

Off the hook



Photo illustration by Brian Baer — Daily staff photographer

Blue light phones deliberately left off the hook waste money and manpower hours. The phones, located throughout campus, provide a direct line to the UPD in case of emergency.

Blue light phones protect despite pranks

By Teresa Lyddane

Daily staff writer

The typical "blue light special" indicates a bargain, but at \$1,100 a day the term hardly denotes savings on campus.

"Blue light specials" are what the University Police Department calls false alarms from the campus emergency blue light phones.

The department handles up to 15 calls each day, according to UPD dispatcher James Gaddis. It takes three to five minutes to respond to each call, and the officer takes up to 10 minutes to investigate the surrounding area.

False alarms usually happen when someone takes the blue light phone off the hook, Lt. Shannon Maloney said. However, the calls sometimes result from "phone confusion."

The blue light phones use the new phone system which causes a slight delay before the call goes through to the UPD.

This delay may discourage people by making them think the phone is out of order, Maloney said. The UPD suspects transients as possible culprits.

"Blue light specials" frustrate police officers, especially because the crime is so easy for someone to commit without punishment.

Maloney admitted the cost and an average waste of five and a half hours of manpower resulting from "blue light specials" is significant but said, "It's tough for us to do anything because of the nature of the crime . . . and it is a crime."

Because one function of the blue light phones is emergency communication, the department must investigate each call.

The 44 phones are placed at various campus locations and in each parking garage. Originally installed in response to a rape crisis at SJSU in the late 1970s, the phones can be used for any necessary communication with the police.

Despite the problems associated with "blue light specials," the phones remain an important part of the campus security system, Maloney said.

"They are an ideal form of

campus communication with the police. They're easily identifiable and easy to use," he said.

The UPD offers the following personal safety tips in addition to using the blue light phones:

- Avoid dark streets.
- Don't walk alone, especially at night. Use a blue light phone to call for an evening guide.
- Walk at a steady pace with a self-assured stride.
- If followed, get away fast, change directions, walk into crowded areas.
- Walk near the curb to avoid passing too close to shrubbery, dark doorways and other concealed places.
- If a driver asks for directions, don't get too close to the car.
- Have your key ready in hand so you can open the door to your home or car immediately.
- Maintain a secure grip on your purse, preferably under your arm.
- Don't accept rides from strangers.

Film shows conflicts of military spending

By Denise Zapata

Daily staff writer

Whether or not to enter the defense industry is an issue many SJSU students will have to wrestle with upon graduation.

The lure of money offered to college graduates by the defense industry is one of the themes in the documentary, "Defending America: The Price We Pay," produced by SJSU Sociology Professor Bob Gliner.

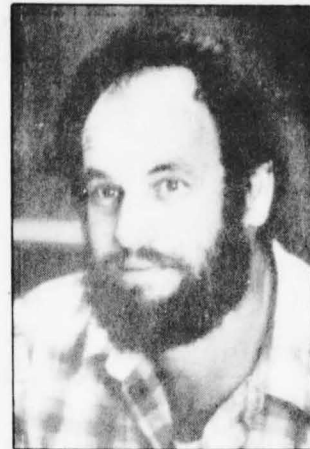
The documentary will air on Channel 54 at 10 p.m. today.

It is the culmination of six months of interviews with supporters and critics of defense spending, military strategists and politicians.

"Military spending is one of the things that has a tremendous impact on society. With the possibility of nuclear war, it makes everything else superficial," Gliner said.

Defense spending has a particularly strong impact on the economy in Silicon Valley, with its concentration of defense contractors and defense-related industries.

According to Gliner's research, military spending equals \$3,700 per



Robert Gliner

sociology professor

resident per year in the Silicon Valley. This figure ranks the area first in the state and second in the nation.

"SJSU students, especially in en-

gineering and physics, all have to decide if they want to take jobs in defense," he said.

For those students opposed to military spending, the decision not to enter the defense industry is an ethical one. For others, there is no moral dilemma.

"The reality is, you have to get paid," one SJSU student said in the documentary.

In conducting his research, Gliner said he was surprised at the number of special interest groups involved in trying to influence defense spending.

Organizations such as Business Executives for National Security attempt to influence defense spending through their local representatives in Congress.

In the program, FMC Spokesman Bill Highlander said military spending provides "a very stabilizing influence on the economy."

For Gliner, however, this influence is not so apparent. He believes military spending has sharply reduced the education budget.

See FILM, back page

Scholarships available

Students reluctant to apply

By Darren Sabedra

Daily staff writer

Scholarship opportunities await SJSU students. But many students either think they aren't qualified or don't take time to submit applications.

Three students who did fill out applications are grateful now.

Junior Tracy Bowers, senior Anthony Do and graduate student Delores Gonzalez received \$500 each in the first American Cancer Society Multi-cultural scholarship.

This scholarship applied only to Hispanic, Black or Asian/Pacific islanders majoring in a health field.

But many students can still benefit from other scholarships and financial assistance, said SJSU Director of Financial Aid Don Ryan.

"We had \$19.5 million pass through our offices last year," Ryan said. "A great majority of it was based on

need."

To submit applications, undergraduates must maintain 12 units at SJSU. Graduate students need eight units.

Like most students, the three recipients of the American Cancer Society scholarship were hesitant to turn in applications.

"It takes a lot of effort to fill out the application," said Gonzalez, a social works major. "I had to write to the Midwest and make several long-distance phone calls."

Oscar Battle, an SJSU health educator and volunteer for the cancer society, believes SJSU has many qualified students.

"Many people do well but miss the opportunity," he said.

Battle, a scholarship recipient at SJSU in 1972, See SCHOLARSHIPS, back page

Professor creates way to date brass

By Dan Turner

Daily staff writer

A small, twisted chunk of brass found on Agate Beach in Bolinas may be a piece of the embattled "Drake plate," according to Robert Anderson of the materials engineering department.

