

Times are tough

Engineering jobs are out there, if you can find them, consultants say

□ CURRENTS—PAGE 3

Winning form

Gymnast Hughes-Tsarnas shines as Spartans take third straight victory

□ SPORTS—PAGE 4

SPARTAN DAILY

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Serving the San Jose State University Community Since 1934

Tuesday, February 10, 1987

SJSU bucks trend; students sticking with engineering

By Rosa Tong
Daily staff writer

Unlike other colleges and universities, SJSU engineering and computer science programs have not suffered major changes in enrollment, in spite of the stagnant job market.

A survey by the Higher Education Institute (HEI) at the University of California at Los Angeles found a drop in enrollment in these fields at other schools because of their sensitivity to the job market.

Marilyn Shalit, staff associate for the institute at UCLA, said that

engineering and computer science careers peaked in 1983.

Since then, majors in computer science have declined by 50 percent and in engineering by 20 percent.

Over 290,000 students from 522 American colleges and universities responded to the survey, which began in 1986.

SJSU did not participate in the 20-year study, according to Shalit. Participation was voluntary and SJSU did not respond.

Contrary to the survey, SJSU's math and computer science majors in-

creased from 906 in 1983 to 1,045 in 1986, according to a report issued by the Educational Planning and Resource Office at SJSU.

Most of the students hope to get jobs related to their field of study.

"I realize that that's what the students are most interested in," said Veril Phillips, chairman of the Department of Mathematics and Computer Science.

Phillips said the survey from the HEI at UCLA is subject to some errors, mostly because of the changes

in name classification and curricula, and because of its sample size.

All regularly enrolled students whose grade point average is at least 2.0 are eligible to enter the computer science major, said Phillips.

There is no additional test except for the entry-level mathematics (ELM) test, which is a requirement for every student.

For engineering majors, the numbers stayed within a close range — 3,291 in 1983 to 3,136 in 1986 — a decrease of less than 10 percent.

Robert P. Romig, academic dean for the School of Engineering, said applications for the 1987 academic year are currently being reviewed. He said there have been 29 fewer applications this year than in 1986, when there were 1,231.

Because the school is impacted, students who could not enter as engineering majors request an internal change of major, after completing 15 semester units.

Romig said about 50 percent of

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SJSU's math and computer science majors increased from 906 in 1983 to 1,045 in 1986.

Netters chosen for volleyball league

Three Spartan players join new local team

By David Barry
Daily staff writer

Until three months ago, Christa Cook, Lisa Ice and Teri DeBusk had never even heard of the women's professional volleyball league.

Today, the three former SJSU volleyball players who played under Coach Dick Montgomery are expressing excitement at joining the San Jose/San Francisco Goldiggers of the new six-team league.

"It's just neat for all of us," Cook said. "There are six teams with nine players and that means that we are among the top 50 players in the country."

Of the three, Cook — who finished her playing career at SJSU in December — had the most difficult time making the team.

The six-foot outside hitter/setter had to try out for the team because she was not drafted. She did not learn until Sunday that she had made it.

"I felt privileged to be selected for the pros," Cook said.

Ice and DeBusk, meanwhile, had been chosen by the Goldiggers in the December league draft.

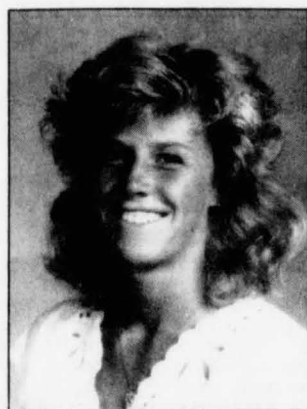
Ice, a 1986 All-American as a senior, was the second player taken in the draft and the first player ever taken by the Goldiggers.

"Toward the end of last season, I had heard that there was going to be a league," Ice said. "Then the general manager called me and told me that I had been drafted. I was really pleased."

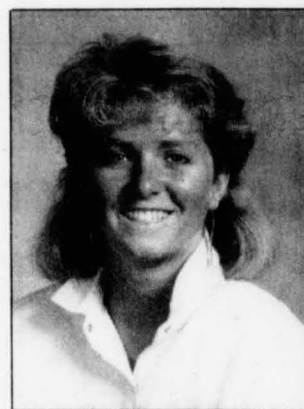
DeBusk, who finished her career as the Spartan setter in 1985 by being named the Nor-Pac player of the year, was chosen by the Goldiggers in the territorial draft.

Players will each make a minimum of \$275 a week plus \$75 a game and an additional \$50 if their team wins, Cook said.

Money is not the only benefit to



Crista Cook



Teri DeBusk



Lisa Ice

Former Spartan Volleyball players turn professional with the San Francisco/San Jose Goldiggers.

playing in this league.

The three women will be able to continue their schooling because they will be practicing at night and playing their games — which begin on Feb. 22 in Chicago — on the weekends.

Cook, an advertising major, and DeBusk, a human performance major,

will graduate in June. Ice, also a human performance major, will graduate in December.

"In college we played over 30 games a year," Cook said. "Plus, you're practicing almost every day. You don't have much time to do anything else."

DeBusk also saw the schedule from a favorable perspective.

"Before I was drafted, I was just playing volleyball for fun and I was concentrating on graduating. Now I can do both."

Playing in San Jose will also makes it easier on the three players.

Cook said.

"There are some players who are playing for New York who are being flown in on the weekends to play. And we will have players from San Luis Obispo who will have to come up to play," she said.

Ice likes the league for another reason.

"The league is sanctioned by the United States Volleyball Association, so I can keep my amateur status and still play on the national team or even the Olympic team," she said.

The San Francisco/San Jose team, which will play all of its home games at the San Jose Civic Auditorium, should be competitive.

In addition to the three SJSU players, they will also have Lori Corbelli, Corbelli, the wife of SJSU assistant coach John Corbelli and the coach at the University of San Francisco, is a 1984 Olympian.

Championship thoughts aside, all three players are just hopeful that people will come out to see the team.

The first of 11 scheduled home games is on March 2 against the New York Liberties.



Edward Ledesma — Daily staff photographer

Tim Warner, a junior majoring in business, tested "It's a lot easier than taking the elevator, but it gets nasty when it rains," Warner said.

New ramp installed for better access

By Rosa Tong
Daily staff writer

A mobility problem for disabled students will be resolved upon completion of a zigzag-shaped ramp on the north end of the Business Tower.

Finishing details, such as painting and relocating the grass sprinklers, are still needed, said SJSU Design and Construction Manager Barbara Pluta. The work will be completed sometime this week, Pluta said.

