Bureau to match up students, services

By Ken Miller
Staff Writer

A new service to show students how they can help their community will begin in January.

The service, called the Community Action Bureau, was initiated by Dianne Long, Cal Poly political science professor; ASI Student Community Services; and Samantha Lutrin, ASI Community Services adviser.

Efforts to establish CAB have taken two years, Long said. "So many students who want to help don't know where to go," she added.

Lutrin said the bureau will be a one-stop place on campus where students can come in and, through the use of a computer, find out what community services need assistance, such as Hospice and the Salvation Army.

"Children, handicapped people and senior citizens are all popular with students," she said.

There will be three different locations for CAB: University Union Room 217, the Center for Practical Politics in the Faculty Office Building and the Neighbors Helping Neighbors office downtown.

CAB is backed by California State University funds, Lutrin said. "This money was mandated by the Chancellor's Office, and they said that this is what we have to do with it," she said.

According to Lutrin, Cal Poly is among the first universities within the CSU system to implement this kind of bureau.

"Stanford and UCSB have them, but they're hardly a year old," she said.

In addition to being able to help their community, students can also receive academic credits, Long said. "Most departments at the 200 or 400 levels have courses that are special projects.

See COMMUNITY, page 10

Paddling right along

Gary Johnson, standards compliance coordinator for Porterville Developmental Center, plays with a paddle ball toy made by Cal Poly students in a landscape architecture class. The special development toys were made by Jorg Bartels' class for patients at Porterville. About 50 toys were created to withstand the "playfulness" of adult-sized patients, most of whom are behaviorally 18 months to two years old.

Bowling alley furor

Committee calls for referendum

By Sandra Coffey
Staff Writer

A Cal Poly committee has submitted a petition to ASI stating a referendum should be given to students to allow them to decide the future of the University Union bowling alley.

The Save the Bowling Alley Committee recently presented to ASI the third petition concerning replacement of the bowling alley.

Although plans for replacing the bowling alley with a fitness center have been discussed, Gail Wilson, a part-time chemistry instructor and member of the committee, said Cal Poly students should be able to vote on the issue.

Wilson said the bowling alley was a "good idea;" she wanted it to remain at the university. She said the forthcoming recreational facility, scheduled to be completed by 1990, will offer students a wide range of fitness equipment, and spending $200,000 on a similar project isn't worthwhile.

Roger Conway, U.U. executive director, said the bowling alley was becoming a large expense and didn't come close to generating enough money to cover its operation costs.

Conway said sales at the bowling alley dropped about $15,000 from 1979 to the time it was closed. He said in the last 10 years the popularity of bowling has declined, and only about 150 students were using the facility downtown.

The proposed fitness center would be part of Rec Sports, which currently involves about 10,000 students, Conway said.

Wilson said she is concerned that the fitness center planned to replace the bowling alley will, if built, exceed its estimated $200,000 price tag. She claims that additional liability costs.

See PETITION, page 10

Needed for everyday use

Poly aids local blood bank

By Julie Jordan
Staff Writer

Blood is the life force that helps people survive, not only from emergency accidents, but also from surgery or leukemia, cancer and other diseases.

More than 95 percent of Americans will receive or have received blood or blood products in their lifetimes, but this blood is donated by less than 5 percent of the eligible donor population.

Lucille Boltz, donor recruiter for Tri-Counties Blood Bank, said they have no problem getting donors in emergencies, but it's difficult obtaining a supply for everyday usage. "Blood is needed for lots of

See BLOOD, back page
Editor — After reading Wednesday's article in the Daily on "some students are mdnning out of your school," I felt I had to write this letter to clear up a few points.

This is my third year in the ASI. In the past 2 5 years I've held the offices of: student senator, vice chair of my school council, member of the Student Affairs Council, chair of the SAC budget committee and member of the senate ad hoc committee. I'm currently a member of the ASI executive staff.

In all the time that I've been with the ASI I have not worked with a finer individual than Kevin Swanson. I did not plan to have anything to do with the ASI this year since I had become so disgusted with the system that I decided to find a better way to spend my time. When Swanson won the election last spring I thought that maybe now things would change for the better so I stuck around.

However, there are always a few disgruntled people in any political system. (One percent of Cal Poly students if you believe Steve Blair's petition.) Now Steve Blair and his cronies have come up with a list of allegations that they'd like you to swallow.

First, that Kevin Swanson tried to use his position as ASI president to get financial aid. This is a blatant lie. Swanson asked his secretary to request a meeting with the Financial Aid Office because he was too busy with ASI matters. Sort of like making a denial appointment while you're at work. The worst part of it is, his secretary didn't even make the appointment. I hope that Blair and company are paid up on their liability insurance.

