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Daily Nexus

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Wednesday, October 14, 1987

University of California, Santa Barbara

One Section, 16 Pages

I.V. Foot Patrol To be Casualty if Measure Q Becomes Law

By Chris Ziegler
Reporter

If voters approve Measure Q (a proposal to incorporate Isla Vista and Goleta into one city) in the Nov. 3 election, community members can expect numerous organizational changes in the handling of civil services.

Elections '87

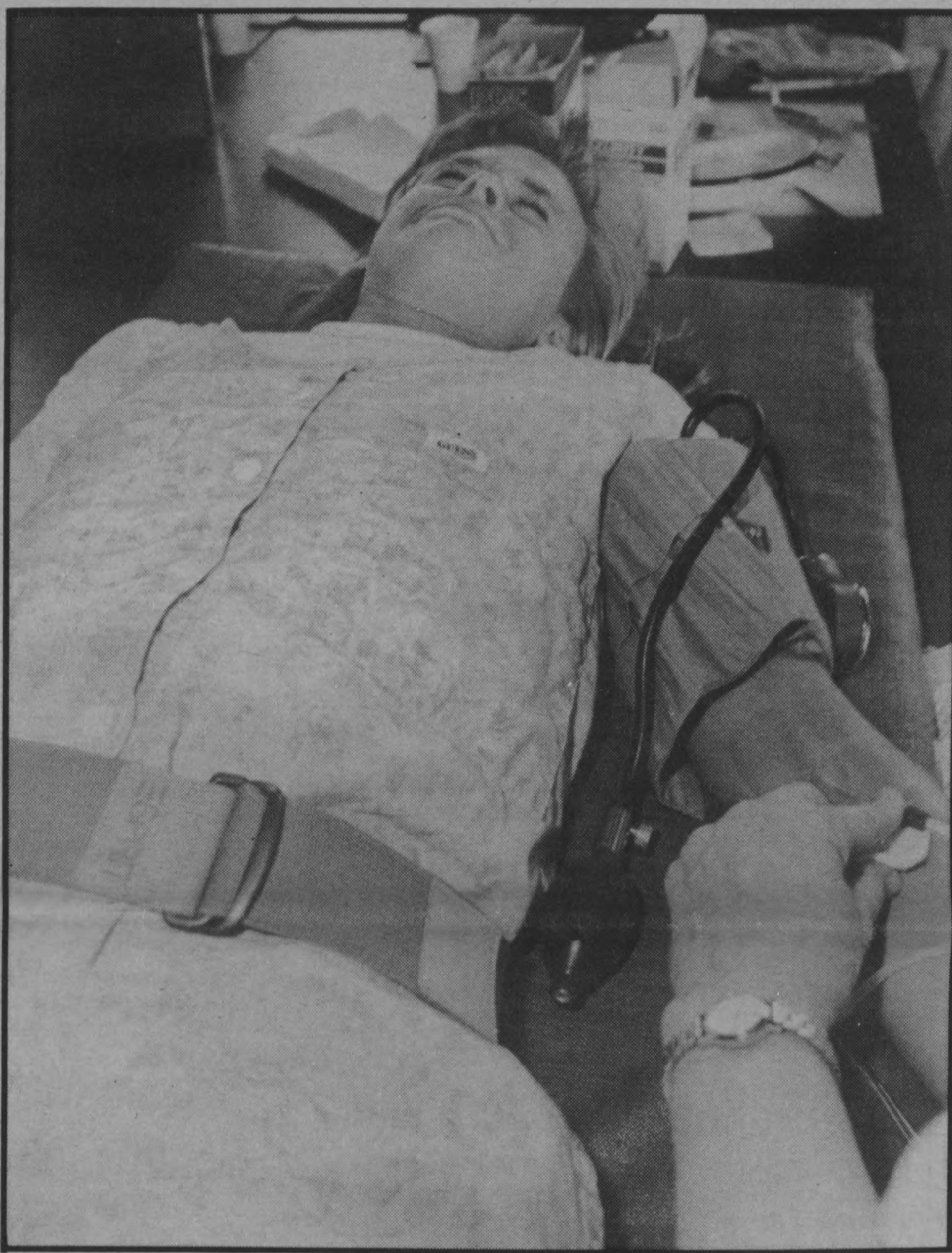
There are approximately 44,800 registered voters within the boundaries of the proposed city who will have the opportunity to vote on Measure Q in the upcoming election, according to Santa Barbara County Clerk Ken Pettit.

UCSB officials have said that if voters approve Measure Q, the university would immediately discontinue its partial funding for the Isla Vista Foot Patrol, which needs university support to remain in operation, according to a final environmental impact report written for the county by Angus McDonald and Associates. As a result, Santa Barbara County would probably abolish the Foot Patrol, the report states.

"We would remove our Foot Patrol support regardless of whether it was Isla Vista incorporation, Goleta incorporation, or annexation," UCSB Assistant Chancellor for Planning and Analysis Richard Jensen explained.

Such a dilution of police service could be detrimental to the community's protection, according to the EIR. "The loss of UCSB's portion of the Isla Vista Foot Patrol could affect the new city's

(See CITYHOOD, p.5)



GOUTAM MITRA/Daily Nexus

MARK STUCKY/Daily Nexus



GRIN AND BEAR IT — UCSB student Karen Young (above) grimaces as a needle for drawing blood is inserted into her arm.

But, Trisha Ochoa (left) has no problem as she anxiously awaits the needle. Tuesday's blood drive was sponsored by the A.S. Community Affairs Board.

I.V. Halloween Concerns Aired Residents Brace for Out-of-town Guests

By Penny Schulte
Reporter

Increased police presence, the installation of portable toilets and information booths, and the establishment of "safety houses" are among measures proposed by community members to help control the expected 50,000 people descending on Isla Vista for the Halloween weekend.

At a UCSB Major Events Planning Committee meeting Monday night, approximately 30 local community members voiced their concern about the upcoming holiday and discussed various measures that could help alleviate the recurrence of problems exhibited during last year's Halloween, which drew an estimated 30,000 people.

As additional provisions, meeting attendees also considered the presence of RED Alert members and the installment of additional street lights on Del Playa.

Through such actions, the MEPC hopes to attain its goal of fostering community relations and of discouraging outsiders from coming to Isla Vista this Halloween, according to UCSB Dean of Students Leslie Lawson. "We don't mind that brothers and sisters come out, but a friend of a friend is going to rip someone off," Lawson said.

To dissuade out-of-towners from coming here on Halloween, the MEPC is educating the community through the use of fliers and personal interaction. "We've been talking to high school principals, the PTA, and residents on Del Playa and Sabado Tarde streets to inform them of the changes that will occur on Halloween," Lawson explained.

In addition to safety measures, the meeting's discussion also focused on how to deal with the expected traffic dilemma.

Because the crowded I.V. traffic conditions during last year's Halloween delayed emergency vehicles' responses up to five minutes, this year the entrances to I.V. will be blocked off when the legal parking areas are full, according to UCSB Police Lt. Robert Hart.

It could be as early as Friday night, Oct. 30, when all legal parking is filled, but until the CHP receives some indication from the residents (that parking is filled) no roads will be closed, Lawson explained.

Extra parking will be available on campus, according to Lawson. "We're hoping I.V. residents will be able to use the estimated 1,000 available spaces, most of them on the northwest side of campus off of the periphery roads," said Mari Tyrrell-Simpson, a

(See MEETING, p.7)

Apartheid/Racism Presented as World Issues at Rally

By Tonya Graham
Features Editor

If the struggle to end South African apartheid is to succeed, Americans must become conscious of apartheid in their own country and must work to change the attitudes that allow the racially discriminatory system to continue, speakers told students at a rally Tuesday.

"This is a struggle for the world, it's not only in South Africa," South African Black Consciousness Movement member Jim Nguveni told more than 150 students at a Storke Plaza rally yesterday. "It's a universal struggle against racism ... a struggle that emanates from people desiring to have human dignity," Nguveni emphasized.

Despite a recent lack of media attention, the fight to end the South African governmental system, in which four million whites control 25 million blacks, is still going on, Nguveni said. "If you remove the television, you don't stop the struggle, you just stop the news," he said.

The University of California Board of Regents voted in 1986 to divest UC funds from corporations doing business in South Africa, but as of yet no divestment has occurred, Nguveni charged. "If you hear the UC system has divested, it's a lie," he said.

Though some of the corporations targeted for divestment have since pulled out of South Africa, others that say they have divested and are still operating in much the same fashion, but under the ownership of South African subsidiaries, Nguveni explained.

Members of the 18-year-old Black Consciousness Movement now believe "that the struggle can only be resolved by South Africans," Nguveni continued. The focus for improvement must be on the working class, through actions such as the recent mineworkers strike, he explained.

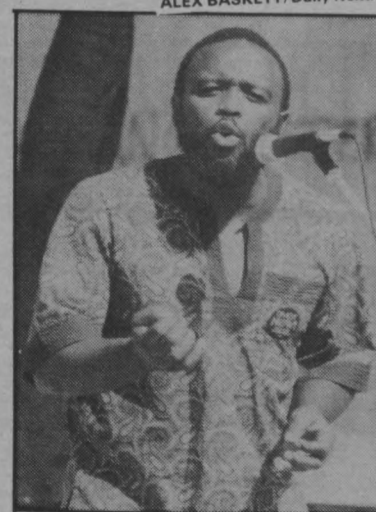
Because of the country's rich deposits of gold and important minerals, the mining industry makes up a large part of the South African economy. Nguveni believes the white soldiers in South Africa "are there to maintain cheap labor for the corporations," which are owned primarily by the United States, Britain, France and Germany. It is these corporations keeping the South African government in power, according to Nguveni.

"My father worked in the mines for 22 years, earning nine cents an hour and raising 10 children. Would you tell me what happened to the rest of that money?" Nguveni asked.

The Black Consciousness Movement has also launched a political education campaign to reach out to rural areas, so that not only those children living in the cities receive education. "The most repressed are those never in the schools," Nguveni said. By arousing social and political consciousness among blacks, this attitude can hopefully extend beyond the South African borders into other areas of the world, he predicted.

"We're talking about the consciousness of every people on earth," he said amidst applause. "If people are conscious, we can destroy racism."

Nguveni remains confident that eventually victory will be achieved by the South African blacks, but the success of the revolution will depend



African Black Consciousness Movement member Jim Nguveni tells students that UC divestment from South Africa is a lie.

ALEX BASKETT/Daily Nexus

World

Iranian Missile Hits Baghdad School Killing 32; Injuring 218

BAGHDAD, Iraq — A missile fired from Iran exploded at an elementary school Tuesday morning as pupils piled into the building for classes, killing 32 people and wounding 218, nearly all of them children, officials said.

Shrapnel, shattered concrete and shards of glass flew through the playground of the Monument of Martyrs school, witnesses said. Textbooks and schoolbags lay strewn about.

The force of the explosion blew down parts of the building, Principal Ismael Gwetan Jassim said, but "Thank God it didn't hit the classrooms complex itself or casualties would have been much higher."

Neighbors said 12 members of one family were killed in the house on which the missile made a direct hit. Baghdad radio said the missile destroyed 16 other buildings in the heavily populated area when it struck just five minutes before the school bell, but only three of those killed were adults. All but 22 of the wounded were children, the radio said.

It was the fourth Iranian missile to strike the Iraq capital since Oct. 4, the first to cause major casualties. It spurred fears of a new round of the War of the Cities that killed thousands of people on both sides in its seven years of existence.



Soviet Leader Gorbachev Urges Party Workers to Back Reforms

MOSCOW — Soviet leader Mikhail S. Gorbachev urged Soviet communist Party workers on Tuesday to enthusiastically support his reform policies or get out of the way of those who do.

Speaking to party workers at the Smolny Institute in Leningrad, which was Lenin's headquarters during the Bolshevik revolution, Gorbachev also said that despite some excesses more openness and freer criticism was essential. His 90-minute, nationally televised speech was dedicated almost entirely to domestic policy and appeared to contain no significantly new material.