Pluta met with the contractor, O.E. Anderson and Son, and Disabled Student Services Coordinator Marty Schuller Friday to evaluate the ramp.

Many people are already using the ramp. It is "inherently finished... The ramp is safe to use," Pluta said.

From a total of about 350 disabled students at SJSU, 60 percent to 70 percent are mobility-impaired. The ramp will make it easier for them to access the building, Schuller said.

Bruce Gabriel, a disabled student, said that the new ramp is too long, which makes it harder for people in wheelchairs — especially on rainy days.

"I'm not happy at all with the facilities in the Business Building."

— Jim Garcia, mobility-impaired student

Gabriel, a senior majoring in social work, transports himself in an electric powered wheelchair.

There were no strict specifications on access for disabled students in the California State University system until the mid-1970s when a state administrative code ordered provisions for ramps and other aids in new buildings.

"I'm not happy at all with the facilities in the Business Building," said Jim Garcia, a junior majoring in behavioral sciences. Garcia is quadriplegic and uses a manual wheelchair.

"When it's wet, (the ramp) is

dangerous. Even if you put on brakes, (the wheelchair) keeps sliding," Garcia said. "Anybody can design a project that appears to be functional, but whether it is functional to mobility-impaired people is another story."

"A person in a wheelchair has a whole different equilibrium system (and) center of gravity," Garcia said. "All these have to be taken into consideration."

Schuller explained other mobility difficulties at SJSU.

"We're having problems with construction," Schuller said, referring to the construction of the new Recreation and Events Center and the Engineering Building. "There could be more care and consideration."

Gabriel identified the obstacles caused by construction of the new Rec Center and renovation of the Engineering Building, along with San Carlos Street, as major mobility barriers at SJSU.

"I realize that construction is necessary to improve our campus," Gabriel said.

The slight slopes on the intersection

See RAMP, back page

Triumphant Forensics Team displays trophies at university

By Julie Laffrenzen
Daily staff writer

SJSU's Forensics Team members presented trophies for their debate and independent events victories to the university at the forensics awards ceremony last week.

The trophies represent the most successful season so far in the program's 10-year history, said Phil Wander, debate coach and head of SJSU's University Forum.

"We're ranked 10th in our region," Wander said. SJSU is a member of the Southwest Region and shares its ranking with the University of Southern California.

Other members of the Southwest Region include the University of Santa Clara, ranked 12th; Stanford, ranked 15th; University of California at Los Angeles, ranked 20th and University of California at Santa Cruz, ranked 37th, Wander said.

Laurie Lema, director and founder of the forensics program, and Wander are extremely proud of the program this year, "especially in view of the fact that everyone on the team goes to school full time, and works full or part time," Wander said.

"Debating involves a lot of footwork, a lot of research. Team members are always helping one another — Xeroxing cases, helping with research, you name it," Wander said. "Then, when a trophy is won, they know that everyone helped out. There is a lot of camaraderie on this team."

The debate topic for this half of the term, running from

"The trophies represent the most successful season so far in the program's 10-year history."

— Phil Wander, debate coach and head of SJSU's University Forum

January through April, is the question of whether mandatory drug testing of employees is an unwarranted invasion of privacy, Lema said.

"This topic is debated all over the country by all of the schools," Wander said. The debate topic for the first half of the term (October through December) was "(that) improved relations with the Soviets are more important than increased military preparedness."

The top debaters in the forensics club include Stan Bialy, captain of the debate squad and Michelle Holling, co-captain. Both are members of two-person debating teams for SJSU, three of which have qualified for the National Debate Tournaments, said David Worthington, coach of debaters.

See DEBATE, back page

Society fosters wife-beating and violence

By Annie M. Belt
Daily staff writer

Domestic violence affects men and women of all age, race, religious and income groups, according to two Bay Area counselors and Diane Schaffer, associate professor of the school of social work, SJSU.

The complex causes of domestic violence include destructive messages society sends men and women about sex roles, Schaffer said.

Battering is "prevalent"

See VIOLENCE, back page

Organ to be dedicated to SJSU Music Dept.

By Deborah J. Kaplan
Daily staff writer

The Dr. Philip Simpson Memorial Organ dedication ceremony will take place in the Music Department's Concert Hall on Wednesday.

David Britton, internationally acclaimed organist, will be the featured guest at the first recital of the organ.

The title of the performance is called "Of Bird, Battles, Buxtehude and Clever Curiosities..."

Selections for the evening include music of Spanish, German, French and Italian origins, said David Simi, current organ instructor and SJSU alumnus.

The organ was originally installed in Simpson's music studio in the music building, said Lavonne Simpson, the professor's widow.

"He was hired in the fall of 1971

to try to boost enrollment in the organ section of the Music Department," she said.

He did just that. "There were only three students enrolled in the program when Phil was hired," Simpson said. "In the four years he was here, enrollment was up to 25 to 30."

"Phil got his degree in music at the University of Oklahoma, where he studied with Marie-Claire Alain, one of France's premiere organists."

He received his doctorate of Musical Arts performing degree in organ performance at the University of Colorado, she said.

SJSU heard about Simpson and his expertise in the field of pipe organ performing and offered him a

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Editorial

Hodel's ultimatum a conceit of power

Interior Secretary Donald Hodel told a special California negotiating committee last week that it has 30 days to accept his new oil and gas drilling plan — allowing rigs to drill three to six miles offshore — or else.

The "or else" is his bypassing the committee and proposing to Congress routine leasing with no special tract-by-tract protection for the California coast. Congress would have 60 days to reject the proposal. If Congress were to take no action, the plan would automatically be effective at the end of June.

In issuing this ultimatum Hodel spurned a congressional requirement that he seek a compromise with the state's legislative delegation.

Those most directly affected by offshore drilling must have a voice in the development of any offshore drilling plan. The legitimate vehicle for that voice is California's duly elected representatives.

Hodel cannot summarily dismiss the legitimate

concerns of the people of California nor can he ignore a legislative directive.

The future of the California coastline is both a state and federal issue. Decreasing our dependence on imported oil is a pressing issue in the national interest. Preserving our environment should be just as urgent a national priority.

Neither issue should be at the discretion of one man.

It behooves the secretary to consider California's legislators and environmental groups. Already many coastal community governments have passed restrictions limiting onshore facilities needed to handle offshore drilling.

Only a compromise can avoid a bitter and alienating stalemate.

