Ackers said at the annual stockholders meeting in April, "The whole thing (apartheid) is not coming down fast enough. If Mr. Botha sat down and started talking to the black leadership, that is the most encouraging sign you or I could see."

But I think the university is also compelled to make a statement that apartheid is repugnant, so morally bankrupt, that we will withdraw our investment until the U.S. firms leave or until the system is abolished.

Quintard Taylor is a Cal Poly History professor.

LETTERS TO THE EDITOR

Guest speaker mad
over parking ticket

Editor — I am writing this letter in regard to the policies of the Cal Poly Campus Police. A member of the faculty asked me to come and bring my 18-month-old son to talk with a child development class on May 19. May 19 I went to the campus police office and obtained a visitor permit for the following day. In regard to the policies of the Cal Poly Campus Police, I found a ticket charging me $10 (other than handicapped) was issued to a non-profit corporation. The ticket was for unauthorized parking ($5). I then returned to my staff space. Upon returning to my place I could find to park nearby small to walk a distance, the only place I could find to park near by (other than handicapped) was a parking regulation area of the campus police. Again, a good job on the art department. She rocks the mine for the afternoon secretary in the art department.

Donald Munro

Editor — I am writing this letter in regard to the policies of the Cal Poly Campus Police. A member of the faculty asked me to come and bring my 18-month-old son to talk with a child development class on May 19. May 19 I went to the campus police office and obtained a visitor permit for the following day. The day of the class, because of the obvious parking problem at Cal Poly and in dealing with a small child who is too big to be carried but too small to walk a distance, the only place I could find to park near by (other than handicapped) was a parking space. Upon returning to my car, I found a ticket charging me $10 (other than handicapped parking permit $10) and unauthorized parking ($5). I then returned to the police station with my ticket and went through the trouble of correcting the charge that I indeed had a visitor permit, and that I was a guest speaker asked by the university to come speak with a class, and that the remaining $5 should be voided. I was informed, however, that this was impossible. Although we had a wonderful time with the students, the whole experience was marred by the parking regulations of the campus police.

Consequently, I feel that since "visitor" permits do not include staff spaces, there should be a special "guest speaker" permit issued, in appreciation of persons who take time out of their busy schedules to speak to one of the university's classes.

MARI E McLAUGHLIN

Reader gets kick from Void humor magazine

Editor — I would like to express my appreciation and amusement in reading the latest Void. If "Steve Johnathan" changes his name again, I'll die. And speaking of dying, the name Huffergeil should copyright the last two lines of her reply to "Confused" — "Spam nobody. All must die. You have to admit, it has a ring to it."

I must say I was disappointed in being unable to find a page 77 in the Void where the listing of the sexiest Cal Poly secretaries appeared. I think my issue was missing some pages. However, if it's not too late to submit a vote, I would like to cast mine for the afternoon secretary in the art department. She rocks the Central Coast. Again, a good job on the Void.

SCOTT H. ROSSI
Marcos backers overrun police

MANILA, Philippines (AP) — About 3,000 supporters of Ferdinand E. Marcos overran riot police Sunday night and streamed onto the grounds of the National Assembly, where a Constitutional Commission they call illegal is to convene Monday.

Some among the jubilant crowd, shouting "Marcos again!" said they planned to spend the night to protest the commission, which is to write a new national charter.

Two police officers suffered minor injuries. No other injuries were reported.

The crowd first tried to block the building entrance, but moved 150 feet back on orders of the small number of soldiers guarding the door.

President Corazon Aquino abolished the 1973 constitution after taking power in February in military revolt.

Poles protest arrest of leader

WARSAW, Poland (AP) — Thousands of Poles demonstrated in Krakow and Gdansk Sunday to protest the arrest of Solidarity underground leader Zbigniew Bujak.

Lech Walesa, a founder and chairman of the now outlawed free trade union movement, urged Solidarity supporters to fill Bujak's place and carry on the struggle against "lawlessness" in Poland.

The demonstrations came one day after authorities announced that police captured Bujak, the most wanted fugitive Solidarity leader, who headed the union's clandestine Provisional Coordinating Committee.