Gorbachev said the Communist Party does not want workers who do not want to work with people. Gorbachev said his reforms started with the party itself. "It is perfecting forms and methods of its work, democratism, openness, criticism and self-criticism are being asserted in the life of party organizations, an atmosphere of interested participation of communists in handling urgent tasks is being created."

Costa Rican Leader Wins Nobel Prize for Central American Plan

OSLO, Norway — President Oscar Arias of Costa Rica won the Nobel Peace Prize on Tuesday for a Central American peace plan he fashioned and persuaded the region's other leaders to adopt.

Selection of Arias was a surprise, and unusual because the choice was based at least partially on accomplishments after nominations closed Feb. 1. There were 93 candidates, including 15 organizations.

President Reagan, who has called the Arias plan "fatally flawed," said Tuesday: "President Arias fully deserves the peace prize for having started the Central American region on the road to peace."

The Central American peace plan is intended to end guerrilla wars in Nicaragua, El Salvador and Guatemala. It requires cease-fires, amnesties and measures bringing greater democracy to be arranged by Nov. 7, when each nation is to report on its progress. Arias has not permitted Contras to operate from Costa Rica, which is Nicaragua's southern neighbor and has no army. He proposed the peace plan after taking office in May 1986, but needed another 15 months to overcome objections, mainly from the Sandinistas in Nicaragua.

Nation

Amtrak Train Derails, Crashes Into Crane Laying New Track

RUSSELL, Iowa — Amtrak's California Zephyr slammed into a railroad crane laying new track Monday, knocking both locomotives and 11 cars of the passenger train off the tracks and injuring at least 115 people, officials said.

Amtrak spokeswoman Debbie Marciniak said the railroad's 16-car No. 6 train was headed east toward Chicago shortly after 11:30 a.m. when it hit a crane being used by Burlington Northern, which operates the tracks across southern Iowa.

A preliminary investigation determined that a work crew moved the crane and another car onto the railroad siding to allow the Amtrak train to pass, but an improperly aligned switch put the train on the siding, causing the collision, a spokesman for Burlington Northern said.

At least 112 people were taken to the Lucas County Memorial Hospital in nearby Chariton, said hospital spokeswoman Barbara Riggs, while three of the most seriously hurt, including two railroad workers, were flown by helicopter to hospitals in Des Moines.



Joint Chiefs Chairman Claims Military Cut Out of Arms Sales

WASHINGTON — The Reagan administration bypassed normal Pentagon channels when it decided to sell weapons to Iran and failed to get the military's assessment on the impact of those sales on the Iran-Iraq war, the nation's top uniformed officer has told Congress.

Adm. William J. Crowe Jr., chairman of the Joint Chiefs of Staff, said he did not learn about the arms sales until at least five months after President Reagan approved them in January 1986.

When he eventually asked Defense Secretary Caspar Weinberger about the sales, Crowe said, Weinberger replied that "it was his understanding that a conscious decision had been made that it was not a military matter, so it was not necessary to bring in the military." The weapons were transferred from Defense Department stocks to the CIA, which helped get them to Iran.

Crowe said he had concerns about military personnel willing to provide advice in order to keep a covert action restricted to a closed circle of people. He said those officials represented themselves as defense experts but "didn't have the means" to give solid or complete advice.

Reagan Sounds Defiant Note on Next Supreme Court Judge

WHIPPANY, N.J. — A defiant President Reagan declared Tuesday that if Supreme Court nominee Robert H. Bork is defeated in the Senate, as expected, he'll try to find a new nominee "that they'll object to just as much."

Earlier in the day, in a speech in Somerset, Reagan accused Bork opponents of "distortions and innuendoes" but dropped harsher wording that had been included in an earlier version of the speech. He didn't even mention Bork in the formal remarks he delivered in Whippany to the New Jersey Republican State Central Committee.

He told the audience that Bork would stay in the fight even though "we know the odds are against him. What's at issue here is not one man and what happened to him. What's at issue is that we make sure that the process of appointing and confirming judges never again is turned into such a political joke."

In remarks on the Senate floor, Byrd scolded the Reagan administration for not listening to Democratic advice that Bork would be controversial, saying Reagan "could have saved Judge Bork ... a traumatic experience."

"It's important that the administration listen to the counsel of some of the people in this body before it sends up another nominee," Byrd said.

State

Woman Allegedly Found With Syringe: Albertson's Reopens

GLENDALE — Albertson's reopened a supermarket here Tuesday, nearly a day after a woman carrying an open soft drink bottle and a syringe was arrested for investigation of food tampering.

Sgt. Dwayne Bruce of the Glendale Police Department said Catherine Elizabeth Davis, 41, of Glendale was arrested around 4 p.m. after the shopper, whose name was not revealed, notified store employees, who called police. Bail for Ms. Davis was set at \$5,000.

"As a precaution, we have removed everything from that aisle and replaced it," said Gary Michael, vice chairman of Albertson's board of directors in Boise, Idaho.

"The preliminary analysis of the residue from within the syringe indicates no toxic substance present, said Glendale Police Department spokesman Christopher Loop. He said there was minimal amount of residue in the syringe, so tests were unable to determine more than the substance's non-toxicity.

"Even if it were uncontaminated distilled water, it would still constitute tampering because it violates the integrity of the product," Loop said.

The district attorney won't consider charges until the tests are completed, he said.



Unidentified Motorist Randomly Shoots Pedestrians at Capitol

SACRAMENTO — An unidentified motorist opened fire Tuesday at a busy downtown intersection, killing one man and wounding another in what police described as an apparently unprovoked, random shooting.

The gunman poked a rifle out a window of his light-colored car while stopped for a light at 8th and J streets, four blocks from the state Capitol, and fired at least three shots at a group of pedestrians starting into a crosswalk, according to Sgt. Bob Burns.

The elderly man who was killed has not been identified, Burns said. The injured man suffered a minor neck wound and was being treated at University Medical Center.

Kevin Brown, a 20-year-old sales clerk said, "It was pretty wild. There were people behind them (the victims) waiting to cross the street. They just scattered ... People were just running around trying to get out of the way."

The suspect was described by witnesses as a white male in his 30s with long brown hair and a beard, police said. Brown said the gunman appeared to be alone in the car.

Ragged McMartin Informant Returns to the Witness Stand

LOS ANGELES — A jailhouse informant, unwashed, unshaven and apparently unhappy about his appearance, returned to the witness stand Tuesday to be grilled about an alleged confession in the McMartin Pre-School molestation trial.

Freeman, 45, an admitted perjurer with a grant of immunity to ensure his testimony, was captured by sheriff's deputies Friday after he missed two scheduled court sessions. Freeman became a key witness for the prosecution when he testified two weeks ago that defendant Raymond Buckey, in a jail cell conversation, admitted to molesting children at the Manhattan Beach pre-school founded by his grandmother.

Before his return to the McMartin trial Tuesday morning, Superior Court Judge David Horowitz upheld Freeman's \$1-million bail and granted his request for a shower, shave and change of clothes before he took the stand. His lawyer said he had not showered in five days.

But Superior Court Judge William Pounders, presiding at the McMartin trial, angrily refused to delay matters any further and said he had little sympathy for Freeman's concern over appearance — reported to him by the prosecution, led by Deputy District Attorney Lael Rubin.

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Weather

WEDNESDAY

Should be pretty much the same today: morning greyness with some afternoon sun. High 76, low 54. Sunrise at 7:04 a.m., sunset at 6:27 p.m. Moonrise at 12:10 p.m.

THURSDAY

Again, the same weather today. High at 74, low at 54. Sunrise at 7:04 a.m., sunset at 6:27 p.m. The moon'll show up around midnight.

TIDES

Oct.	Hightide	Lowtide
14	7:53 a.m. 3.7	10:10 a.m. 3.6
14	3:44 p.m. 4.3	
15	7:51 a.m. 3.9	12:05 a.m. 0.7
15	5:24 p.m. 4.3	12:15 p.m. 3.3

Supervisor Opposes Incorporation

Tom Rogers Refuses Support for Measure Q

Santa Barbara County Supervisor Tom Rogers will no longer support the Goleta/Isla Vista cityhood proposal — Measure Q — due to his constituents'

in the unincorporated area east of Patterson Avenue, was not supportive of the incorporation proposal," Rogers explained.

Rogers said he began to hear criticism of Measure Q during his campaign for the supervisor seat last year and has heard increased opposition from his constituents as this year's election draws near.

"I must stand up and say that, based on my district, and their priorities, their desires, that they not be included in the incorporation proposal," Rogers said. "The only way to do that right now is to take a stand against Measure Q, and that is a difficult stand."

Goleta Valley should have local control, but issues such as water resources, traffic management, campaign reform and road funding are more important and pressing than Measure Q, Rogers explained.

In opposing incorporation, "(I am) including a pledge on my part to work in the future for a proposal that will bring the benefits of local control and cost-cutting in county government services, and improve services to the Goleta Valley," he continued.

Although Rogers has voiced his opposition to the incorporation measure, he will not become involved with Goletans Against In-

corporation Now or other anti-Measure Q organizations, he said.

Rogers represents the second district of Santa Barbara County and is currently the only supervisor to publicly oppose Measure Q. First District Supervisor David Yager, Fourth District Supervisor DeWayne Holmdahl and Fifth District Supervisor Toru Miyoshi have made no statement for or against the measure as yet. Third District Supervisor Bill Wallace, who represents Isla Vista and much of Goleta, supports incorporation.

— Chris Ziegler

Elections '87

growing criticism of the Nov. 3 ballot measure.

Although Rogers favored incorporation when it came before the Local Agency Formation Commission and the Board of Supervisors last year, pressure from voters in eastern Goleta forced him to alter his stand, he said at a Monday press conference.

"It was made increasingly clear to me that my district,

RALLY

(Continued from p.1)

largely upon the consciousness of the American people. "We are aware that we are going to be free. It doesn't matter how long it takes — we are saying we will fight," he said.

"But, our struggle will not be fruitful if the American people remain unconscious," Nguveni warned. "When we win, there will be *contras* in South Africa (as in Nicaragua) if the American people don't stop it."

Nguveni then called upon the students and faculty of UCSB to join in a national drive to collect keys to present to the South African government as a symbolic gesture expressing a desire to see the country's 30,000 black prisoners freed. "Give the key to Jaime (Acton, the Student Lobby Annex director), and say 'I want to unlock the prisons in South Africa,'" Nguveni urged.

More than 3,000 of the prisoners being held are children between the ages of five and 13. "(Freeing these children) is an important aspect of our struggle, because it is in the children that our future is real," Nguveni explained.

The keys are also meant to serve as a reminder to each person of his or her commitment to fight racism in America as a means of helping end the struggle in South Africa, Nguveni added.

Next, David Coleman, a graduate student in confluent education, addressed the issue of racism in society, particularly at UCSB. "Racism isn't just in Forsythe County or Howard Beach," he said. "The signs are all over."

Another instance of racism, according to Coleman, can be seen in UC admission standards. He believes these standards are unfair to minorities because they are "culturally biased" in favor of the white middle class. Coleman would like to see more done in terms of minority recruitment and retention at UCSB, as well as in the institution of a UC-wide ethnic and gender studies general education requirement.

Held in honor of International Anti-apartheid Day, yesterday's rally was sponsored by Associated Students Student Lobby, Concerned Students Against Racism and the United Front Coalition.