Another allegation was that Swanson refused to take $3,000 from the Administration to fund the information campaign for the athletics referendum. He did refuse the money, and he did consult with the executive staff before doing so. The reasons for refusing the money were twofold: there was a conflict of interest since President Baker endorsed the fee increase, and there has been a tendency in the past for "informational campaigns" to turn into "promotional campaigns." See last year's taped minutes of a Student Senate workshop when then-Vice President John Sweeney referred to the Administration paying for a "promotional campaign" in the fall. He then continued asking for Kevin Swanson's resignation, I felt I had to write this letter to clear up a few points.

I could go on and on, but first an important question: all of these things happened months ago — why make these allegations now? It couldn't possibly be that since it's the last week of the quarter Swanson won't have much of a chance to respond to these allegations, now could it? Think about it.

EARL RUBY

Singer can't perform at Farmer's Market

Editor — As a local artist, I'm ticked off when people limit my, or anybody else's, freedom. I'm Johnny Base.

A year ago, after moving here from New York, I began singing at Farmer's Market with no problem. I was in for a surprise. A month ago the police, sent by a member of the BIA (the Business Improvement Association, which promotes Farmer's Market) told me to stop singing. Why? Because I was collecting money (just like the other people at Farmer's Market). So I was polite, and I stopped collecting money.

The following week the police spoke to me in an abrupt, abrupt way. This time they said I needed a permit from, you guessed it, the BIA. I applied in person for the permit at the BIA's weekly meeting at the Yogurt Shoppe, and they denied my request. They said my lyrics might be considered offensive — even though they have received no complaints, and a lot of people have a good time listening to me. The BIA told me that if I were playing Neil Diamond songs there would be no problem.

So as it stands, when I sing downtown again, I'll be breaking the law. If you've heard me sing and like it, or even if you don't like it, or even if you haven't heard me but feel this situation is unjust, come down and support me, or yell at me, at Farmer's Market around 8 p.m.

JOHNNY BASE
Cabinet gets $1 trillion budget

WASHINGTON (AP) — President Reagan’s Cabinet was presented Wednesday with the first $1 trillion spending outline in history, a fiscal 1988 budget proposal that the president’s chief economist says will be “accompanied with a lot of pain.”

The pain will come in the form of more than $50 billion in spending cuts and other savings designed to meet the $108 billion deficit target set by the Gramm-Rudman budget-balancing law, said Beryl Sprinkel, chairman of the president’s Council of Economic Advisers.

“There is no way to cut back or even restrain spending that doesn’t create problems in the various departments,” Sprinkel told a conference sponsored by the conservative American Enterprise Institute.

Federal agency heads got their first look at the new budget proposal, the first installment of which will be submitted to Congress on Jan. 5, at Wednesday’s Cabinet meeting.

The presentation was accompanied by a strong pitch by Reagan to go along with the deep spending cuts needed to meet the Gramm-Rudman deficit target, according to presidential spokesman Larry Speakes.

More detailed information on individual cuts recommended by the president’s Office of Management and Budget was being sent to each federal agency, according to OMB spokesman Edwin Dale.

Deficit-reduction steps proposed by OMB Director James C. Miller III go far beyond the spending cuts Cabinet members had recommended for their own agencies, according to administration officials who spoke on the condition of anonymity.

Even the departments of Education and Energy — the only two federal agencies to submit preliminary budget requests that came in under White House guidelines — were told to pare back their programs further, the officials said.

Broad outlines of the spending plan showed anticipated revenues of approximately $900 billion and outlays a shade over the $1 trillion mark, but less than $1.1 trillion.

Oil foes want offshore sanctuary

FORT BRAGG (AP) — Opponents of offshore oil development have urged the federal government to scrap plans for future lease sales that would be the first in 25 years in Northern California.

A hearing was held by the staff of the Interior Department’s Mineral Management Service into proposed Lease Sale 91, scheduled for February 1989.

The sale would take in more than 1.1 million acres off Mendocino and Humboldt counties, ranging from 3 to 27 miles offshore. Federal geologists estimate 150 million to 760 million barrels of oil are offshore.

Eleanor Lewallen, who operates a seaweed harvesting business, said the proposed marine preserve should extend from San Luis Obispo County to the Oregon line and reach about 200 miles out to sea.

The speakers urged a marine sanctuary be declared that would ban future offshore oil and gas development.

State has high teen birth, abortion rates

NEW YORK (AP) — A study has found wide variations in teen-age pregnancy rates among the 50 states, with Nevada and California having the highest rates, according to an article in Family Planning Perspectives, a publication of the Alan Guttmacher Institute.