Bujak, 31, has eluded capture several times since the December 1981 martial law crackdown that crushed Solidarity, the first independent union federation in the Eastern bloc.

Bank cards to be issued in China

PEKING (AP) — The Bank of China on Sunday began issuing cards that will be honored at the Diaooyutai state guesthouse and 35 other businesses, state-run television news said.

The brief report said the Long March cards, to be used to represent foreign exchange certificates, were issued by the Peking branch of the bank.

The cards apparently will not be available to most Chinese since they do not have access to the certificates, which are China's convertible currency.

The foreign exchange certificates, which can be used to purchase some scarce imported items, are mainly available to foreigners and Chinese businesses that earn foreign exchange.

China's renminbi currency cannot be converted, and a thriving black market exists for foreign exchange certificates.

Sand sculpture competition

BY JULIE ANNE LINTER

Sand, sunburns and creative design were all part of the second annual sand sculpture contest sponsored by the Multicultural Center Saturday at Avila Beach.

Pirates, pirate castles, Inca ruins and a giant octopus all took shape in front of curious beachgoers and sun worshipers.

The theme of the contest was "internationalism."

The event was open to anyone who wanted to participate. There were more than 40 contestants on 14 teams participating in the contest.

The participants competed for prizes in one of four categories: architecture, events, people and automobiles.

Prizes were awarded for first place in every category. Additional prizes were awarded to each of the remaining teams for their efforts.

At the end of a grueling day at the beach battling the sand, waves and gravity the winners of the contest were finally announced.

The first prize in the auto category was awarded to "Foreign Trade," a Porsche built by Rick and Nancy Walsh.

In the architecture category the first prize went to "The Inca Ruins," constructed by Cal Poly librarian Paul Adalian. For the events category "Heads Across Avila," a parody of Hands Across America designed by the Cal Poly Rose Float Committee, was the winner.

After lengthy consideration by the judges, "Arms Across the Beach," the happy octopus, designed and constructed by a group of architecture students, was determined the winner in the people category.

The entries were judged by four members of the Multicultural Center staff and were assessed on their application to the theme and category, originality, and the quality of craftsmanship, according to Juliet Hamburg, a staff member.

The purpose of the event was to get people to think about internationalism. "Sand is international...it is found on every beach in the world," said Paul Lewis, one of the event organizers.

The event is also held to make people more aware of the Multicultural Center, according to Kinley Wong.

Participants in the contest ranged from resident advisers of Yosemite Hall who tried to create a model of their complex in the sand, to a couple visiting from Las Vegas who tried to re-invent the wheel in honor of the Indianapolis 500.

According to John and Patricia Centhe, of Las Vegas, they just stopped by to look at the sculptures and buy one of the T-shirts that were given to each of the contestants. Instead they decided to stay and have some fun.

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By Paul Lewis

"Sand is international...it is found on every beach in the world" — Paul Lewis

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WOMEN AT POLY: A STUDY OF SELF

Cal Poly is the only California State University school without a women's study program. But some faculty members are working to provide a women's-centered perspective for a variety of classroom subjects.

By Lisa A. Houk

The idea of a woman-centered perspective is the starting point and backbone of a proposed women's studies program at Cal Poly.

"The probable women's studies program would allow and teach the faculty and students of this campus to place women at the center of different situations instead of always revolting around the male point of view," said Peggy Lant, an English professor and Cal Poly commissioner to the CSU Commission on the Status of Women. "The whole picture changes if every career and every major were to utilize a women's-centered perspective, and women would finally realize that it's academically sound to study themselves."

Cal Poly is the only Cal State University campus without a women's studies program and at the third conference on the CSU Status of Women held on May 10, the number one resolution forwarded to the commission was to mandate women's studies departments on all campuses. Currently, 300 women's studies programs exist in the United States, and all offer different curricula and various academic degrees.

"These statewide women's studies programs are good for all students because demographically the world is changing with women and people of color moving out of the minority categories," Lant said. "The college students are the ones who will have to go out in this multicultural world and with the education of a woman's studies program, they will learn to cope a little bit better."