SCUBA AT UCSB

SCUBA CLUB: General Meeting Wed. 10/14

Girvetz 1004, 7:00 pm

DIVE RESCUE: Sat/Sun, 10/17-10/18,

Organizational Meeting after the Scuba Club Meeting on 10/14

Girvetz 1004, 7:00 pm or Call

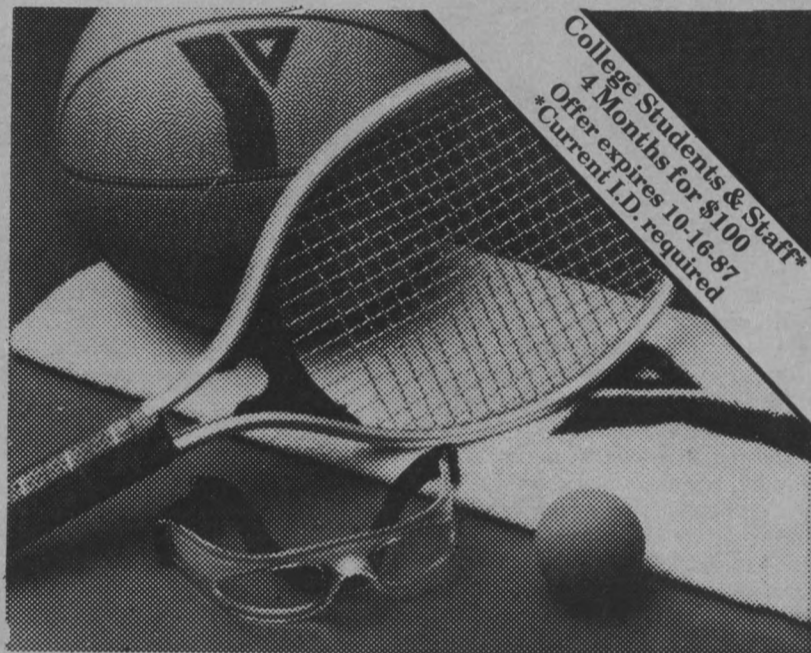
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Getting Into Shape Isn't All Work And Pain

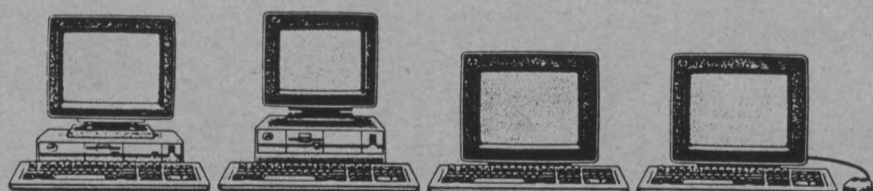
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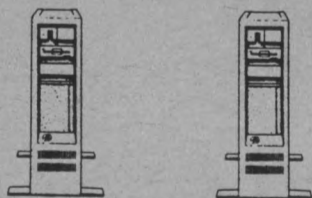
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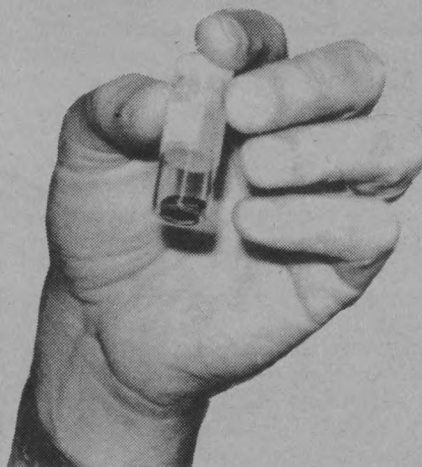
You never forget your first Girl.



By Ben Sullivan
Campus Editor

Superconductors

New Materials Could Change The Technology of Tomorrow



UCSB chemistry Professor Galen Stucky holds a vial containing a wafer of superconducting material manufactured in the UCSB chemistry department.

Discovered In 1911

Although only recently gaining widespread attention, superconducting is by no means a new discovery. In 1911, Dutch physicist Heike Onnes observed that, when cooled to very low temperatures, certain substances conducted electricity 100 percent efficiently, hence their name, superconductors.

"There could be a host of new opportunities that we cannot even imagine today."

— Carl Rosner

In a normal electrical conductor, such as copper, electrons travel individually through a wire and must overcome the inherent resistance of the conducting material. Inevitably, some energy is lost in the process.

In a lightbulb, for example, in addition to light, heat is produced from the electrical resistance of the bulb's filament. Similar resistance in electrical transmission lines

costs utility customers millions of dollars each year in lost electricity.

"In the usual metal, which is not a superconductor, electrons travel pretty much independently. They get bumped and knocked around by impurities ... and thermal vibrations (of the conducting material's atoms)," Nobel laureate Robert Schrieffer explained.

Schrieffer, who directs the UCSB Institute for Theoretical Physics, shared the 1972 Nobel Prize for physics with John Bardeen and Leon Cooper for the theory they developed explaining superconducting.

In a superconductor, electrons "link up" and travel through the conducting material in something akin to an electron molecule, Schrieffer said. The electrons are like "a group of marathoners. It's like all marathoners link arms. If one runner trips, he's picked up by the other 10,000 runners," he said.

In this way, the electrons overcome any resistance in the conducting material, Schrieffer explained.

However, in traditional niobium-titanium superconductors (See SUPER, p.16)

When University of Houston physicist Paul Chu announced last February that he had discovered a material capable of superconducting at -290 degrees Fahrenheit, more than a few heads in the science community turned.

Chu's breakthrough in superconducting established a realization by scientists, politicians and leaders of industry throughout the world that this once-obscure branch of solid-state physics might actually hold the key to Earth's electrical future.

UCSB condensed-matter theorist Douglas Scalapino described the effect Chu's find had on a fellow scientist: "He was at a stage where he felt nothing could really excite him except possibly a spacecraft landing in his backyard. But, after reading what Chu had done, he decided he was wrong!"

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CITYHOOD

(Continued from p.1)

ability to provide adequate police protection for its residents, particularly in Isla Vista and potentially throughout Goleta if police protection resources would have to be diverted from this area to Isla Vista," the EIR states.

Additionally, if Measure Q passes, the new city would not form its own police department. Instead, police service would be contracted from the county, Jensen said. He explained that this is a common practice for incorporated cities.

Another organization contemplating the possible ramifications of Measure Q is the Isla Vista Recreation and Parks District. Some members of the IVRPD oppose the measure because they believe the organization would subsequently be dissolved if it were to pass.

Currently, there are two park districts within the boundaries of the proposed city. The new city council would probably view this as a conflict and thus combine the two districts, IVRPD General Manager Glenn Lazof explained. "We would be in trouble after two or three years," Lazof said.

However, proponents argue that such a decision would not be the council's. "They couldn't (dismantle the IVRPD). It would

require a vote by the population of Isla Vista," Santa Barbara County Supervisor Bill Wallace said.

Opponents of the measure also argue that its passage could stifle the possibility of future rent control, which is desired by many students who live in the Isla Vista area.

"Rent control is very important in a city with a population that is 96 percent tenants," said Associated Students President Curtis Robinson, who supports rent control and opposes Measure Q. "Why should the people of Goleta, which obviously has completely different needs than the students of Isla Vista, tell us what to do?" Robinson asked.

"(Rent control is not) going to be possible under the proposed city," Jensen acknowledged. "And, to suggest that rent control is a sufficient reason to incorporate an area is probably a little naive," he added.

However, not all Measure Q opponents support rent control. "I don't think there is any issue that polarizes a community, that drains its resources and goodwill more than rent control," said Charles Eckert III, a member of Goletans Against Incorporation Now. "If we were to have it here, I think it would be disastrous for

this shotgun city. We would be fighting over it constantly at every election," Eckert said.

Although A.S. opposes incorporation, UCSB has announced its support for Measure Q. This has led some of the measure's opponents to believe Chancellor Barbara Uehling has "surrounded" herself with pro-incorporation advisers, according to Lazof, who said the chancellor neglected to consult I.V. officials such as the Isla Vista Community Council before making her decision.

Lazof charges that Uehling failed to study both sides of the measure before making her decision. "I don't feel the university has played fair with us, and my basis is simply that the university has always opposed Isla Vista cityhood, and has always supported Santa Barbara annexation or Goleta cityhood," Lazof said.

"I personally feel that I have heard both sides of the issue," Uehling said. "I have been out in the community and talking to people."

Uehling further added that the UC Board of Regents had established the university's position on incorporation before she became chancellor, a point Jensen also made.

"The university's position on (Measure) Q was taken long before the chancellor came here. She works for the (University of California Board of Regents) just like

everyone else," Jensen said.

City council representation for the proposed city will be determined by Measure S, which, if approved, would establish a district-based method of councilmember selection. If defeated, representation would be on an at-large basis.

If voters choose to be represented by districts, Isla Vista would be divided roughly in half. Residents living west of Camino del Sur would belong to District 2 and the rest of I.V. and UCSB would be part of District 3, according to the proposal. The city's mayor would be elected at-large.

No argument against Measure S was submitted to the ballot's description of measures, which may suggest that the majority of county residents favor the opportunity to decide.

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 David Byrne, the quirky genius of the Talking Heads, makes his directorial debut with this charming film. It is a tribute to Virgil, Texas, a fictional town whose characters are based on sensational tabloid stories. Starring Byrne, Spalding Gray and Swosie Kurtz.
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<p>ARLINGTON 1317 State St., S.B. 969-9382</p> <p>BORN IN EAST LA. 7:15, Sun 3:30 & 7:15, Thur 5:15 DRAGNET (R) 9:00, Sun 1:30, 5:15, & 9, Thur 7:00 Thur Late Show 9 pm (separate admission required) Fri & Sat "Gallagher"</p> <p>GRANADA 1216 State St., S.B. 963-1871</p> <p>1. BEST SELLER (R) 5:30, 8, 10:25, Sat & Sun also 12:30, 3 2. FATAL ATTRACTION (R) 5, 7:25, 10:05, Sat & Sun also 12, 2:30 3. LIKE FATHER, LIKE SON (PG13) 5:40, 8, 10:10, Sat & Sun also 1:10, 3:20</p> <p>CINEMA 6060 Hollister Ave., Goleta 967-9447</p> <p>1. THREE O'CLOCK HIGH (PG13) 6, 8, 9:45, Sat & Sun also 12:45, 2:30, 4:15 2. FATAL ATTRACTION (R) 5:15, 7:45, 10, Sat & Sun also 12:45, 3</p>	<p>GOLETA 320 S. Kellogg Ave., Goleta 683-2266</p> <p>MAN ON FIRE (R) 7:30, 9:30, Sat & Sun 1:45, 3:35, 5:25</p> <p>FIESTA FOUR 916 State St., S.B. 963-0781</p> <p>1. NO WAY OUT 7:30, Sat & Sun also 3:05 THE PRINCIPAL (R) 5:15, 9:45, Sat & Sun also 1:00 2. SOMEONE TO WATCH OVER ME (R) 5:30, 7:45, 10, Sat & Sun also 1, 3:15 3. PICKUP ARTIST (PG13) 6, 8, 10, Sat & Sun also 2, 4 4. PRINCESS BRIDE (PG) 5:30, 7:30, 9:30, Sat & Sun also 1:30, 3:30 Friday night at midnight "Rocky Horror"</p> <p>RIVIERA 2044 Alameda Padre Serra, S.B. 965-6188</p> <p>MATEWAN (PG13) 6:45, 9:10, Sat & Sun also 1:50, 4:10</p>	<p>MISSION 618 State St., S.B. 962-8618</p> <p>LAMBERTO QUINTERO 6:30, 10, Sat & Dom 3:10 tambien CAMINO AL INFIERNO 8:15, Sat & Dom 1:30, 4:50 tambien</p> <p>FAIRVIEW 251 N. Fairview, Goleta 967-0744</p> <p>1. NEAR DARK (R) 7:45, 9:45, Sat & Sun also 1:45, 3:45, 5:45 2. BIG SHOTS 7:30, Sat & Sun also 3:15 DIRTY DANCING (PG13) 9:30, Sat & Sun also 1:15, 5:15</p> <p>PLAZA DE ORO 349 Hitchcock Way, S.B. 962-4838</p> <p>1. WOLF AT THE DOOR 5:30, 7:30, 9:30, Sat & Sun also 1:30, 3:30 2. SURRENDER (PG) 5:30, 7:40, 9:45, Sat & Sun also 1:20, 3:25</p> <p>SWAP MEET EVERY SUNDAY 7AM TO 4 PM WEDNESDAY EVENING 4:30 TO 10 PM 907 S. KELLOGG, GOLETA 964-9050</p>
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Hey! Campus Writers

Ben and Adam are holding a mandatory meeting Friday at 5 p.m. Mandatory, unfortunately, means all of you must attend. Not to do so would be a very bad thing. The last writer to miss such a meeting lost some appendages. It's at the Nexus, of course. Thank you for coming.

