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Spartan Daily

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Wednesday, October 24, 1979

Social Sciences want lower SFRs

Students seek option to vote for personnel

by Lori Eickmann

The Student Affairs Committee of the Academic Senate met Monday to discuss opposing Associated Students and Senate resolutions dealing with student participation in the appointment, retention, tenure and promotion of SJSU faculty members.

A subcommittee was appointed to draft a resolution which calls for direct, voting student participation on personnel committees, so the committee may present its arguments to the Senate at next Monday's meeting.

The Senate postponed debate last Monday on a resolution by the Professional Standards Committee opposing student voting and non-voting membership on personnel committees so the Student Affairs Committee could respond to the issue.

"I am quite dismayed with the (Senate) resolution," said Nancy McFadden, A.S. president. "There is no spirit of compromise at all."

Robert Martin, dean of Student Services, called the Senate resolution "pretentious. I don't know where the people who wrote this are coming from."

"Why are an appreciative number of faculty opposed to student input in this area?" Martin asked.

"It's not an issue of student involvement, it's whether students are peers or not, and they're not," said David McNeil, chairman of the Professional Standards Committee.

"The peer principle has been sacred for centuries," he said. "Professional standards are embodied in the department and a student is not a member of the department."

McNeil said the committee does not devalue student input, and that students have a voice through other means such as writing letters to

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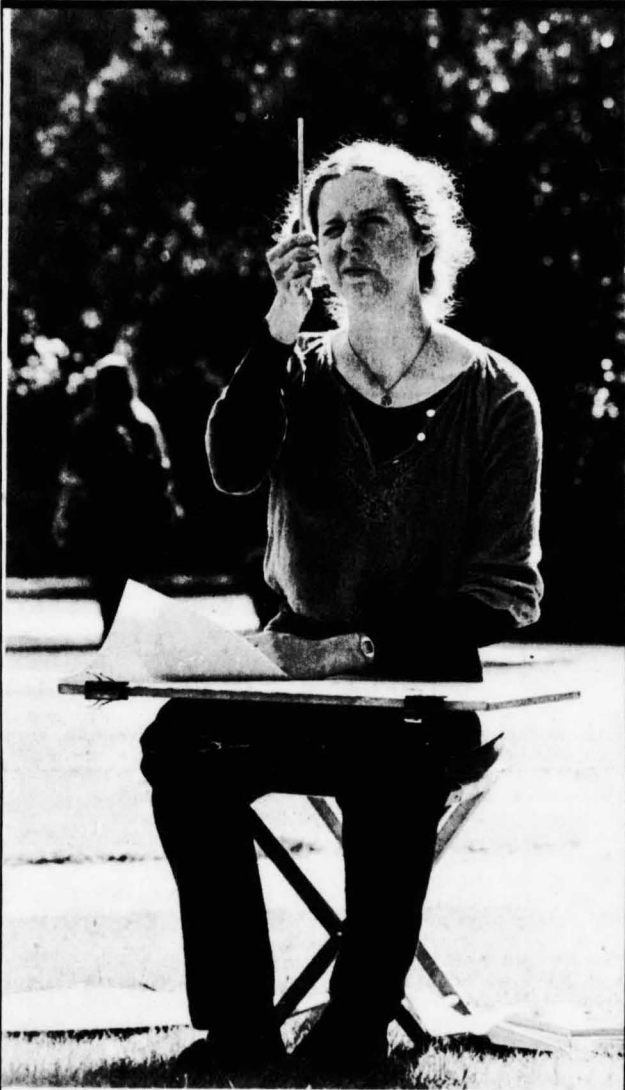


photo by Tom Duncan

Sizing the scene

Art Senior Elise Guidoux gains perspective on the Home Economics Building for a project for her representational drawing class, Art 26.

Spill blamed on lack of skill

by Craig Henderson

San Jose Public Works Director Anthony Turturici blamed the San Francisco Bay sewage spills on a "lack of skilled operators" in the San Jose-Santa Clara sewer plant during Student Union Forum, a KSJS-Radio program taped in the S.U. Monday.

Moderator Cindy Havens and audience members questioned Turturici and SJSU biology Prof. Thomas Harvey about the spill that occurred last month.



Thomas Harvey

Turturici said only 25 of 30 positions for qualified operators were filled.

"The plant is operating at an optimum level now because some employees are working 16-hour shifts and getting three to four hours of sleep," he said.

Turturici said the only way to solve the understaffing problem in the immediate future would be to "raise salaries to attract people from other plants."

He said drawing people from other plants would solve the understaffing of the San Jose-Santa Clara sewer plant but cause understaffing for those plants losing people.

Harvey said the sewage spill hurt bay wildlife because it contained "organic material that requires oxygen, resulting in oxygen depletion." Harvey said this time of year is the "worst time" for such an oxygen depletion because the relatively warm water holds less oxygen.

Harvey plans to head an ongoing study of the bay environment. The study would gather a "baseline set of information" to be used to determine the recovery rate of the bay if another spill occurred.

Harvey has asked Rep. Don Edwards, D-San Jose, to lobby for funding of the study. The study would be conducted by Harvey and Stanley Associates with the Marine Research Center in Emeryville.

Harvey said the sewage spill was part of a large environmental problem caused by too much growth.

"We must recognize that we can't continue to allow uncontrolled

growth," Harvey said. "The more people an area has, the more money it takes to keep the environment livable."

Turturici insisted the discharge of chlorine that occurred after the sewage spill not be referred to as "the chlorine spill. A chlorine spill implies that a large barrel of chlorine was accidentally dumped into the bay," Turturici said.

Turturici said sewage is required to be chlorinated before it enters the bay. Sulphur dioxide is used to neutralize the chlorine.

According to Turturici, the plant ran out of sulphur dioxide, and chlorinated water that had not been neutralized entered the bay. "It had the same amount of chlorine as drinking water," he said.

Turturici said, "We are making provisions for extra sulphur dioxide in case such an occurrence happens again."

Two charges dropped for the SJS 5

The trial of the SJS 5 concluded yesterday with final arguments following a dismissal of two of the three charges against the protesters.

Charges of disturbing the peace on a CSUC campus and carrying prohibited weapons on campus were dropped. Jury deliberations over the remaining charge of holding an illegal rally will begin today.

According to defense attorney Thomas Ferrito, the illegal rally charge was added by the

by Lori Eickmann

Chairpersons from four departments in the School of Social Sciences will meet with the Enrollment Patterns Committee to ask for lower student faculty ratios (SFRs) in their departments. No date has been set for meetings.

The departments are Urban and Regional Planning, Speech-Communication, Economics and Environmental Studies.

SFR represents the average number of full-time students per full-time faculty members. In general, a high SFR means larger classes.

The committee handed down recommended SFRs for all departments on May 18.

Marie Carr, chairwoman of the Speech-Communication Department, said courses are classified according to enrollment. She believes certain courses in the department should be reclassified for lower enrollment.

For example, "in a skills course, the more speeches the students give, the better," Carr said. "But we have no time to do many speeches because there are too many students."

Carr said lecture and instruction time suffer to allow students to perform oral presentations - or vice-versa.

"We're in a bind, a catch-22," she said.

The committee's recommended SFR for Speech-Communication is

19.0-21.5. Carr said they would prefer an SFR of 17.8.

Donald Rothblatt, chairman of the Urban and Regional Planning Department, believes his department's SFR is only slightly higher than is preferable.

"I think we were treated reasonably," Rothblatt said. But the current SFR "pushes us beyond the limit of what we believe is good."

The department's assigned SFR is 10.5-12.5. Rothblatt said they would prefer 9.0-11.0, based on the American Planning Association's recommended SFR of 10 students to

one instructor.

"The APA granted us recognition on the basis of 12 units per four semesters," he explained. "They assume a 12-unit load is full time."

SFRs are based on full-time equivalent (FTE) students carrying 15 units. However, Rothblatt said, a graduate student carrying 12 units has a workload approximately equal to an undergraduate carrying 15 units.

"All graduate programs have this problem," he said.

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Ratios draw protest

by Eric Hammond

The proposed student-faculty ratios (SFRs) released by John Foote, dean of Academic Planning, have drawn heavy protest from department heads who say the method used to determine them is unfair.

SFRs are important to faculty and students because they determine the minimum size of a class. Further, SFRs determine how small enrollment and class size can get before a department is forced to lay off faculty.

Jack Kuykendall, chairman of the Administration of Justice Department, is protesting the method used by the Enrollment Patterns Committee, which set SFR, to determine the SFRs for his

department.

He said the mathematical formula the committee uses to determine the minimum and maximum SFRs discriminates in favor of departments that get most of their enrollment from required general education courses.

The formula used by the Committee also fails to take the workload of a faculty member in a department with high major enrollment into account, Kuykendall said.

The typical Administration of Justice faculty member must advise between 70 and 120 students, teach 120 students, and serve on three faculty committees each semester, Kuykendall said.

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Diridon faces recall petition

by Jan Flanery-Taylor

A recall petition charging Santa Clara County Supervisor Rod Diridon with ignoring the wishes of his constituents, among other charges, may be political sabotage, Diridon said Monday.

The petition was filed Tuesday, the day the county board voted to put the gay rights ordinance on the June ballot.

Diridon said the recall attempt, instituted by five individuals, "smacks of the old Watergate dirty tricks."

Diridon said he is the target of the recall attempt, because "I'm the only one who is being rumored for higher office."

The group's efforts could damage his career, he said. "It's clouding my potential electability as a senator."

Diridon said the recall effort is a "blatant misuse" of the recall process, having no legal grounds.

The group, which Diridon said is "all conservatives," may be trying to keep him out of the Senate seat being vacated by Sen. Jerry Smith, D-Saratoga, who has been appointed to the First District Court of Appeals.

Diridon has not yet announced his candidacy, since Smith has not yet been confirmed.

Among the charges were: ignoring the wishes of constituents, in issues including the gay ordinance; bearing large responsibility for the county's "financial mess;" and meeting with political supporters while the board passed the annual budget.

The petitioners also charged Diridon had the largest staff among

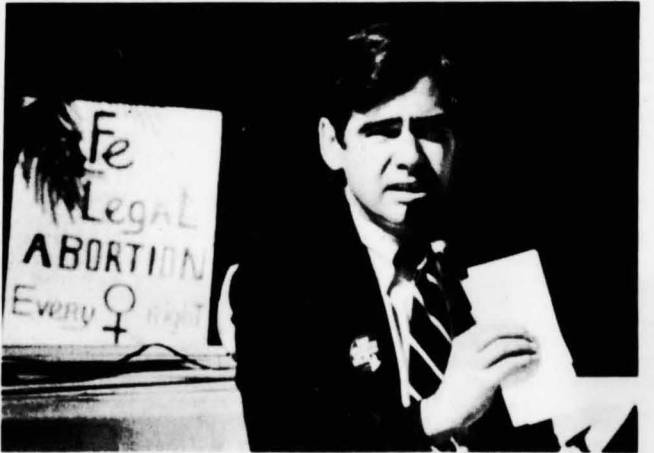


photo by Sharon Hall

Santa Clara County Supervisor Rod Diridon, who is facing recall, spoke at an abortion rights rally on Sunday.

the supervisors and used it for personal campaign purposes, and that Diridon opposed private property rights.

Diridon said the charges were "half-truths and falsehoods," and he reiterated his support of the gay ordinance.

He said the public knew of his stands on gay rights when it re-elected him by 62 percent of the vote.

The supervisors are not responsible for the "financial mess," the petitioners referred to, he said, since the county's finances are handled by County Executive Bill Siegel.

Diridon said he had missed only one item on the budget, when the board meeting adjourned before he

could return from a meeting in Palo Alto. He had already voted on more than 100 budget items, he said.

Diridon denied having the largest staff of any supervisor, saying he used CETA employees instead of county workers, and had a budget of about \$11,000 less than other supervisors.

Diridon said the grand jury had cleared him of any wrongdoing involving personal campaigning in its routine report on the supervisors.

The charge involving opposition to private property rights stems from an individual who built a house without a permit, he said.

His stand on property is well known, he said. Basically, he is against urban sprawl.

According to Ferrito, the incident touched off a University Police effort to monitor the activities of RCYB members.

Ferrito said University Police contacted seven other agencies including Los Angeles Police Department, Los Angeles Sheriff's Department, Albany, Calif., Police Department, Berkeley Police Department, UCLA Police, University of California Police and the San Jose Police Department.

A tape recording with a three-minute gap made by campus police of the arrests was also introduced into the trial.

"It's Watergate kind of stuff," said Ferrito.

Ferrito noted that campus police had constructed a six-inch file on RCYB activities although it was not disclosed over how long a time period.

University Police refused to comment.

Dumke uninformed on SJSU problems

by Morgan Hampton and Steve Hastings

Chancellor Glenn S. Dumke came to SJSU Thursday through the back door - the dining room of the International Center on 11th Street - with very little to say about SJSU.

A "tight schedule" prevented his making an on-campus address, he said. Dumke's last appearance at SJSU was for the inauguration of SJSU President Gail Fullerton April 24, when he was quoted for calling the event "a significant moment in San Jose State University history."

According to R.G. Whitesel of the chancellor's institutional research office, SJSU is lagging behind the rest of the state universities in stabilizing its enrollment.

Whitesel said SJSU's enrollment decline this semester "seems to be the most serious" of the system's universities.

"In terms of total numbers, it (SJSU) has sustained the biggest numerical drop," Whitesel said.

We asked the chancellor whether the present trend in high

made by some that if cuts are made, they should be made in the immense bureaucracy of the system.

"We don't have an immense bureaucracy!" Dumke barked.