Students are not the only ones who will benefit from a women's studies program, said Lant, because men and women faculty members will also gain new perspectives in the classroom.

"Women faculty have never really been permitted to study themselves academically and with a women's studies program they could take the time to study the women in literature, history, philosophy, science and all the other fields women tend to be overlooked in," said Lant. "With a women-centered perspective, the faculty in the male-dominated majors such as science and engineering would not ignore, but bring in more women speakers and learn to support the few women in these non-traditional majors."

The proposed women's studies program at Cal Poly would involve a women's studies curriculum, faculty development and funding for women's week. One way to set up the curriculum, said Lant, would be to offer an interdisciplinary minor. This probable women's studies minor would include 24 units. At least three core courses would be the center of the women's studies program. At the lower level in the division of courses, an introduction to women's studies class would provide a general education of women of the world, while a second course about women and creativity could become more specific, said Lant. In the upper division, a course on the theories of feminism could be incorporated to concentrate on women's issues.

"The hard part of developing a women's studies program is to branch out the courses and faculty within the various majors, mainly because of the extra time involved," said Lant. "The commitment is probably out there and we don't even know it."

"A great deal depends on the students and faculty and making the classes available. Right now, I'm just grateful for the support of my department and the prospects of a women's studies minor on this campus."

Recommendations made on funds for child care

By Taffy Renkowitz

Recommendations for university child care were submitted at the May meeting of the California State Students' Association.

According to a report by the CSSA Child Care Task Force, recommendations were made to the Board of Trustees for a program change proposal to be developed in order to provide a stable base of funding for children's center director positions, as well as for teachers and support staff.

CSSA is an organization consisting of one student representative from each CSU campus. The representative is usually the student body president of the school. The Cal Poly representative, ASI President Mike Mendes, said he believes CSSA is the best vehicle to find outside funding for the children's centers.

Mendes said he, along with Doug Watan, ASI government representative, worked hard lobbying CSSA to make child care a number one priority for funding. Without outside money and use it on other organizations, Mendes said, which would help keep fees low. "Katherine Danaher, acting coordinator of the Cal Poly Children's Center, said these new funds would be very positive in respect to the center's budget. The center has had problems in the past because its needs are so great, she said. "Child care is in real demand at Cal Poly. There are more than 200 children's names on a waiting list to get into the center, Denaher said, and there is no room to expand at this time."

Danaher said, "The Cal Poly area is in a real need. There are more and more people utilizing child care centers. With these funds, we wouldn't have to ask ASI for as much subsidy and the money would also help us to fund a larger center."

Mendes said ASI received more than 1,000 postcards from Cal Poly students to send to the state legislature in support of the center. "It's a lot like handing out stickers," Mendes said. "Sometimes a parent can be handicapped when there are closed doors," Mendes said, and no one to mind the children."

According to the CSSA report, "The Task Force recommends that the existing limitations on General Fund expenditures for children's centers be removed and that each president be given the discretion to fund the centers as he sees fit."

Free Ice Cream!

The ASI invites you to enjoy a free 12-oz. Carnation Ice Cream and listen to the sounds of "The Hype" at the ASI Ice Cream Social!

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TIME: Activity Hour (11 a.m.)

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The rock band The Alarm performed the 119th concert of their 120-concert tour Friday night at the Cal Poly Main Gym to a crowd of enthusiastic students.

But long before The Alarm and warm-up band the Long Ryders took to the stage, there were hours of preparation that went into the concert, such as unloading equipment and setting up the stage. Students in ASI Concerts Committee also play a big part in that time before the fans ever see the performance.

Only when everything has been set up and the sound-check completed, then the band is ready to play.

Although band members were not available for comment Friday, The Alarm guitar technician Simon Bain was able to give some insight on the band before the concert.

The Alarm started its "Strength" tour in November and has been on the road practically non-stop. It has also been an extremely physical experience for band members and roadies alike. The roadies adopt shorts and tank tops, as sweat and sore muscles come with the job.

The Alarm has achieved the reputation of a band striving for close contact with the audience and with the ability to stir the listeners. "We don't like having security running around on stage. We like the wild audiences," said Bain.