Alone in the dark? Walk with confidence, look around you, travel on well-lighted streets.

Call the Rape Prevention Education Program for more safety tips. 961-3778

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 BARGAINS
 Wed. Oct 21
 8:30-12:30
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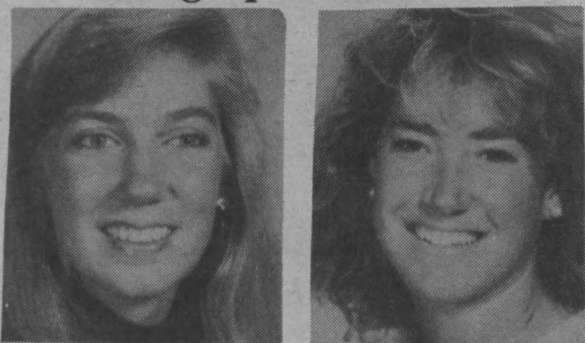
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POLICE REPORT

Police Stakeout Leads to Nabbing of Bike Thief

An Isla Vista Foot Patrol stakeout afforded the red-handed capture of a bicycle thief on Oct. 2, according to a police report.

At approximately 12:45 a.m., Paul Joseph Slocum, a 19-year-old SBCC student, attempted to steal a bicycle planted on the corner of Embarcadero del Norte and Cordoba, according to the report filed by I.V. Foot Patrol officers Greg Weitzman and Greg Nordyke.

Slocum was walking in the area, saw the bike, looked at it closely and then grabbed the bike and began walking southbound on Embarcadero del Norte, according to the report. He was caught as he began to ride the bicycle.

Weitzman and Nordyke took Slocum to the Foot Patrol office where Slocum said that he was going to ride the bike home but did not know what he was going to do after that, the report stated. In transport he said, "I've had two bikes stolen in two months. After my second bike was stolen, I decided to become a part of it," adding, "I meant to steal the bike, I deserve to be prosecuted," the report stated.

Weitzman and Nordyke were operating a bike theft program, attempting to catch thieves in Isla Vista.

Bicycle/Skateboard Mixup

A 19-year-old bicyclist was injured after a man riding a skateboard cut into the bike lane, causing him to fall from his bike last Wednesday night, according to a UCSB Environmental Health and Safety official.

The bicyclist, a UCSB sophomore, was travelling westbound on the bike path adjacent to the Arts Building when the skateboarder cut him off, Environmental Health and Safety technician Jeff Chung said. After the accident, the skateboarder stopped briefly to ask if the bicyclist was all right, but left without leaving a name, Chung explained. The bicyclist was transported to Goleta Valley Community Hospital, he said.

Since the beginning of school, there have been 28 reported bicycle accidents on campus, according to Chung. And, it is estimated that for every accident reported, six go unreported, he added.

More than half of all bike accidents are due to unsafe acts, Chung said, emphasizing that riders should be cautious and defensive.

Students Fly Through Window While Practicing Karate

Two UCSB students threw each other through a plate glass window while practicing karate moves Saturday night in Isla Vista, according to campus police.

While on the second story of a Madrid Road apartment, Ceasare Cremona and John Alltop, both 21, began practicing karate and were thrown through the glass down to the cement, UCSB Police Lt. Robert Hart said.

UCSB's rescue team arrived at approximately 10:40 p.m. and immediately transported both victims to Goleta Valley Community Hospital, where they were then treated and released.

The two men had been drinking, but alcohol may or may not have contributed to the accident, Hart added.

Driver Knocks Down On-campus Light Post

An allegedly drunk driver was arrested on campus after he drove down Arts Lane and knocked down a light post in front of the Counseling and Career Resource Center at approximately 11:14 p.m. Sunday night, according to Isla Vista Foot Patrol Officer Ron Rodriguez.

Robert S. Romero, a 29-year-old Santa Barbara resident, was trying to find his way home from I.V. when he got lost on campus, Rodriguez explained.

An on-duty CSO found Romero and called the police. After arriving at the scene, Rodriguez asked Romero if he was all right and Romero answered, "I've had too much to drink."

Romero, uninjured in the incident, was given a breathalyzer test and had a blood alcohol level of .10, according to Rodriguez. He was then cited for drunk driving, Rodriguez said.

Middle-aged Exhibitionist

An unknown middle-aged man surprised two young women on Monday, Oct. 5 when he pulled down his Speedo swimsuit and began to masturbate in front of them, according to a police report.

The victims, an 18-year-old woman and her friend, a juvenile, were on the beach across from the west end of Del Playa when the crime occurred, according to the report.

The suspect, a white male, approximately 40 years old, 5'10", 175 pounds, with brown hair, walked to the women's location and proceeded to pull down his suit and fondle himself, the report stated.

The victims started to get up to leave the area when the suspect ran eastbound on the beach and up the steps toward Del Playa.

Intoxication at Dance Club

A 21-year-old UCSB student was cited for public intoxication at the Graduate last Wednesday evening, according to a police report.

After receiving a report of a suspect disturbing the peace at approximately 11:40 p.m., Isla Vista Foot Patrol officers Cathy Farley and Dan Massey were dispatched to the Graduate, according to the report filed by Farley and Massey.

Farley believed that the suspect, Timothy Meyer, who was showing symptoms of intoxication, was a danger to himself and to others, according to the report. She then booked him on a public intoxication charge.

Witnesses Alison Meyers, 24, of Santa Barbara, and Jim Youngson, 21, of Isla Vista, told Farley that the suspect had hit each of them several times while he was dancing in the club, apparently due to his intoxication. Neither Meyers nor Youngson wish to press charges against Meyer.

Statistics

At least 31 citations for open containers and 38 citations for minors in possession of alcohol were issued this past weekend in Isla Vista, according to Isla Vista Foot Patrol reports.

Compiled by Michael Berke



Filled with confidence, Roger enters his first fraternity mixer.

Zeltzer Seltzer Natural Flavored Soda.
 Peach, Raspberry, Black Cherry, Blueberry,
 Vanilla Creme, not to mention Cola Berry.
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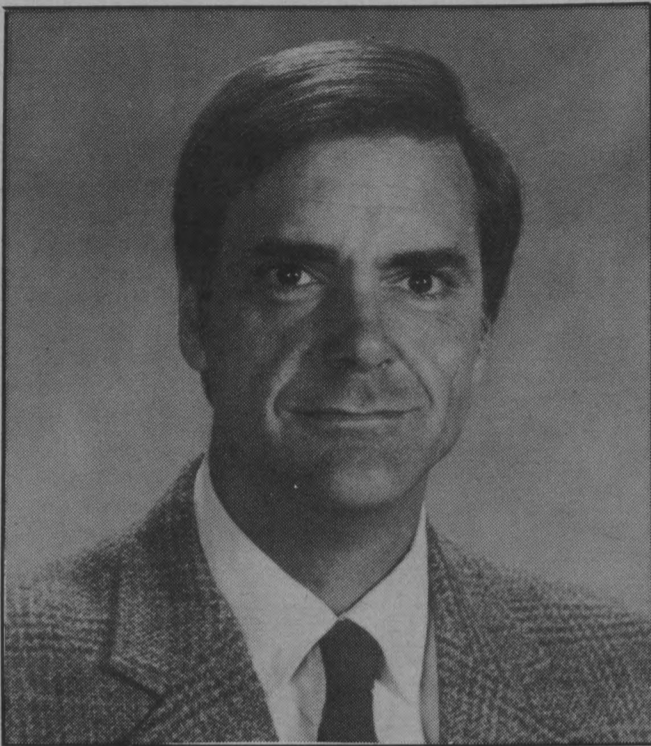
UCSB Professor's Research Honored with Award to Fund Five More Years

The National Institute of Mental Health recently granted UCSB psychology Professor David L. Hamilton a prestigious award that will extend the five-year funding he is currently receiving from the organization for up to five more years.

The new "Method to Extend Research in Time" award is presented to "investigators who have demonstrated continued creativity, superior competence and outstanding productivity in a research area at the cutting edge" of their fields, according to the NIMH. Nationwide, 34 researchers were recognized by the NIMH through MERIT awards.

A professor in UCSB's nationally recognized social psychology program, Hamilton focuses on how individuals perceive other people and on stereotypes of social groups, as well as on the formation of self-perceptions.

A specialist in social cognition, Hamilton has



David Hamilton

shown through previous research that people tend to seek and remember information that confirms their stereotypes. "It's very gratifying that the value of my research program was recognized in this way," Hamilton said. "Research on stereotypes is

not only of scientific interest, but is also a socially relevant concern. I hope that my research can increase our knowledge of how stereotypes influence social relationships and how they can be changed," he said.

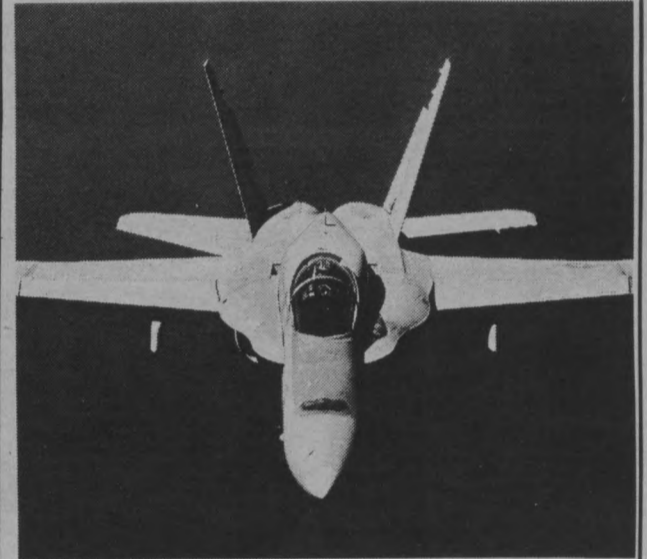
The award will provide Hamilton with continuous support for his research program. "Conducting research costs money," he said. "Scientists are continually struggling to obtain funding for their projects, so it's great to have financial support for such a long period of time. In concrete terms, this money will provide financial support for graduate students working on the project and will also be used to purchase up-to-date equipment needed to conduct this type of research," Hamilton said.

Originally from Connecticut, Hamilton received his Ph.D at the University of Illinois and was a member of the Yale faculty before coming to UCSB. This is his 12th year at UCSB.

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MEETING

(Continued from p.1)

campus parking supervisor and MEPC member. "I.V. residents will have the easiest access to these roads via El Colegio leading to University Road," she said.

The campus parking is free, although the university, which donated \$20,000 to fund the MEPC, considered charging for the on-campus parking to partially regain the donation. "We've decided it would be better valor to give it as a service," Lawson said.

"The game plan now is to block off traffic coming in from University Road, detouring (it) onto Stadium Road, leading (it) to Los Carneros and keep the loop moving," California Highway Patrol Sgt. Richard Williamson explained.

When I.V. is closed to traffic, the large number of curious drivers slowing down to discover why will probably delay the area's traffic for up to five minutes per car, Williamson continued. "The problem will not be getting out of I.V., but getting in," he said.

"If they are going out to make a beer run, of course they will not be permitted back in, but with a reasonable request, they will. The officer will have to use his own judgment," Williamson said.