"I'm running this system with a central office which is smaller than any comparable central office in the country," the chancellor added.

"I sacrificed 17 positions in my office and I cut my budget over \$300,000, just in the central office," Dumke quickly added.

Compare us with the University of California, he offered.

We don't know if this is a fair

Dumke doesn't think SJSU is having any more enrollment problems than most universities. We call this uninformed.

Dumke appears to know very little about SJSU, as he demonstrated in an interview with the Spartan Daily following his scheduled lecture on Richard III to university officials.

With Fullerton at his right hand, the chancellor generalized his answers to questions on enrollment problems at SJSU, tuition, faculty salaries and current enrollment trends toward business.

When asked why SJSU continued to show serious declining enrollment while the system as a whole is stabilizing, Dumke offhandedly remarked:

"I don't think San Jose is having any more enrollment problems than most universities."

We call this uninformed.

enrollment in the professional programs at SJSU could lead to a change in focus from the liberal arts to professional schools.

His answer resembled a press release from the public affairs office:

"Obviously within our system we tell each campus and each president to build on their strengths."

"San Jose has many strengths - it has developed in many ways, it has strong areas in many fields and those strengths will be built on," Dumke said.

We call this dodging.

Aside from SJSU, Dumke had plenty to say about a subject closer to home - himself; his office.

We asked him about charges

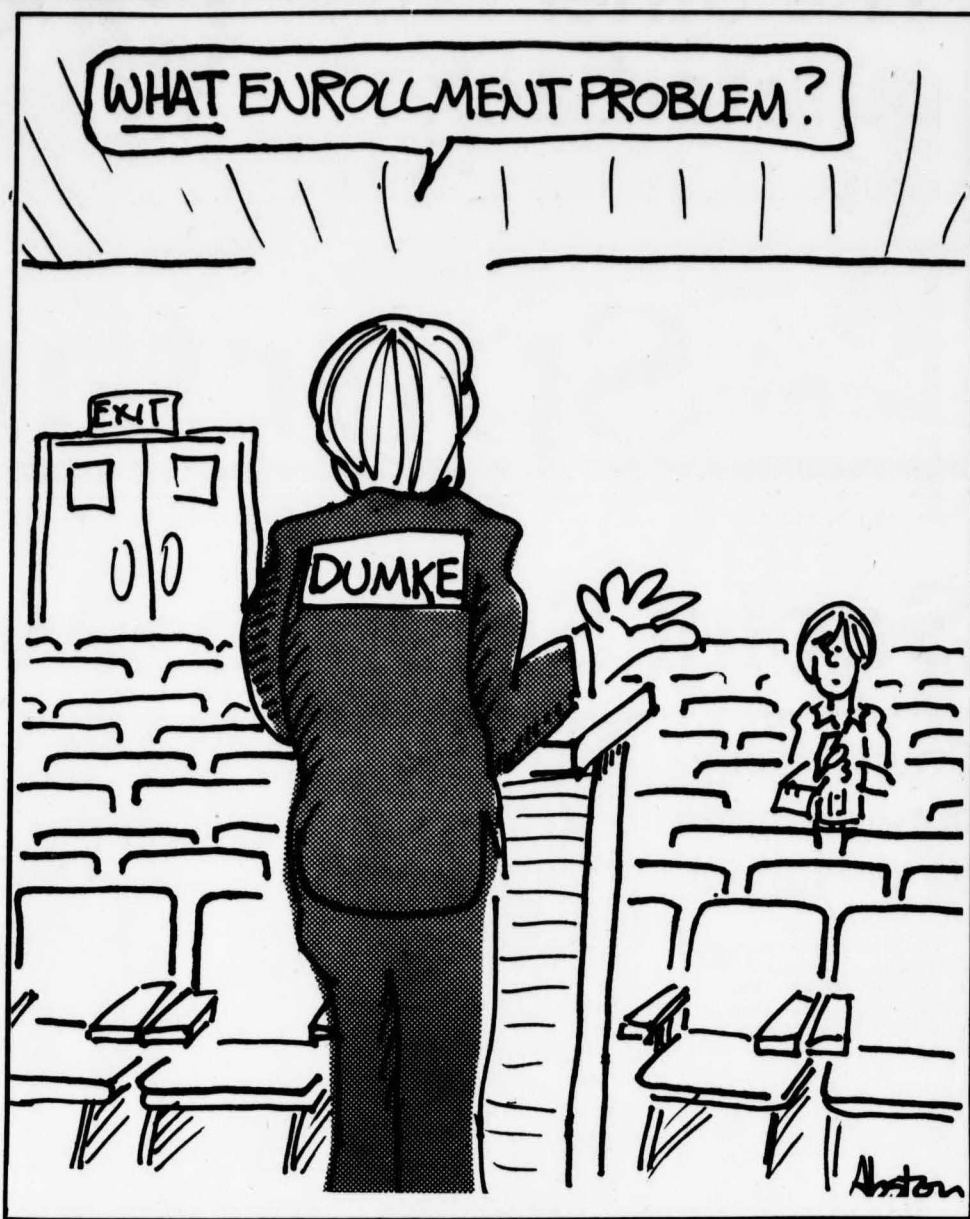
comparison. UC is a research-oriented system, and tuition-supported.

We do know that Sen. Alquist, D-San Jose, has introduced a bill, SB 252 to the legislature, to cut administrative costs in the state's higher education system by consolidating the University of California and CSUC systems.

Dumke is opposed to the proposal.

The chancellor said he has no plans to return to SJSU in the near future.

We hope that he returns to SJSU soon, through the front door, so the faculty and students on this campus can acquaint him with their concerns for the future of this university.



letters

Response

Editor:

I would like to respond to Gary Keep's letter in the Oct. 19 issue of the Spartan Daily:

Mr. Keep, in last Friday's Spartan Daily, was correct in saying that environmentalists do not research issues very well. Please let me address his "points" one at a time. Economics was the first issue he raised. Nuclear energy is the most economical way of producing massive amounts of electrical power in existence today. It beats solar energy and geothermal energy by 3-to-1; coal and wind power by more than 20 percent; and I don't even want to mention oil costs.

In order to replace a 1000 megawatt electric nuclear plant by a coal-fired plant, a train containing 130 carloads of coal would have to be sent to the plant every day. By the way, that much coal produces 80 carloads of ash that must be disposed of every day. The same plant powered by wood (biomass) would require 5-10 million tons of fuel per year and is 60 percent more expensive than coal.

Let's convert to solar you say. If all 72 million U.S. households were converted to solar heating overnight, only 4 percent of the U.S. energy requirement would be saved.

Back to Mr. Keep. Where, sir, do you get your 1000 nuclear plants projected by the year 2000? There are now 72 operating reactors and maybe 20 or 30 more planned; but that's it. There hasn't been a U.S.

reactor sold in three years, and the time from the planning stage to initial operation is 12 years. The two "near" disaster accidents we have had in the last 10 years have resulted in not one death nor one injury to the general public. No other technological advancement can make that claim.

The projected fuel reserves for uranium-fired plants based on a "normal" growth rate is 40-50 years assuming no breeder reactors. If you include an intelligent breeder reactor program, we conceivably have fuel for a few hundred years. But what if we don't use the breeder? Fusion sources haven't even been able to generate more energy than they use in starting them up. Even after its been laboratory-proven feasible, the engineering problems are staggering. Ask me about them. It's taken nuclear power 35 years to supply 12 percent of the nation's energy needs. It'll take fusion (or solar) at least that long. What about the other 87 percent?

Nuclear waste disposal is a political problem right now. We have the technology to solidify any reactor waste and bury it in salt domes that will be safe for hundreds of thousands of years. Our present use of fossil fuels represents a dissipation in about a hundred years of an accumulation made by nature over millions of years. It seems that is an instance of far greater disregard of the needs of future generations than the storage of radioactive wastes in a few selected and safe sites.

Mr. Keep obviously does not

understand radiation. Radiation is all around us all the time. It is as much a part of our everyday environment as the light and heat of the sun's rays. This is called "background radiation" and is measured in millirems. The average dose a person gets from background radiation is 140 millirems per year. An x-ray diagnosis gives you 50 mrem; a TV set from 1-10 mrem; while a typical neighbor of a modern nuclear power plant will receive a radiation exposure of about one millirem per year. Crews of commercial jet liners receive an occupational radiation exposure from cosmic rays in the range of 300-400 millirem per year-over and above their average annual exposure from natural background radiation.

That Nagasaki and Hiroshima were incredible disasters is true; but as many anti-nuclear advocates, he's equating nuclear energy with nuclear weapons. Such a statement proves his ignorance of nuclear physics.

I'm not saying that nuclear energy is perfect, nothing is risk-proof; however, we can make it adequately resistant to human imperfections. Three-Mile-Island taught the nuclear industry many good lessons. The task forces, created to decide what could be done to make operating reactors (and future ones) safer, will make the possibility of another TMI even more remote.

By the way, is Jackson Browne still belting out the kilowatts proclaiming nuclear power to be the scourge of modern man? I don't see him using a megaphone nor do I see the masses riding bikes to hear him speak. Where do they think the power comes from?

In London, England, more than 2,000 people died from air pollution caused by coal plants in a four-day period.

Back to Walden Pond? HA!

Edward D. Schroll
Engineering instructor
Nuclear engineer

Injustices

Editor:

I really can't believe the rampant injustices that are surfacing on this campus. One would think we are here to obtain an education and thereby become culturally enlightened. I use this term loosely though, as its strictest usage implies that there shouldn't be any religious persecution (remember the Moonie denunciations), and moderate restraints on individuals who express their political affiliations (as long as they maintain themselves according to established policies).

The concepts of the Bill of Rights are nothing but a bunch of meaningless words falling upon deaf ears. When the ideologies of freedom of speech and religion become the

targets of the administration and the journalistic bigots, then the individual on the streets really hasn't any rights.

Whoever on this campus thinks they are better than those other individuals (to the point of jeering, prosecuting and judging them) who stand up for what they believe is in for a rude awakening. All around us society is falling apart and so what do we do right here on a collegiate campus? We make a mockery of the Bill of Rights and thoughtlessly persecute those who speak freely and openly about what they believe. The RCYB is entitled to its beliefs and political affiliations. The campus administration has truly lowered itself by challenging these political zealots and bringing undue pressure via the campus police. Political dissent got us to the point that we are now when the early "patriots" rose to question the authority of England's power.

The turn of events as I've seen them during last weeks brings confusion into my mind, when I hear educators say we are supposed to respect and even fight for the right of our fellow men to voice their disagreements with the way the "system" works.

Don Shannon
Microbiology, junior

Biased

Editor:

The article on Sharon Yuki's hearing was quite unprofessional. It was biased and misleading.

The paragraph above my quote states the line of questioning surrounded Sharon Yuki's urging of students to throw cake in the faces of the administrators and government officials present at the birthday party. This assumes Sharon actually said, "Let's go throw cake in the administrators' faces," when in actuality, Sharon Yuki was not a speaker that day at the rally.

I'm quoted as saying, "Throwing cake in their faces was really on their mind." It sounds as if I was saying, "Sharon Yuki and the RCYB members had throwing cake in their (the administrators) faces on their mind."

In reality, I said the above mentioned quote after reporter Cohodas asked me what the line of questioning was.

The intention of the RCYB holding the rally while the birthday was going on, was to throw cake in the administration's face, not literally, but as a figure of speech. The RCYB rained on the administration's parade by holding the rally.

I think the students need to be informed on contemporary political events, that's why I support the presence of the RCYB on campus. That is also why I joined a com-

mittee to organize open forums on what actually happened at the rally on Oct. 10-student rights and legal and illegal rallies. I urge all students to support and participate in the production of these forums.

Miguel Delgado
Undeclared, sophomore

Judgments

Editor:

Your editorial of Oct. 19 has some judgments which need to be questioned, some errors which need to be corrected.

1) Basically there are three forms of tests for assessment of student achievement-you omitted performance tests of psychomotor objectives or higher level cognitive functions. Your headline then should be "Essay exams most useful."

2) You apparently are unaware that tests are like tools-each has its advantages and disadvantages and different uses. Objective tests do a better job than essay of sampling a domain of knowledge, but a test constructor will have a preponderance of low-level knowledge items (Bloom's Taxonomy 1.0) if not careful. Essay tests are superior when the emphasis in the course is on a larger segment, on an integrated total unit, but then it is notoriously unreliable in matters of scoring (see Stalnaker, John). Now really, you wouldn't say a screwdriver is (always) better than a hammer, would you?

3) Your reporting suffers from comparing the worst of one with the better of another. For objective test users you say, in part, "the professor simply...grades them...and returns them. And that's that...he may become lazy and...inefficient in other areas of teaching." In essay exams, on the other hand, "good professors usually include comments with constructive criticism." Your bias is painfully evident.

To your credit you note the importance of essay tests in developing writing skills. I concur that students need more opportunity to write (but I'm not convinced that the objective test he deterrent!)

Curt Stafford
School of Education

Omissions

Editor:

With regard to a letter appearing on your editorial page Oct. 17, titled "Concern," which addressed itself to the merits of campus security banning students from a tax supported university; serious errors and omissions occurred in the conclusion-apparently.

1) Dick Miner was student body president, not AWS president in 1968-69;

2) Pete Ellis served as Survival Fair Director in 1969-70, not 1969-79;

and 3) A letter addressing itself to "the SJSU administration" should warrant enough editorial concern to publish the entire remaining names of the former student leaders which were attached to the letter.

That such a first amendment infringement should concern these past campus leaders (well known within the memory of university administrators) such that they chose to address the campus in this manner, deserves more editorial courtesy. A list of six signatures is short, and you had the space.