If the artifact should prove to be genuine, it might be an important piece in a puzzle that has baffled scientists and historians for the last 50 years.

The "Drake plate" was discovered in Greenbrae in 1936 by a young store clerk named Beryl Shinn.

It is a small brass plaque, dated June 17, 1579, which claims the California coast in the name of Queen Elizabeth and states that the new kingdom shall be known as "Nova Albion." It is signed by Francis Drake.

The brass cutting was found three years ago by Leroy Cardoso of Sacramento. Cardoso gave the piece to George Eppersen, a tile contractor and amateur historian, who recognized that it was roughly the size of a jagged hole on the lower right side of the Drake plate.

Since then, Eppersen has been engaged in a long struggle with officials at the University of California



Kathleen Howe — Daily staff photographer

Professor Robert Anderson, right, shows a piece of metal believed to be a part of the "Drake Plate" to beachcomber George Eppersen.

at Berkeley, where the plate is housed, to have both the plate and the cutting analyzed with modern equipment.

As a result of Anderson's findings, he may finally have enough evidence to get the plate.

Since its discovery, the plate has

been surrounded by controversy.

In 1938, Eugene Bolton, director of the Bancroft Library at UC Berkeley, and Allen Chichoring, President of the California Historical Society, collaborated on scientific tests which indicated that the plate was genuine.

See BRASS, back page

Students are already cramming — to get inside overcrowded classrooms

By Sean Mulcaster

Daily staff writer

If Dan Ichige doesn't get to his Asian Studies class early, he says he has to stand for the entire hour.

The senior majoring in administrative justice is not alone. In fact, he has plenty of company at SJSU this semester, where many classes have more students than desks.

"It seems like it's way overcrowded by at least thirty people," he said. "Every time we meet, it seems like it's packed. Usually there are people standing up against the wall after class starts."

Although official enrollment figures have not been released, the squeeze of cramped classrooms is occurring in several departments, according to Lydia Beltran, supervisor of academic scheduling at Facilities Development and Operations.

"We're finding that there seems to be more activity this semester. There have been lots of calls by departments asking for more space," Beltran said.

In the history department, overcrowded classrooms have forced administrators to open new sections.

"Mostly, it's been the GE (gen-

'Usually there are people standing up against the wall after class starts'

— Dan Ichige, student

eral education) classes that have been overcrowded," said Lynn Cole, department secretary of history.

"We had a History 171 class at night and 83 people showed up for a class that was assigned for 33," she said as she looked at a print-out with

53 signatures to add the class.

"It's the first time since I've been here — in seven years — that we had to open another section," Cole said.

One of the problems FDO faces each semester is relocating smaller classes to suitable rooms so larger

classes can use the extra space.

"We try to find the smaller classes and switch them with a bigger class," Beltran said.

"But this semester we're finding that there seems to be more activity. There are lots of calls from departments asking for more space," she said.

Beltran said that regardless of the time of day, there's always a problem with the amount of space available.

With an increase of 300 students in Communication Studies, the squeeze has been more than just

opening additional sections.

"Next semester we have full-time staff who don't have a room for their classes," said Professor Lottie Fryer, assistant chair of Communication Studies.

Another way the department has balanced overcrowding is by offering classes once a week for three hours.

"If the faculty is willing to teach classes that meet once a week for three hours, that would give us extra space as opposed to how most of the classes are now, twice a week.

See CROWDED, back page

FORUM

Spartan Daily

Published for the University and the University Community by the Department of Journalism and Mass Communications Since 1934

Let the kids fall where they may

Bob Ringe's comments in Tuesday's Spartan Daily seem to echo a genuine concern for the campus population (and its children) held by the entire SJSU administration.

"With sharp rocks in the bottom, children will be less inclined to wade in the fountain," Ringe said.

Since the rocks probably won't look sharp through the splashing water, we can only hope that the first little waders warn their pals against taking the painful plunge.

Preventive medicine. Brilliant, but why stop there?

SJSU has plenty of other problems that could be solved with the application of the "sharp rock" philosophy.

Landmines on the lawns would discourage people from walking across them, and eliminate those unsightly footpaths.

The liberal application of nightsticks on rowdies in the pub has the potential to keep that establishment calm and quiet, even during busy hours.

And there is one more SJSU pest we can curb with a bit of violent discouragement. A high-pitched tone that would temporarily deafen telephone solicitors, like the ones employed by Ringe in the fountain campaign, would keep them from invading our homes.

And if they complain?

Just tell them it's thanks to their boss' sharp thinking.

Editorial



Letters to the Editor

Cops were right

Editor,
In the letter to the editor, Julie Angelos asked why it was necessary for three police officers to "trap" a man just because he was speaking to himself, and place handcuffs on him too.

Granted, disturbing the peace is not the most serious crime on the books, but the nice police officers were willing to overlook the man's criminal actions, and they simply asked him to leave the library. The problem laid with the man, not the police officers. The man was arrested for his resistant and violent behavior and not for speaking to himself as was suggested.

To Miss Angelos: do you think that people with violent tendencies should be allowed to roam the campus and break the law at will? What if this same man had sat down next to you in Clark Library and whispered some bizarre things in your ear while you tried to study? Would you call the cops? Would you ask the man to leave? What if he refused? What if he got angry (he hasn't taken his medication today) and stuck a pen in your eye? Would you call the cops or take the poor man home and feed him some chicken soup? After all, he's just "having difficulties dealing with a normal society." He likes pretty girls.

Every semester, naive students like Julie Angelos write to the Spartan Daily (believing everything they read) and criticize the University Police for one thing or another. I'm sick and tired of hearing people bitch and complain about things they know nothing about!! My advice to all naive students at SJSU is to gather the facts before they write a letter to the Daily criticizing the University Police Department. If you have a legitimate concern or opinion that is based on fact and not emotion, express it. If you don't, then mind your own business!