While the national teen pregnancy rate was 111 per 1,000 girls between the ages of 15 and 19, state rates ranged from North Dakota’s low to a high of 144 per 1,000 in Nevada and 140 per 1,000 in California, according to the study by Susheela Singh, a senior research associate at the institute.

The study found even larger differences between states in the proportions of pregnant girls who decide to have an abortion. Mississippi, with a pregnancy rate of 125 per 1,000, has the highest teen birth rate at 84 per 1,000 and one of the lowest abortion rates at 22 per 1,000.

California, with a higher pregnancy rate, has a birthrate at 53 per 1,000 and the highest abortion rate at 69 per 1,000.

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Ability to work as a team player and good communication skills may be more important than a high GPA in landing that first job, according to corporate recruiters.

Interviewers for several large corporations said there are many things they are looking for in potential employees besides high GPAs and a technical background. Personality and communication skills, written and verbal, attitude and leadership ability play important parts in the decision to hire or not to hire.

According to Brendan Floyd, technical employment representative for AT&T, the GPA is examined, but it is not the most important thing. "A student with a 4.0 probably is going to know his field better than a student with a 2.0, but there are many other factors I consider," he said. Floyd, who was on campus to recruit technical majors, said personal attributes play a major role in who gets hired.

One of these attributes is entrepreneurial ability, or as Floyd said, "intra-preneurial" ability. "An entrepreneur would be able to develop ideas but would probably leave the company. An intra-preneur develops ideas within the company. We're looking for people that someday can say, 'I know that with $200 million research I can develop such and such.'"

Floyd said besides a risk-taking ability, he also looks for demonstrated leadership and well-roundedness. He said AT&T needs people who can work well with other people. "We need people who can coordinate the efforts of different parts of the organization and bring them together in a common goal."

Floyd said he finds these people by looking for those who are into the entire college environment, not just the academics but football, fraternities, sororities and other extracurricular activities.

Being well-rounded is important to AT&T, according to Floyd. "One problem in corporations today is too many people tend to be too narrow-minded. Engineers may only think in terms of production, while salespeople think only in terms of total sales. We need people who can think about a lot of things at the same time," he said.

AT&T does not look for a particular image, but some companies do, Floyd said. Referring to the investment banking industry, he added, "I think they have a tailor-made person in mind, a white male with an MBA from Harvard."

Tom Ruschhaupt, a recruiter for Goodyear Tire and Rubber Co., agreed that personality comes before GPA. "I think a positive attitude is probably the most important thing," he said, speaking of potential sales managers. "One person's enthusiasm can get a whole group through hard times," he said.

He also said being a team player is important. "When I'm interviewing somebody I ask myself, 'Will this person be right for Goodyear, and will Goodyear be right for him?'

Ruschhaupt said he finds out if a student and Goodyear are right for each other by asking questions. "I ask them what they like to do when they are not studying or in class." Because Goodyear promotes from within, all new sales managers must start at a retail outlet, he said, adding that someone who enjoys working on automobiles might be right for Goodyear.

Leadership ability is also important, according to Ruschhaupt. "We need people who can sell ideas with a positive approach. The heavy hand approach to management might work for the short-term, but for the long-term it falls flat," he said.

What are some of the negative traits Ruschhaupt looks for in an interview? "I won't hire a guy who comes in here and can't look me in the eye," he said. He also said grooming is important during an interview. "If a guy comes to the interview in jeans I ask him if wants to be a manager. If he says yes, I ask him why he is dressed like that."

Jennifer Paddock, Cal Poly graduate and program analyst for Chevron, said good communication skills and co-op experience are more important than GPA.

"We need people who can think about a lot of things at the same time." — Floyd

"We need people who can think about a lot of things at the same time." — Floyd

Chevron recruiter Sandra Leister said, "We do a lot of our work in teams."

Paddock said verbal and written communication skills are important. "We can tell a lot about a student by the way he or she fills out the Placement Center form," she said.

Dan Bertozzi, business administration department head, agreed that personality and people skills might be more important than GPA. "What I hear employers saying is that they look for students with people skills," he said, adding that students with experience in student government and club membership might have an edge over students without that experience.

"You wouldn't believe how many times a student walks through that door complaining because they got an 89 or a 90 on a test," Perlick added.

"You wouldn't believe how many times a student walks through that door complaining because they got an 89 or a 90 on a test," Perlick added.

Metcalf agreed with Perlick that Cal Poly students sometimes worry too much about grades and do not concern themselves enough with learning about the world around them.