Tim Fitzgerald
Former student body officer
(1968-70; 1973; and 1978)

Appreciation

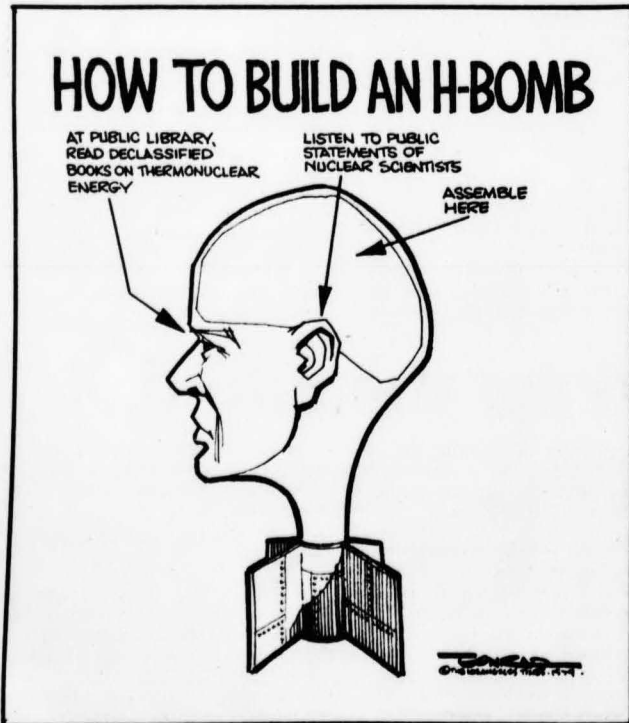
Editor:

Regarding the coverage in the Oct. 18 issue, "Police have thankless job."

Though short, appreciation is afforded the Daily for coverage of a very real, crucial and important community-at-large issue. Cooling to a basic idealistic thought, that being one of "if" everyone could and would understand all others' points and positions in every facet of life and occupation and general back to basics of communication, of which I feel there has been an enormous growth away. In short, proper communication and understanding of each other certainly couldn't hurt and could most possibly lead to a much calmer and settled society world in general.

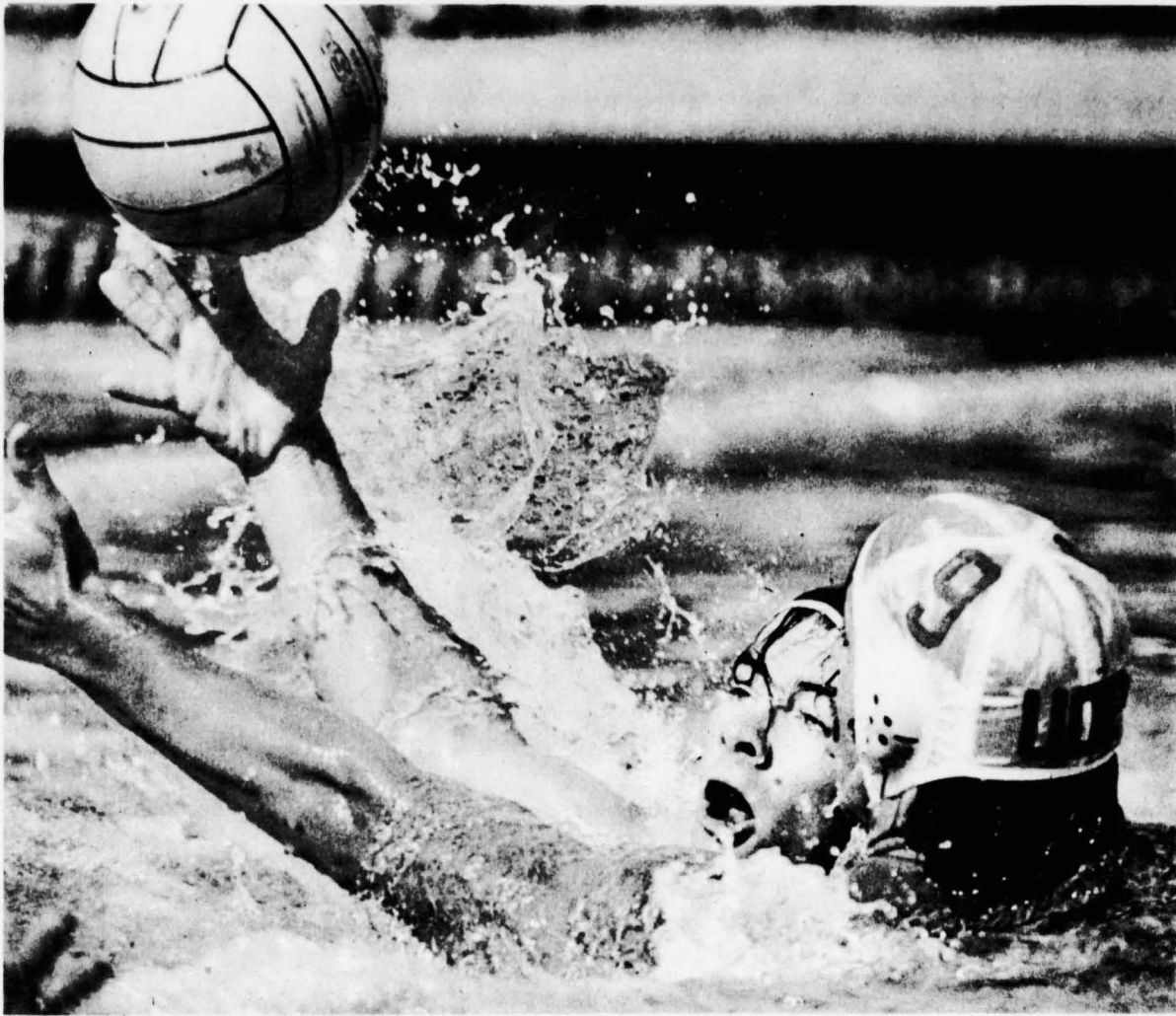
Again, thank you. The Daily has been doing a fairly fine job presenting various issues to the people.

David W. Bengard
Law, senior



Spartan Daily

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Spartan Mat Hermans (left), splashing a pass past a University of Pacific defender last weekend, will find the

defensive pressure tougher when SJSU entertains California tonight at 7 in the Independence High School pool.

photo by Paul Chinn

Injuries, suspension cause depth problems

by Lee Eminger and Dave Kellogg

Despite coming off a win against Oregon State this weekend, things just aren't going as planned for SJSU football coach Jack Elway.

At the root of Elway's problems is the suspension of starting guard Mike Katolin and linebacker Ken Woodburn, and the loss of guard Steve Hart, who is out for the year with knee surgery.

The suspension and injury has virtually wiped out all the Spartans' depth in the offensive line.

"The suspension is a week-by-week decision, but neither player will go to Long Beach this week," Elway announced yesterday.

Elway also said that both players named in the suspension may not be allowed to come back at all this year.

This and the loss of Hart compounds Elway's offensive line problems. Already, starter Art Bacci has been lost for the year with knee surgery making what started out as an offensive line lacking experience and depth even thinner and less experienced.

To compensate for all these losses Elway has been forced to move Gerald Scott, formerly a defensive lineman, over to the first guard spot on the depth chart.

"We've had to scramble a lot, but we still have football players and they've responded really well," offensive line coach Dick Sullivan said.

Although the Spartans have a bundle of depth problems, SJSU may have broken one bad habit against Oregon State--second half letdown.

The Spartans were ahead in the fourth quarter against Stanford and California and at halftime against Arizona, but each time lost due to second half collapses.

Against OSU the Spartans broke that habit, blanking the Beavers in the second half. In so doing SJSU evened its season record at 3-3-1.

Although OSU is woefully weak in some areas, most notably the defensive backfield, two OSU players turned in outstanding individual performances.

Steve Curry, OSU's one genuine star, was equal to his pregame billing, snatching six passes for 105 yards and one touchdown.

The 5-8 senior also returned a third quarter punt for 44 yards, breaking several tackles along the way.

Tailback Darryl Minor had his best day for OSU with 106 yards rushing.

Running with the ball like a speed-crazed jackrabbit, Minor became the first Beaver since 1977 to rush for more than 100 yards in a game.

Placekicker Mike Berg and wide receivers Stacey Bailey and Rick Parma joined quarterback Ed Luther with exceptional performances for the Spartans.

With the game still undecided at the beginning of the fourth quarter, Berg kicked a 48-yard field goal that upped the SJSU lead to

a comfortable 10 points. Bailey had a prolific afternoon, latching onto five aerials for 106 yards and a touchdown.

Parma, who has missed much of this season with an ankle injury, made the most of his three receptions by scoring two touchdowns.

The final score in Corvallis would have been more lopsided, but, Derrick Martin stole teammate Rod Traylor's unique give-back play in the final period.

Traylor, a 245-pound defensive tackle, intercepted a Scott Richardson screen pass and carried it 43 yards downfield.

As Traylor started to put on some moves to avoid Richardson, he slipped, fell and the ball somehow squirted loose. OSU recovered on its own 22.

Later, with a minute and a half remaining, defensive back Martin pilfered another Richardson pass but displayed absolutely no originality. He returned the ball 25 yards before fumbling it back to the Beavers.

OSU coach Craig Fertig made no excuse for his team and praised SJSU. "San Jose State throws well short, medium and deep," he said.

"This was the best we have played for four quarters this year," Fertig said. "And we still lost."

No. 2-ranked Bears test SJSU momentum

Poloists measure improvement against Cal

Roger Myers

After Saturday's win over University of Pacific, Mike MacNaMa was not talking like a coach whose SJSU water polo team had just completed a crucial two-game sweep of Santa Clara and Pacific, scoring 23 goals in the process.

"Sure," MacNaMa said, "we're improving. But it's hard to tell how much against teams like this. The real test will come when we play Cal on Wednesday."

Indeed, when the Spartans take to the pool against California tonight at 7 at Independence High School, it will be against a team to whom SJSU has already lost this season 11-1 and 16-3.

In those two lopsided encounters, Bear goalie David Young had enough spare time to read "Gone With The Wind" and catch 40 winks as SJSU managed a total of only 16 shots against him while his teammates were bombarding Young's Spartan counterparts Dan Kline and Bill Davison with an unmerciful 56 shots.

But such is expected when a team primarily comprised of freshmen meets last year's NCAA runner-up - Cal lost to Stanford by one goal in the championship game - who so far this season is 20-3 overall.

Currently the Bears are ranked second in the nation,

behind Stanford, and are 3-1 in the Pacific-10, collegiate water polo's equivalent to the Pacific division of the NBA. Stanford leads the Pac-10, and Cal is locked in a three-way tie for second with USC and Arizona.

After that second loss to Cal, the Spartans bounced back by beating the Broncos and Tigers, and appear to be gaining momentum as they enter the final third of the season.

Those two wins moved the Spartans above the .500 mark for the first time since the opening weekend. They are now 10-8 overall, but still only 1-3 in PCAA play.

"San Jose is going to be a great team in the future," Cal coach Pete Cutino said in a phone interview from Berkeley.

"They're a very young team with a lot of talent. And they've got a good coach. In a year or two they'll be very good."

"But right now I have a problem getting my guys to take the game seriously."

Cutino hopes junior all-everything Kevin Robertson, the Bears' leading scorer, will be able to take charge as he did in the first two Spartan-Bear encounters when he scored three and four goals, respectively.

Senior Carlos Steffans, a teammate of SJSU's Victor Ouslan on the Puerto Rican national team, is Cal's other top scorer. But he is ailing and missed Cal's 11-10 win over Long Beach State and 5-3 upset at the hands of UCLA down south last weekend. He is questionable for tonight's tilt.

For the Spartans to have any chance against Cal's almost omnipotent offense they will need, short of divine intervention, more of the aggressive individual defense displayed last weekend.

And Kline and Davison will have to play up to their spectacular performances of the last two games when they combined for a whopping 43 saves, many of "had to see it to believe it" quality.

"All we can do is try and play better water polo," MacNaMa understated. "We'll find out how much better we're playing."

How MacNaMa's squad fares against the Bears, then, will in large part serve as a barometer to measure how much improvement has really occurred.

Women golfers victorious; coach prophetic calling shots

by Jeff Rhodie

Women's golf coach Mark Gale did as well in his prediction as his Spartan golfers did on the links Monday. And that was very well indeed.

Gale said the Spartans would win the three-team NCAC tournament by 14 strokes over Stanford. He was one off. The Spartans won by 13 over the second-place Cardinals, SJSU shooting a 36-hole total of 602 Monday at Sacramento's Haggin Oaks Golf Course. Host Sacramento State came in 126 shots behind SJSU.

It was the performance of sophomore Juli Simpson which most enabled Gale to be nearly perfect on his prediction. Simpson had a two-round score of 142, two under par. But the other golfers didn't find the course quite as easy. Simpson won individual honors by 10 shots over Stanford's Allison Finney.

"The course played difficult," Gale said, "because the greens were very slow. They were wet in the morning but they were still slow in the afternoon because they weren't cut low enough."

"There were many players who three-putted several times."

Simpson, however, was able to master the putting surfaces and did not three-putt a single time, according to Gale.

"Except for the greens," Gale said, "The course was

in nice shape. But if we always had to play on such slow greens the players would lose their putting touch."

As for Simpson, Gale said she didn't even hit the ball as well as she would have liked to.

"She scrambled a lot, especially off the tee," Gale said. "But when you don't hit the ball your best and you still score so well, you know you're mentally ready for the game."