Michael Oreschak
Junior
Radio Television

Editor misinformed

Editor,
I was a financial aid student for three years. Although things didn't always go smoothly — due to faults of my own or the office's — and some reform is needed in the system, there is no need for the exaggerated and misinformed critique of your "journalist."

Specifically, the claim that the office requires a family tree and bases any decision on relatives other than parents of a spouse is completely false. I was never asked any questions about grandparents, either by the office or by any form, and to imply that because (she was not) ethnic, the "journalist" was ineligible, makes the statement false on two accounts. Of course, if she was speaking specifically about a scholarship, that may be a different story, but for the general state and federal aid, she is incorrect.

Also incorrectly stated was that you get no notice of eligibility. After sending in the form, with your information, you receive a preliminary copy to correct any mistakes. At that time, it states how much you are eligible for or if you are eligible for a Pell grant, etc.

Losing classes at fee payment time for C.A.R. is a possibility, but if you have begun the process of financial aid and have made the effort for your file — maybe the author was unaware of the fact that it does take an effort on the part of the would-be recipient and the financial aid office — when the deadline comes, there is a spot on the return form to mark "Financial Aid Deferment." This secures classes until the student's first disbursement date of the semester.

Again, I am not saying that the financial aid office is perfect. Criticism can be beneficial, but that commentary was off on many marks and unfair to the people of the office who, again contrary to the article, do offer help and understanding.

Sian L. Roper
Staff
Institutional Research

Financial aid works

Editor,
Kathy White must think I am a fluke, someone who has outsmarted the financial aid system. Since it seems like she and her friends are in dire need of money to help pay those high college costs, I decided to write to tell them what I did.

When I was young, my parents divorced and my mother had to work to support me and my two siblings. With the help of financial aid she was able to go to college. She's about as white as one can get.

When I was a senior in high school and they told me that I could go to school with the help of financial aid, I applied. I don't remember having to fill out as many forms as Kathy claims to have filled out. Besides, most people don't approve of the government giving out money just because someone says they need it. It is surprising what people will do just to "put a little cash in their own pocket."

I have now spent three years on the system and with hard work in school I have managed to snag a few scholarships. For some strange reason, with every scholarship I get my financial aid seems to decrease. I think there must be some correlation. Another funny thing is that I am white, too. My father is white. My grandmother is white. My family is white. Hmmmm . . .

Kathy, my point is that I seriously doubt that your family's racial background had very much to do with your being denied financial aid. I am sure it must have something to do with the correlation I noted.

For some reason, your image of the financial aid system seems off to me. Perhaps I am just some strange exception. Perhaps you should have conducted a study on a more representative sample of financial aid students before you wrote such a scathing column on the financial aid system. You may have come to a different conclusion.

Rachel Greenburg
Senior
Advertising

Little Triggers



Katarina Jonholt

More than meets the eye

G-en-tri-fi-ca-tion — the word has such a friendly ring to it. It sounds as if it were all about making people's lives nicer and better. But the fancy, five-syllabic word actually stands for one of the ugliest aspects of city redevelopment.

Step by step, sneaky landlords clean, paint walls, install new lights, carpeting and washing machines around unsuspecting tenants.

"How nice," the tenants might think. "Now we don't have to walk four blocks to the laundromat."

Then suddenly, the rent takes a giant leap. Families with many children, single parents, people on welfare and other financially strained individuals are forced to move. The landlord gets a new batch of tenants that better fits his high-class facility.

In areas with rent control, the landlord may instead put the house up for sale and terminate the contracts with those who live there.

The best defense is to be aware that house owners seldom do anything just to please their renters. In fact, if your landlord as much as smiles at you when you pass him in the stairs, it might be a good idea to start checking the housing boards — just to get a head start.

Gentrification has been at work in San Francisco for several years, destroying the atmospheres of old neighborhoods. The damage can be seen in the Haight district, where natives take to the streets or Golden Gate Park and yuppies take over the buildings. Department stores, ritzy dance places and sushi bars spring up that are completely inconsistent with the area's personality.

In San Jose, slum clearance — and student clearance — is a side effect of Mayor McEnery's beautification of downtown.

Disregarding the insufficient subsidized housing project near St. James Park, the millions of dollars spent on downtown construction will do nothing for the city's lower class. The transit mall and the light rail will benefit those who work in the new office buildings. And most of these people don't live in San Jose.

An imaginative way to resist gentrification was invented by some people who live in a Victorian near SJSU. Their landlord had the house painted and repaired, then put it up for sale. The tenants were informed that prospective buyers would be touring the apartments, so they placed buckets of water in the stairs and in the rooms on the top floor. Whenever someone asked what the buckets were for, they said, "Oh, those? It rained yesterday."

The house still hasn't been sold. The mayor may want an elegant downtown and landlords may prefer renting to the gentry, but what really should matter is who needs housing in San Jose. The groups in most dire need are families, low-income people and students.

The city of San Jose should design a plan for providing functional, inexpensive housing for these people. The city would be the landlord and rents could be kept low by having the tenants, collectively, take care of the buildings.

Unfortunately, in this great capitalistic society, development is directed by landlords' greed rather than the people's need.

Forum Policy

Letters to the editor must bear the writer's name, major, phone number and class level.

Deliver letters to the Daily office on the second floor of Dwight Bentel Hall or to the Student Union Information desk.

Attention, Artists!

Are you handy with a pen? Do you have an interest in politics or social issues? Do you like to draw editorial cartoons or standard illustrations?

Then consider having your work published in the Spartan Daily this semester. The entire campus can enjoy your work and you'll have the chance to voice your beliefs on the Forum Page.

Regular contributors can even sign up to earn university credit. Just bring a few samples of your talent. Your work could be enjoyed by the entire campus community.

Anyone interested in contributing either political cartoons or arranging to draw specific illustrations for stories on a case-by-case basis, contact either Katarina Jonholt, fall semester editor in chief, or Mike Lewis, fall semester Forum Page editor at 924-3280.