Metcalf said, "You just want to tell them, 'get real.'"
Academic Senate concerned about rank and salary split

By Pamela Varma

Members of the Academic Senate executive committee voiced concerns Tuesday over the issue of separating faculty rank from salary to compensate for difficulty in hiring qualified instructors in certain disciplines.

Reg Gooden, statewide academic senator for Cal Poly, noted points raised and will present them to the state Academic Senate in January when it takes a second look at the development paper that was drawn up last month on separating rank from salary. Because of market demand and high wages paid in industry for qualified people in technical disciplines such as computer science, engineering and business, those fields have been termed hard-to-hire by the university system.

Separating rank from salary has been viewed as one way to address the problem of getting people to leave high-paid jobs in industry to teach. Traditionally, an instructor with no previous teaching experience has been hired at the rank of assistant professor and given a stipend for teaching. The California State University pay scale is based on a number of "steps" through promotions and seniority, a faculty member progresses through the steps, increasing both rank and salary.

By unlinking rank and salary, a person qualified to teach in a hard-to-hire field could be hired by the university as an assistant professor but could receive the salary of an associate or even full professor. This has caused concern in many disciplines because under such a system, the average faculty salary will most likely be less in the fields of liberal arts and sciences despite similar teaching workloads. And by hiring instructors at salaries competitive with those offered in the marketplace without separating salary from rank, people not qualified to be full professors will still retain the title of professor.

While no final decision was reached by the executive committee, as it is the state Academic Senate's responsibility to draw up a resolution on the subject, some interesting points were brought up at the meeting.

Tim Kernen, economics professor, asked if teacher demand in some fields decreased considerably in the future, would their salaries be decreased to allow funds to be allocated to the new field in demand?

Joe Weatherby, political science professor, said the idea of separating rank from salary is a "red herring" and one that will separate faculty between and within disciplines regarding their worth.

Ken Rienner, business administration professor, said that although there would probably be a disparity in salaries between different departments, "You don't go into a field like philosophy for the money."

Alan Cooper, biological sciences professor, noted that many people would be willing to sacrifice the prestige of being called a professor with a $40,000 salary in exchange for a salary of $100,000 and the title of assistant professor. "I realize the dollar is the grease that makes everything go around but this is a university," he said. "If money is what you really want then go out into the world and get it."

John Rogalla, agricultural management professor, said the university will be better served if, when looking to hire, the search is aimed more at people primarily interested in teaching. There was general agreement that part of the problem in staying competitive with salaries offered outside the university is that salaries overall in the CSU leave something to be desired.
**Gland troubles tied to PMS**

**Hormone pills said to provide 'complete relief' for women**

BOSTON (AP) — Thyroid hormone pills can relieve premenstrual syndrome for many women whose symptoms appear to be linked with sluggish thyroid glands, suggests a new, preliminary report.

The study found often-mild thyroid deficiencies in 94 percent of the victims of premenstrual syndrome who were tested. Those who took thyroid pills "reported complete relief from the symptoms of PMS."

However, several experts said they doubt that underactive thyroids — what's known as hypothyroidism — contribute to premenstrual syndrome for most victims of the common disorder.

Prison costs may be examined

SACRAMENTO (AP) — With prison costs soaring and the state government facing a spending limit, a Democratic legislator proposed Wednesday creation of a blue-ribbon commission to propose solutions to the impending fiscal crisis.

Assemblyman John Vasconcellos, D-San Jose, chairman of the budget-writing Ways and Means Committee, said prison support costs are expected to hit $2.4 billion a year by 1990, a 1000 percent increase since 1975.

The state prison admission rate in 1980 was 100 per 100,000 Californians between the ages of 18 and 49. Vasconcellos said the rate in 1990 is expected to be 185 — an 85 percent increase in 10 years.

Under an initiative approved in 1979 — the so-called Gann limit — state spending can't grow faster than the cost of living and population. Vasconcellos said that in the past six years the prison operations budget has increased by an average of 21 percent, while the state's General Fund has grown by only 8.3 percent.

In addition to the prison operation costs, the state will spend $2.4 billion to build 23,000 new prison beds at 14 new prisons.

"Is 2 months' salary too much to spend for something that lasts forever?"
Students become a formidable computer purchasing force

By Gita Virmani

Throughout their education, students acquire a variety of school supplies ranging from pencils and paper to calculators and typewriters. But something else has been added to many students' collections—computers.

The number of students buying computers has steadily increased, and so far this year, students account for 63 percent of the computers sold at El Corral Bookstore, said Rick Brandt of Plant Operations.

Most Cal Poly students buy their computers at El Corral because the bookstore has discounted prices available to full-time students, said Nick Routh, merchandise manager of El Corral.

"I shopped around for months, comparing prices on various computers and the bookstore ended up having the best deal," said John Lopez, business junior and owner of a Macintosh Plus.