On the day's second round, the Spartans accomplished a goal Gale had set. They broke 300 with a 298. Simpson had a 70, and Kelli Swank, Carol Conidi and Juli Ordonez all shot 76.

Patty Sheehan shot a 79 that round so her score was not counted, but she shot a 75 for the first 18 holes, third best of that round out of the 14 golfers in the tournament.

SJSU and Stanford each entered the usual five golfers while Sacramento only had four because one of their players is recovering from a broken collarbone.

Conidi shot rounds of 77 and 76 to finish third individually and Sheehan tied for fourth at 154 with Stanford's Linda Bowman. In sixth was Swank at 156, tied with Sacramento's Carol Slane. Ordonez was eight at 157.

The next tournament for the Spartans is also in Sacramento, but will not be an NCAC event. It is an eight-team tournament Nov. 5-6 at Rancho Murieta Golf Course. After that, Nov. 8-10, comes the 18-team Stanford Invitational.

Spartan Daily

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Volleyballers overcome Broncos

Spartans sputter to victory

by Greg Grimes
SANTA CLARA - The SJSU women's volleyball team needed more than two hours and exactly five games to overcome the hosting Santa Clara Broncos Tuesday night, 8-15, 15-3, 15-8, 8-15, 15-7, in the last of ten consecutive road matches.

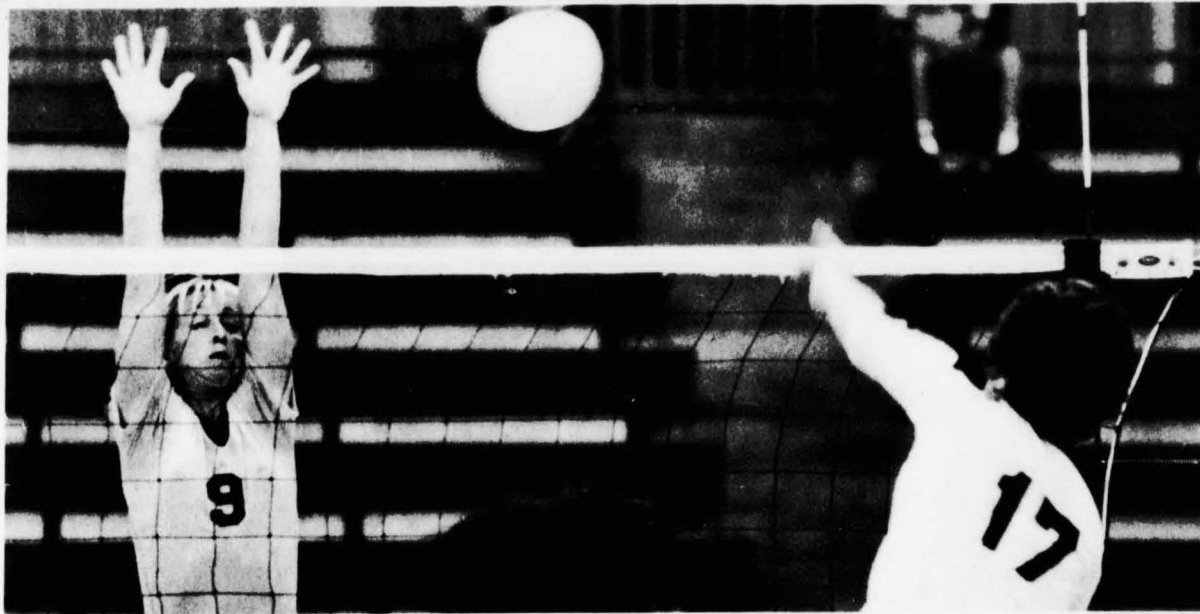
The inter-conference victory at Toso Pavilion lifted the Spartans' conference record to 3-2 while the Broncos' record sagged to 2-4.

The five-game Spartan victory against last year's NCAC sixth place finisher, though, took two games too many for SJSU head volleyball coach Jane Ward.

"We were just awful out there tonight," Ward said after the match. "I think we weren't passing, setting or covering our positions well, but I just can't put my finger on it exactly."

"But I do know that we are not doing something that we should be doing," she said.

Whatever that "something" was, the



Left-handed Santa Clara Bronco hitter Ann Feeney (17) blasts the ball past the outstretched arms of blocking SJSU

senior Monica Hayes for a winner during the second game of Monday night's five-game match won by SJSU.

photo by J.L. Sousa

Spartans definitely did not do it in the first game as the Broncos quickly spurred out to an 11-5 lead.

The luke-warm Spartans couldn't handle the left-handed hitting of 5-10 Bronco Ann Feeney and the outstanding blocking of 6-1 Karen Lyffyt.

SJSU defense specialist Darlene Chan then came in to help the Spartans close the gap to 11-8, but the battling Broncos quickly reeled off four straight points to close

out the first game.

The Spartans then began to warm up and play like the tenth-ranked team they were rated as in Volleyball magazine.

With the help of outside hitter Lisa Fraser and the exceptional serving of Buddey Hussey, the Spartans dominated the Broncos throughout the second game to post a 15-3 victory.

In the third game,

Santa Clara battled back into the match with the help of Ann Feeney's serving and tied the score at 7-7.

SJSU, though, overwhelmed the Bronco defense with a variety of off-paced hitting by Sonya Satre and Jan Baszak to take the third game 15-8.

The Spartans' team coordination began to disintegrate in the fourth game as the Broncos continually smashed the ball through the out-

stretched arms of SJSU's blockers for a 15-8 win.

In the fifth game, the Spartans again displayed their outstanding ability by charging out to a 10-4 lead. The Broncos then quickly fought back to help close the gap to 10-7.

At that point, SJSU defense specialist Janie Hilt came off the bench to help the Spartans capture a fifth game and match victory with her exceptional serving.

"The Broncos were

actually very hard to defend because of their awkward style of hitting," Ward said.

"But if we play like that against California Thursday night, we might as well forget it," she said. "We've got to play better."

The inter-conference match with California will be the Spartans' first regular season match at home. It will be played in Spartan Gymnasium beginning at 7.

Backup quarterback learning from bench

Clarkson waiting with patience for first starting call from coach

by Dave Kellogg

On the wall of the SJSU football office hangs the poem "To the Kid on the End of the Bench." Right now, freshman quarterback Steve Clarkson is that "kid on the end of the bench," as he patiently awaits the call of coach Jack Elway.

"What you do on the bench this season could put you on the field next season," the poem says, "as a player or back in the grandstand as a spectator."

Clarkson has faced this situation before. At Wilson High in Southern California he sat on the bench until his senior year behind a three-

"If I hadn't come to SJSU I'd probably be at a junior college."

Ironically, coach Jack Elway had first found out about Clarkson when he saw him in a passing league game against John Jr.'s Granada Hills squad.

"He told me I probably wouldn't play down here my first year, so I'm happy just to have gotten some playing time this year," Clarkson said.

Clarkson has hit four of

before the snap of the ball," Clarkson said.

What made it easier for Clarkson was the fact that almost all the formations and patterns used in the Spartans' complex offense were identical to those Clarkson used in high school.

"The only difference was that we would call a play for the receiver on the left to do a ten-yard curl, and here you have a series of numbers and letters to call the same thing."

Also helpful has been veteran signal-caller Ed Luther.

"I didn't expect that from him," Clarkson said. "I guess since Steve

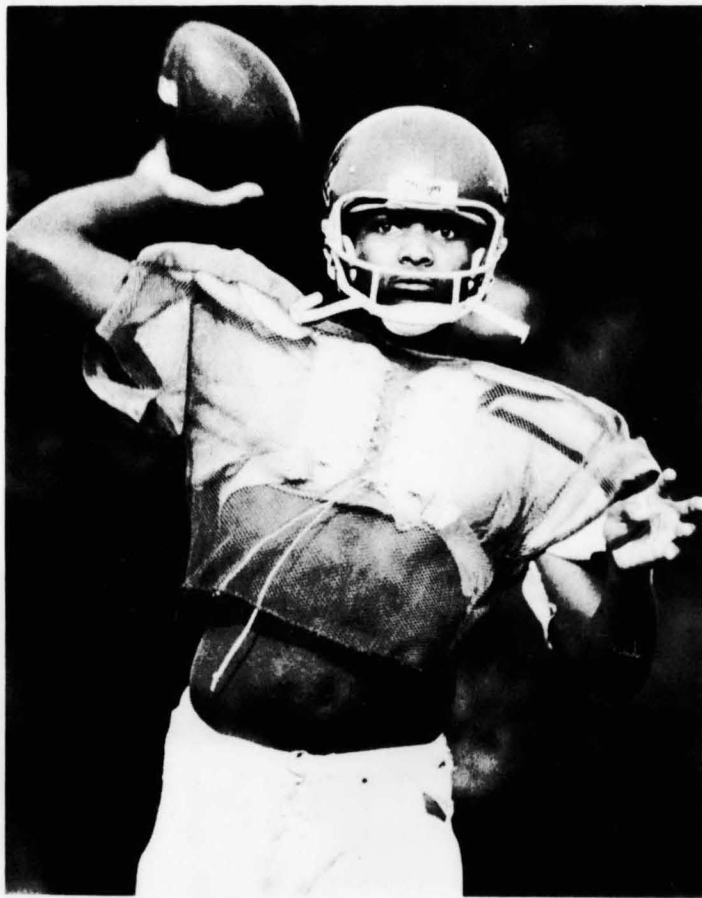


photo by Paul Chinn

Spartan backup quarterback Steve Clarkson goes through another day of his apprenticeship, hoping to one day replace Ed Luther.

"I'll be ready when my time comes though."

If Luther were knocked out today, in all likelihood Clarkson would step into the starting role.

"I have more experience than I did at the start of the year, but it still isn't enough," Clarkson said.

"It's too much of an adjustment from high

school to be effective right away," Clarkson said. "If I had been a starter in the beginning of the season I probably would have been benched by the second

game." Clarkson's days on the bench are probably numbered though, with the progress he has shown in his unique apprenticeship.

'I'll be ready (to start) when my time comes'

time All-American.

When he did get to start though, Clarkson really blossomed. His senior year the 6-2 quarterback completed 190 passes for 2,515 yards and 28 touchdowns.

Those impressive statistics ranked Clarkson second in the state and fifth in the nation, as well as winning him various All-America honors.

Despite all his merits, recruiters weren't exactly breaking down Clarkson's door.

"SJSU wanted me if they didn't get Elway (John Jr.) and Utah State wanted me but I didn't want them," Clarkson said.

the six passes he's thrown for two touchdowns and one interception. That one interception came when the ball bounced off a receiver's hands.

Contrary to what the statistics might indicate, Clarkson's adjustment to college ball hasn't been easy.

"Everyone and everything is so much quicker," Clarkson said. "You have to be a lot more careful about your passes and not getting them intercepted."

"Another thing is in high school you might see two, maybe three different defenses a game, but here you can see three, maybe four different defenses

DeBerg helped him out when he was there Luther is just returning the favor."

According to the poem, "if you don't think you're in a great spot, wait until you see how many would like to take it away from you next spring practice."

Clarkson will face just that predicament next spring when he will battle Scott Ruiz and a bundle of recruits for the starting job.

"I don't have the attitude that I'm going to step right into the starting role next year," Clarkson said.

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sports editor
dan wood

NFL could learn from college football

Having spent the past weekend participating in the American institution of watching televised football, it has once again become apparent that the collegiate game is much more entertaining than the brand offered by the goliaths of the National Football League.

The simple reason behind this fact can be communicated in one terrible word - penalties.

Watching the classic battle between Notre Dame and USC Saturday was a pleasure compared to "trying" to enjoy the Oakland Raiders-New York Jets clash the following day. Twenty times in the Raider game the yellow hankies fell, costing the teams an aggregate 182 yards and continually frustrating players, coaches and fans.

By contrast, in the game between the Fighting Irish and the Trojans, there were so few penalty flags they were almost unnoticeable.

Only once in the Notre Dame-USC contest did a penalty have a major effect on a drive, let alone the game. Hardly a drive went by in the pro game where a penalty didn't play a major role.

Such are not isolated examples. In the Cleveland-Cincinnati game Sunday, the teams were whistled for 22 penalties, adding up to 177 yards. The game between the Giants and Chiefs saw 20 penalties, and the Ram-Charger encounter another 19.

In the 13 NFL games played Sunday, there were 182 transgressions called, or an average of 14 per game. Occurrences like that are by no means conducive to the continuity of a football game.

In the SJSU-Oregon State game Saturday in Corvallis, a total of only eight penalties were called by the zebras.

In the seven SJSU games to date this season, the Spartans and their opponents have inspired the men in the striped shirts to heave their markers 79 times, which works out to an average of 11 per game.

Not only are there fewer penalties in college football, they also seem to be of lesser significance than in the pro game.

The reasons for the discrepancies are undoubtedly many, with the varying structures in the styles of offenses and a difference in the interpretation of the rules playing no small part. The fact remains however, that the NFL has gone "penalty happy."

Logically, with the NFL players being professionals, they should be better trained and make fewer mistakes than their collegiate counterparts. On the surface, the reverse seems to be true.

It isn't that the college players commit less fouls though, but rather that the rulemakers and officials let more things slide than do the NFL bigshots.

Commissioner Pete Rozelle's troops seem to be convinced that they have to completely "clean up their act," at whatever cost.

What they don't realize however, is that in a game such as football, it is absolutely impossible to stop all rule infractions.

The professional ranks could take a cue from the colleges, in loosening their rules a bit in spots. In other words, the NFL monoliths should adopt something similar to the "no harm, no foul" philosophy of basketball.