Michael Burke, Bill Caparella, Bob Stockwell

Teacher to help design modern Soviet camp

By Dan Turner
Daily staff writer

At most summer camps, children make wallets, sing songs and torture counselors.

At the Tbilisi camp, they help build a state-of-the-art, self-sufficient, solar-powered home.

Environmental studies coordinator Donald Aitken is one of eight American experts chosen by the Soviet government to help design and build a 21st century camp in the Soviet Union.

The project is part of a cultural exchange program between youths in the two countries.

The camp will contain solar-powered computers and a green house for growing food. Extremely energy-efficient, it will run entirely on natural resources.

"The Soviet Union is the most energy inefficient of the industrialized nations," Aitken said. "They're realizing that they're going to have to make a change there fast. They have to quit throwing money away foolishly on waste."

The Tbilisi camp is the fourth in a series of camps in the Soviet Union and America in which 25 high school students from each country meet to exchange cultures and learn about alternative energy technologies.

The American counterpart to the Tbilisi camp is the Rocky Mountain School in Colorado, where the teenagers met last summer.

Aitken, a world-record holding aviator, was appointed to direct the U.S. Department of Energy Solar Applications Program in 1979.

When the Reagan administration took office, however, he and his program were immediately dismissed.

"Now we're doing for the Soviet Union exactly what we would have liked to do here," Aitken said. "That's part of the irony of the whole situation, but part of the beauty too."

"The Reagan administration has had a colossal misunderstanding of the whole energy field," he continued. "They have never understood the relationship between energy policy and the economy. They believe that using more energy strengthens the economy, and the truth is that using less energy more efficiently strengthens the economy."

Aitken said that after the oil crunch of the early '70s, certain im-

provements were made in energy efficiency. Because of those improvements, the United States spent \$150 billion less on energy this year than it would have otherwise.

"That's the size of the national debt," Aitken said. "We could have done that again, if the Reagan administration had taken energy efficiency seriously. We could have saved \$150 billion out of last year's \$500 billion energy bill."

The Russians, Aitken said, have become increasingly concerned with finding alternative energy sources, especially since the Chernobyl disaster.

The Tbilisi camp is one response to that concern.

Tbilisi is located near the Caucasus Mountains in the Georgia district of the USSR. The American team chose the location for the camp.

The team will build the structures partly into the hillside to protect them from the cold, and the south walls will consist mainly of glass to attract solar heat. The electricity for the lights and computers will come from solar cells.

Because of the Soviet Union's cloudy and frigid climate, it can never completely rely on solar energy. According to Aitken, though, the Soviets could still get 30 to 50 percent of their energy requirements from the sun if their buildings were designed appropriately.

In the warmer climate of the United States, the percentage would obviously be much higher. In California the buildings could become completely energy self-sufficient.

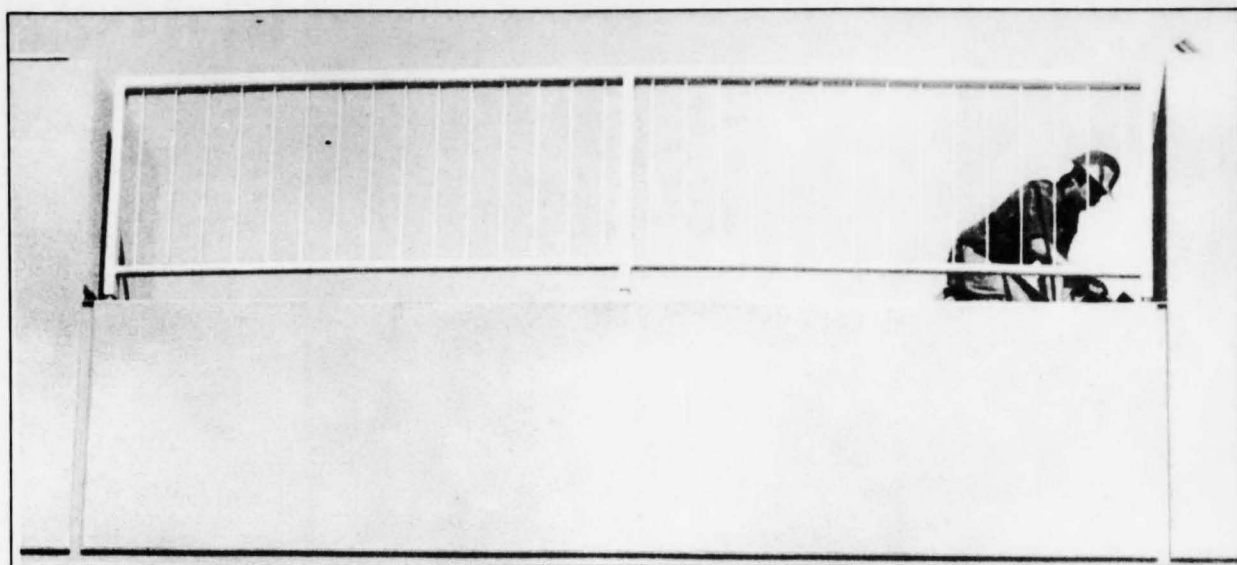
After the Tbilisi camp is built, the Soviets will use it as a retreat for top scientists and policy-makers.

The Soviets hope to use the camp as an example that can be replicated in other parts of the country.

Aitken, who normally charges \$1,000 a day for his designing services, agreed along with the other seven members of the team to waive his fees for the project.

"The most important part of this to me has been the human relationships," Aitken said. "I can't describe the depth of the feelings this thing has inspired. You feel like you're a brick in the peace bridge, and it's an amazing feeling. Not only did we waive our fees, we all agreed that if they couldn't afford to pay our expenses, we'd pay them."

Lonely at the top



Greg Walton — Daily staff photographer

A lone construction worker labors on the roof of the new Rec Center, which is scheduled to open in March

Cleanup completed after diesel fuel spill

By Mary Hayes
Daily staff writer

Cleanup of a diesel fuel spill on campus has been completed, eliminating any health dangers, according to the facilities development and operations department.