Passes may be given out to I.V. residents who need to return, but officers will consider each case individually, Williamson continued. "We want to make it easy for I.V. residents and difficult for out-of-towners to enter I.V.," he added.

Although the MEPC hopes its precautions

will be adequate, the community must also help to reduce the chances of problems occurring, Lawson said. "If the community doesn't take responsibility for their guests, we don't have a snowflake's chance in hell," she said.

To control the litter problem, local merchants have agreed to stop selling bottles for 48 hours, Friday, Oct. 30 through Sunday, Nov. 1, Isla Vista Market manager Ron Johnson said.

Bob Lovegren, owner of S.O.S. Beer, said the merchants of Isla Vista are doing their share to make this Halloween less damaging. "I will close at 10 p.m. on Saturday night, instead of 12 a.m., to fulfill my personal obligation to the community," Lovegren said.

However, Isla Vista resident Matthew Ellington said he was dissatisfied with the lack of effort being put into educating the student community about their responsibilities. He also believes the *Daily Nexus* has negatively contributed to the situation by "playing up the party attitude."

However, other residents are less critical. Local resident and member of the Isla Vista Association Leo Jacobson argued that the committee's efforts are effective and unprecedented. "Not since 1973 has the university exercised its influence at the community level. Our intent is to avoid the Isla Vista Halloween tragedy," Jacobson said.

For quick response to any problems encountered, the Isla Vista Foot Patrol will establish a direct 911 link to its headquarters, Foot Patrol Lt. Jim Drinkwater said.

**Your best friend
is choking,
and all you can hear
is your own heart
pounding.**

Every second counts.
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Red Cross will teach you
what you need to know about
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We'll help. Will you?



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MAKE TODAY COUNT

Student Support Group

A UCSB support group composed of students learning to cope with their own life-threatening illness or the recent or impending death of a family member or close friend.

If you are trying to cope with a death,
come talk with us.

Meeting Schedule

Every Wednesday, beginning September 23, from 7:00 to 9:00 p.m. in the Third Apartment (Room 1119) at San Rafael Hall.

For Information Call

Margaret Getman 687-2136
Paul Dunn 968-7400

Learn how to MAKE TODAY COUNT

Degenerat

Scott Smith

Okay, let's face it. The drinking policy here around UCSB has been pretty darn lenient for a while. Now they're starting to crack down on it a little bit and everybody screams and yells!

Sure it isn't fun, but it's something that we're going to have to put up with anyway until tempers cool down. I never complained last year in my on-campus dorm when we were told that we had to keep booze indoors. I didn't even mind when my off-campus dorm said that there wouldn't be any alcohol at all this year.

Now this same off-campus dorm has informed us that we can't even have signs promoting alcohol in our rooms. That's right, all of the beer signs that I brought back to college with me had to be taken down! Even my life-size Frank Bartles is now collecting dust in the closet.

Many students are, quite naturally, fighting against this policy. They have the following argument: they don't mind that the dorms say that they can't drink; after all, it is the law. But college students have always had a certain fascination with alcohol advertisements. Not so much just because they like to drink and want to advertise what they like, but because the alcohol industry puts out some of the best ads. Beer commercials and posters are among the most popular and best-made advertisements published today. So why is the privilege of displaying these as decorations being taken away?

At first, I was among these students fighting against the system. I firmly believe that the dormitory had no right to tell me what I could or could not use to decorate my room. But then I began to see the light of what the meaning behind such a rule could be. Such advertisements only promote

"What Will Be the Fu

The Settlin

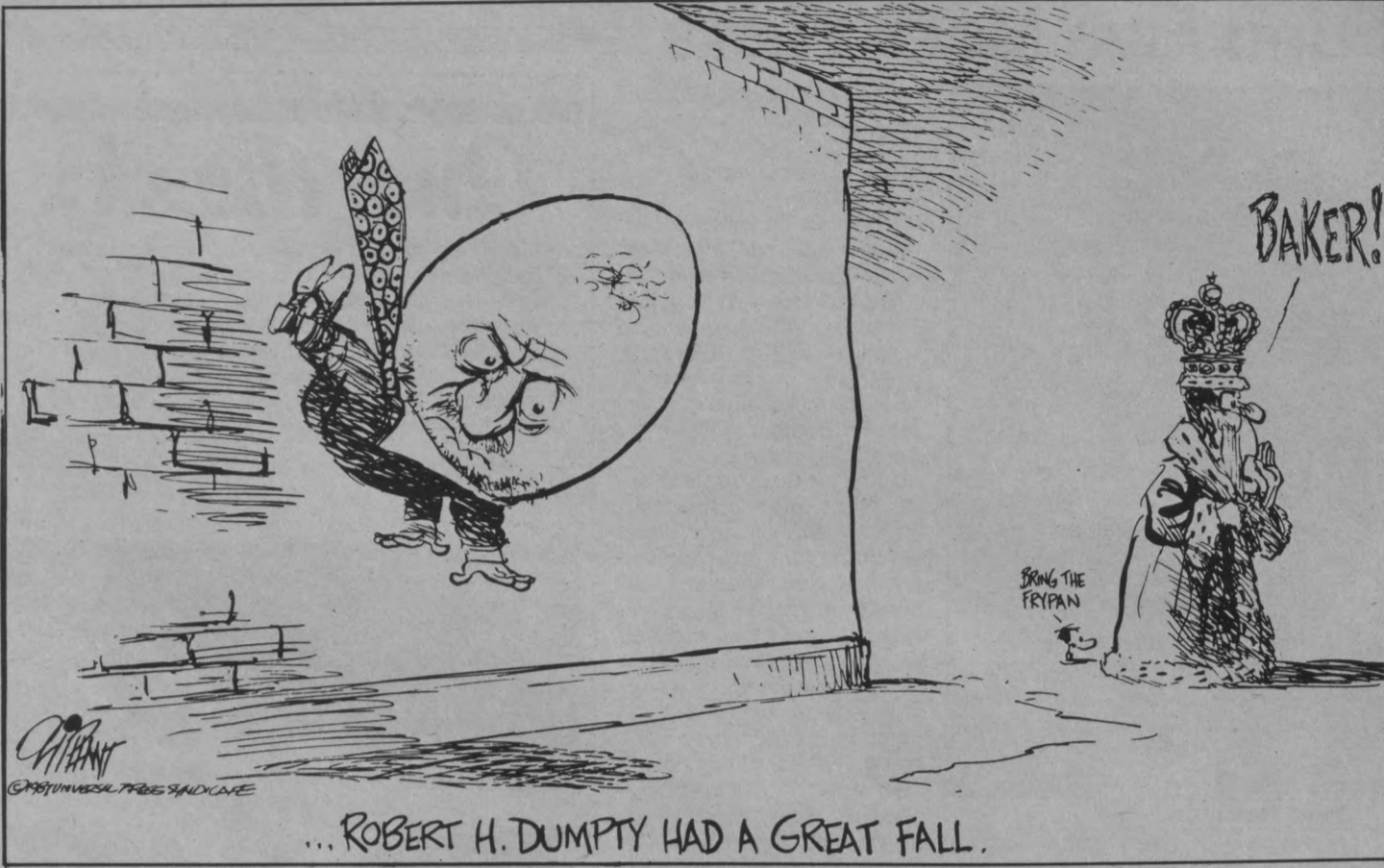
Jason Matthew LaTouche

A land larger than either South America or Australia that is unscathed by the greedy ravaging of man. It has had no mineral development. A land where both nuclear tests and military operations are banned. And the ban is followed willingly. A land with no political divisions or boundaries, where treaty nations are freely allowed to inspect each other's facilities and activities. A land where people of rival nations work together in peace and cooperation. Is this land a fantasy created by an idealized global community? Is it a hopeful sign for the future? This land is Antarctica, and it is all these things, plus one more: it is endangered.

Discovered in 1820, Antarctica has always been a place unlike any other. In the late 1950's, with seven different countries (Argentina, Australia, Chile, France, New Zealand, Norway, and the United Kingdom) making conflicting land claims, an Antarctic Conference was held. At the conference the seven nations with claims on Antarctic lands, along with the U.S., USSR, Germany, Sweden and Japan, drafted and signed the Antarctic Treaty. The treaty suspended all land claims and held that Antarctica would be used solely for peaceful scientific discovery, and the benefit of mankind. Since the original signing, another 22 nations have also signed the treaty, bringing the total number of treaty nations to 34.

Or so it used to be. Now as the Antarctic Treaty nears its expiration date, in 1991, some rumblings are being heard. Chile, Argentina, and other nations are trying to reinstate their land claims, leaving no doubt as to their desire to get at the rich mineral wealth that lies beneath the Antarctic surface. Another big push for the exploitation of Antarctica is coming from the vast oil conglomerates of the U.S. and Europe who are eager to bleed the Antarctic interior dry. Several European countries are even examining the possibility of locating toxic nuclear waste dumps in Antarctica.

The Daily Nexus is currently accepting interested in expressing their opinions in the from the literary advantages writers receive newspaper, monetary benefits are also o



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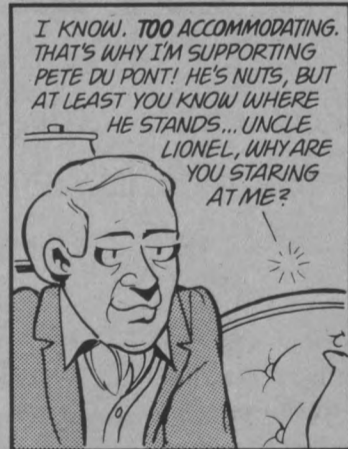
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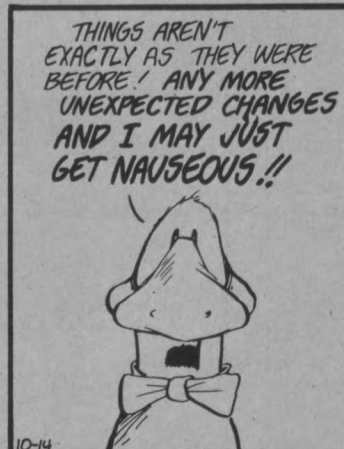
Doonesbury

BY GARRY TRUDEAU



BLOOM COUNTY

by Berke Breathed



ate Dorm Decorations

the use of alcoholic beverages and, therefore, could indirectly cause severe damage to our society. I was appalled at the very notion!

So to help join the battle against the atrocities that these ads were causing, I gladly took down every beer mirror and poster in the entire room. I then replaced it all with movie posters and plants and other wholesome decorations.

"How would I feel," I asked myself, "if a friend of mine were to notice that poster, decide to see the movie, turn to a life of crime, and subsequently, get himself killed in a run-in with the cops?"

However, I began to wonder about my choices of decor. For example, I took a good look at the movies I had chosen to advertise in the living room. "To Live and Die in L.A." was a pretty good movie, but there was a substantial amount of violence portrayed in it. "How would I feel," I asked myself "if a friend were to notice that poster, decide to see the movie, turn to a life of crime, and subsequently, get himself killed in a run-in with the cops?" I shivered at the thought and immediately tore down the poster.

A similar fate awaited other movie posters in the room. "Amadeus" recounts a vengeful plot to end the life of a rival. The future businessmen of America don't need to have such ideas introduced to them. "Round Midnight" was a classic movie showing the lives of jazz musicians. However it is a well-known fact that many musicians use controlled substances. How ugly the consequences could be!

But it didn't stop there! Oh, no it didn't! The poster of the California Raisins in claymation was tossed in the garbage. The reasoning: the song they sing in the commercial is called "I Heard It Through the Grapevine." With such a direct insinuation toward the producing of alcoholic beverages, specifically wines, and the fact that Marvin Gaye met a rather violent end, the decision was an easy one.

All posters with automobiles in them were stripped from the walls. Whenever I go for a weekend drive, I see too many people disobeying the proper speed limitations as well as other blatant infractions of the law. It is one of the more disappointing customs in our society and I refuse to be a part of it! Also, all pictures with girls in them are a violation to the morals of women. Consequently, my senior ball photo was trashed.