If they don't, and soon, professional football will suffer the consequences. Meanwhile the process of fan disgust at the barrage of penalty flags grows stronger each week.

MBA and Ph.D. Programs at Oregon: a representative of the University of Oregon's School of Management will be on campus Oct. 25 from 2-5 p.m. to provide information to students interested in pursuing an MBA or Ph.D. at Oregon. Please contact the Career Planning and Placement Center for an appointment.

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Nukes--Yes or No?

The issue of nuclear energy is one which has received much attention in the media ever since the accident at Three-Mile Island.

This issue is of such vital importance, that the Associated Student Council will conduct a special forum on nuclear energy.

Expert speakers are being invited to appear to give testimony. The A.S. Council also wants to hear from the San Jose State University community.

You are invited to join the A.S. Council as it learns more about nuclear energy. The forum will be conducted at 3:00 p.m. on the upper pad of the Student Union, Wednesday.

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Date: Oct. 27, 1979 -- Sat. Time: 9:30 A.M. to 4:00 P.M.
Place: Golden Gate University
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Contact: Center for Women Scholars (415) 981-6582
Topics: Funding for research employment, working and succeeding in academia

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Octane affects engine performance

by Roger Myers

It is common knowledge that the slightest amount of engine "knocking" in a car is a sure sign of upcoming mechanical disorders.

But according to representatives of the oil and auto industries, this belief, while widespread, is misguided.

According to Don Beers, an engineer in Chevron's Product Engineering Department in San Francisco, while minimal knocking "is very annoying, and the engine might sound like it's falling apart, it will not damage the car."

This assessment was supported by a resident engineer in the Chevrolet division of General Motors Fremont plant who asked anonymity because "the company prohibits me from speaking for print to the press."

A little pinging, he indicated, "is the best audible signal that the ignition timing of the car is close to perfect. No mechanical damage will result."

"If heavy pinging is prolonged, though, pitting develops on the dome of the piston and can shorten its life and burn a hole through the piston from the excessive temperature and pressure that results."

This results in broken pistons and rings and will necessitate major engine repairs that can run into hundreds of dollars.

There are two ways of avoiding

engine knocking. Sufficient octane levels in the gasoline is one and adjusting the timing of the car is another.

Octane is the anti-knock index or the measure of the gas' ability to keep knocking out of the engine.

Consumers can obtain information regarding minimum octane levels for their cars in the auto's owners manual or by calling a local dealer of that model.

According to Beers, there are two standard methods - research and motor - for measuring the octane level in the laboratory. The average of the results from these two methods is the octane level posted at the pumps.

Until last May, oil companies kept the octane level as high as expenses would permit because "our customers demanded it," Beers said.

But with the recent gas shortage, oil companies have been under both governmental and consumer pressure to produce more gas per each barrel of crude oil, according to Manny Jimieze of Arco's main office in Los Angeles.

"The Air Resources Board issued a waiver that allowed us and other companies to add more lead to each barrel of crude, which allowed us to get more gas out of each barrel," he said.

Yet, Beers said, "adding lead means more processing in the

refineries and more expensive gasoline."

Another way of getting more gas out of each barrel, he said, is to lower the octane level, which requires less processing.

The auto industry, recognizing the oil companies' need to lower the octane level, is developing its cars to meet these lower standards, according to the Chevrolet resident engineer.

"The octane level," he said, "regulates how fast the spark of flame in the combustion chamber moves. If the octane is insufficiently low then the flame moves too fast and heavy knocking occurs because there is a sudden explosion within the engine instead of a slow burn."

"We (at G.M.) are trying to advance the spark timing as far as possible so it can use a gas with a much lower octane level."

"If a person has a car that is seriously knocking," he said, "he can eliminate or greatly reduce it by retarding the timing of the engine, which is not to be confused with spark timing."

The engineer indicated that if heavy knocking persists in the engine, it will greatly reduce both the fuel economy of the car and its performance.

But Beers and Tony Wong of the Air Resources Board offices in Sacramento indicated that the state does not impose an overall minimum octane rating, but does

regulate a minimum unleaded octane level of 87. Regular and premium octane levels are left to the discretion of the individual companies.

"We base our minimum octane ratings upon the knowledge of the needs of cars on the road which is obtained by information gathered at a cooperative test center run by the manufacturers. Companies evaluate the findings and set their own specifications," Beers said.

Then, according to Bill Einsenlord of Shell's San Ramon regional offices, the companies certify the octane level to whom ever they wholesale the gas.

At this point the Federal Trade Commission also has some jurisdiction. Ralph Stone of the San

Francisco branch of the F.T.C. said that organization requires stations to post the octane levels on yellow stickers attached to the front of the pumps.

"Different cars need different octane levels," Stone said, "so the customer has a right to know what the various octane levels are at the pumps."

Stone said a station posting incorrect octane levels can be prosecuted for false advertisement and if found guilty fined \$10,000. But he also said if the violation only involved a single station in an isolated incident, the matter would be turned over to the state.

After the wholesaling, the government takes a more active role in protecting the consumer. Dale

Cook, of the Federal Department of Energy regional office in San Francisco, said, "Our rules, as of Aug. 1, provide that stations note that the price charged is the maximum legal price or under."

That maximum permissible price is determined by a D.O.E. formula, he said.

The retailer or dealer, after paying the dealer tank wagon price, which is the wholesale price plus federal and state excise taxes, can then mark it up a maximum of 15.4 cents per gallon and add any applicable sales tax.

The D.O.E. has a hotline that consumers can use to register complaints about suspected price gouging, Cook said. The toll-free number is 800-424-9246.

Driving alternatives abound

by Scott Mace

Even if your car sips gas, chances are you're paying more to drive to school alone when you use it.

While a round trip by Santa Clara County Transit buses costs only 50 cents per day, it now costs just as much simply to park a fossil fuel eater in the Seventh or Street garages at SJSU.

If your car gets a generous 30 miles per gallon and you pay \$1.04 a gallon for regular gas, your total transportation costs by car could be more than \$1 a day.

The cost can be less if you carpool. SJSU students have two ways to do it, and arranging both is free.

The Environmental Resources Center has a giant carpool map available to all students located in Building U, across from University Police on Fifth Street near San Carlos Street.

Anyone wanting to carpool places a small slip of paper on his or her home location. The paper contains a name and phone number where a prospective carpool mate can be contacted.

The center is open from 9 a.m. to 4 p.m. Monday through Friday.

Because this is the first semester the map has been available, the project is still in its trial stages, according to Coy Smith, director of the center. The idea for the map came out of an Environmental Studies class.

Approximately 25 students had slips pinned to the map on one recent day.

The other carpool program on campus is the Carpool Request File at the Student Union Information Desk.

The requests, which are updated each semester, are filed by areas, such as North County, Central San Jose, Santa Cruz and Alameda County.

As of one day last week, 127 requests for rides were on file. A worker at the Information Desk said no records are kept on how much the service is used or on how effective it is.

Next to the Information Desk is the Ride Board, where connections

for longer trips are usually being offered or sought.

Tony Jenkins, a radio-TV major, is trying to find a ride to Seattle during the Christmas break.

"I haven't had a response yet," Jenkins said. He added that he had used ride boards at other colleges successfully.

Students also can find ample parking for 75 cents a day through Park and Ride, a service of Santa Clara County Transit.

After parking their cars at the protected lot on Vine Street under Highway 280, Park and Riders can take the free shuttle bus to a stop on Second Street between Santa Clara and San Fernando Streets. Another stop near SJSU is on San Carlos Street between First and Second streets.

Bus, ride boards, bicycles get you to school cheaper

Monthly Park and Riders can buy \$12 monthly parking under the freeway, which reduces the daily parking cost to 60 cents.

The shuttle bus runs from 6:20 a.m. to 7:40 p.m.

Night students can park on any of the employee lots on campus after 4 p.m. by purchasing an \$18 semester permit from University Police.

Another cheap way to get around is riding bicycles. Bike racks, as well as lockers, are located at different spots around campus.

County Transit riders have several alternatives to carrying enough quarters for daily one-way bus trips.

The most convenient is the 22-ride card, which at \$5 is a 10 percent discount off the regular fare. The cards don't expire until all the ride spaces have been punched, and riders can obtain day passes (two punches) or one-way express service (two punches) with the card.

Day passes entitle the rider to

unlimited rides during the day they are issued.

For more habitual riders, the Blue Key, available to the general public, will provide unlimited rides for a month.

Seniors, handicapped persons and children under 12 can buy the Orange Key for \$4 and also receive unlimited rides for a month.

Order envelopes for all County Transit passes, including the new \$20 monthly Express Pass (good for unlimited express rides during one month) are available on many buses and the County Transit Information Center. The center is located at 33 Fountain Alley between First and Second streets near Santa Clara street.

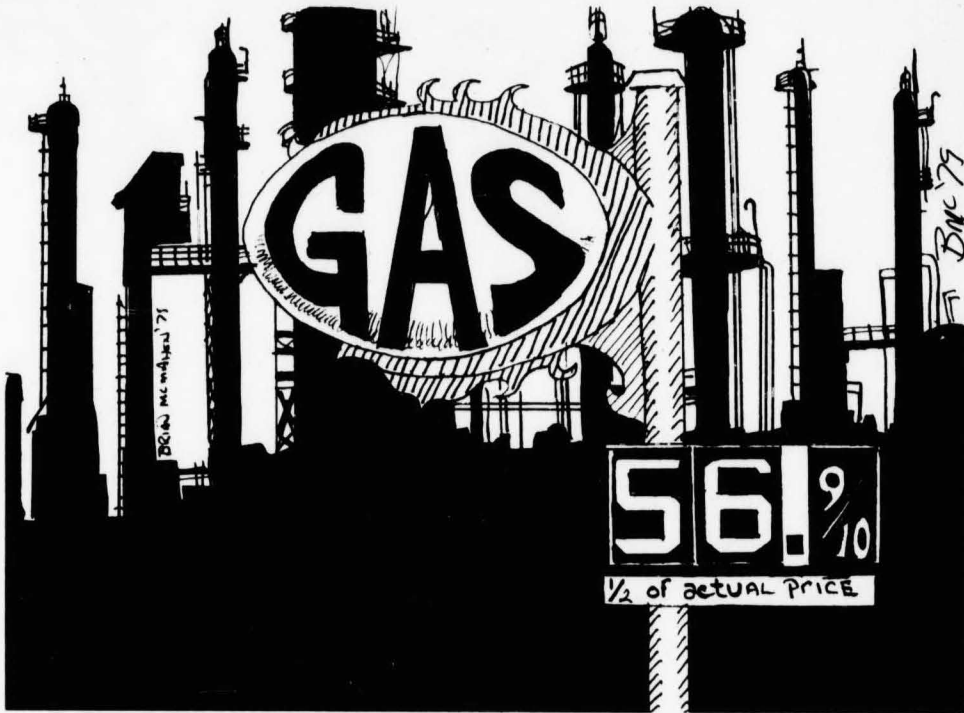
The Associated Students Business Office also sells discount passes daily from 8:30 to 4:30 in room 235 of the Student Union.

Some of the many County Transit lines which come within blocks of the campus are: Line 22, which runs from Menlo Park to Eastridge in San Jose; Line 66, running from BART in Fremont to Santa Teresa Hospital in southeast San Jose; Line 68, spanning the miles between Gilroy in the south county to downtown San Jose; Lines 23 and 24, which plow a southern course through Palo Alto, Los Altos, Cupertino and San Jose; Lines 82, 83, 85 and 87, which run to various Central San Jose locations; Line 21, running from Alum Rock Park to downtown; Line 90, a midday route running southeast of campus; Line 18, which serves disabled and handicapped persons from Palo Alto to San Jose; and Line 64, which runs from Almaden to downtown via Santa Clara and the airport.

Express Two, which makes only a few stops between Palo Alto and San Jose, also runs within a few blocks of SJSU.

For more information on County Transit schedules and services, call 965-3100 (North County), 287-4210 (Central County) or 683-4151 (South County).

Deaf persons with teletype-equipped phone hookups can dial 299-4848 for transit information.



Open stations easy to find

Area gas prices high

by Dave Kellogg

Finding an open gas station in the SJSU area appears to be no problem, but finding gas at less than \$1 a gallon is close to impossible.

Fourteen gas stations were selected and surveyed within a six-block radius of SJSU. The stations were chosen according to their locations on main streets or heavy customer flow.

The survey revealed that much of the worries about finding an open gas station are over. Almost without exception the queried stations are open between 8 a.m. and 7 p.m., with few open earlier than 7 a.m. or later than 8 p.m.

The most notable exception to this is a 7-11 store where gas is available 24 hours a day, but only premium and unleaded are sold.

Another place to hit after a night class is Pete's Stop, open from 7 a.m. to 10 p.m. on weekdays and 8 a.m. to 10 p.m. on weekends. You'll have to pay for your late night needs though, because Pete's is one of the most expensive stations around. Prices are \$1.15.6 for unleaded, \$1.13.8 for super and \$1.11.3 for regular.

For those who want to get on the road early, Accutune was the earliest opening station of those queried. Accutune opens at 6 a.m. on weekdays.

Unlike the earlier days of the gas crises, gas can now be found pretty easily on the weekends in the area. All of the 14 gas stations polled are open at least one day of the weekend and several are open both days.

Write off finding any kind of gas at less than \$1 at any of these stations. Only one station among those surveyed offers any kind of gas at less than \$1 a gallon. One Texaco station is the exception with regular at 99.8 cents per gallon.

Average prices for gasoline in the SJSU area are \$1.09 for unleaded, \$1.09.9 for super and \$1.04.1 for regular.