Several hundred gallons of diesel fuel leaked from a tank into the surrounding soil and nearby sewer drain at SJSU's central plant Sept. 1.

The sewer, located at 10th and San Carlos streets, has been flushed and the soil has been excavated, said Pat Moss, building trade utilities service manager of the facilities development and operations department.

Officials originally determined that more than 1,600 gallons of fuel had leaked. However, that estimation was incorrect due to a miscal-

ulation of the tank's diameter, Moss said.

"The person who made the calculation was assuming that it came from a tank that was 10 feet in diameter, rather than the actual eight feet," said Charles Nicholson, an environmental health sanitarian with the County Health Department.

"It turned out to be less than 400 gallons, of which approximately 50 went into the storm drain," Nicholson said.

The rest of the fuel spilled into the grass and against the building, he said.

Inspection of the sewer's interior revealed that the amount of fuel spilled into the drain imposed no health hazard. Water must contain a considerable concentration of diesel fuel before it becomes toxic, Nicholson said.

He said diesel fuel has an oily

consistency and is easily visible. But the sewer showed little evidence of fuel.

"A large amount of something like that would stick inside of the sewer, and you would be able to see it," Nicholson said.

International Technologies Cor-

poration conducted the clean-up, Moss said.

The San Jose Fire Department, The State Department of Fish and Game, The Public Health Department and the Public Works Department all responded to the incident, he said.

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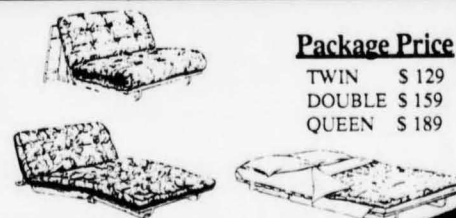
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SpartaGuide

SpartaGuide is a daily calendar for SJSU student, faculty and staff organizations. Items may be submitted on forms in the Daily office, Dwight Bentel Hall Room 208, but will not be accepted over the phone. Deadline for the next day's publication is noon.

TODAY

Campus Ministry: Prayer group, 3:30 p.m., Campus Ministry Center, 300 South 10th St. For information call 298-0204.

Bible Study: 7 p.m., Campus Ministry Center, 300 South 10th St. For information call 297-7506.

SJSU Film Production Club: Meeting, 2 p.m., Hugh Gillis Hall Room 222. For information call 924-4571.

Career Planning and Placement: Career planning group, 3 p.m., Business Classroom 13. For information call 924-6033.

Making a Difference '88: Community service volunteer recruitment fair, 9 a.m., S.U. Ballroom. For information call 924-6240.

TUESDAY

SJSU Marketing Club: JC Penny retail marketing strategies and job training programs, 3:30 p.m., S.U.

Almaden Room. For information call 281-3161.

Student Health Advisory Committee: Meeting, noon. For information call 371-5787.

Campus Crusade for Christ: Tuesday Nite Live, 7:15 p.m., S.U. Umunhum Room. For information call 294-4249.

Career Planning and Placement: Job Hunting Techniques for Educators, 1:30 p.m. and 4 p.m., S.U. Umunhum Room. For information call 924-6033.

Career Planning and Placement: Meet the Accounting Employees, 4:30 p.m., University Room. For information call 924-6033.

Christian Students Fellowship: Bible Study, 11:30 a.m., S.U. Guadalupe Room. For information call 268-1411.

Asian American Christian Fellowship: Meeting, 7 p.m., S.U. Costanoan Room.

WEDNESDAY

Akbayan: Meeting, 2 p.m., S.U. Guadalupe Room. For information call 972-9882.

AIESEC: Meeting, 11 a.m., S.U. Guadalupe Room. For information call 924-3453.

AIDS victim may die before new court date

SAN JOSE (AP) — A hospital has won a delay in the trial of a lawsuit by an AIDS patient who contracted the illness from a tainted blood transfusion and may not live to see her day in court, her lawyer said.

The 6th District Court of Appeal in San Jose issued the delay in a suit by AIDS patient Edwina Murphy, 47, of Salinas, who contracted AIDS during a blood transfusion in December 1983.

Murphy is seeking \$1.5 million in damages from Community Hospital of the Monterey Peninsula, where she contracted the fatal disease.