Ultimatums are a conceit of power issued by those arrogant enough to believe they hold all the cards. Hodel should consider the fate of his predecessor, James Watt, before continuing on his present course.



INTELLIGENCE BRIEFING

Issue: Will the Strategic Defense Initiative benefit the nation?

Pro SDI better than mutually assured destruction

Why are so many Americans willing to jump in bed and cuddle with the Soviet Union?

The issue is whether to continue research and development of President Reagan's ambitious Strategic Defense Initiative.

American acquiescence: An apparent strong and urgent desire to eliminate funding and bargain away aspects of SDI in return for Soviet reductions in their offensive nuclear weapons.

Certain congressmen, political movements and apparently a large segment of the American population advocate this position. By subscribing to this idealistic theory, do these people really believe the threat of nuclear war would miraculously disappear?

SDI, first proposed by Reagan in 1983, is an ambitious research program involving high-technology ballistic missile defenses. Eventually, if all technological needs are met, SDI could provide a multi-layered defense against ballistic missiles. Although SDI would not be 100 percent effective, it would provide more deterrence than our present deterrent, reliance on the policy of mutually-assured-destruction. SDI could be the ultimate deterrent.

The Reagan administration has proposed spending roughly \$26 billion on SDI research over the next five years. Americans should endorse this proposal because of the subsequent result. Disabling, eliminating or bargaining away SDI research would adversely affect world peace, because the Soviets are imperialists.

Critics of SDI, and they are in the majority, have deri-



Jeff Goularte

sively labeled this system "Star Wars." They claim that the technology needed to make such a system work is improbable, that the cost of such a system is prohibitive and that by developing SDI, the United States is taking the arms race to space.

These advocates of unilateral disarmament — and that is their ultimate objective — simply have fallen for Soviet propaganda claiming the Soviets are peace loving and committed to the non-militarization of space.

However, according to U.S. intelligence sources, the Soviet Union has been working on a ballistic missile defense since the 1970s. The Soviets have developed a radar system, positioned around mainland Moscow, which violates the 1972 Anti-Ballistic Missile Treaty signed by both governments.

The Soviets have continued ambitious manned space flights. They have launched numerous satellites pertinent to a space-based system designed to basically do the same

thing our SDI would. In short, the Soviet Union has been quietly developing its own version of SDI. The Soviets could use such a system in an offensive — first-strike — manner.

It's essential that we develop a weapons system that would allow the U.S. to react in a flexible fashion to any future Soviet threat.

The primary responsibility of the U.S. government is to provide for the security of its citizens. Research and development of SDI is critical to the future protection of the free Western democracies. SDI is deterrence.

Theoretically, deterrence of aggression will ensure Western civilization's survival as free and independent nations. SDI, not MAD or arms control negotiations, will enhance the free world's ability to deter omnipresent Soviet transgressions.

Anyone who doesn't realize the ulterior motives of the Soviet Union's foreign policy is ignorant of history and/or suffering from an irrational fear of perishing in a nuclear war.

Nobody wants a nuclear war. But Americans had better realize the Soviet threat is more than a perceived threat. They operate in a closed society and can create destructive weapons without world knowledge.

With that in mind, it's wise to pursue defensive systems that, in the least, could provide the United States with the ability to react flexibly to an imminent Soviet threat to our national security.

Support SDI research. Freedom has no price.

Con Preoccupation with weapons spells doom

Foolish men have always been preoccupied with technology and how they can use it efficiently to slaughter their perceived enemy.

Sayings like "might makes right," or "all's fair in war" have always been their battle cry.

Often this kind of thinking was necessary to survive, humans being what they are. But that type of thinking doesn't hold for today's technology.

The most recent idea of foolish men is the Strategic Defense Initiative.

This type of "defensive" system — which might someday be deployed in space and on earth — would never defend us, could be easily disabled and would actually push us closer to nuclear war.

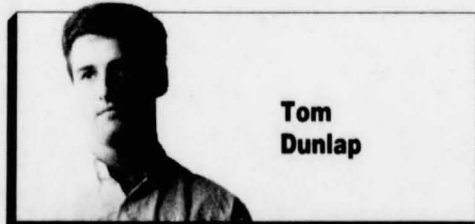
Granted, SDI is still so theoretical that it is hard to weigh its benefits against its problems. But even the concept is seriously flawed.

President Reagan is of course long on rhetoric and short on reality when he rambles on about his beloved SDI.

"Don't bother me with the facts," he probably tells Casper Weinberger.

It is therefore hard to challenge Reagan's vague ideas of what the system would be like because you can't put your finger on the problem and uncover its absurdities. However, how lucky we are to have the articulate Lt. Gen. James Abrahamson as head of the SDI efforts, who is willing to described SDI like this in a Newsweek magazine story:

To cope with a dense swarm of missiles coming from the Soviet Union, he sees a multi-layered defense. The first



Tom Dunlap

layer would detect missiles being fired.

The second layer would consist of laser weapons orbiting over Russia blowing up the projectiles, and huge lasers on U.S. soil firing light beams skyward that would bank off orbiting mirrors and destroy more missiles.

Finally, nonnuclear rockets here on earth would smash into remaining incoming warheads nose to nose, destroying them by impact alone.

William Burrows, a New York University professor, in an article appearing in The Nation suggested where this might end: "American fighting mirrors, laser battle stations, space planes and manned attack platforms will sooner or later co-inhabit the heavens with their Soviet counterparts. Orbiting lasers made in California will be closely followed by space mines made in Yaroslavl."

"It will therefore be deemed imperative to develop weapons that can attack the mines before they attack the las-

ers that are supposed to attack the ICBM's that are launched to attack the cities and the silos . . . The earth itself will have been turned into a gigantic orbiting bomb."

The following are just two reasons why the SDI concept is unworkable and dangerous, as outlined by six Cornell University scientists.

• Despite U.S. reassurances the Soviets perceive SDI as part of a U.S. first-strike strategy, allowing us to launch a preemptive attack and then to destroy the remnant of any surviving Soviet retaliatory forces.

In a time of severe crisis, this may tempt the Soviets to make a preemptive first strike against the U.S.

• "Star Wars," as SDI has been called, does not defend against, or even address, low altitude delivery systems — bombers and cruise missiles. SDI would accelerate development of these weapons.

It is easier to destroy than create is another reason SDI won't work. The Soviets would be able to fatally disable or confuse the Star Wars system, which can never be tested except in a real nuclear war.

We can't dis-invent nuclear bombs, and it is hard to imagine that we will ever trust each other enough to dismantle them.