No one place offers the lowest price for all three types of gas.

In addition to Texaco's lowest price for regular gas, Accutune offers the lowest price on super at \$1.05 a gallon. ARCO has the lowest price on unleaded gasoline, also at \$1.05.

Stations are limited to how much they can charge, according to the federal price guidelines that went into effect Aug. 1.

Enforcement of this rule is dependent solely on calls from consumers, according to Dale Cook of the Department of Energy in San Francisco. Although specific counts on the San Jose area were not

available, Cook said that 196 audits had been performed in the Bay Area since Aug. 1.

Of those 196, only 48 stations were found to have not violated the guidelines.

Once a station operator is convicted, there are two alternatives. The most common is a consent order, in which the stations are fined. More than \$25,000 in fines have been doled out so far to 131 violators.

The other alternative is to order a rollback, where the station must undercharge customers the amount that was previously overcharged. So

far almost \$19,000 has been rolled back in 17 gas stations.

On the whole, octane levels in gasoline at the various stations is pretty much the same. Unleaded averages 87.2, regular 87.3 and super 91.7.

As with the lowest prices, the highest octane levels are found at three separate stations. Shell boasts the highest unleaded octane level with 89.5, with a Standard station maintaining a 89.5 octane level for regular. The most octane rich premium gasoline was found at 7-11 with 93.

Fuel saving easy with proper care

Lee Eminger

While the State of California is getting rich taxing gasoline, the consumer is taking it in the shorts.

There are dozens of ways to use less gas.

Here are some tips from the California State Automobile Association:

- Tune-ups can mean up to a 15 percent improvement in gas mileage.
- Unbalanced tires and misaligned wheels create engine taxing drag.
- Tire pressure should be checked regularly because under-inflated tires increase rolling resistance.
- Extended warm-ups waste gas. When the car is drivable, drive slowly for a mile and the engine will warm up faster while you save fuel.
- Idling more than a minute consumes more gas than it takes to restart the engine.
- Revving the engine dumps raw gasoline into the cylinder walls where it can wash away the protective oil and waste fuel.
- Planning ahead while driving allows you to adjust your speed gradually and avoid gas wasting acceleration from a complete stop.
- Fast acceleration wastes gas.
- Observe the 55 miles-per-hour speed limit and increase your gas mileage.
- Air conditioning, even heaters and radios, use more gasoline.
- Fuel injection distributes fuel more efficiently than car-

buretors.

• Good radial tires reduce rolling resistance and can mean up to a 10 percent mileage increase.

• Oil and oil filter changes reduce engine friction that reduces gas mileage.

Electric cars might be a future method of attacking the fuel crunch.

The June 30, 1979, issue of Science News states some encouraging facts regarding electric autos.

"The Department of Energy's new electric car has a range 100 miles at 45 miles per hour on one charge and accelerates from 0 to 30 in 9 seconds," Science News reported, adding that the D.O.E. model isn't the fastest or longest range electric car.

While electric cars aren't yet available for a mass market, there is a wide range in mileage figures to choose from when shopping for a conventional car.

With the price of gas continuing to rise, a 10 mile-per-gallon difference between two models would translate into \$500 a year in savings for someone who drove 30,000 miles.

As gas gets scarcer and more expensive, more gas-saving devices are hitting the market.

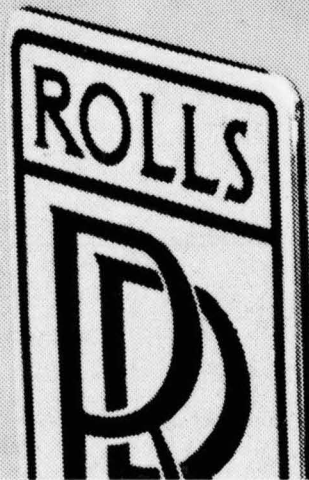
Gadgets such as atomizers, special valves and spark intensifiers boast of extravagant savings, but, according to CSAA independent studies, these items are not even worth the purchase and installations costs.



The Environmental Resources Center carpool map is one place on campus to make connections for sharing rides, as Mike Funk, SJSU Environmental Studies junior, finds out. photo by Diana Vallario

the Rolls of Rock

KEZR 106.5FM





the
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don vetter

Out of 'The Cellar'

His face is a roadmap of creased skin, deep-set eyes glow like headlights in the limelights and his jet black hair always seems as if it's blowing in the wind.

John Stewart overwhelmed the stage of The Cellar in Los Altos last weekend, where he played two shows a night to standing room only crowds.

Stewart is the epitome of the California troubadour. Not only in looks, but in song as well.

The former Kingston Trio member ("Tom Dooley" and "Greenback Dollar") finally ended the drought of success in his personal career with the million-selling album "Bombs Away Dream Babies," released early this year.

The songs on this album, as well as recent releases "Fire in the Wind" and "California Bloodlines," tell of the California experience.

The fascination of the road, women in the night and the pursuit of fame, as in the single "Gold," are the subjects touched by Stewart within his California backdrop.

Stewart opened his 60-minute set Friday night with the title cut from "Fire in the Wind," displaying guitar work hauntingly similar to Lindsey Buckingham of Fleetwood Mac (pre "Tusk").

Stewart's "Dream Babies" was co-produced by Buckingham but the guitar playing has always been Stewart's own, as the Fleetwood Mac guitarist has admitted picking much of his material from reworked Kingston Trio music.

Stewart played a predominantly electric set, covering most of the songs from his most recent album. This may have been a disappointment to older fans, but Stewart was smart in playing what has put the bread in the oven these days.

With Wayne Hunt on keyboards, Chris Whelan on bass and Bobby Mason on drums, Stewart combined their talents in a hard-driving finale of the songs "Gold," "Midnight Wind" and "19 Wheels," that almost blew the audience out the back door.

It was quite a show from a man who's dues had been paid, but the benefits were long in coming.

Stewart's concert at The Cellar was fairly unannounced but still drew a large crowd due to The Cellar's mailing lists and die-hard Stewart fans.

During the rough days after the Kingston Trio, Stewart could always have a full crowd and a warm response from Los Altos.

He intends to continue touring the smaller clubs, but sporadically, as he goes back into the studio in November for his next album; minus Buckingham.

It was satisfying that Stewart could pull off the hits without the background vocals of Stevie Nicks and Buckingham. This can be credited to his experienced back-up band.

It will be interesting to hear if he can pull the same trick in the studio.



Pictured here left to right are Tim Henderson, David Swanson, Roger Prescott and Tim McGovern of the rock band The Pop, Arista Record's latest asset. Not pictured is drummer Bob Billy.

'Pop' breaks through Patience pays off

by Sean Whaley

Many "New Wave" bands have a tough time making a name for themselves. The groups end up taking what they can get in the way of employment, usually four sets a night in some small bar.

This is the typical tale of The Pop, a five-member band based in Hollywood. However, today, after a series of "breaks" the story may be rewritten.

After several years of togetherness, they played a rousing set as an opening act for the Cars at the Santa Monica Civic Auditorium and were signed to a record contract by Arista's Clive Davis.

The Group played last week to a virtually empty house at the Bodega in Campbell to promote their first album on Arista Records, "Go!"

Tim McGovern, rhythm guitar player for the band, explained what life was like before the record contract.

"Playing around Los Angeles without a contract is really rough. The people (in the L.A. area) don't love you until you've made it bit somewhere else."

McGovern said it wasn't until a couple of years ago that clubs opened up in the L.A. area so bands without a record contract had a place to play and build a reputation.

The reason for the resurgence of night clubs, according to McGovern,

was the popularity of bands like the Cars, the Motels and of course, the Pop.

With the abundance of these so-called "New Wave" bands came a renewed interest by people in plain rock 'n' roll, hence the large number of new groups cutting albums and making it big.

"The record companies are signing

as a unit, possibly due to the long partnership of the two primary songwriters/guitarists, David Swanson and Roger Prescott.

Swanson and Prescott had been together for seven years, with McGovern joining up three years ago, becoming an indispensable songwriter and third guitarist.

Henderson was the group's roadie until he joined the band playing bass, and Bob Billy joined just recently for the club dates.

McGovern did the drumming on their new album "Go!"

The few patrons appeared to be enjoying the music, but the small crowd thinned to virtually a handful as the night wore on.

Other compositions included "Down on the Boulevard," "I Want to Touch You," "You Ought to Know" and "Fail Safe."

All were fast-paced songs relying heavily on the smooth singing of Swanson and Prescott.

The other member of the band is Tim Henderson who plays bass guitar.

Concert

everyone they can get," McGovern said.

As far as The Pop's music is concerned, "We're just a rock 'n' roll band," McGovern said, "I don't like the label 'New Wave'."

Neither "The Pop" nor the opening band, "The Daily Planet," another L.A. based group was pleased with the turnout at the Bodega, blaming it on the lack of publicity and name recognition by Northern Californians.

The band had played several other clubs in Northern California, most of which they filled to capacity.

Just before the conclusion of the first set, David Swanson spoke to the audience.

"It doesn't matter how many people are here as long as we can convince one of you to like us," he

Another neat 'Trick'

by Dave Abston

"Superstar" rock groups have a standard operating procedure; come up with two decent songs per album and don't worry about the rest of the LP.

The examples are endless: "Hotel California" and "The Long Run" from the Eagles, The Cars' "Candy-O," the new Fleetwood Mac double album dinosaur "Tusk," to name but a few.

When Cheap Trick became the "next big thing" last summer on the strength of their "Live at Budokan" LP, it was expected the follow up would conform to the usual pattern.

Surprisingly, "Dream Police" is their strongest effort yet, filled with intelligence, sly wit and above all, a rock and roll

passion unseen since - dare we say it? - the halcyon days of the Beatles.

"Dream Police" offers a look into the dark world of guitarist songwriter Rick Nielson. The title cut is a bouncing rocker about

Review

extreme guilt and paranoia.

"The dream police, they live inside of my head," lead singer Robin Zander wails, going on to explain these funny men are "coming for me...looking for me every single night."

"This House is Rockin' (With Domestic Problems)" is a prime example of Cheap Trick's ability to twist things

around. Taking the usually joyful image of "the house is rockin' tonight," songwriter Nielson turns the song into a dark tale of a man plagued by problems at home.

The LP's highlight, though, is "I Know What I Want," a driving, raucous rocker that owes as much to the New Wave's Wreckless Eric as the Fab Four. Bassist Tom Peterson contributes a perfectly nasal vocal and if there's any justice left in this world, (a 6-1 proposition as of this writing) it'll be a Number One hit.

However, with "Tusk" and "The Long Run" clogging the airwaves, the chances for true rock and roll look slimmer all the time.

calendar

theater

Studio Theater - "The Tail of El Gato Grande," Oct. 24-27, 8 p.m., 2:30 matinee on Oct. 27, Fifth and San Fernando streets.

Studio Hour - A collage of endeavors in all fields of theater arts. One man shows, films, lectures. Every Thursday, 3:30-4:30 p.m., Speech and Drama 103.

San Jose Theater Guild - "South Pacific," Oct. 25-26, 8 p.m., Oct. 27, 6 and 9:30 p.m., San Jose Center for the Performing Arts.

The Gaslighter Theater - "The Angel of Alviso Slough," or "Dirty Deeds at Dry Diggins," Friday and Saturday, 8:30 p.m. Ends Nov. 30 400 E. Campbell Ave.

Opry House Dinner-Theater - "The Downfall of Evil," Oct. 26, 8:30 p.m., Oct. 27, 7:30 and 10:30 p.m. 21350 Almaden Road.

Los Altos Conservatory Theater - "Blue Leaves," Oct. 25, 8 p.m., 97 Hillview Road, Los Altos. "The Odd Couple," Oct. 26-27, 8 p.m. "The Belle of Amherst," Oct. 28, 8 p.m.

King Dodo Playhouse - "Enuff of this Love Stuff," Oct. 26, 8:30 p.m., 12378 Saratoga-Sunnyvale Road, Saratoga "Prisoner of Second Avenue," Oct. 27, 8:30 p.m.

Menlo Players Guild - "The Vagabond King,"

Friday and Saturday, 8:30 p.m. Ends Nov. 10, Burgess Theater, Menlo Park Civic Center.
Sunnyvale Community Players - "Gypsy," Oct. 26-27, 8:30 p.m., Oct. 28, 2:30 p.m. Sunnyvale Performing Arts Center, 550 E. Remington Drive.

music

Chamber Music "Kaleidoscope" - Four music faculty members will perform a benefit recital Sunday at 3:30 p.m. Music Building Concert Hall. Performers will be pianist Patrick Meierotto,

cellist Donald Homuth, violin Susan Bates and Clemet Hutchinson on clarinet. For more information call 277-2922.
Youth Goodwill Mission - Taiwanese college students will perform Chinese folk songs and native dances in a free cultural per-

formance. Friday at 8 p.m. Morris Dailey Auditorium. For more information call 297-1729.

San Francisco Symphony's - Mostly Mozart Festival with conductor Raymond Leppard and duo-piano team of Anthony and Joseph Paratore with San Francisco's principal violinist Geraldine Walther. Thursday at 8 p.m. Flint Center in Cupertino. For more information call 552-8000.

Smokey Mountain - Tonight; Cornell Hurd Band. Tomorrow; Skycreek. Friday and Saturday; Poker Face. Sunday; Uncle Rainbow. Monday; Rags. Tuesday; Lover. 33 S. Central Ave., Campbell, 866-8288.

Keystone Palo Alto - Tomorrow; Back in the Saddle. Friday; Rubinoos and Shirts. Saturday; Paul Butterfield and Rick Danko Band. 260 California Ave., Palo Alto. 324-1402.