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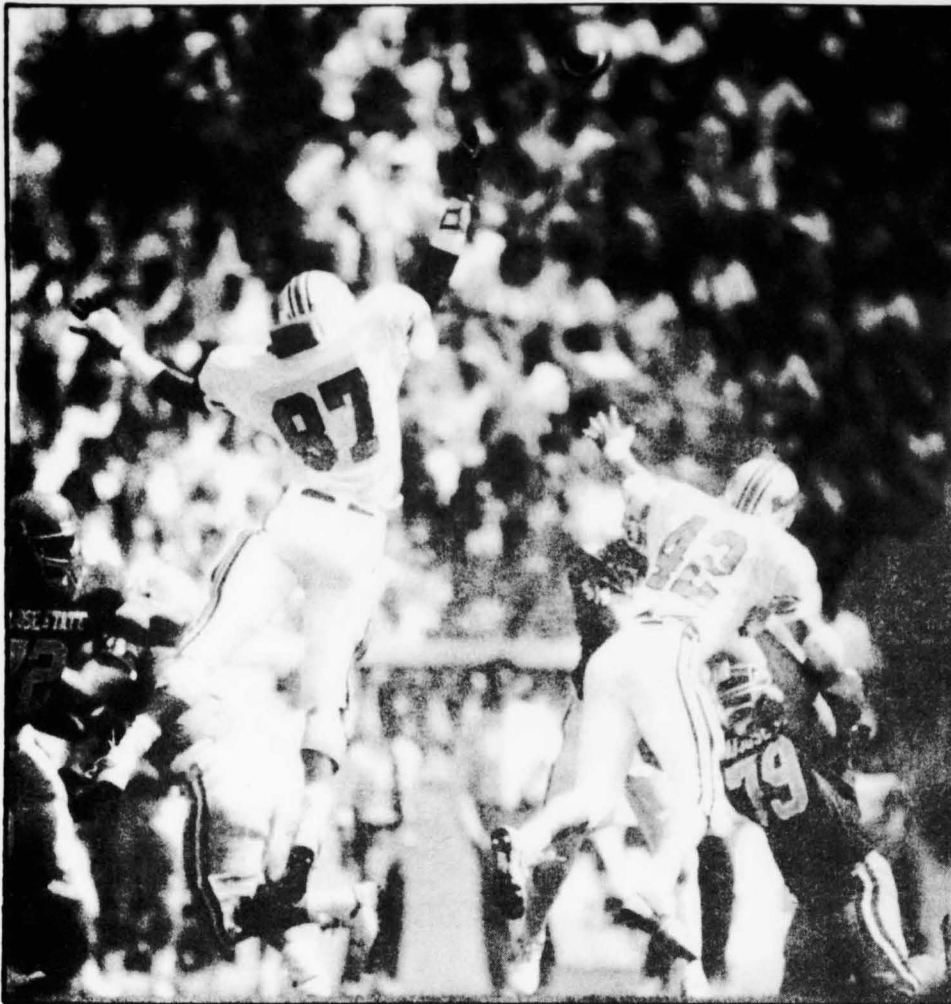
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Larry Strong — Daily staff photographer

OSU linebackers Jim Cureton (87) and Todd McKinney rush SJSU quarterback Ken Lutz.

Turnovers plague Spartans in 41-27 loss against OSU

By Sean Mulcaster
Daily staff writer

Moving the ball between the 20-yard lines with ease is one matter SJSU met and conquered in its home-opener against Oregon State Saturday.

Being rewarded was quite another thing as the Spartans found out in a frustrating 41-27 loss to the Beavers before 17,183 sun-drenched spectators at Spartan Stadium.

Despite a savvy performance by senior quarterback Ken Lutz, who threw for 415 yards while completing 35 of 43, SJSU was a mistake-prone bunch as they turned the ball over to the Beavers seven times. SJSU threw four interceptions and had three fumbles and allowed six quarterback sacks.

Despite the lofty numbers, Lutz downplayed his performance, but said that SJSU was an improved team offensively.

"They were good numbers, but I don't take any satisfaction in that at all when you produce a loss," he said. "We moved on them at will and then we turned it over. We ran the same plays all day."

Coupled with a porous run defense that gave up 197 yards and a

non-existent pass rush, the Spartans were also victims of the big play.

"We were not able to sustain some drives and there were some turnovers that really stopped us," Head Coach Claude Gilbert said after his team's first loss of the season.

"We had the same problem as last year. We just couldn't play good enough football or put any pressure on Wilhelm," he said.

The Wilhelm he's referring to is Erik, the Beavers' quarterback who threw for a little more than half of Lutz' totals — 24 of 39 and 240 yards — but did not throw an interception. He was unscathed the entire afternoon thanks to some excellent pass protection by the OSU offensive line.

"He had enough time to find his receivers and they had enough time to get open," Gilbert said. "And they did. Basically, they just whipped us. We were not quite ready to beat that caliber of team."

OSU ran the ball effectively at every part of the SJSU defense. The Spartans' most glaring weakness was stopping the Beavers' sweep.

"They ran their sweep and pounded that thing at us. Under the

circumstances, we played as well as we could. I'm a little disappointed," Gilbert said. "I thought we'd be quicker and more tenacious defensively. But their size and strength neutralized us."

"We made so many mental mistakes," linebacker Norman Brown said. "I think that we have to come together. We still have cracks in the wall. And Like Coach Gilbert said, 'It's got to be one wall.' It has to be us together."

On the Spartans first possession, Lutz guided them to the six-inch line before E.C. Phillips was denied on fourth down. It was a telling sign for SJSU.

"They're pretty strong people and physically, we just couldn't move them out of there," Gilbert said. "I don't think we were ourselves. We wore down in the second half and looked a little tired and sluggish."

OSU's Brian Taylor opened the scoring with an impressive 70-yard with 5:23 remaining in the first quarter to put the Beavers ahead, 7-0.

Lutz moved SJSU with throws of 17 yards to wide receiver Kevin Evans — 11 catches for 163 — and 17 to flanker Scott Wells.

See FOOTBALL, page 5



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Alumni slam volleyball squad

By Stan Carlberg
Daily staff writer

After winning the Lady Ute Invitational Tournament, the SISU

Women's Volleyball Team (7-0) took on its alumni. And got whipped. "We wanted to see how we could

do against a strong hitting team," assistant coach John Corbelli said. "Actually, both teams were inconsistent, but I think their (alumni) experience carried them over our much younger team."

The alumni, including one pro Christina Cook of the Minnesota Monarchs, downed the Spartans 4-1 in a five-set exhibition match Thursday night at the Spartan Gym.

However, the Spartans used the exhibition mainly to improve the squad's weak spots before their Big West Conference season opens.

"We ran into a lot of kinks," Corbelli said. "But it showed us where we are and helped us identify some areas we have to work on."

Although the scores don't show it, 13-15, 15-11, 10-15, 8-15 and 10-15, the Spartans' performance did have occasional bright spots.

Sophomore outside-hitter Betsy Welsh led all players with 15 kills, seven digs and a hitting average of .289.

"Betsy played really well for us," Corbelli added.