Bain said this tour has been much more successful than the "Declaration" tour. During the "Declaration" tour the band was just starting out and attracting a small following. This tour they've increased the following three-fold.

The band likes to change their set for every show. "It depends on the crowd," said Bain. "Before the show the band comes out to check out the crowd and then decides which songs to play."

"The stage show is basically the same tour as the last in the sense that they're still using acoustic guitars and harmonicas. The songs are just as political if not more so. But the songs are more personal now. For example, 'The Spirit of '76' is about Mike's earlier days back in 1976."

Calling the Cal Poly audience "medium sized," The Alarm prefers to play large clubs.

"It's a good atmosphere — the people are dancing and sweating and it's dark."
Academic Senate resolution
Free elective requirement lifted
By Joe Bislin

Free electives may be a thing of the past in many school departments following Academic Senate passage of a resolution on the topic last week.

Because of a divergence of opinion among departments on the necessity of maintaining the free elective requirement, the curriculum committee prepared two resolution drafts: one which removed the requirement, and one which would have precluded the Provost's Office from granting exceptions to the current Campus Administrative Manual policy. The senate opted for the resolution removing the strict requirement, leaving the decision to offer free electives to individual departments.

In the past, some departments with concentrated technical curriculums, such as mechanical engineering, had been granted exceptions from the Provost's Office to waive the nine-unit free elective requirement.

The number of exceptions requested has risen as additional General Education and Breadth (GEB) requirements have been added in recent years, because departments have been reluctant to replace technical courses with GEB courses in an attempt to remain under the total number of units required in a particular major.

Economics professor Tim Kersten explained his reasons for supporting the successful resolution: "It seemed reasonable to me to give the departments, who probably know what's best in their situations, the choice of what to do."

"I didn't see the point of making the departments jump through two or three extra hoops to get to the same point (getting an exception from the Provost's Office)," he said.

History Professor Barbara Hallman saw the issue differently. While acknowledging that departments were already able to get exceptions to the free elective requirement, Hallman preferred the extra barrier to remain in place.

"I'd rather have them get an exception every time," she said. Echoing the sentiments of other professors in the School of Communicative Arts and Humanities, Hallman said, "I personally would like the students to have some kind of choice about some of the classes they take."

Despite the debate, the resolution passed by more than a two-to-one margin, which was confirmed by a roll call vote.

Milk carton boat race canceled for lack of insurance
The Los Lecheros Dairy Club is stuck with 3,900 milk cartons after the traditional milk carton boat race had to be canceled because the group was not able to get liability insurance to cover the event.

The club, which has sponsored the race for the past eight years, had to cancel because of a lack of time on the part of the members as well as uncertainty about the availability of insurance for the event.

Los Lecheros did not have sufficient coverage under ASI to sponsor the race, according to Herman Rickard, the club advisor.

Because of the problems associated with liability suits, the club could not risk having the annual race without complete insurance.

Much of the fun of the milk carton boat race stems from watching several of the plywood and milk carton water craft — many of which students have been designing and building for the past several weeks — rapidly go straight to the bottom of the five-foot deep lake.

Rickard said the club has never had any cause for concern for the participants' safety in any of the past races and did not anticipate any this year. However, there is always a possibility something could go wrong.

See MILK CARTON, page 9
Project is economical, high-performance engine

By Stan Ernico

A Cal Poly student has designed a device which may allow a motorist to have an economical car with a high-performance engine.

Jon Heim, an engineering technology major, calls his senior project the "Heim Engine." He designed a valve which controls intake and exhaust electrically, instead of mechanically.

Electric valves would allow drivers to easily change the motor behavior, whereas a mechanical valve is permanent, said Karl Lilje, an engineering technology professor. Heim said, "The ultimate plan is for the driver to be able to do this with the touch of a button."

Heim said that currently motorists must sacrifice good mileage for high performance. This valve system would allow drivers to have the best of both worlds.

Lilje said Volkswagen is designing a similar system that isn't nearly as advanced as Heim's. Engine manufacturers such as General Motors and Ford are also testing this same system, said Heim, but this is a new idea and there is not much information out on it yet.