But trust and understanding are what we should work for. We should scrap SDI and stop the seemingly endless spiral of one-upmanship.

More likely, though, a highly permeable and dangerous SDI system will someday be put in place because of our vain fascination with technology and war.

Forum Page Policy

The forum page offers an opportunity to express views on important issues.

The Spartan Daily encourages readers to write letters to the editor. All letters must bear the writer's name, major, phone number and class level. Phone numbers and anonymous letters will not be printed.

Deliver letters to the Daily office on the second floor of Dwight Bentel Hall, or at the information center in the Student Union.

The Spartan Daily reserves the right to edit letters for libel, length, taste and clarity.

Editorials are the opinions of the Spartan Daily Editorial Board.

Weekly columns and columns appearing on a rotating basis are written by Daily editors and reflect their individual opinions.

Pieces labeled Viewpoint are written by Daily staff writers and are also opinions of the individual.

Daily Delivery



Oscar Guerra

The envelope please?

During the past few weeks, we have been graced with some of the world's most prestigious awards shows, honoring the outstanding performers from the television, film and music industries.

We unfortunate peons, through the good hearts of the network executives, are able to sit back and feel a part of the in-crowd — the "beautiful people."

I have seen with descending interest and increasing sickness bits and pieces of the American Music Awards, the Image Awards, Foreign Film Press Club Awards, Video Music Awards, etcetera, etcetera.

And all these precede the granddaddies of them all, the Academy Awards and the Grammy Awards. I can hardly wait.

I wish the networks would spare my apartment rug, because if I have to hear one more "I want to thank . . ." I'm going to lose my dinner.

I'm not saying that these people are not deserving of the awards they are getting. But the awards seem to lose some of their importance and meaning after about the 10th or 11th show.

I mean, how many times can Janet Jackson or Whitney Houston thank their families and parents without it losing some of its significance, not to mention its entertainment value?

The only part of the shows I cared for was when the performers actually showed their talent.

The shows should at least be split up into two sections, one part entertainment and one part awards — so as soon as the real stuff is over, those of us who want to see something more than Hollywood stars waltzing up and down the aisles in their formal wear or seven ways Diana Ross can try to show her non-cleavage — can.

With that said, here are some "legitimate" awards that go out to local and national figures who really deserve them.

Now, from the expansive and luxurious Spartan Daily complex, I bring you the First Month and Ten Days of the Year Awards, with your host yours truly, who has done absolutely nothing to deserve it.

Best Quote

University police Chief Lew Schatz, when asked about the jaywalking situation on San Carlos Street, said, "Our officers will write tickets when they see jaywalking and they are not responding to a call." This earth-shattering news has obviously gone unnoticed to the thousands of lawbreakers who cross San Carlos Street daily, who Schatz said would be treated as if they went through a red light.

Bravest (and Dumbest) Political Move

Hostage negotiator and death-defying artist Terry Waite gets this plum after going back to try to free American hostages being held in Beirut. Waite virtually assured his fate by acting as the savior for hostages, and he will be long remembered for his heroism.

Most Discriminative Move by Local Public Officials

The San Jose City Council, in their quest to put their own moral values ahead of the rights of local businesses to survive, intend to deny them subsidiary funds to help them get back lost revenues from redevelopment problems. Good try, folks, but expect a legal fight in return for your upturned noses.

Worst Argument

Paula Ray Christiansen, in her column Friday titled "A Handicapped Equality," misses the point when she says that equal opportunity is not equal, arguing that we should go back to natural selection, the survival of the fittest. Well, in the media in 1985, 83 percent of the new hires in the newsroom were white, proving that the fittest ARE surviving — at the expense of the rest.

Oscar Guerra is an associate editor and was not named after the Oscar Award statues.

Letter to the Editor

Ethnic clubs bring people together

Editor,

This is in response to Edwin Stafford's Jan. 29 letter "Meet club dissolves racism." The letter denounces the racial prejudice that is "still alive, kicking and terrorizing in 1987." It's evident that racism is a major problem in our society; witness the recent violent events at Howard Beach, N.Y., and Forsyth County, Ga. But his assertion that ethnic organizations at SJSU contribute to the prejudice problem is a notion that we would like to dispel.

One will always find cliques in any type of social environment — whether at work, in high schools or college campus groups. But the ethnic organizations at SJSU do not promote racial prejudice. In fact, they do quite the opposite. Events such as the Asian Spring Festival and cultural programs sponsored by the Akbayan Filipino-American Club,

Vietnamese Cultural Club, and the Turkish Folklore Club allow others to experience and develop a better understanding of the different cultures.

The function of ethnic clubs is to bring together people of a common interest, as well as people of the same ethnicity. New immigrants and foreign students get involved with these organizations because they aid in the acculturation process. The clubs sponsor programs and take up issues which the university fails to address.

The cliques which Bacio sees are a response by minorities defending themselves against racism. It's not devoted exclusively to the betterment of their respective cultures as he claims. When they unite to fight racism, it is to make this society a true melting pot.

Rowena Alabastro
Psychology
Junior

Engineering graduates grab jobs in their fields

By Rosa Tong
Daily staff writer

Engineering and computer science majors don't worry. Chances of getting a job in your fields after graduation may be rosier than you think.

Gerald Brody, director of Career Planning and Placement said that this year, "more employers will visit SJSU."

SU biennial employment survey of engineering graduates reports that in 1984 all of the 36 respondents majoring in electrical engineering got full-time jobs; 35 of those were related to their majors.

Out of 18 respondents in computer science, 17 were employed in their related fields.

The employment survey is part of the California State University system-wide project which started in 1975. Its purpose is to provide information about employment of recent CSU graduates.

Figures for 1986 have not yet been compiled.

A good job market right now is in research and development, said Daniel Gisi, computer consultant for SJSU's department of mathematics and computer science.

The main reason graduates cannot get jobs is that "they don't know how to find jobs correctly," he said.

Gisi, a SJSU graduate, has been working as a computer consultant since 1984. Before his promotion, he worked as an assistant for the micro-computer lab.

Since many employers require work experience, he said working in the lab is an experience that students can get at school.

Brody also stressed the impor-

'When times are tighter and tougher, employers become more selective.'

— Gerald Brody,
Career Planning
and Placement director

tance of experience.

"Experience is a tremendous plus," said Brody. "The time to do it is during the freshman, sophomore, or junior years. This is the time to test and to see if it's something you really want to do."

Whether the employment market is good, bad, or poor, Brody advised that students will first, need to know what kind of work they want to do; second, what type of organization they want to work for; third, how to construct a resume; and fourth, how to interview effectively.