Sure Gumby and Pokey are cute little characters that many children hold very dear to them. But perhaps they're just too good! Isn't it possible that behind those masks of wholesome cheerfulness, there lurks an evil we have not yet encountered? Not all good things are to be trusted; just look at Jim and Tammy Bakker. Gumby and Pokey were ixnayed!

Tables can be used to set alcoholic drinks on. Couches and beds promote premarital sex. T.V. sets show too much of everything. Stereos can only play heathen trash.

The list goes on and soon I had accomplished my purpose. I had totally cleansed my surroundings. It's true that I no longer have any furniture, decorations, or roommates. But it's just one of those times when you know that you're doing the right thing.

And I have my dormitory to thank for opening my eyes to the entire situation.

Scott Smith is an undeclared sophomore.

e Future of Antartica?"

ting of the Midnight Sun?

The atmosphere is so tense and the possibility of a future treaty ensuring the continuation of the Antarctic 'Global Community' is so shaky that a consultative meeting of the 34 treaty nations is being held in Rio de Janero this month.

The situation isn't good. For example, the French government is building a large airstrip near a sensitive penguin rookery. This is being done over the objections of most of the other treaty nations. Meanwhile, Argentina and Chile, in an attempt to shore up their land claims, have established 'colonies' on Antartica, where newborn babies are issued Antartica Colony birth certificates.

There is a light at the end of the tunnel though. Whaling, which has persisted in Antartic waters for decades, will finally be ended this year. And Greenpeace, in an effort to bolster its political power at the 1991 treaty conference, has established a permanently manned outpost on the Antartic continent.

Until then, the issue will be hotly contested. Currently, there are several different proposals for Antartica's future.

The first proposal was originally presented at the 1972 Second World Conference On National Parks. This proposal calls for Antartica to be turned into a 'World Park.' New Zealand is pushing for this.

The second proposal was proposed by Greenpeace and is in essence an expansion of the existing Antartic Treaty. The Greenpeace treaty would maintain all the conditions of the original treaty. In addition to this, the Greenpeace treaty would ban all mineral prospecting, exploration and development; place a 10-year moratorium on fin fishing; ensure complete protection for Antartic wildlife; and place restrictions on construction, human settlement and toxic waste dumping.

The third proposal, and the one that is gaining favor in the smaller treaty nations, is to leave Antartica treaty-free after the current treaty expires. This would allow these nations to mine, drill and destroy at will. Argentina and Chile are strong supporters of this plan.

The final proposal suggests that the current treaty simply remain in effect for another 30 years.

The U.S. position is in approval of reinstating the current treaty with the addition of an amendment allowing mineral development.

We cannot allow this to happen. Antartica is the only example this world has ever had of a global community. How are we to have any hope for a peaceful future if the world's only bastion of peaceful cooperative coexistence is allowed to be destroyed?

There is a second reason to forestall the degradation of Antartica. It is the last virgin wilderness left on Earth. Mankind's ravages have yet to rape the Antartic landscape. Are we to allow the greedy short-sightedness of a few large corporations and military dictatorships to destroy the rare, endangered Antartic wildlife, to ravage the last pristine land on Earth, and to steal the precious resources that belong to our children's future?

There must be a treaty to stop these obscenities. The present treaty is weak and outdated. The "world park" concept is unenforcable and unfeasible. A totally new treaty is needed.

This treaty should contain all the aspects of the Greenpeace proposal plus a few more key items: 1) It should ban outright intrusions of all destructive technology and toxic waste onto the Antartic continent; 2) It should ban large scale construction that would adversely affect the natural eco-system; 3) It should dispense of land claims once and for all; 4) It should have a long-term duration, at least 75 years; and most importantly, 5) It should provide for an enforcement division, a key element missing from the weak honor-system of the original treaty.

For our sake and our children's sake we must preserve the bastion of social, political, and environmental light that Antartica is. We can only hope that the 34 treaty nations currently meeting in Rio de Janero can be convinced of this in the four years remaining in the present Antartica Treaty.

Jason Matthew LaTouche is a sophomore majoring in physics.

The Reader's Voice

Short-sighted Answer

Editor, Daily Nexus:

Responding to James Stubbe's editorial, "Space: The Final Russian Frontier," I would like to cite Mr. Stubbe for an opinion marred by contradictions. I find your logic of accelerating "Star Wars" while simultaneously revitalizing our space program and its "peaceful exploration of space" hard to follow.

To anyone not bogged down in the rhetoric disseminated by our administration concerning this issue, it is quite obvious that the Strageic Defense Initiave can never realize its aspirations as a strictly defensive system. By the very reason that the Russians are so ubiquitous in space, as you assert it is plain to see it as remaining a mere system of defense. In effect it is nothing more than another short-sighted program of our government that presupposes the existence of nuclear weapons well into the twentieth century. Maybe that duration does not sound too long to you, but our most immediate goal as human beings should be the continuing of our existence. I see such a goal as being far-sighted; maybe you do too. But to blindly pursue the exploration of space in competition with the Soviet Union can only help to prolong and escalate our tensions in their place. Maybe a joint effort of our nation (and others) combining our technologies, making space a common ground for all would be a safer method of conducting the exploration of space. We have been blindly trusting in science to bail us out of our impending doom. Maybe instead of the science itself we can see in the example of scientific and technological accord a way of abating international conflict.

JOHN AVALOS

Rude Invited Guests

Editor, Daily Nexus:

I threw a birthday party last Friday for one of my best friends. Many friends and friends of friends responded to my invitation to help us celebrate... fantastic!

The music was blaring and the kegs were flowing — all from my apartment, my home. As the evening wore on, kidneys filled, and I opened my home to the people celebrating with us.

You entered my home and proceeded to spill some unknown substance on our carpet to attract the ants (and not tell anyone), throw cigarette butts down our sinks, use our telephone (without asking), eat our food (also without asking) and worst of all steal from us cups that could have easily been purchased at the UCen. But you found our belongings an easy target for your kleptomaniac tendencies.

I know what you are thinking now... "You invited us, you let us into your home, you asked for it." Almost true. I did ask you over and allowed you in, but I did not invite you to wreak havoc in our home. It did not look like a dump when you arrived that night. I thought you would realize we respected our home and felt you would treat our home as such. I did not think that the immature disregard for others' property followed people past adolescence and intoxication. (It has been proven with controlled experiments that alcohol is no excuse for irrational behavior). I trusted you. I always trust people until I have been given a reason not to. Thank you for giving me that reason. How sad it reflects on, and affects everyone.

MARTI SPERO

Evolution and Creation: Draw Your Own Conclusions

Editor, Daily Nexus:

I am responding to Ken Hertz's letter on evolution and creation.

I am a Christian, and I am presently studying for a science major. I also believe in evolution.

My knowledge of evolution comes from various sources, but especially from Biology and Anthropology 5, and while these classes showed me that there has been a systematic development from lower organisms to higher organisms over time, these classes could not show me that this process occurred by its own accord.

Order and Nature do not go together — one has only to look at the numerous vacant lots in Goleta to see that. This being the case, how can Nature cause the systematic evolution shown in the most complete fossil records, like for horses and pigs? How does Nature create a system of cell replication that is so complex, human beings have trouble explaining it, yet the system works with a low error rate, and even proofreads itself? I believe evolution is actual and real, but I don't think it occurred without guidance.

Science is not the world's yardstick by which all ideas must be measured. An open-minded person doesn't throw out an idea because science, at the time, cannot prove or explain it. Uncontrolled evolution and creation are equally valid theories.

Campus Advance for Christ is sponsoring a program on Oct. 19 in the UCen Pavilion dealing with evolution and creation. Dr. Duane Thurman from UC Berkeley will speak about the various theories on the origin of the earth and the organisms on it, with the goal of letting the listener come to his own conclusion. The program starts at 7:30 p.m. Rather than form an opinion from a letter that argues for one side, come to a program that argues for neither side, and draw your own conclusion.

PHOEBE R. STUBBLEFIELD

Columns Needed

accepting columns from persons in the Nexus Editorial Pages. Aside from the daily Nexus, articles are also offered in exchange for their

enlightened outlooks. Potential columnists should submit approximately two to three pages of typed, double-spaced ideas, along with a name and telephone number, to the Nexus Editorial Office located under Storke Tower.

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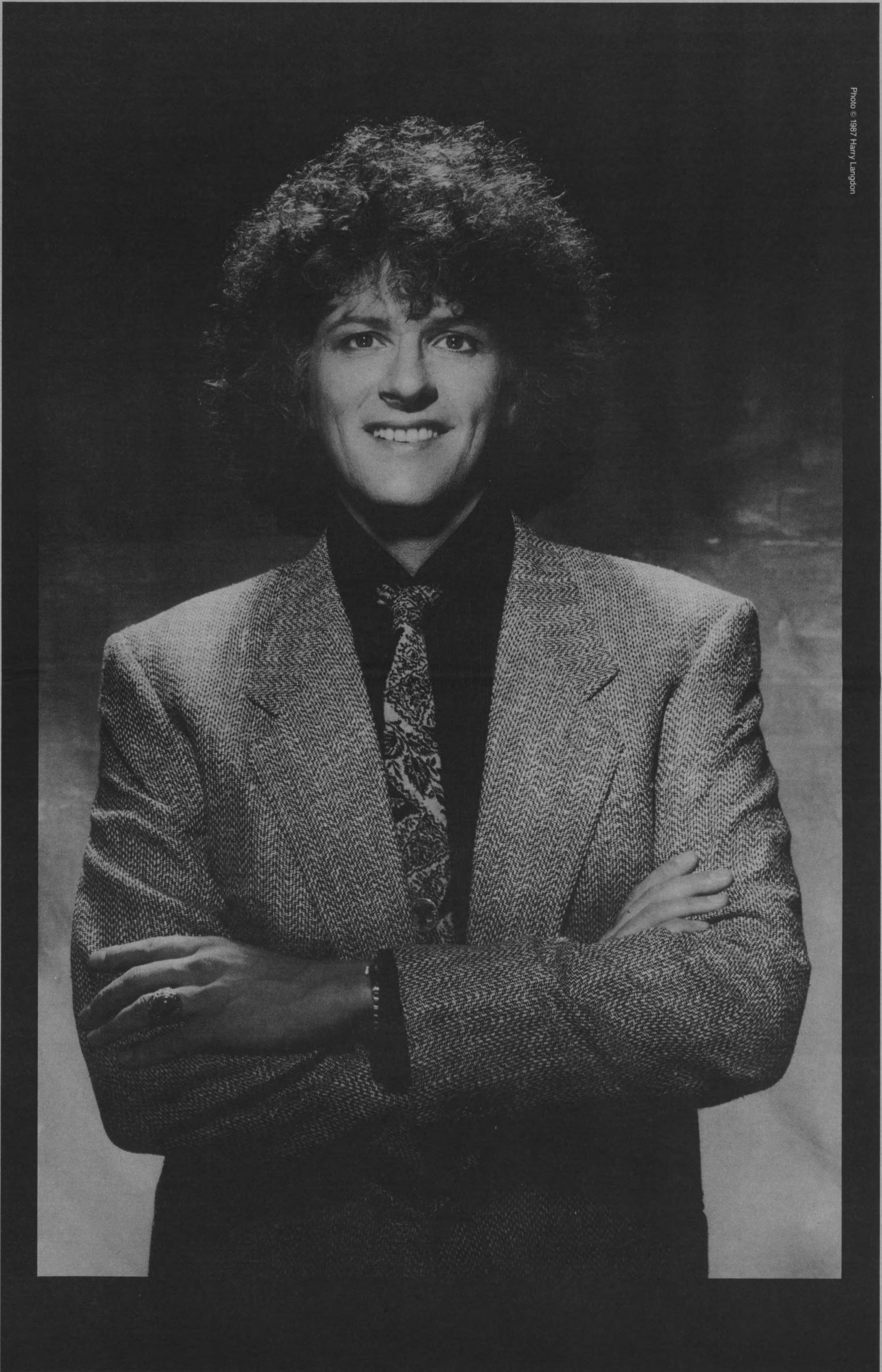