Current prices for the computers that are sold on a regular basis at El Corral are:
- $1,550 for the Macintosh Plus
- $1,095 for the Macintosh Plus
- $1,539 for the Hewlett Packard 150A
- $895 for the IBM PC

Students acquire computers in various ways. Some raise the money themselves, and some receive computers as gifts from their parents.

Bill Pearce, a computer science freshman, saved money from a summer job to buy his HP 150.

"I knew that having my own computer would save me a lot of time and hassle," he said. "It's inconvenient to have to wait in line at school to use the computers there."

On the other hand, Tom Finigin, an agriculture engineering sophomore, got his Macintosh Plus from his parents as an "early" graduation gift.

"I've got three years left before I graduate, but my dad knew that the computer would be an extremely practical pre-graduation gift, and it is," he said.

The Macintosh computers are the most popular, accounting for about 85 percent of the El Corral sales, Routh said.

"Students buy computers, especially Macs, for word processing, but they can be for any conceivable use," he said. "It depends on what their major is."

Russell Henning, a mechanical engineering major, bought an Apple IIe two years ago.

"Both my wife and I are students and the computer cuts the time it takes us to do lab reports and papers in half," he said.

Student computer owners do have problems, however.

The purchase of the computer itself is only the beginning of the expense involved in owning a computer.

"I have spent thousands of dollars on my computer," Lopez said. "I can't help myself—all the software and accessories are so tempting."

Chris Hinds, a liberal arts senior, has a Macintosh 512K and says his friends are constantly borrowing his computer.

The number of students buying their computers at El Corral has doubled over the past three years, which indicates that about twice as many students now own computers, Wilson said.

SLO-BYTES PC User's Group is an IBM-compatible computer group that caters to Apple computer users, primarily Macintosh and Apple II users.

"SLUG is a place to meet people who have similar questions and problems about their computers as you do," said Walter Wilson, the group's treasurer.

"We have a real cross-section of people who attend our meetings, and more than half the members are students."

"The group's membership has doubled over the past three years, which indicates that about twice as many students now own computers," Wilson said.

Our group is a community organization with programs that include software reviews, hardware workshops and guest speakers.

SLO Clones, a Sanyo computer and Hewlett-Packard user's group, also serves students who own computers.

Nuclear winter test nixed

SAN DIMAS, Calif. (AP) — A long-awaited experimental brush fire to study whether smoke and dust from an atomic war would trigger a "nuclear winter" was scrubbed Wednesday after a helicopter crashed while igniting a test burn.

The pilot escaped serious injury, but the accident left in doubt when the $750,000 experiment would be performed.

Gordon Rowley, fuels management officer for the U.S. Forest Service and the official with the final say on the burn, said the fire would be rescheduled for Friday at the earliest. If it does not take place by Dec. 15 or 16, it will probably have to be delayed until June because of difficulty in assembling the needed firefighting aircraft.

"I hardly get to use it myself any more... My roommates and friends always seem to have a paper to write or a resume to print up," he said.

Stephanie Elliot, a political science junior, borrows her friend's IBM PC every time she has a paper to write. "It's so much easier composing a paper on a computer because you can switch things around without having to re-type everything," she said. "My friend always lets me use his computer."

Computer user groups in the community offer ways for students to meet other students who own computers.

The San Luis Apple User's Group (SLUG) is a community organization that caters to Apple computer users, primarily Macintosh and Apple II users.

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**Calendar**

**Thursday 4**

- KCPR will sponsor a quarter break report by ASI President Kevin Swanson at 11 a.m. Thursday.
- Dr. Joseph Opio-Odongo, a Fulbright scholar-in-residence from Uganda, will speak at 3 p.m. Thursday in the Staff Dining Room. He will speak on “Excellence vs. relevance in African agricultural education: evidence from Uganda.”
- The ASI Hobby Garage will perform 12-point vehicle safety inspections this week for students, staff, faculty and alumni. A fee of $1 will be charged for the checks, which will be aimed at preventing break-downs on the trip home. Business hours for the garage are: Thursday, 1 to 5 p.m.; Friday, 1 to 5 p.m.; Saturday, 9:30 a.m. to 5:30 p.m.; and Sunday, noon to 4 p.m.
- The University Union Craft Center Committee will sponsor a Christmas craft sale from 9 a.m. to 6 p.m. Thursday in the University Union Plaza.
- Additionally, the Hobby Garage will be accepting vehicles for storage inside their garages. Vehicles must be dropped off no later than Dec. 7 and must be picked up by Jan. 10. The charge is 50 cents for bicycles and $1 for motorcycles.
- The Industrial Technology Society will sponsor an egg drop contest at 11 a.m. Thursday in the University Union Plaza.
- Student Community Services will sponsor a holiday sharing drive presentation at 11 a.m. Thursday in the University Union Plaza.