Students need to identify the various ways to approach employers, Brody said.

"When times are tighter and tougher, employers become more selective. Even though with employers, we'll see fewer offers," he said.

Debi Kipping, a senior majoring in computer science, said recruiters look primarily at grades.

"When (recruiters) come here, all they care about is your grade point

average," she said. "Outside, when you can convince people (of your abilities), then it's barely GPA."

"You have to take control of the situation," she added. "You have to SJSU's engineering graduates do well and are competitive in their fields," said Robert P. Romig, academic dean for the School of Engineering.

"There are more graduates from San Jose State working in the local area than from any university in the nation," Romig said. "We have received feedback on how well students are doing."

Gil Chavez, recruiting officer for Lockheed Missiles and Space Company, Inc., said many students are recruited from SJSU.

"SJSU has historically been a source of our higher number of hires," he said. "All other schools rank lower."

Chavez said that last year Lockheed hired 57 SJSU graduates.

Because the aerospace industry works, generally, with government contracts, employment can be seasonal.

"Students are aware of this, however," Chavez said. "I don't think they are worried about this."

He explained that full-time employment does not mean permanent employment.

Lockheed has a "dynamic workforce," Chavez added.

"Even if we are laying-off in one area, we may be hiring in other areas."

Due to the wide range of jobs in engineering, different companies have different requirements.

gram, they are well-qualified," Romig said.

Ali Nassersaied came to San Jose to pursue graduate studies in industrial engineering.

"I wanted to come to a big city," he said. "On the West Coast, there are a limited number of schools in metropolitan areas."

Nassersaied received a Bachelor of Science degree in civil engineering from Seattle University in 1982.

He could not find a job in his field in the Seattle area. He instead worked in the industrial manufacturing field.

He said that after graduate studies, he hopes to find a better job and make more money.

SJSU engineering survives changes

CAREERS, from page 1

the engineering graduates are transfers from other programs and/or colleges.

A program becomes impacted when the number of applications received during the first month of the filing period, which is Nov. 1 thru Nov. 30, exceeds the number of spaces available.

"If students do well in our pro-

Spartaguide

Traffic and Parking Operations will sponsor "Transportation Day" from 9 a.m. to 1 p.m. today at the Student Union. Call Keith Opalewski at 277-3843 for information.

Sigma Delta Chi, the Society of Professional Journalists will hold meetings at 9:30 a.m. and 4 p.m. today in Dwight Bentel Hall, Room 205. Call Carl Scarbrough at 973-9429 for information.

The Hillel Jewish Student Association will hold a Lunch and Learn meeting at noon today at the Campus Ministry. Rabbi Allan Berkowitz will discuss "Jewish Values and the Modern Man." Lunch will cost \$2. Call Sandra Silver at 294-8311 for information.

Career Planning and Placement will sponsor a co-op orientation at 1:30 p.m. today in the Student Union Guadalupe Room.

Career Planning and Placement will teach techniques for effective interview presentation at 2 p.m. today in the Student Union Costanoan Room.

The Financial Management Association will hold its first meeting at 5 p.m. today in the Student Union Costanoan Room. Call Moreen Atwell at 296-3842 for information.

The Circle K Club will hold its weekly meeting at 6 p.m. tonight in the Student Union Pacheco Room. Call Tom at 296-2350 for information.

PRSSA will have a meeting on fund raising at 6:30 p.m. tonight in the Student Union Costanoan Room. Call Tom McPeck at 926-3186 for information.

The SJSU Karate Club is accepting new members and is holding workouts on Tuesdays and Thursdays from 7 to 9 p.m. at the Spartan Complex, Room 89.

The SJSU Tae Kwon Do Club will offer instruction in martial arts from 7 to 8:30 p.m. Tuesdays and Thursdays in Spartan Complex, Room 75. Call Mr. Choi at 258-9800 for information.

Delta Sigma Pi, the Professional Coed Business Fraternity will present guest speaker Kathy Bousquet. She will talk about entrepreneurship at 7:30 p.m. tonight in the Business Classrooms building, Room 301. Call Anna LeGerfo at 379-8718 for information.

The SJSU Swim Club will have swim hours this semester from 3:30 to 4:30 p.m. in the Spartan Complex, Room 20. Call Mary Lee at 779-4335 for information.

The School of Business Student

Organizations will hold a two-day business fair beginning tomorrow from 9 a.m. to 3 p.m. on the Business Tower walkway. Call Barbara Wong at 289-9443 for information.

Career Planning and Placement and Student Affirmative Action will present a workshop on "Black Professionals and the Job Market" at 12:30 p.m. tomorrow in the Student Union Almaden Room.

The SJSU Sailing Club will hold its first meeting at 7:30 p.m. tomorrow in the Student Union. Call Dan Neumann at 867-7362 for information.

Dateline

Educators clash over retention

Honig battles Deukmejian

WASHINGTON (AP) — Education Secretary William Bennett claims colleges are unproductive because half of all college students drop out.

But educators call his criticisms misleading and inappropriate, and there appear to be no statistics that entirely support Bennett's claim.

"We are concerned about productivity. Almost half the students who enter four-year programs . . . do not complete those four-year programs. We think that's a problem," Bennett told a House Appropriations subcommittee Wednesday.

An incomplete analysis by the department's Office of Educational Research and Improvement indicates that 50 percent to 60 percent of students who started four-year programs in 1980 graduated at the end of four years, with others presumably finishing their degrees later.

Educators like to cite another educational research office study, this one of 1972 high school graduates who entered college immediately and finished. The November 1986 study found that 49 percent finished in four years, but others took as long as 11.5 years to graduate.

"Very often it relates to financial needs. The aid they're getting is simply not enough," said Bob Hochstein, spokesman for the Carnegie Foundation for the Advancement of Teaching. "And with middle-class students, it has to do with having some other enriching experience like traveling or volunteer work."

Terrorists extend deadline

BEIRUT, Lebanon (AP) — Moslem kidnappers said in a midnight statement that they had extended "until further notice" their deadline for killing three American and one Indian hostage.

A handwritten Arabic statement signed by Islamic Jihad for the Liberation of Palestine said the decision was made in response to pleas from the hostages, their families, nationalist Lebanese organizations and the Indian government.

The statement was delivered to the Beirut office of a Western news agency along with a picture of Robert Polhill, one of the hostages.

Hostage Alann Steen had said yesterday that the kidnappers would kill the four at midnight unless Israel freed 400 Arab prisoners.