Photo © 1987 Harry Langdon

UCSB Blows Fourth Game in Loss to UCLA Bruins

By Dan Vasen
Sports Staff Writer

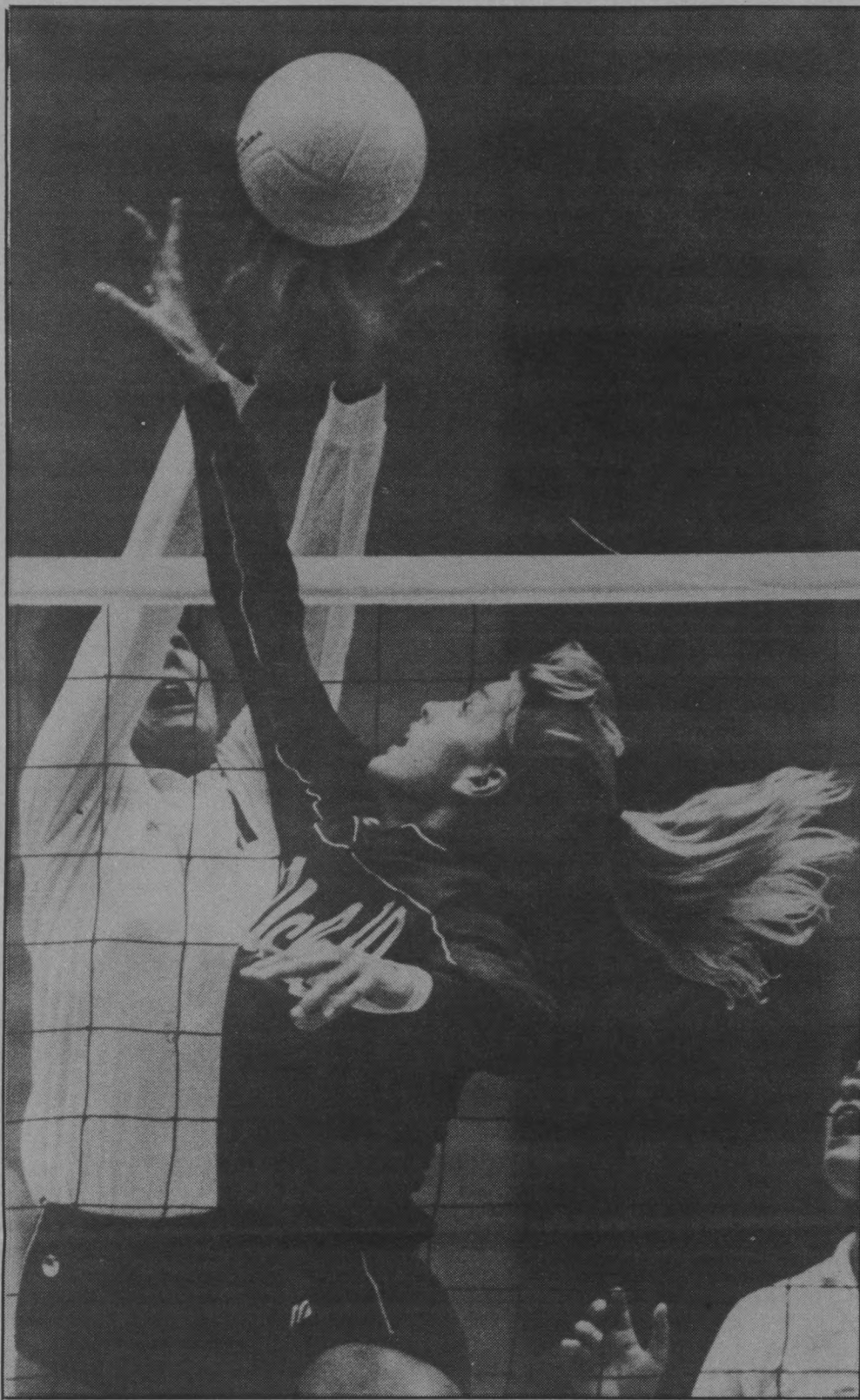
The UCSB Women's volleyball team suffered a demoralizing loss to the UCLA Bruins in a drawn-out and long four-game match last night that saw the come-from-behind Bruins overcome a 9-0 deficit in the fourth game to take the match, 15-11, 4-15, 11-15, 15-17.

The Gauchos gained early momentum in the first game behind strong serving and defense and jumped out to a 11-5 lead due in part to the play of sophomore outside hitter Nancy Young. Young was instrumental in five consecutive Gaucho points that lead to a UCLA timeout. The Bruins fought back to 13-11, but the game was won on Young's kill on the left side. Young finished the match with 10 kills and 16 digs.

"Nancy played well in the first game when we were serving well, though she didn't really hit well consistently," Head Coach Kathy Gregory said after the match. "We played well in the first two games only because the serving was good on our side. What hurt was that Judy (Bellomo) started slow; we depend upon her to play well and she didn't really start to side out for us until the third or the fourth game."

Bellomo finished the match with 23 kills for a .245 hitting percentage and had 24 digs.

Senior Yami Menendez had 14 kills and 15 digs and had three service aces.



MARK STUCKY/Daily Nexus

Freshman middle blocker Christy Lee gets a hand on a dink by UCLA's All-American setter Ann Buyer during Tuesday night's four-game loss to the Bruins.

Setter Liz Towne had 46 .338 percentage. As a team, nine service aces and 15 assists in 136 attempts for a the Gauchos had 89 digs, (See UCLA, p.13)

Shoulder Injury Sidelines Wright

Quarterback to Miss at Least 3 Weeks with Shoulder Separation

By Patrick Whalen
Sports Editor

It happened in last Saturday's game against St. Mary's in Moraga.

Near the end of the third quarter, with St. Mary's ahead 13-6, UCSB quarterback Paul Wright rolled out of the pocket and was grabbed from behind. The St. Mary's assailant pinned Wright's arms to his sides and professionally body-slammed him to the turf on his right shoulder.

"All I felt was this pop," Wright said Tuesday while watching Gaucho practice from the sidelines. "There wasn't that much pain, but I felt my arm dangling and I couldn't pick it up.... and then I got to the sidelines and I saw this little knot sticking up."

That knot, a pinball-sized lump on the top of Wright's right shoulder, is all that remains of the hit that tore the senior's anterior cruciate ligament.

Freshman Mike Curtius came in for Wright and eventually led the Gauchos (4-1) on a 97-yard drive to capture the win for UCSB in the fourth quarter. Curtius will start this Saturday against La Verne in Harder Stadium, as Wright, after consulting a doctor, said he will not be able to throw another football for at least three weeks, and may be lost for the season.



Paul Wright

"Right now (I have) just a throbbing pain mostly, except when I move my arm back or straight up," Wright said. "I have no over-the-shoulder mobility with it, that's a real sharp pain."

The best element he can employ in the healing process, Wright's physician, Dr. A.K. Ryu, told him, is time.

"He said there are two ways you can deal with an injury like mine," Wright said. "You can either operate on it right away and place some pins in there, or you can take the lump away cosmetically and in the long run you will have a chance to be stronger than you would if you didn't. But he said the chance is so minute that you might as well leave it alone and let it heal on its own and do a lot of therapy with it."

"And so he said that within three weeks I can probably start throwing again but there's going to be a lot of pain, and if I can handle the pain then I can come and play."

"But he said the injury is so severe that I can't hurt it any further than it already is, so there's no problem reinjuring it. But it'll be at least three weeks before I can start thinking about that."

The injury cuts short a fairly successful season for Wright, who was approaching a top spot on the all-time UCSB quarterbacking record books. When he went down, the Tiburon, Ca., native had 1,012 yards on 95 completions in 181 attempts. Any improvement on those numbers will now have to come at the very end of the season, if at all.

"I'm real bummed about (the injury)," he said. "As a team we still have a real good chance to do well. We have three Division III schools coming up and there's no reason why we can't beat all three of them. But personally I'm real upset 'cause I thought I was having an all right season."

UCSB Head Coach Mike Warren says Wright's injury is typical of what happens to many football teams. But he isn't too discouraged.

"Unfortunately, it's all part of the game," Warren said. "We were lucky for awhile, and now I guess we're kinda unlucky."

A common theory in football — and in baseball too for that matter — is that when a team loses its starting ace, it will crumble. And like most coaches, Warren doesn't feel such an assertion is necessarily true.

"As much as anything else, it probably depends on how the

(See WRIGHT, p.13)

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Well, you can. All you gotta do is make the team. And if you think you have the chutzpah and skill that it takes to play for one of the PCAA's finest, UCSB Head Coach Jerry Pimm and his assistants want

YOU. That's right, lil' ol' you.

Try-outs for the 1987-88 UCSB men's basketball team will take place Thursday afternoon in Robertson Gym at 4 p.m. So slip into those Converse, put on those shorts and that tank top and get yourself on over to Rob Gym and flaunt your hoops stuff. You might find yourself donning blue and gold when it's all over, and still have time to catch Thursday night's NBA match between the Golden State Warriors and Los Angeles Clippers. See ya Thursday!

Women Look to Recall Winning Way

After a disappointing road trip up north, that yielded a loss and a tie, the women's soccer team heads south today for a game with Chapman College in Orange.

The 8-3-1 Gauchos need to pick up a win in order to rid themselves of the bad taste that Santa Clara and Hayward State fed them, and to build momentum for the final part of the season and hopefully a berth in the playoffs.

UCSB faces a tough road to post-season play as they travel north again after Chapman to play UC Davis and UC Irvine in the All-Cal Tournament. They will then come back to face cross-town rival Westmont in Montecito, followed by a critical match against St. Mary's of Moraga. For dessert they will host the Santa Barbara Women's National Soccer Cup, Oct. 30 through Nov. 1, where they will be facing George Mason and Adelphi Universities, with the University of San Francisco sandwiched in between St. Mary's and the Cup.

According to UCSB Head Coach Tad Bobak, if his team is to finish the regular season strong, they must have confidence in each other.

"In order for a player to make a run and open up options, she must have confidence in (her teammates') skills so that she can become comfortable and make those runs without fear of getting caught up if her teammate should lose the ball," he said.

Freshman midfielder Miriam Palma, one of the players who has to take Bobak's philosophies and turn them into goals, is confident that UCSB can play in that fashion.

"We have to use more skills and work the ball around more (creating time and space to use the best option), once we do that, our options will come through," she said.

The squad is presently in the middle of seven consecutive road games and won't return home to Harder Stadium until the St. Mary's match.

— Aaron Heifetz

UCLA

(Continued from p.12)

blocks.

The second and third games belonged to the Bruins, who had a consistent attack behind the strong hitting of freshman Samantha Shaver, who finished the match with 15 kills and 27 digs, and senior outside hitter Wendy Fletcher, who accumulated 23 kills and 26 digs.

As a team, the Bruins hit with a .221 percentage and amassed 138 digs. Four of the starting squad for UCLA finished the match with over 20 digs.

"We had more steadiness tonight, being down as much as we were, then coming back to score a couple of points each time," Bruin Head Coach Andy Banachowski said.

"It was a long match; we are usually not a rallying team, we're a pass, set kill

or get killed kind of team, we knew that we had to play as good a defense as UCSB to be in the match."

The fourth game proved to be a test of the Gauchos' ability to overcome complacency, as a 9-0 lead quickly diminished into a 12-10 deadlock after the Bruin attack got moving.

"It's very difficult to teach the girls how to keep the will to win with a 9-0 lead and how to fight for points," Gregory said. "There was no talking on a couple of plays; a free ball that drops in the middle of the defense shouldn't happen if they were talking out there."