James Ehrenberg, Heim's senior project adviser, said the reason for this may be that information is being kept secret. "He is tackling a complex problem that I've never seen done before. I think he has a good start on the approach."

Astronaut's remains returned home

KAILUA-KONA, Hawaii (AP) — The remains of astronaut Ellison Onizuka have arrived in his native Hawaii for burial.

Family members and friends met the plane carrying Onizuka's body as it arrived at the Kailua-Kona airport on the island of Hawaii on Saturday. The remains, in a flag-draped casket, were then carried to the Onizuka family store in Kokoa.

Onizuka was killed in January along with the other six crew members when the shuttle Challenger exploded.

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Computers planned to ease library research

By Craig Andrews

A computerized catalog at the Robert E. Kennedy Library will increase circulation and make it easy to find research materials, a library management consultant said Friday.

Joseph R. Matthews, president of Matthews and Associates, located in Grass Valley, said the library should assign library staff members to serve library users — especially if people spend up to 10 minutes on card catalogs.

Matthews said the average time patrons spend at card catalogs is between 2.5 and 4.5 minutes. If library users search one area and the item they need isn't there, they walk away, he said.

Paul T. Adalian, head of the library reference department, expressed concern that there might not be enough terminals to serve library users — especially if people spend up to 10 minutes on a terminal.

Adalian said the computers in the reference department and at the periodicals desk are already crowded with users.

An on-line catalog has the power to search for author, title, subject and even phrases and key words.

Matthews said that even advocates having misspelled entries cross-referenced in the system, so if a patron misspells an entry the computer will still retrieve it.

The system could also be used for circulation data processing, making it more cost effective.

Students adopt quickly to using the new technology, Matthews said.

For reference faculty members, the library should assign library staff members to serve as "missionaries" for every department, Matthews said.

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Free busing
First year of free busing called successful

By Chris Meri Burks

As the first year of free bus rides for students comes to an end, both Cal Poly and the San Luis Obispo Transit office are calling the program a tremendous success.

James Landreth, vice-president of business affairs at Cal Poly, said he and a member of the Student Senate came up with the idea of free rides during a brainstorming session on ways to use the pressure on the parking system on campus. There are two indications that the free busing program has been a positive step in that direction, Landreth said.

The first is that the sale of campus parking permits has dropped, said Landreth. For the first time in several years, permits for fall quarter were not sold out, he said. Although winter quarter permits did sell out, there was very little excess demand. "Typically, we would have had about 2,000 over­run requests after they sold out," he said. Landreth attributes this drop to the increased bus ridership by students commuting to campus.

The other indication comes from parking surveys done by the public safety department, said Landreth. These surveys take into consideration several variables, including the time of day, the location of the parking lot, the weather and the day of the week. Landreth said this data indicates a significant increase in parking space vacancy rates over last year, and this, too, is seen as being directly connected to the increase in students riding the bus.

The transit manager for the city of San Luis Obispo, Nancy Knofla, said that during the past year, "We have had possibility the highest ridership increase in the country." Knofla said that from July 1984 to April 1985, approximately 260,500 people rode the bus. From July 1985 to April 1986, that number jumped to 382,000, roughly a 50 percent increase. "Most cities jump up and down if they get a 5 percent increase," she said.

Cal Poly students have not been solely responsible for that increase, however, Knofla said. Before the free rides became available to Cal Poly students, faculty and staff, students made up a little less than half the total riders. Currently, the percentage of student ridership has risen to a bit more than half. Knofla said, "This is a rippling effect, because the general ridership has increased this year.

Increased student usage of the bus system is expected to be a result of convenience rather than the fact that rides are now free. "I think convenience is the main reason. You don't have to mess with the 50 cents or the token or the pass. You just have to get your card out," she said.

To provide students with the program, Cal Poly paid approximately $49,000. Landreth said this money came out of the "fines and forfeitures" fund. When someone gets a parking or other ticket on campus and pays the fine, there is specific university legislation and policy, said Landreth, as to how that money can be spent. Half of it goes to cover administrative costs, and the other half has historically been used to develop alternative transportation projects, said Landreth.