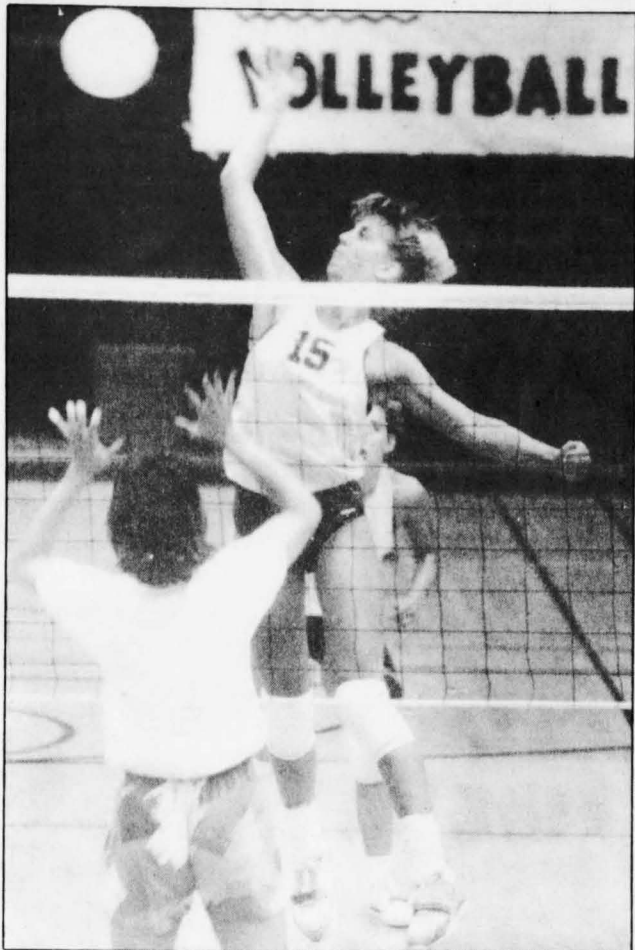
The Spartans, who are ranked 15th in this week's poll by the American Volleyball Coaches Association, can take the defeat as good or bad.

"It can be a valuable experience for us," Corbelli said. "But it depends on how we use it."

"It was the first competition we had against a real strong team, so we have to take that into consideration. We're potentially strong, and if we can play to our potential, we'll be able to beat some good teams. It all depends on how we handle it."

Head Coach Dick Montgomery was not able to lead the squad in Thursday's match because he was attending his mother's funeral in Oregon. He should return for the Spartans next match, Sept. 16 at St. Mary's College.

The first SJSU home game is Friday, Sept. 23 against Fresno State.



Greg Walton—Daily staff photographer

Middle blocker Kari Roberson prepares to spike the ball

Football

From page 4

Lutz then connected with Evans again for 18 yards to the OSU 11 before he threw his first touchdown pass of the season to fullback Jim Francis to tie the score, 7-7.

With 14:51 remaining in the second quarter, Wilhem threw his first of three touchdown passes, a 30-yard strike to Bryant Hill to put OSU ahead 14-7.

On OSU's next possession, Lutz threw for Evans across the middle of the OSU secondary. Strong safety Teddy Johnson didn't move and intercepted the pass at the 30.

"Today we had so many mental

lapses," tailback Johnny Johnson said. "We moved the ball with ease and would get down there and then we would have the penalties, the fumbles, the interceptions."

After Wilhelm connected with flanker Robb Thomas for 14 yards to the SJSU 14, the Beavers moved to the SJSU one-yard line. And the Spartans almost returned the favor, holding OSU until third and goal, when Pat Chaffey scored to make it 21-7.

"So many things happened, it was a long, long ballgame," said OSU Head Coach Dave Krughorpe. "I had a tough time keeping track of them. There were so many turning points."

After completing a 32-yard pass to

tailback Johnson to the OSU two-yard line, Lutz bobbled the snap on first down, his fourth bad exchange in the half. He recovered and found Robert Lewis for a two-yard score to make it 24-16 at halftime.

"In the first half we let them come back," said Krughorpe. "I think we should have been up 24-7. We just didn't play good defense in the first half. But we came back and did what we had to in the second half."

"We showed our potential offensively," Gilbert said.

"I think their running game and defense neutralized a little bit of our style."

SJSU now faces the toughest part of its schedule as three of its next four opponents are from the Pac-10.

Snaky



David Rose



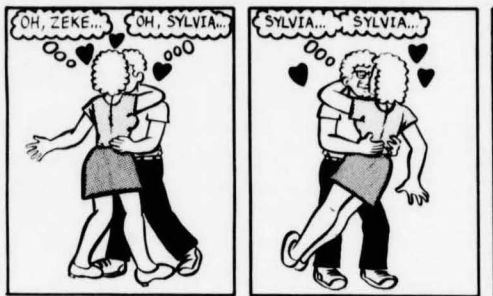
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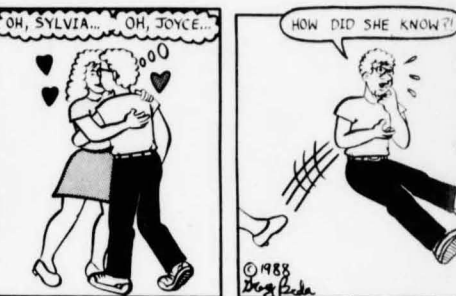
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Fresno State steamrolled by Colorado

BOULDER, Colo. (AP) — Jeff Campbell and Eric Bieniemy ran for quick third-quarter touchdowns and Colorado's new power-I attack generated 446 yards on the ground to steamroll Fresno State 45-3 Saturday in the Buffaloes' college football opener.

The Buffs, abandoning their traditional wishbone, scored virtually at will in the second half after dominating the first half but taking only a 10-3 lead.

On the third play of the second half, Campbell, a 170-pound split end, took a reverse around left end

and scampered 74 yards for a touchdown.

Fresno State, a 68-21 victor over New Mexico last week, couldn't handle Colorado's superior speed. The Bulldogs' lone score came early in the second quarter, thanks to a botched Colorado punt.

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Brass

From page 1

In 1977, however, Bancroft Library Director James Hart conducted new tests on the plate at the Berkeley Laboratory and concluded that it was made of 19th century brass.