Bodega - Tonight; Daddy-O. Tomorrow; Snail. Friday and Saturday; Stoneground. 30 S. Central Ave., Campbell. 374-4000.

Championships, San Jose Civic Auditorium, 8 p.m. to midnight. Tickets \$3.50, \$2 for children thru 11.

Festival - Half Moon Bay Art and Pumpkin Festival, 10 a.m. to 5 p.m. Main Street, Half Moon Bay.

film

Camera One - Tonight; "Saint Jack" and "Daisy Miller." Tomorrow and Friday; "Wizards" and "Fantastic Animation Festival." Late show Friday and Saturday; "Nosferatu," "The Cabinet of Dr. Caligari" and "The Andalusian." Saturday and Sunday; "The Innocent," "Nights of Cambodia," Monday; "The 400 Blows," "Antoine and Collette" and "Les Mignons." Tuesday; "Young Frankenstein" and "Silver Streak."
Wednesday Cinema - "Superman," 7 and 10 p.m., Morris Daily Auditorium.

galleries

San Jose Museum of Art - 110 S. Market St., San Jose. The pottery of Barry Bates will be displayed through Nov. 13. The acrylic abstract paintings of Elmer Bischoff are on display until Nov. 15.

events

Grand National - Then West's biggest rodeo, horse show and livestock exposition begins at 7:30 p.m. Friday and Saturday at 10:30 a.m., 2:30 p.m., and 8 p.m.
Karate - California Karate

Indian music by Rai



Musical tunes dating back 4,000 years will be presented tomorrow at 11 a.m. in the S.U. Loma Prieta Room, free of charge.

Vasan Rai, a highly acclaimed vir-

tuoso Sarodist, will play some of India's most highly respected classical music.

Rai has performed in many concert and lecture-demonstrations in this country and around the world.

SALES
Macy's Eastridge
Do you have extra time on your hands? If so, turn that extra time into extra dollars.
Macy's Eastridge is now accepting applications for temporary part-time Christmas positions. Please apply Macy's Personnel Monday thru Friday, 11 to 4.
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PROUDLY PRESENTS MR. NATURALS FAVORITE GAME!
LIFE-SIZE BACKGAMMON!
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COME JOIN THE FUN!!
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Come by for a special student discount card. It's good for a whole year, and entitles you to 10% off any Command Performance service. Including our precision haircut.
Precision haircutting is our technique for cutting the hair in harmony with the way it grows. So as it grows it doesn't lose its shape. Your haircut will look as good after five days as it does after five minutes.
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Backlog forces postponement of A.S. selection

by Patty Selbach
Selection of members for A.S. and Academic Senate openings was halted last week due to a backlog of paperwork, Kevin Johnson, A.S. personnel officer said. Johnson supervises interviews for student government positions, aided by a staff of student interviewers. "I have to apologize to the people who have applied and have wondered why they haven't heard anything," Johnson said. The resignations of two A.S. executive officers and six other council members have made the beginning of the "hectic" year for Johnson.

"We cannot possibly fill everything," Johnson said. "We filled most of our priorities." Currently, there are "enough people to keep student government going," he said. Fazel Fazelbhoj's abandoned vice presidency was automatically filled by next-in-line council vice chairman Kiran Majithia. However, the attorney general's position vacated by Celio Lucero is still not filled. There is no specific procedure for filling the attorney general position, Johnson said, but A.S. President Nancy McFadden is reviewing applications. "I wouldn't be surprised if someone form council applied for the job," he said. There are "very few constitutional duties - the job is what you make it," said Johnson of Lucero's old post. "He (Lucero) was in here 20 hours a day, it seemed." There was "no one pushing him to do anything," he said. Lucero is "still doing what he had been doing" in a non-official capacity until his position is filled, according to Johnson. Three other council seats remain open; two graduate

seats and one upper division seat. Johnson said he received at least four applications for the graduate openings and two for the upper division vacancy. For the numerous other committee openings, about three applications per opening are submitted, he said. Processing of the applications involves an interview conducted by Johnson and two members of his personnel selection committee. "I ask the same questions of every applicant," Johnson said. Johnson looks for a student's willingness to commit themselves and make themselves available to serve A.S. government. Johnson and two interviewers evaluate the applicant and then vote whether to recommend appointment. McFadden then makes the final decision. Students interested in A.S. government can inquire about openings in the A.S. office, on the upper level of the Student Union. Johnson believes that serving student government promotes personal growth. "It's a real learning experience," he said.

Students invited to evaluation meeting

The Intercultural Steering Committee invites foreign students to the ICSC Orientation Evaluation meeting on Oct. 29 at 5 p.m. in the S.U. Student Council Chambers. The meeting will provide a forum for foreign students to make suggestions for a better International Student Orientation week. The orientation week is sponsored at the beginning of every semester by ICSC to provide information about SJSU foreign student advising, walk-through registration and tours and social events for international students. "We particularly would like to hear from any foreign student who didn't get oriented when they first arrived here," ICSC Faculty Adviser Ruth Roche said. "We also welcome any other foreign student to attend the meeting to ask questions," she said.

classifieds

announcements

WANTED: Baseball cards, yearbooks and world series programs, autographs, statues, sports memorabilia. QUICK CASH. See Dr. Lapin, Bus. Tower 763, or call 837-0191.

EVERYBODY is invited to the SJSU Poikdance Club for Balkan-Israeli folk dancing. Teaching from 7:30 to 9:00, followed by request dancing from 9:00 to midnight, Friday evenings in WG 101.

MOVING and hauling: I have small covered truck and will do all sorts of jobs. Call ROY at 298-6917.

STUDENT dental plan. Take care of your mouth - enroll now!! Information at A.S. Office, or call 371-4811.

BALLET classes and exercise. All ages, all levels. Personal attention, detailed instruction. School of Ballet Arts, Call 286-4118 or 998-2416.

TUNA BENEDICT: Lunch plate, \$1.40; Milkshake with bananas, honey, 95 cents. Hot carob drink with milk, honey, 70 cents. HEALTHY WAY FOODS, 126 San Salvador.

GREENEASER meets Wed., Oct. 24 in the S.U. Almaden Room at 2 p.m. Speaker and film "Voyages to Save the Whales." All welcome.

FREWAY COFFEEHOUSE A place to relax, meet other students, share your poetry, musical talents or ideas. Free coffee and lemonade. Close to dorms at 435 S. 10th. Parking at church next door. For more info, call 294-4564.

SPARTAN Gardens Recycling Center is open this semester Wed., 10-2 p.m., and Sat. and Sun., 9-4 p.m. We take newspaper, cardboard, glass, aluminum cans, tin and bimetal cans and now motor oil. We're across from Spartan Stadium on the corner of S. 7th and Humboldt st. Bring your recyclables and come out and support us. Volunteers welcome.

GIVE the gift you can give to someone you love, a beautiful award winning portrait by John. Call John at 448-2388

GSU: Gay Student Union is a supportive organization for lesbians and gay men to socialize and express their gayness. We meet every Thursday, usually in the S.U. Guadalupe Room at 8 p.m. Please come and share. Our schedule for October is: 10/4, (panel discussion) on Gay Rights Ordinance, David Stewart, Human Relations Commissioner and Chris Nunez; 10/11, Miniature golf. Meet at Guadalupe Room; 10/17, Lesbian Caucus, Women's Center, 7:30 p.m.; 10/18, Speaker meeting, Jerel McCrary; 10/25, Speaker meeting, Wiggy Sivertsen.

SJSU COUNSELING SERVICES: Available to all students who would like help with vocational, personal or academic concerns. Come see us in our new office, Room 223, Administration Building, 7th and San Fernando. Call 277-2966.

RED CARPET Realtors is offering a career in Real Estate in both residential and commercial divisions. We will be interviewing on campus Friday, Nov. 16, 1979. Interested students may sign up for an appointment in the Career Planning and Placement office, Bldg. Q, Room 3, starting Oct. 30, 1979.

REVISING, editing, organizing manuscripts, reports, term papers; also fiction consulting. Call Dave at 247-6277, vev.

The Freeway Coffee House Presents: "A forum on Human Awareness focusing on the Gay Community." Guest speakers: Rev. Sky Anderson and friends from the Metropolitan Community Church, 7-10 p.m. 435 S. 10th St., near San Salvador. Come join us with your questions and relax with free coffee and tea. Free parking at the church next door. Sponsored by the Young Adult Ministries at St. Pauls United Methodist Church.

INTERESTED

in outdoor adventures? Come and join the SJSU Sierra Club on Tues. nights at 7:30 in the S.U. Guadalupe Room for activities and trips. Here's what's planned so far! Oct. 12, beach party; Oct. 19-21, beginners backpacking to Eagle Lake in Tahoe. Join the fun! Any ques. or info. needed call Greg at 289-9956 or Jeff at 289-9674.

GET involved with working with people who enjoy helping others. Join Circle K, a campus and community service club. Meetings on Tuesdays at 7 p.m. in the S.U. Almaden Room. For more info, call Dale at 277-8156.

ASPEN STILL OPEN! Only 10 spaces left. Six nights in condos, 6-day lift ticket, round trip bus and parties only \$286. Call Steve or Brian at 998-1047 for more info. Get Bizarre! Get Crazy! Ski Club's Halloween Dance is here. Wed., Oct. 31, from 8-12. Dance to Legend and drink at the beer you can for only \$3 members, \$5 non members. Jewish Community Center, corner of Curtner and Canoas Garden Rd. (1/2 mile east of Capitol Expy.) Next meeting, Thurs., Nov. 8 at 7:30 p.m. in Engineering 132. Be there or be square. Thanks to all who camped out for Aspen. You make the Ski Club what it is. Wild people and crazy times.

YOGA meditation. Day and night classes. Emphasis will be directed toward relaxing our body and mind. We will use our breath as a tool to rest our minds, emotions and tensions. Students with I.D. receive 50 percent off/mo. Non-students, \$30/mo. Please call 292-6359 or 293-3663.

74 HONDA MT-250 Motorcycle: dirt or street. Only 1K mi. perfect cond., \$490. See to believe. 736-9915

74 MUSTANG II Ghia. Exc. cond., low, low miles, new tires. Must sell!! \$2,675. Call 277-3171 or 277-8772, ask for Laura.

72 DODGE, Maxivan windows, PB, PS, AT, 360 engine, new brakes. \$2,500 or offer. Call 274-1712.

71 VW BUS, AM/FM, cassette, Clean and dependable, \$1,900. Call Craig at 277-3838, 353-2604 eves.

63 BUICK Special. Good cond., new paint. V-6 eng., good MPG. Must sell!! \$500. Call 294-7127.

4 FOUR-DAY STORE Wed. thru Sat., 9-6

USED furniture: Good prices. We are "unfurnished" apartments close to campus on a regular basis. We have available dinettes, hideabeds, coffee and end tables, lamps, rugs, dressers, desks, beds and misc. Cash and carry. Call 295-7438.

DEAR Students, faculty and employees. When you need insurance, isn't it nice to know there is someone who can help you with all your insurance needs? I would enjoy helping you protect the good things you have worked hard for with a State Farm car, homeowners, life and/or health insurance policy. I would also enjoy the opportunity of providing you with dependable protection and prompt personal service. For more info, please call: **MORY STAR** 253-3277 to review your insurance needs at the time and place of your convenience.

MIYATA is the No. 1 selling bicycle in Japan, No. 1 in Belgium, and the No. 1 import in Europe. Raced by the Dutch and Belgian teams, ridden to world and European championships, and is the only one we carry. Miyata since 1890. Shaw's Lightweight Cycles, 131 E. William Call 295-5824.

BICYCLE, Schwinn Super LeTour, 12.2, brand new, 19", only 26 lbs. Asking \$170. (Retail \$278). Call 288-5720.

UNITED Air Lines half-fare coupons for sale, \$30 each. Call 263-4677.

IBM Model C (office model) typewriter. Excellent condition. Asking \$325. Call Pam: 277-2188, 227-0860 after 5:00.

USED Books For Less. Recycle Bookstore, 98 E. San Fernando on corner of 3rd. St. Call 286-6275.

REED Carpet, Quimby Square Realty is offering a career in Real Estate in both our commercial and residential divisions. If you are sincere and desire unlimited income potential, call Mr. Fahmy at 238-5111 for an interview.

DIRECTOR for Child Development Center. Salary to \$1,200 mo. Requires type A children center permit, BA in child development or related field, and/or standard teaching credential. Two years teaching experience with pre school age children. Prior experience directing day care center required. Send resume to FGCCD, c/o B. Lentler, 168 S. 10th St., San Jose, CA 95112. Deadline Oct. 30, 1979. Call 292-7288.

STUDENTS in Nursing, O.T., P.T., Recreation, Psychology, Gerontology and others: We have full and part time positions working as assistants with older Americans. Paid training, flexible hours and exc. benefits. Must be warm, friendly and have an interest in the aging process. For more info., call Skyline Convalescent Hospital at 298-3950. Ask for Nancy.

NEEDED: Bands to play for local community dance dances. Pay negotiable. Call Kathy at 277-4007 between 9 a.m. and 4 p.m.

IMMEDIATE openings in your area helping elderly and disabled. Work around your classes. No experience necessary. Rekedy Homemakers, Call 298-1344.

WANTED: Leonghty typing job, long deadline, book of equivalent. Wounded "Bird," Bum Wing Expert typist, excellent machine.

PART TIME work for students. We have a few positions open for responsible people who want to earn \$100 to \$400 per week, working only 21 to 25 hours. Perfect for students. Won't interfere with classes. Previous sales experience helpful, but not necessary. We train. Call 866-0400.