**Friday 5**

- A dance, sponsored by Phi Beta Sigma, will be held at 8 p.m. in Chumash Auditorium.
- ASI Outings will sponsor basic winter mountaineering in desolation wilderness and canoeing on the Rio Grande during the quarter break. Details are available in the Escape Route.

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**Court Rules for Aerial Pot Searches**

SAN FRANCISCO (AP) — Greenhouses are not off limits to the eyes of officers taking part in aerial marijuana searches, according to a ruling by the 9th U.S. Circuit Court of Appeals.

The court ruled on Tuesday officers without warrants may look for hidden plantations from the air — even those inside the supposed privacy of greenhouses.

The three-judge panel reversed a federal judge's finding in the case of six Yuba County defendants that air surveillance prior to obtaining a warrant was an illegal search.

The six, contending they had a right to consider the interior of the greenhouse private, argued that 553 marijuana plants seized in August, 1982, could not be used as evidence.

The justices noted the suspects "clearly went to great lengths to prevent anyone from seeing anything inside the greenhouse." Nevertheless, officers flying at not less than 1,000 feet altitude were able to see what appeared to be marijuana plants.

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Petition

From page 1
associated with higher risk activities such as weight training and aerobics would raise the costs of the project. If a weight room is needed before construction of the recreation facility is complete, there are other places on campus to put it, according to Wilson.

Conway said it is critical not to exceed the estimated cost of the center, because projects costing more than $200,000 have to be contracted out to licensed contractors. Therefore, special efforts are being made to stay within the $200,000 limit. Conway wants students to be involved in the construction of the fitness center, and he said using students such as architecture majors for construction work will help keep costs of the project down. Students will do the work for class credit or on a volunteer basis.

Conway said: "We've brought the issues about the fitness program out in the open. If we had any doubts, we wanted people to know about them and to know the risks so that if we ran into any problems it would be understandable." He estimated the cost of the project to be about $185,000, not including donations taken in.

Conway said the petition is currently with the ASI election committee, and members of the committee are validating its signatures. He said he expects the issue to be an important one and that it's possible it will go to referendum.

Community

From page 1
or special problems or field work, courses they can enroll in and get credit at the same time. Most departments have these special problem courses. They get credits as they apply to the community service they're doing," she said.

Part of the new bureau will be a community service stipend program, in which 15 students who spend a quarter helping the community will each receive a stipend of $1,000, Long said.

A committee will be formed winter quarter, and the criteria for determining who will receive the stipends will be developed by that committee, Long said. The stipends will be given out in the spring, but students can participate in the program either spring or summer.

Stipends are available for only upper division and graduate students, Lutrin said. "I think the rationale for that is that we want people to come in who have had experience from volunteering in a human service agency. We just want to make sure that they're not in it for the buck.

Lutrin explained why she thinks these funds have been earmarked for the community service activities. "There's a group that has surmised that all the CSU campuses to see how much community service work is going on. It's in order to prepare a report and some kind of recommendation to be submitted to the state court in San Francisco. It's a proposal to beef up community service. It might be that they're trying to make community service mandatory for graduation, but I wouldn't count on a thing like that passing," Lutrin said.

"I think the service will be widely used, maybe not immediately, but definitely in fall quarter," she added.
WASHINGTON (AP) — A warm blanket of soot may be raising temperatures around the North Pole by absorbing newly arriving sunlight as well as light reflected from the icecap below, government scientists reported Wednesday.

"One pollution plume we encountered on a flight over the icecap off Barrow, Alaska, last March was the equivalent of five or six large power plants putting all their effluents in a single plume," said Dr. Russell Schnell of the National Oceanic and Atmospheric Administration. The pollution "was about 100 miles wide and 1,000 feet deep, and when we first flew into it we thought we had flown into the plume of a volcanic eruption. We didn't believe the instruments on the aircraft," Schnell said.

The NOAA report was based on a study of the haze that has been observed over the Arctic region in the last three decades. This haze layer has been reported as much as 18,000 feet thick and scientists have expressed concern about its warming the Arctic climate, although they remain unsure of the exact effects as yet.

There have been reports of a reduction in the amount of pack ice in the Arctic in recent years, although evidence has not yet tied this to the pollution layer.

The average surface temperature of the Earth has risen slightly in recent years, probably a result of the so-called greenhouse effect in which the increasingly polluted atmosphere traps more heat from the sunlight. The Arctic pollution probably moves north from industrial and chemical complexes in eastern Europe and Asia, NOAA said. Examinations of air flow and a chemical analysis of the pollution indicate that some of the soot traveled as much as 4,000 miles, Schnell reported.