Steen said Islamic Jihad for the Liberation of Palestine, which holds the four men, would not reconsider the death verdict or extend the deadline.

AIDS cause of Liberace death

INDIO (AP) — Piano superstar Liberace died of AIDS, not heart failure, the Riverside County coroner said yesterday.

"Somebody along the line wanted to pull a fast one on us," Coroner Raymond Carrillo said at an afternoon news conference.

Carrillo said microscopic tissue analysis showed that Liberace died because of cytomegalovirus pneumonia due to human immunodeficiency virus disease, caused by acquired immune deficiency syndrome.

Dr. Ronald Daniels, a Whittier physician who cared for Liberace, had reported the entertainer had died of cardiac arrest due to heart failure brought on by subacute encephalopathy, a brain inflammation.

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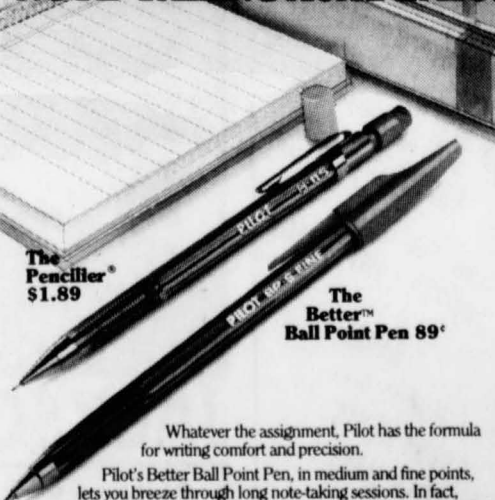
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A Small Message Goes A Long Way

Women gymnasts beat Sac; men lose to No. 4 California

By Stephen Ellison
Daily staff writer

All eyes were on Sheila Hughes-Tsarnas as she prepared for her final performance — the floor exercise — at Friday's gymnastics meet in Spartan Gym.

After all other events were complete, she stood alone in the center of the mat, striking a confident pose, waiting for the music to begin.

Tsarnas had just tied her own school record on the balance beam with a 9.35 and helped the SJSU women dominate Sacramento State on their way to a third straight victory — this one by more than 17 points (170.15 to 152.95).

She concluded her routine on the beam by nailing a back somersault dismount that brought a smile of relief to her face. A smile that would endure throughout the remainder of the competition.

Tsarnas placed first overall in the individual competition after posting a 9.1 on the floor. Her all-around total of 35.75 surpassed the team's high score of the season which she set in a previous meeting against Chico State.

"It went pretty well," Tsarnas said. "I hit all my routines and overall I'm pretty happy."

The entire women's team was happy after scoring season highs on the floor and the uneven bars. The Spartans (3-0) chalked up a 43.0 on the bars, more than two points better than their previous high.

"We dominated Sacramento State on every event," SJSU coach Jackie Walker said. "Sheila had one of the best meets of her career."

The Spartans started off strong and enthusiastic on the vault. Senior Liza Bettencourt won the event with a 9.1, tying a school record, while sophomores Mayumi Nakaji and Lora McDermott tied for second with 8.6.

"Vaulting was a strong event for us again this week," Walker said. "Liza will break that record in the very near future."

On the next event, the uneven bars, the Spartans competed only five gymnasts. McDermott led off the event with 8.65, taking third place. But Tsarnas, the anchor in the lineup, finished with a 9.0 to win the first of

her three individual honors. Nakaji finished second again with 8.8.

Next was the balance beam which Walker described as "shaky." Each of the first four SJSU participants fell at least once which resulted in lower scores. But Tsarnas' record performance, which is tops in the PCAA so far this year, was the highlight of the evening.

The final event was the floor exercise, one of the strengths of this year's Spartan team.

"We had our best floor routines of the season and that was reflected in the scores," Walker said. "Sheila, Mayumi, Lora and Debbie (Berberich) all received their highest scores of the season."

Cal's Steve Mikulak won the men's individual title leading the Bears to a 272.35 to 257.1 victory over the Spartans.

Mikulak won four of the six events compiling a total score of 56.15.

Brian Heery led the Spartans (0-3) with a 54.25 all-around score placing him fourth, and Tom Elardo took sixth overall with 51.15.

Spartans lose to Irvine, UOP

By Mark Foyer
Daily staff writer

SJSU women's basketball coach Tina Krah took a drink of water, placed the cup to her side, and reflected on the Spartans' 76-61 loss to UC-Irvine Saturday afternoon.

The loss, the Spartans' eighth straight, dropped SJSU to 1-10 in PCAA play, 3-16 overall. Irvine now stands at 6-5, 10-11.

"We didn't execute our game plan," Krah said. "Irvine played a tough defense on us. We didn't handle their press very well."

The Spartans stayed close to the Anteaters in the first half trailing 36-30 after 20 minutes of action, but Irvine's full-court press at the start of the second half doomed SJSU.

The Anteaters forced three straight Spartan turnovers, which Irvine quickly converted into six points, giving them a 44-34 lead.

If that wasn't bad enough, the Spartans then went almost five minutes without a score.

Irvine increased the lead to as many as 19 before the Spartans' offense came back to life. But by that time, the game was history.

One bright spot for the Spartans was the play of junior forward Johnnie Thomas. Thomas led all scorers with 21 points, and pulled down 13 rebounds.

"She gave us a big effort today," Krah said. "Most teams know that Johnnie is a key scorer for us. Therefore, their game plan on defense is to collapse inside."

But even Johnson's performance was marred somewhat by some first-half foul trouble. She picked up her third foul with 7:12 left in the first half.

It was then up to Tamara Tighe to pick up the slack. She did, scoring six points in the first half, but she picked up her third foul at the 3:43 mark in the first half.

The final five minutes of the game brought a smile to Krah's face as the Spartans rallied to get close to the Anteaters.

Johnson muscled inside for a couple of bank shots, but the lead was too much for SJSU to overcome.

The Spartans were without the services of Lisa Imahara Saturday, who was excused from the game due to personal reasons.

The Spartans suffered their seventh straight loss on Thursday to Pacific, 68-57 in Stockton. Despite the loss, Krah was pleased with the play of guards Imahara, April Gafford and

Joyce Stewart.

"They showed good chemistry on the court," Krah said.

Stewart led the Spartans with 20 points, followed by Gafford and Teddi Johnson with 12 each.