JOBS ON SHIPS! American, foreign. No exp. required. Exc. pay. Worldwide travel. Summer job or career. Send \$3 for info. to SEAFAX, Dept. C-4, Box 2049, or First and Laurel streets, Port Angeles, WA 98362.

WANTED Immediately: Canvassers: Part time, 4:30 to 7:30 weekdays; Saturday 10 to 2. \$175 per sale. Average person gets from 2 to 5 sales per week. Make big money part time, from \$350 to \$750 easy, getting leads for leading insulation company. Call (415) 995-3994.

TYPIST for law firm. Full/p.t. time. Will train. Call E. Guild at 279-3078 or 792-5318 for info.

ATTENTION Skiers! Part-time student sales representative position available for 1979-80 school year. Job involves promoting high quality ski and sun trips on campus for commission plus free skiing. To qualify, individual must be highly motivated. Please call or write for an application to Summit Travel, Inc., Parkade Plaza, Suite 11, Columbia, Missouri 65201. Call (314) 874-6171.

ATTEND CARE for man. Part time, 10 to noon. \$4/hr. Call 292-0469 from 1-4 p.m.

GOOD S. Set your own hours. Process service. Call 295-6008, Mon.-Fri.

OVERSEAS JOBS: Summer, year round, Europe, S. America, Australia, Asia, etc. All fields. \$500-\$1,200 monthly. Expenses paid. Sightseeing. For free info, write IJC, Box 52-5B, Corona Del Mar, CA 92625.

MEN:WOMEN: JOBS! CRUISESHIPS! YACHTS! No experience. Good pay! Europe! Australia! So. Amer. World! Send \$4.95 for APPLICATION, INFO., REFERRALS to CRUISEWORLD, Box 60129, Sacto., CA 95860, 2535 Watt Ave.

PART-TIME sewing. Pattern making, designing, some retail sales. Call 267-2333.

NEEDED: Nursing and clerical personnel. Flexible hours, good pay. Aides, orderlies, \$5.25/hr.; L.V.N.'s, \$7/hr.; R.N.'s, \$8.50/hr. Clerical personnel, various wages. Call New Horizons at 244-5552.

SERVICE Assistant. Zoccon has an excellent opportunity for an individual seeking a part time position (1-5 p.m.). You will assist in purchasing and receiving, and in mail service when necessary. No daily filing, and stock supplies. No experience needed, we will train you. An accident free California driver's license record and the ability to lift heavy boxes and work with minimal supervision required. Position offers \$4 per hour and company benefits. For immediate consideration please contact: Zoccon, Personnel Office, 975 California Ave., Palo Alto, CA 94304. Or call (415) 329-1130, ext. 240. We are an Equal Opportunity Employer M/F. ZOECON.

The Peninsula French/American school in Palo Alto needs people (men preferred) to teach the 3 R's in English, 1 hour a day. (415) 854-6856, evenings.

UNWANTED hair removed forever. Specialist - confidential. 235 S. Baywood Ave., San Jose. Call 247-7486.

CONGRATULATIONS to the fall 79 pledge class of Sigma Alpha Mu. Lots of luck and love! Your little sisters.

HAPPY anniversary in Westmont. Hope you have a great day in Him. Thanks so much! Love, Dimps.

ROOM for rent in a family home. Call 379-2387 eves., or write P.O. Box 1391, Campbell, CA 95008.

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FREE COTTAGE: Single girl only! Clean for 1-1/2 hrs. Car needed, 14750 Clayton Rd., San Jose. Call 258-1278 after 4 p.m.

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SALES PERSON: Unique opportunity for college student, part time or full time. Earn \$2,000 or more, high commission. For information and interview, call 294-7278, ask for Mr. Tahvilian, M-F, 10:30 to 2 p.m.

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PART-time a.m. Work weekdays or weekends in Los Gatos for disabled graduate student. \$4/hr. Call 356-2716, in a.m.

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lost and found

FOUND: TI calculator, north side of Seventh St. garage. Base

Counsels individuals

Clinic deals with life

by Marion Chiri

The psychotherapy program of the Women's Community Clinic at 696 E. Santa Clara St. provides counseling services for those with "normal, everyday problems of living," said Leah Potts, director of the psychotherapy program.

Potts said the clinic provides individual counseling for men and women as well as therapy for couples and families, all on a sliding fee scale.

Representatives of the program are also willing to come to the SJSU campus to speak to interested groups, she said.

The Women's Community Clinic itself is seven years old. The psychotherapy program has been in existence for about three years, according to Neida Muniz, receptionist.

Muniz speaks both Spanish and English, as do some other counselors in the program. The nine therapists are specialists in separate areas such as marriage and family counseling and stress management.

Both men and women are available as counselors. The staff is composed of psychiatrists, psychologists, marriage and family counselors and licensed social workers.

Most of the problems handled by the clinic are those of people having trouble relating to other people and feeling good about themselves, according to Potts.

"The typical patient is a young woman in her 20s or 30s trying to make her life more what she'd like it to be," Potts said.

Although Potts said the program does not work with people who are acutely psychologically ill, referrals for intensive care are made. Short-term and long-term services are available.

"We see that some people bumble along with life not being as satisfied as they could be... those people can be helped by our services," Potts said.

Facilities at the clinic are attractive and comfortable. An emphasis is made on counseling without interruptions, Potts said.

"Our records are kept locked - we have a great deal of respect for confidentiality," she said.

The program, which books appointments until 9 p.m., offers therapy groups in assertiveness and women's sexuality, as well as weight reduction.

Potts said the weight reduction group stresses a lifetime modification concept, "so that they don't have to spend their life on a diet."

Stress management is also an important facet of the program, Potts indicated, and is relevant to the lifestyles of most students.

Exploration into "ways to get the job done without an inordinate amount of stress," is covered in these groups, and a biofeedback program implements the process, Potts said.

Biofeedback is useful in helping the client identify the difference between a tense state and a relaxed state.

The biofeedback system is part of the clinic's holistic health program, as are the weight reduction groups.

"Our clinic is unique in that we do have a holistic health clinic," Potts said, indicating the therapists are interested in treating the entire physical system, although concentrating on psychological counseling.

Payment for services depends on the individual's ability to pay, usually based on income and number of family members. Potts said fees usually run about \$18 and

up per visit, as compared to private fees of \$40 and up, and many insurance companies now cover psychotherapy.

The program serves people from as far away as Mountain View, Sunnyvale and Milpitas. Therapy techniques range from behavior modification methods to psychodynamics, a theory similar to Freudian psychoanalysis.

Other services offered by the Women's Community Clinic include family planning, pregnancy testing, obstetrics and gynecological services, abortion services and holistic health services.

Appointments may be made with the psychotherapy program in the day or evening, usually in the same week a person calls, Potts said. The program is federally funded through the department of Health, Education and Welfare, and can be reached at 287-4322.



Bob Beito, a counselor for the psychotherapy program of the Women's Community Clinic, listens to a client in a session.



A.S. debates nuclear power

The safety of nuclear power will be discussed at today's A.S. Council meeting.

The Upper Pad of the Student Union will be the site for the forum from 3-5 p.m. The public is invited to ask questions of a special panel.

An SJSU professor of mechanical engineering, a nuclear safety specialist and an opponent on nuclear power will answer questions about nuclear power.

Donald J. Myronuk, who has taught mechanical engineering at SJSU since 1969, worked at the Chelk

River Project of Atomic Energy of Canada Ltd. from 1960 to 1964.

The second panelist, Loyd B. Nesbitt, has been a design engineer for General Electric nuclear energy business group for 11 years.

Recently Nesbitt helped analyze the Three Mile Island "hydrogen bubble" phenomenon as a consultant to the Electric Power Research Institute in Palo Alto.

He also worked at the General Electric research lab for 17 years in solid state physics and cryogenic research.

The third panelist is a member of GONE (Group Opposed to Nuclear Energy).

Mark Zemelman got interested in nuclear power while working at the National Institutes of Health a few years ago.

Zemelman then worked with People for a Nuclear-Free Future in Santa Cruz for a year.

Next week Zemelman will be involved in the training of nonviolent blockade of Diablo Canyon Nuclear Power Plant near San Luis Obispo.

Social Science ratios challenged

continued from page 1
Rothblatt said that by using the 15-unit method to count students, the university's recommended minimum SFR is higher than the APA's recommended maximum. "If you count FTE as 12 instead of 15 units, then the numbers are quite high."

"We have been functioning at this level," he said, "but we consider this an overload. But, if we have to, we can continue."

James Willis, chairman of the Economics Department, said his department has one of the highest SFRs in the university, functioning at an average of 28 students per instructor. The department's assigned SFR is 23.0 to 27.0. Willis said they would prefer a ratio of 25 to 25.5.

"We have introduction classes of over 100 students," Willis said. "There is no room for questions."

Willis believes the problem is a result of growing demand in certain areas of the university.

"If we wanted to be more efficient," he said, "we should move resources - teachers - from where demand is low to where demand is high."

"But that means laying off faculty members," he said. "This university has been reluctant to lay

off faculty, but I think they'll have to do this eventually if they don't want the teaching level to become deplorably bad. That's not a very popular opinion around here."

Willis said he is "not very hopeful that anything can be done" by speaking to the committee.

SFR criteria questioned

continued from page 1
In contrast, many other departments can get by with a large enrollment from general education courses and a small number of majors. Kuykendall refused to name any of these.

The formula used to calculate the SFR of a department takes into account such variables as: past enrollment patterns, type of courses being taught, number of students enrolled, and the time a faculty member spends in the classroom.

The main objections now being raised by Kuykendall and other department heads concern the fairness of some of the criteria that are used, and the way they are applied to determine SFR's.

Kuykendall has questioned the use of historical enrollment patterns as part of the criteria. The past faculty allocations for his department were based on financial restraints, and not rational processes, he said.

spartaguide

Faculty Booktalks will be presented today at 12:30 in the Staff Cafeteria, Room A. Dr. Michael Otten will review "Contested Terrain: Transformation of the Workplace in America".

Greenpeace will show a film, "Voyages to Save the Whales" at 2 p.m. today in the S.U. Almaden Room.

Associated Students will present a public forum on nuclear energy today at 3 p.m. in the S.U. Upper Pad. For more information call 277-3201.

Researching education will be the topic of today's library lecture in LC 217 at 1:30 p.m. Sign up at the main reference desk, 2nd floor, Library Central.

AISEC will have a meeting today at 5:30 p.m. in the S.U. Costanoan Room. The topic will be "Marketing in Japan."

Chicano Business Students Association will hold a meeting today at 3:30 p.m. in the S.U. Pacheco Room. For more details call Mario Reyes at 262-0755.

German Club will meet today at 1 p.m. and see a full-length German film in the Engineering Building, Room 132.

Career Planning and Placement will present "Career and Self Exploration Sessions" today in Business Tower, Room 51. Call Cheryl Allmen at 277-2816 for more information.

Rho Epsilon, real estate fraternity, will host David J. Morrison speaking on "Housing Shortage" tomorrow at 7 p.m. in the A.S. Council Chambers. For more information call Pat Cain at 269-3613.

CARP will have a lecture by Dan Fefferman on "Unification View of History" tomorrow at 12:30 p.m. in the S.U. Costanoan Room.

Rec. 97 will present "Life-size backgammon" tomorrow from 11 a.m. to 1 p.m. in the Art Quad. For further details call Mark Schultze at 297-9873.

The Home Economics Department will meet and discuss the history and application of embroidery of garments from 1850 to 1900 in Santa Clara County. For more information call Claudia Ruffy at 277-3656.

PRSSA will have a meeting with Richard Davin, nuclear information specialist with PG&E in Journalism, Room 117 at 7:30 p.m. tomorrow.

Gay Student Union will meet tomorrow at 8 p.m. in the S.U. Guadalupe Room.

Chicanos in Medicine will have medical, dental, pharmaceutical and nursing presentations tomorrow night at 7 in Education Building, Room 211. For more details call Raul Calanche at 277-3522.

Inter Varsity Christian Fellowship will host Jan Armstrong who will speak on "Why's and What's of Evangelism" tomorrow at 7 p.m. in the S.U. Almaden Room. Call Mike Stiffel at 277-8653 for more details.

Nurses' Christian Fellowship will hold a

meeting tomorrow at 4:30 p.m. in the S.U. Montalvo Room.

Asociacion Latinoamericana de Bellas Artes is looking for music students interested in earning credits for volunteering in a non-profit Latin American cultural group. For further details call Professor Luis Gonzales at 274-2772.

Voice sought to select faculty

continued from page 1
deans or even the president. Also, students may appear before department personnel committees.

"The existing policy is very strong and needs to be implemented, not changed," McNeil said.

Kichung Kim, faculty-at-large member of the committee, also argued that student evaluation of instructors is already required.

"What more can student members tell the committee that the committee doesn't know?" he asked.

Vicki Thurman, acting student affairs committee chairwoman, responded, "It's a student perspective versus a faculty perspective. Which perspective is of most value?"

McFadden said the two main points the student senators will argue are that student participation must be part of the faculty evaluation process, and the concept of teacher effectiveness should be the primary criterion in evaluations.

Scholarly and professional activities are considered as well as teacher effectiveness.

"Gail Fullerton said in her inaugural address that teaching, not research, is most important at a university," said Kiran Majithia, A.S. vice president.

The Statewide Senate has requested resolutions from each university senate in the system by its November meeting. Thurman predicts the SJSU senate will "undoubtedly rewrite both resolutions, and there will be a lot of bargaining, a lot of compromising."

"We are not going in expecting to get a voting membership," she said.

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