Another participant in the study, Tony Hansen of the University of California's Lawrence Berkeley Laboratory, said that at times the Arctic pollution exceeded levels measured over the Atlantic Ocean off the coast of New Jersey. Hansen said on one test flight carbon soot in the Arctic region was measured at 700 nanograms per cubic meter, while the highest concentrations found in the New Jersey studies last January were 500 nanograms per cubic meter. A nanogram is about one-billionth of the weight of a typical paper clip. A cubic meter is a little more than a cubic yard of air.

Another pollutant, sulfur dioxide, averaged two parts per billion of air over the Arctic, about the same levels as the U.S. East Coast, said Dr. Donald Thornton of Drexel University in Philadelphia. However, he added, the highest Arctic concentration of sulfur dioxide was 15 parts per billion of air, compared with a top concentration of 9 parts per billion over the Atlantic Coast.
Some cancers resist therapy by expelling drugs

NEW YORK (AP) — Some cancer cells that resist chemotherapy apparently expel the drugs through "chemical pumps," but scientists hope they can sabotage that defense, according to new studies from several laboratories.

The suspected pump is a chain-like protein that snakes in and out of cell walls. While it serves some unknown function in normal cells, drug-resistant cells have the protein in unusually high amounts. Further research may someday allow doctors to hinder the pumping operation in cancer and even activate it in healthy cells to help them withstand the poisonous onslaught of chemotherapy, scientists said in interviews.

Resistance of cancer cells to multiple drugs is a key problem of chemotherapy. Some cancers, like those of the colon and lung, resist drugs. If resistance to standard drugs could be overcome, said Dr. John Stevens of the American Cancer Society, "we could give our chemotherapeutic agents a second lease on life in a much more incisive fashion."

The new research is providing good evidence that the pump mechanism is one way cancer cells resist chemotherapy, Stevens said.

The most recently published study appears in Thursday's issue of the British journal Nature.

Victor Ling and colleagues at the Ontario Cancer Institute, Princess Margaret Hospital and the University of Toronto describe striking structural similarities between the suspected pump protein and a known pump protein from bacteria.

Unusually high levels of the suspected pump, called P-glycoprotein, had previously been demonstrated in some cancers that resist several drugs, Peter Juranka, a co-author of the study, said in a telephone interview.

Other studies have focused on a gene that directs cells to produce the P-glycoprotein pump.

Voyager trip around globe could begin next week

MOJAVE (AP) — The experimental Voyager airplane will make a final eight-hour test flight today before attempting a nonstop around-the-world flight that could start next week, a spokeswoman said Wednesday.

"It's almost like a dress rehearsal," said Wanda Wolf, describing the planned heavy-load test flight of the spidery aircraft.

Pilots Dick Rutan and Jeana Yeager prepared Wednesday afternoon to fly Voyager the 30-mile distance from its hangar at Mojave Airport to Edwards Air Force Base, where it will take on fuel.

During the test flight, Voyager will fly back and forth between Edwards and the San Joaquin Valley, Wolf said.

Because of seasonal weather patterns along the planned route, the historic 12-day flight by the experimental twin-engine craft will have to begin the flight in coming weeks or risk postponement until spring, flight planners said.

Despite a morning weather briefing showing weather problems could force still another delay, Wolf said, "It could very well be next week when we go around the world."

"There is definitely some bad weather ahead of them, but they expect the weather will be with them," she said. "They are still planning to do it this year."

The plane, made from lightweight carbon fiber material, weighs only 1,845 pounds, but when filled with fuel, it will weigh 9,800 pounds.
Wrestlers drop first home match of season

By Dan Ruthemeyer
Sports Editor

Heavyweight wrestler Ben Lizama won the only match for the Mustangs Tuesday, as the Cal Poly squad was defeated in its first home match of the year by eighth-ranked Oklahoma, 29-7.

Lizama's match, which began with the Mustangs down 29-4, saw neither wrestler score in the first period. However, in the second period, Lizama scored seven points on his way to winning the match, 12-3.

The 275-pound wrestler had demonstrated some early-season heroics in the Mustangs' previous match against 16th-ranked Fresno State, when he pinned his opponent to enable Poly to pick up a narrow 18-17 win.

Scoring the other four points for the Mustangs on Tuesday were 126-pound Darren Rodriguez and 134-pound Wayne Nishiura, who each tied their Sooner opponents.

Rodriguez came back from a one-point second-round deficit to pick up the tie, Nishiura scored six unanswered points in the final round to tie his opponent, 9-9.