The cost of the program was arrived at by Knofla's office by looking at student ridership for the previous year. Knofla said that the program made up about half of the total, the university should have to pay half the cost of running the system for a year. Because the bus system is subsidized by the city, the transit office pays only about 15 percent to 30 percent of the total cost, she said. Therefore, Cal Poly is paying approximately 15 percent of the total cost.

Because more students are now riding the bus, the price tag for next year's program will increase. "The program has been so successful that we might find ourselves in a financial bind," Landreth said. A point to consider is the inherent dilemma in solving the parking problem by subsidizing the free bus program: If more students ride the bus, and therefore less students get parking tickets, the "fines and forfeiture" fund that pays for the free rides will decrease.

At UC Davis and UC Santa Barbara, part of the student registration fees go toward supporting the student ride program, Knofla said. According to a survey taken last fall by a Cal Poly student, students here would not be in favor of a fee increase to support the free ride program, she said.

The overall success of the program for students has been marred by only two major complaints, said Knofla, one of which has been solved. During fall quarter, demand for rides during the peak 8 a.m. hour was more than the existing system could handle, and some students were being left behind. To remedy this, another bus was added to handle the overflow.

Knofla said the main complaint she hears now is that the buses arrive on campus at the top of the hour, which is when classes let out, making it difficult for students to catch the bus. She said this problem will be examined in her forthcoming proposal and report. However, she said, "It's a situation where you have to realize it's really a citywide service. We don't want to spend money, or take service away from some other area. We don't want to in¬stitute until next year at the earliest, she said.

Students should be aware that the free ride program will end for the summer on June 14. Knofla said the program will start again in the fall, probably on Sept. 15.

Poly society hopes to fly helicopter

By Brad Curtis

The Cal Poly society hopes to build and fly a man-powered helicopter. The Cal Poly chapter of the American Helicopter Society has been hoping to be the first group in history to fly a man powered helicopter Saturday night, but a time conflict forced Rec Sports to cancel the group's use of the Main Gym.

The society has been active building their craft since 1981 and so far none of their competitors have been able to surpass them. A. mechanical engineering William Patterson said the British and French are the closest in building and fly an aircraft.

The Sikorsky prize is sponsored by the national American Helicopter Society and it means that the first group to fly a man-powered helicopter will win. Patterson said the Cal Poly team hopes to win this prize.

Aeronautical engineering student Robert Faye said the group has attempted to fly the craft six times. "It only needs some minor adjustments," said Faye. "Next time I think it will fly." Patterson said in the winter of 1985, an engineer from Hughes Aircraft came to talk to them about rotor blade dynamics. He transmitted the AHS prize and said Hughes would be interested in sponsoring the Cal Poly AHS chapter if they were interested. They were.

For five years, the group of students and faculty have been building, perfecting and attempting to fly the 140-pound aircraft.

The group has tested the aircraft at whatever hours they could get in the Main Gym. Patterson said they had to push the race up to May because they need windless conditions.

The group affectionately calls the craft the Da Vinci Project, its rotor blade in its name, in honor of Leonardo da Vinci. See HELICOPTER, back page.

MILK CARTON

From page 6

may go wrong: a person could fall off a dock, there could be an accident, or some freak incident could injure one of the spectators or participants.

Lack of time was also a factor in the cancellation. "We had the dairy classic sale at the time we usually have the boat race, so we had to push the race up to May 31st, and I think it was a bad time for a lot of clubs," said boat race team vice captain Tony Kolin.

About 39 clubs participated last year, but this year there seems to be a threat of less participation than in previous years, he said.

Rickets said that if so does, the campus sailing club, has plans to reorganize sailing this year. Racing that there will be less of a need for such coverage.

Sailors Bradley and Julie Anne Lauer.

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MILK CARTON
Cyclists blaze through downtown

The streets of San Luis Obispo took a beating Sunday as more than 300 riders barreled through downtown during the annual San Luis Obispo Criterium.

Eric Heiden, Davis Phinney, Alex Steida and other world-class cyclists graced the streets of downtown yesterday during the race as more than 10,000 gawking spectators cheered them on.