In her 33 minutes of action, Im-

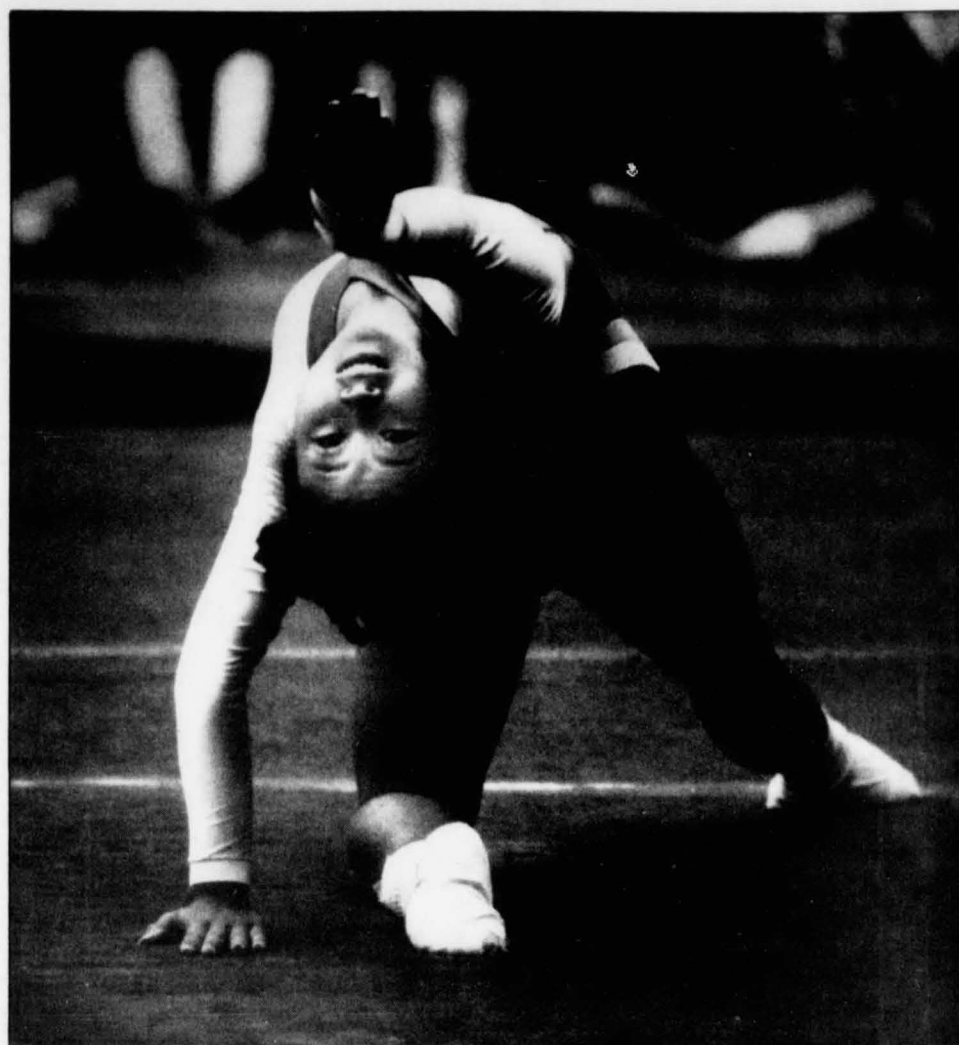
hara dished off four assists and had two steals to go with her three points.

SJSU hosts Hawaii Thursday night at 7:30, then Saturday at 2 p.m. Monday night, the Spartans host league leading Long Beach State at 7:30.



Nancy Nadel — Daily staff photographer

SJSU guard Mary Beth Ledesma is guarded by a UC-Irvine player. The Spartans (1-10, 3-16) lost 76-61 to the Anteaters on Saturday.



Nancy Nadel — Daily staff photographer

Spartan gymnast Mayumi Nakaji, shown here performing in the floor exercise, helped the Spartans defeat Sacramento State 170.15 to 152.95 on Friday night. SJSU's men's team lost 272.35 to 257.1 to Cal.

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Yesterday

Campus

The Interfraternity Council was expected to charge at least one fraternity with violating dry rush at the council meeting yesterday.

Pete Crosier, IFC vice president, made the charges last week at the IFC meeting.

Gabriel Miramontes, Associated Students controller, announced his resignation as of Thursday.

The re-elected controller would "like to become more of a full-time student," he said.

When a board of directors position becomes vacant, the A.S. constitution allows the A.S. president to appoint a replacement with the approval of the board of directors.

No replacement for Miramontes has been found.

Mary Garcia, SJSU residential life service on-campus housing assignment coordinator, said the 20 residence hall students who were overbooked at the beginning of the spring semester have all been accommodated.

The on-campus housing program is now taking requests for applications for the fall semester, Garcia said.

California State University allocations from lottery sales have decreased due to a drop in lottery ticket sales, said Dale Hanner, CSU vice chancellor for business affairs.

The CSU system anticipated \$36 million in lottery funds for the 1986-87 school year, but has not received all the money and funds seem to be declining, Hanner said.

Sports

The SJSU basketball team lost 83-74 to the University of Nevada-Las Vegas Saturday at the Civic Auditorium.

The Spartans are now 11-11 overall and 7-6 in PCAA.

SJSU will play at Utah State next Saturday.

On This Date . . .

. . . in 1949

The recent proposal that San Jose State college be moved to college-owned land near the Spartan Stadium has been termed "interesting but not feasible" by college authorities, according to T. W. MacQuarrie, president.

The present location of the college makes it easily accessible to a larger number of students, remarked Dr. MacQuarrie. If the college were located on the outskirts of town, many students would find it more difficult to get to school.

Dr. MacQuarrie also pointed out that buildings on the San Jose State college campus have a conservative value of approximately \$7,000,000. He estimated that they could not be duplicated for less than \$10,000,000.

. . . in 1964

Tower Hall and Morris Dailey Auditorium have been saved as the result of action taken by the State Board of Trustees and the State Department of Finance.

Last April, Tower Hall, whose building complex accommodated 1,100 full time equivalent students, was declared "unsafe."

To accommodate these students and provide other classroom facilities, the State College Campus Planning, Building and Grounds Committee ruled in favor of purchasing one and one third blocks adjacent to the campus for classroom construction.

. . . in 1984

The SJSU football team may be playing most of next fall's home games in a newly expanded 30,000-seat Spartan Stadium.

The prerequisites for this second expansion in four years, which would include construction of a permanent stage in the north end zone, are the leasing of luxury boxes and the approval of the financial plan by the California State University trustees.