Rodriguez's tie came in the final 30 seconds of the match, when he earned a two-point reversal against his freshman opponent, T.J. Sewell.

Nishiura's performance was especially impressive because he was filling in for John Martin, who tore cartilage in his knee earlier this year. Martin had wrestled on the injured knee in the Mustangs' first several matches, but coach Lennis Cowell decided it was time to let Martin's knee mend.

"It's something we want to get taken care of now or we wouldn't have him in Hawaii (Dec 30-31)," he said.

Aside from being without Martin, the Mustangs also are See WRESTLING, page 14

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December 8-12
Gymnasts to begin season in Northridge

The Cal Poly gymnastics team will be going into its first meet of the season Friday with enough potential to grab first place and beat Cal State Northridge after a two-year wait.

Head coach Tim Rivera said the meets against Northridge have always been close, but this year's team is "by far more ready than they've ever been before, this early in the year.''

The 'four-team meet will be 7:30 p.m. at Northridge and will include Cal Poly Pomona and Southern Utah State.

The Lady Mustangs finished their season last year ranked 16th in the nation. Four women placed in the top three positions in three events at the regionals, while two missed qualifying for nationals by 0.5 points.

However, only five gymnasts will be returning this year. Rivera said the Lady Mustangs have gained 12 new women who could take the team to nationals.

Two of the outstanding new freshmen are Kimm Zernik and Mimi Phene.

"Both of these girls will be top-ranked gymnasts in the country and will definitely help the team reach their goal of making nationals this year," said Rivera.

Phene said she would like to qualify for nationals, but also thinks the whole team could go.

"We're going to do well this year," she said. "Everyone on this team is good at something."

Zernik said: "This is a new experience for me. I've always been on a club team, where all your teammates are usually younger and not very supportive. Here, the girls are really helpful and I get a lot of support."

Another gymnast to watch this year is freshman Kim Wells.

"Kim has come a long way since the beginning of practice," said Rivera. "She has a lot of potential and will be another strong contender for the team."

Mary Kay Humble is also an all-around gymnast, with her strongest events being the balance beam and the vault. She throws a full-twist on the horse, which is one of the more difficult vaults one can do, said Rivera.

Julie Williams is one of the returning all-around gymnasts and a strong competitor in the floor exercise and the vault. Rivera said Williams could not finish last season due to injuries but has made a strong recovery.

"She is definitely a team leader, being one of the veterans, and the only senior on the team," Rivera said.

Other returning gymnasts include Wendy Meyer, who red-shirted last year and will be strong on the uneven bars; Kelly Packer, who will bring depth to the floor-exercise team; Tracy Gamble, a specialist in vaulting; and Suzi Greene, a specialist on the uneven bars.

Two more additions to the team are sophomore Julie Bolen and junior Debby Alesii. Both are all-arounders, although Bolen's strongest events are the uneven bars and the floor exercise, while Alesii does particularly well on the balance beam.

Rivera said he thinks having a younger team is an advantage: "It looks great for the next few years, and the veterans can lead the new ones, showing them the differences between a club team and a college team."
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BLOOD

From page 1

things, not just emergencies, and people do not realize this," she said.

A non-profit organization, Tri-Counties is a self-sustaining community service which collects, processes and distributes the blood components needed in the San Luis Obispo area.

Betty Kroeze, clerical supervisor for the Cal Poly Health Center, said most blood collected is from blood drives, in which Cal Poly students play an active role in all aspects.

The Student Health Advisory Council sponsors three blood drives a year, and the Cal Poly Women's Club and fraternities help. In this instance, giving blood not only helps the community, but it can also help donors or organizations with which they're associated. This can be done by setting up a fund, and as most people do not realize, Cal Poly already has one.

With more than 5,500 credits of units of blood, the Cal Poly blood supply is currently well-stocked because of the generous donations of students, said Kroeze. "Any student is eligible to use the blood, however. You do not have to be a donor to benefit.

"If a Cal Poly student, staff, or faculty member needs blood they can contact me and the used blood units will be replenished from our supply," said Kroeze.

"It is all done on paper and after the fact, but it cuts costs as every credit unit of blood is worth $10."

Any healthy person who weighs more than 110 pounds and is above the age of 17 can donate blood as often as possible without exceeding five donations per year or donating more than once every 56 days, said Boltz.

There are people who cannot donate blood, such as homosexuals and intravenous drug abusers, but to be safe everyone is tested prior to the donation to make sure there are no problems.

"It is impossible to get AIDS by donating blood," said Boltz. She added, "We have a very safe blood supply in this area, and that is why we want to keep it here locally."

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