The criterium was one of 23 stops on the nationwide 7-11 Cup circuit, and unlike years past, a road race was run Saturday on Pozo Road before the criterium.

Both races were divided into four categories: Men's 4; Men's 3 and Vets; Women; and Men's 1, 2 and professional. Mark Fletcher won the 32-mile Men's 4 road race in 1:17:37.11. The Cal Poly Wheelmen were represented by Mike Bennett in third place and Jeb Thornburg, also of the Wheelmen, finished fifth.


The criterium began Sunday with the Men's 4 event and Mike Delange navigated the 64-mile course in 24 laps to win it in 1:33:31.6 and Karl Weber won the men's 3 race.

And in the 63-lap pro-am race, Alex Steida edged out Davis Phinney to win his second straight San Luis Obispo Criterium. Steida, who is a member of the 7-11 team and a two-time member of the Canadian Olympic team, will get a chunk of the $7,000 prize money.

Mike Delange raises his arms in victory as he crosses the finish line after the Men's 4 event during Sunday's San Luis Obispo Criterium.

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COUPON
COUPON GOOD THROUGH 6/15/86
Monday, June 2, 1986 Mustang Daily

REGISTRATION

From page 1
day afternoon and night classes
are usually easy to add. "The
nighttime use is extremely low.
Only 6 percent of all our classes
are scheduled at night," he said.

"Cal Poly students' first
priority seems to be time," said
Donald Coats, associate dean of
Educational Services. "Everyone
likes the peaiichy-keen hours."

Only 2 percent of students
surveyed by Mustang Daily say
they have trouble getting classes
after 5 p.m.

Lehens says Cal Poly has one
of the highest classroom utiliza-
tion ratios in the CSU system.
He said Cal Poly is not too far off
standard space, although the
university does have a classroom
shortage which increases the
classroom utilization statistic.

"It's a vicious circle," Gerard
said. "If there are too many stu-
dents in a class, the faculty
allocations from the state
decrese. If a class has too few
students, as in a lab, the
way of teaching is different.

"We work like a delicate
balancing act," says Gerard.
"Each issue affects another.

Coats says many classes are
operated on a course classifica-
tion system. The system deter-
mits, among other things, the
maximum number of students
allowed in a classroom. Coats
says the system is used mostly
for English, math and laboratory
classes in which individual in-
struction and teacher workload is
a factor.

Lehens says Cal Poly is above
the national average in number
of students. Cal Poly classrooms
average is 28 students, says
Lehens. He says the optimum
number is 20 students per class-
room.

According to Punches, labs
cause problems in overcrowding
because they take up two or
three-hour blocks of time.

"Right now we are playing
catch-up," says Gerard. Facilities
have been and will continue to be
expanded with the new
Engineering 13 Building, the
renovation of the Dexter Build-
ing and the new agriculture build-
ing.

Gerard says, however, the
problem is not getting worse.
He said 90 percent of all students
will be added to the Cal Poly population
by 1991.

"Cal Poly student gradu-
ates in four years," What is the
economic cost to a student for
paying an entire year? Mustang
Daily will examine graduation
and the requirements tomorrow.

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• Numbness in Hands & Arms
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Johnston Chiropractic Clinic, Inc.
1150 Grove Street
San Luis Obispo

Tuesday, June 2, 1986 Mustang Daily

TICKETS

From page 1

Donald Coats, associate dean of
Educational Services. Coats is
also in charge of graduation cer-
emonies. "The stadium can only
hold 13,500 people at best, and
we have 2,500 to 3,000 gradu-
ates," he said. "Simple
arithmetic tells you the only way
about these prices, saying it isn't
fair to charge so much.

Faye said the Da Vinci is made
from composites and graphite
 tubing. The rotors are built from
foam spars wrapped in a Saran
wrap-like substance that is
healed to make it hard.

"Just hope somebody wins it
soon, so we can all relax," said
Patterson.

Faye had hoped Saturday's 9
p.m. flight would give Patterson
what he wanted. "We'll just have
to try and schedule a new time," said Faye. "Then it will fly."

HELI COPER

From page 1

Johnston Chiropractic Clinic
Palmer Graduate
San Luis Obispo

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