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Home On The Range



His rooms are all full — with records

REDDING (AP) — It's a good thing Maurice and Nancy Huff have two spare bedrooms. Otherwise, where would Huff house his "babies" — Eric Clapton, Peggy Lee, Neil Sedaka, Pat Benatar and Nat King Cole?

After the three Huff offspring were grown and gone, two bedrooms were converted into a hobby room for Huff to record and listen to his 22,000 records, albums, tapes and cassettes.

The room resembles a record

store. Records rest on shelves and racks, neatly organized so Huff can put his fingers on anything he wants within seconds.

Popular tunes of the 1950s are assembled together; female pop stars are grouped; male pop stars are gathered. There are sections for country music, "easy listening," jazz, movie soundtracks and specialty records, including a vast assortment of foreign recordings.

"I like music from everywhere. You name the country and I've got one," Huff said.

Selecting something to listen to might be a marathon decision for anyone else, but Huff lets his disposition be his guide.

One album, by Bert Kaempfert, is always good for a snooze.

"I've had it for 30 years, and I've never listened to the whole thing yet," Huff said.

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Counseling offers help for victims

VIOLENCE, from page 1

among college-educated women, but there is "no evidence that any particular group is more likely to be affected by domestic violence than any other group," said SJSU Director of Counseling Services Kathleen Wall.

About 30 percent of reported cases of domestic violence involve boyfriend/girlfriend relationships, said SJSU Women's Studies Prof. Jane Boyd. Fifty percent of all marriages involve some domestic violence, she said.

"Society glorifies and sexualizes the battering of women . . . there are images in everyday advertising and pornography that suggest that it is exciting and stimulating to batter women," Schaffer said.

The media offers little modeling of men who try to solve problems through empathy, communication and conciliation, she said.

"Women, on the other hand, are socialized from an early age not to see themselves as powerful and are given fewer opportunities to develop a sense of competence in problem solving," Schaffer said.

Annette, a volunteer at the Mid-Penninsula Support Network in Mountain View, agreed.

"The attitude that women should be subservient to men helps men to justify their abusive treatment of women," she said.

Maria, a center service coordinator at The Women's Institute, or Woma, a non-profit center for battered

'Society glorifies and sexualizes the battering of women.'

— Diane Schaffer
assoc. prof. of social work

women, said battered women are caught in a cycle of violence.

Maria, who refused to disclose her last name because of the nature of her work, said the cycle begins with tension building, in which the man is irritable, uncommunicative and short-tempered. He shouts, breaks dishes, throws objects, and then immediately apologizes, Maria said.

A burned dinner or misplaced car keys may lead to verbal or physical explosions in the second phase of violence, she said.

In the third stage — the honeymoon phase — the batterer becomes loving and apologetic for his abusive behavior. As this stage wanes, the tension-building phase begins another cycle.

The longer the situation continues, the more its victims suffer low self-esteem, feelings of powerlessness and fear, Maria said.

Woma, the Mid-Penninsula Support Network, and the SJSU Counseling Center offer specialized crisis counseling and support services to victims of domestic violence.

Forensics champs show their awards

DEBATE, from page 1

Other members of the qualifying teams are David Lawrence, Bialy's partner; Ed Guernika, Holling's partner and Kim Nelson and Marejka Behman, who make up the third team, Lema said.

The National Debate Tournaments will be held in Fairfax, Va. March 13, 14 and 15, Worthington said.

SJSU also has had a strong showing in individual events this term. Two SJSU forensics club members have already qualified for the National Individual Event Tournaments, Lema said. They are Suli McCullough, who qualified in the

category of "Speeches to Entertain," and Jeff Draper, who qualified in "Prose Interpretation."

To qualify for the nationals, individual event speakers must be in the top four or five finalists at three different tournaments per year, she said.

More people could still qualify for nationals, because the term will last until April, Lema said. Three team members are two thirds of the way toward qualifying. Lema said that she expects even more team members to qualify by April.

A debate will be held on campus on April 8 at Morris Dailey Auditorium on the topic of "Failures of

Religious Fundamentalism." This debate will involve team members and anybody else who cares to participate, Lema said.

"Anyone can show up and speak (as long as they are recognized by the chairman). It's a good chance for the student body to get involved," Lema said. "It's also a good time for students to see what we do, since so much of our activities are off-campus."

The trophies will be on display in Room 108 of Hugh Gillis Hall until the end of the semester, when they will be returned to their rightful owners.

Business ramp too slick for rainy weather

RAMP, from page 1

tion of Seventh and San Carlos streets also present a danger to the mobility-impaired, Gabriel said. He has crashed more than once as he crossed the street.

"I fully support SJSU President Gail Fullerton in her effort to close San Carlos Street," Gabriel said.

Other projects to improve accessibility on campus are the construction of an elevator in Wahlquist Library South and installation of electric doors.

Organ concert held tonight

ORGAN, from page 1

professorship in the Music Department, Mrs. Simpson said.

The organ went into storage in 1978, three years after Simpson's death. Simi, a former student of Simpson's, decided to take matters in his own hands, she said.

Since the number of students enrolled in the organ program was back to three after Simpson's death, Simi returned to give something back into the program he got so much out of, she said.

In the summer of 1986, Simi, a

church organist, along with his father Ernest Simi, his friend Peter Schukal, and Richard Stenger, an organ consultant, spent more than 4,000 hours installing, reassembling and tuning the organ, Mrs. Simpson said.

"The final pipe work is being completed. That includes spectral tuning and some final key adjusting," Simi said.

The concert will start at 8:15 p.m. and donations of \$5 for general admission and \$3 for students will be used for future recitals and additions to the organ.

AEROBICS

+ Dance Aerobics

Sect	Dates	Day	Time	Location	Cost	Sign-Up Deadline
1	Feb 10-March 19	Tu	4:30-5:30 PM	SPA 7C	\$21.24	Ongoing
2	March 24-May 7	Tu	4:30-5:30 PM	SPA 7C	\$21.24	Ongoing

Sect	Dates	Day	Time	Location	Cost	Sign-Up Deadline
1A	Feb 9-March 18	M-W	5:30-6:30 PM	TEA	\$21.24	Ongoing
1B	Feb 10-March 19	Tu	5:30-6:30 PM	TEA	\$21.24	Ongoing
2A	March 24-May 7	M-W	5:30-6:30 PM	TEA	\$21.24	Ongoing
2B	March 24-May 7	Tu	5:30-6:30 PM	TEA	\$21.24	Ongoing

No classes held April 13-April 16.

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