The matter was not put to rest there, though, because many scientists dispute Hart's findings. Robert Power, then President of the California Historical Society, studied an x-ray of the plate and found numerous traits and letter styles which indicated the plate to be an authentic Elizabethan manuscript.

If the plate is genuine, it is the oldest written document in the United States and is of enormous historical value.

The controversy is complicated

because there is no known method to age date brass. According to Anderson, copper alloys have no solubility for carbon, so the standard carbon-14 dating test can't be used on them.

Anderson, however, has developed a new non-destructive technique that can roughly determine age using resistivity.

"When the copper alloy is formed, it's not at equilibrium," Anderson said. "As it cools, diffusion occurs to try to return the metal to its equilibrium state. That diffusion is time-dependent; if you have some idea that it hasn't been heated again, you can determine the age."

Anderson's technique measures the effect of diffusion by placing a specially calibrated probe on the metal and measuring changes in resistivity when the brass is heated.

With the help of engineer Mike

Pyzyna and state-of-the-art equipment at CMC Data Tape in Santa Clara, Anderson was able to determine exact percentages of the various elements that make up the cutting.

By comparing these percentages to data from the 1937 composition analysis, Anderson has proved that the cutting is at least worthy of continued study.

The next step, according to Anderson, is to examine the 1977 test results and compare the cutting with them, after which Eppersen may have enough evidence to demand access to the plate. If Hart refuses, Eppersen will consider bringing suit against UC Berkeley.

"It's not only me who will be injured, it's the whole country," Eppersen said. "This is the most historic document in the country."

Scholarships: Money available to students

From page 1

would like to see minorities recognized for their accomplishments.

"In the past, minorities get benefits, but then don't receive any recognition," he said.

Battle said the American Cancer Society opened the scholarship so that minority students would gain a better knowledge of cancer.

"For this scholarship, the cancer society had a fund raiser," he said. "And what money came out of it went to minority ethnic groups."

The three recipients said the money is appreciated.

"This will be great financial assistance for me," said Do, who's majoring in health science. "It also gives me a feeling of recognition and achievement. I'm graduating this semester, and this will be something I can put on my resume."

'This will be great financial assistance for me.'

— Anthony Do, scholarship winner

ment are nearly full. "It's been busy. We haven't been able to make a lot of the changes we need, because we don't have the space," she said.

Although exact figures have not been published, the social science department has also had an increase, according to Emi Nubuhiro, its administrative operations analyst. "It's difficult to know what the

"For me, it means recognition. That's important," Gonzalez said. "It also means financial assistance. Being an older student, I have other obligations like house payments."

The cancer society has asked the scholarship recipients to volunteer 20 hours and will introduce them to some of the services it offers the community.

"As a bilingual person, I know there is a tremendous need for health education," Gonzalez said. "This will give me an opportunity to reach out in the community to people who aren't aware."

Crowded: Too many students, not enough seats

From page 1

"Even if we do have the allocation of full, or part-time instructors and have the students, the point is we don't have the space," Fryer said.

"We have problems every year. But it seems to be getting worse," she said.

Besides History 171, Cole said that all of the courses in the department

are nearly full. "It's been busy. We haven't been able to make a lot of the changes we need, because we don't have the space," she said.

Although exact figures have not been published, the social science department has also had an increase, according to Emi Nubuhiro, its administrative operations analyst. "It's difficult to know what the

exact enrollments are going to be from semester to semester," Nubuhiro said.

"Some departments will fill to capacity, while others will only go to room size. It all depends on the policy of that department. Right now, Asian studies are out of sight. And the overall enrollment of the social sciences school has increased," she said.

Reagan says courts became tougher

WASHINGTON (AP)—President Reagan said Friday that federal courts have cracked down on criminals since he took office and accused Senate liberals of foot-dragging on 28 pending judgeship nominations.

In a speech prepared for delivery to a convention of the lawyers' organization known as the Federalist Society, Reagan said that "as more and more of our appointees have served, federal courts have become tougher and tougher on criminals."

The president said that "some failed to take our emphasis on crime seriously," even though the average federal prison sentence grew by almost a third from 1980 to 1986.

Reagan told the lawyers, for instance, that liberals in the Congress and in law schools around the country scoffed at his attempt to stop drug trafficking and abuse.

"Eight years ago, even the idea of a war on drugs was greeted with amused smiles in this smug capital," he said. "The last liberal administration had started to lose interest in narcotics cases altogether."

"We changed that," Reagan said. "We hired more than 4,000 new (drug enforcement) agents and prosecutors." He said that Vice President George Bush oversaw a program to coordinate federal, state and local efforts to combat drug trafficking.

Film

From page 1

"The amount of money going to defense directly affects the amount of money going to education," he said.

He said he chose to produce the documentary because television is an effective means of reaching a large audience.

"Very few people are reading sociology books. This is an effective way of reaching people at a gut level," he said.

The program is the fourth documentary Glimer has produced with KTEH. He is a volunteer producer and has conducted all interviews for the program.

"I think the program is balanced," he said.

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SPARTAN VOLLEYBALL

HOME SCHEDULE

DATE	OPPONENT	TIME
Sept. 8	Alumni Exhibition	7:30 PM
Sept. 23	Fresno State	7:30 PM
Sept. 24	Texas A & M	7:30 PM
Sept. 27	Stanford	7:30 PM
Sept. 30	Cal Poly-SLO	7:30 PM
Oct. 1	UC Santa Barbara	7:30 PM
Oct. 4	Santa Clara	7:30 PM
Oct. 19	Notre Dame	7:30 PM
Oct. 21	Cal State Fullerton	7:30 PM
Oct. 22	San Diego State	7:30 PM
Nov. 4	UCI	7:30 PM
Nov. 5	Long Beach State	7:30 PM
Nov. 15	Pacific	7:30 PM
Nov. 21	California	7:30 PM

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