On a number of points in the game, the Gauchos were given the opportunity to win by Bruin service errors but were unable to close the game out at 14-11. Again at deuce, the spikers were unable to put a play combination together that would generate some points. Often the offense would run

smoothly until the spike, but the Gaucho hitters weren't attacking with the same intensity as the Bruins.

"There was a lack of leadership out there at the end, there was no aggressiveness and no one took charge," Gregory said. "We had a couple of swings, but no one wanted to swing at the ball."

The Bruins were playing without two of their regular starters, Lori Zeno, who sprained an ankle in practice, and Stacy Buck, who is undergoing arthroscopic knee surgery. The Bruins compensated with three freshmen, an example of the depth of their bench.

"If UCLA was to be beat, tonight was the night, on the road when they had two of their best players out," Gregory said.

"We need to learn that when we get beat so many times, that when we're in that situation again, that we'll have a little bit more of

a courageous attitude to win."

"We fear losing and so we don't know how to push, with UCLA being on the road we should be the aggressor ... we've only won one close match in five games," Gregory said.

The Gauchos' next match will be away against the UC Irvine Anteaters, on Saturday, Oct. 17. The Gauchos are 18-1 against the Anteaters, who finished ninth in the PCAA with a 7-26 record.

WRIGHT

(Continued from p.12)

other guys on the team respond to that," Warren said. "I've always been of the belief that the quarterback ... probably is never as critical one way or another as people perceive him to be. He gets a lot more credit than he deserves and he gets a lot more blame than he deserves."

"So basically, if you subscribe to that theory, which I happen to, you overcome the loss of your starting quarterback by everybody at every position playing 115 percent better than they have been playing. You overcome that loss by being better at everything else."

But Warren is also a realist.

"It's obviously a damaging blow to us, in terms of the loss of a talented player," he

said. "But more important is how we react to that. There will be other aspects of our game that may very well get better, other players on our team that will get better. That's always the interesting thing. When it happens to your quarterback then that is something that everybody immediately becomes aware of because he's such a visible part of your team. But I really believe that other guys will begin to play better than they have, and probably psychologically we will make an identity adjustment, how large I don't know."

"We've still got some fine players at quarterback, it's not to say we've created a vacuum there."

The freshman Curtius, who was two for seven for 58 yards and one touchdown against St. Mary's, will share time with junior Steve Armstrong Saturday against La Verne in Harder Stadium.

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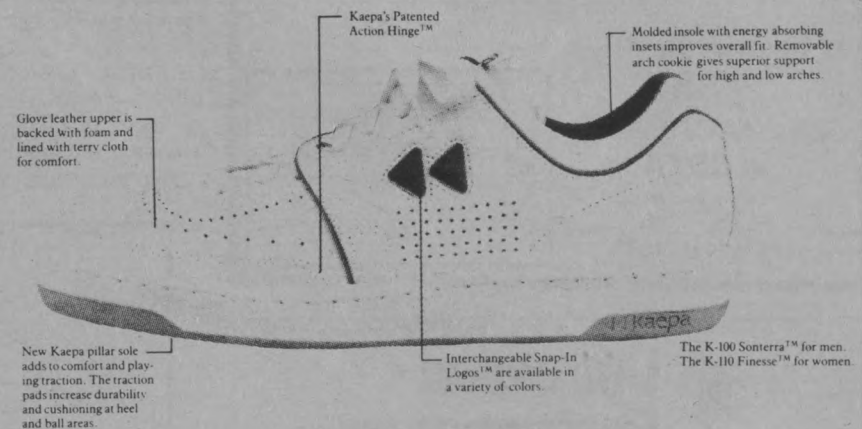
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QUESTION OF THE MONTH
 Does the executive branch have ulterior motives? Are the controversial nominations of Robert Bork to the Supreme Court and James Burnley as Secretary of Transportation deliberate political "meat" to divert attention from the Iran-Contra issue and other unsavory revelations that might become public in the near future? Is the provocative military confrontation with Iran a similar diversion? If true, should we expect a dramatic escalation in the confrontation with Iran in the near future?
 -Paid Statement- October 10, 1987

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Bulldogs Beat Men in PCAA Match

Head Coach Kuenzli Blames Officiating for 2-1 Conference Defeat

Patrick Whalen
 Sports Editor

In a rematch made dreamlike not only for fans of Pacific Coast Athletic Association men's soccer but apparently also for the referees working the game, the UCSB men's soccer team lost to the Fresno State Bulldogs 2-1 Tuesday night in Fresno in a game filled with what Gaucho Head Coach Andy Kuenzli called "gross officiating errors."

"I hate to say this because it's a horrible excuse, but the officiating (Tuesday) was very poor," Kuenzli said. "It was so frustrating for us... After the game I felt like punching somebody, and the team was very mad also."

Game officials, Kuenzli said, did not call a blatant handball violation by Fresno, did not rule in the Gauchos' favor on an "obvious" offside penalty, nor did they call a penalty when UCSB forward Will Gould was brutally taken down on a breakaway play near the Bulldog goal, among other things.

"I really feel we could have won the game had the referees been at all competent," Kuenzli said. "We had just as many chances to score as they did, and we had more good chances to score than they did. The referees just weren't in our favor."

The Bulldogs (9-3-1) — who were ranked #1 in the nation when they first played UCSB (7-4-2) in the 1987 season opener, but have since fallen to 20th — took the lead in the 25th minute when All-American Femi Olukanni scored off a deflection from a UCSB defender.

UCSB forward Geoff Yantz evened the contest 1-1 in the 50th minute, but with two minutes remaining, Olukanni found the Gaucho net again to win the game. But Kuenzli maintained that the Nigerian was offside on the play.

"He was six feet offside," Kuenzli said. "I don't know how they could have missed it."

The loss drops the Gauchos to 1-2 in the PCAA and puts Fresno State back in first place in the conference.

"If we would have won, which we should have, we would be up there in the standings," Kuenzli said. "But now we'll have to hope (another team) will help us out by beating them."

Kuenzli was not displeased with the Gauchos' performance, however.

"The game showed we can play three games in five days and still have a strong showing," he said. "I'm very happy with the way we played, but I just don't show it because I'm still upset with the referees."

The Gauchos' next game will be at home Friday, Oct. 16 in Harder Stadium when they play UC Irvine.

Regaining Top Status

Surf Squad Aspires for Lost National Title

By Dan Stein
 Sports Reporter

How badly does the UCSB surf team want its national title back?

Very bad — Michael Jackson Bad. The Gaucho surfers have already started gearing up for the season which begins in February, and rivalry against defending San Diego State is mounting.

"We're taking the club sport much more seriously this year," co-captain Darren Madrigal said. "We're getting higher attendance at meetings and tryouts, and there is more urge to be on top of the club."

After winning national championships from 1984-86, UCSB's dynasty fell to the Aztecs last season. Although Gaucho Kirk Gibbons was awarded the individual championship in '87, several factors caused underdog San Diego State to outscore UCSB.

Many UCSB competitors were eliminated early last year, and a rule change which lowered each team's number of surfers from twelve to six negated UCSB's depth advantage. Nonetheless, co-captain Mike Carlton forsores UCSB dominance again this year.

"Our strong point has always been depth, and this year we've had a lot of new talent join. San Diego has only a couple of hot guys. We have 15 or so," he noted.

Carlton, Gibbons, Madrigal, and brothers Chris and Mike Lind have all returned from last year's 'A' team. New prospects include freshman Brian Lindsey, senior Scott Thomas, and junior Andy Wirkus.

The surf team consists of three sub-teams: A, B, and C.

Each sub-team has six male surfers, one female surfer, one knee boarder, and one body boarder. Surfers earn points from their wave choice, maneuvers, and length of ride.

Although competition is fierce between club members for spots on the team, the UCSB surf team retains its traditional spirit and unity.

"We encourage everyone to come to meetings, hang out and party with the team," Madrigal said. "We always have good turnouts for the meets, and nobody leaves until its over."

Another incentive for surfers to achieve success is sponsorship and exposure. Block Products, Bubblegum Surf Wax, and Instruct Sportswear provide Gaucho surfers with free supplies. Gaucho surfers will be well-equipped for the upcoming year.

The surfing club's season begins with a practice dual meet against rival San Diego State November 14. UCSB competes in four official meets in February through June, and national finals are held in Huntington Beach November 14. UCSB and SDSU are favored at nationals.

"We have a fun, clean kind of rivalry with San Diego. There's really no negative vibes," Madrigal said. "When we visit San Diego their team will house us, and afterwards we'll have a big party."

As far as goals, heading the list for UCSB surfers is to have fun + lots of fun. Although winning is important, the thrill of a killer ride is enough incentive for club members to concentrate on mastering the tide.

"No wave is ever the same. We're here for a good education and good jobs, so that we can surf for the rest of our lives," Madrigal added.

Regardless of this season's outcome, a Gaucho surfer can expect enough adventure to last a lifetime.

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MORGAN IN '88...

TRUST ME.

A TAD BLATANT, ISN'T IT?

REALLY? IS MY CALVIN KLINE LABEL THAT OBVIOUS?

LOST & FOUND
 BROOKS WALKER—I have what you lost. JOHN 685-2752.
 FOUND: F Siamese kitten 10-07-87 on 6600 block Abrego Call 685-9214 ID.
 FOUND: Kryptonite Key on 10/17 claim at UCEN lost and found.
 LOST—GOLD RING WITH INITIAL "C" ON IT
 Lost Fri. 10/2 on Rob Gym Field. If found Please Call Cindy. 968-9365. SENTIMENTAL VALUE!!!
 REG CARD LOST! at Gaucho Football Game! Need it to get free condoms at the Health Center...HELP! Call Greg 968-8966.
 REWARD 4 info leading to return of license plate that says LA CURE. Stolen 10/10 on Sabado. 685-0746 Anne
 REWARD: Stolen Mongoose Mtn bike, Men's. All chrome 27in., bent rt. peddle. Please call 968-0506 or CSO.

SPECIAL NOTICES
 AFTER STAR TREK? Evening Candlelight Worship Sunday, 6:15PM, St. Micheal's Church, Picasso at Camino Pescadero.
ALCOHOL/DRUG DISCUSSION SUPPORT GROUP
 Meets every Wednesday & Thursday 12-1 pm in the Student Health Medical Library
 Free & Confidential for more info call 961-2914

ARTISTS—Oil and Watercolors 1/2 price, frames and glass wholesale and retail. Fly By Nite Gallery. 1129 State St. 966-6455 or 965-5527.
 ATTN: All Arts and Crafts people! Fly By Nite Gallery offers you a chance to display and sell your work during holidays and all year round. Huge space. Consignment only. Come by 1129 State or Call 966-6455/965-5527.
 Female Model for Hairstyling Video \$125.00 per day. Two days shooting. Contact 969-6425
 TAKE A RISK-BE YOURSELF! Celebrate National Collegiate Alcohol Awareness Week Oct.19-24.

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FREE DELIVERY
 with min. order
 between 4 pm-9:30 pm
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968-9766

PERSONALS
 JS—I know what I want...YOU!! So what's it to ya? Love, KR
 RUSH GROUP NO. 11
 Reunion at Alex's Fri. Oct. 16 at 4:30. Call Christie for details 685-1787.

BUSINESS PERSONALS
 LAST CHANCE THIS QUARTER TO BUY UCSB STUDENT ACCIDENT & ILLNESS INSURANCE. ONLY \$227.00 PAY STUDENT HEALTH SERVICE CASHIER. DEPENDENT COVERAGE ALSO AVAILABLE. CALL STUDENT INSURANCE OFFICE 961-2592 FOR MORE INFORMATION. FINAL DAY TO ENROLL 10/16/87!!

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 Sun. Oct. 18
 IV Theater
 7, 9, 11PM \$2.50
 MARK HARMON
SUMMER SCHOOL
 Wed. Oct 14, 1987
 I.V. Theater
 8 & 10:30 pm
\$2.50 admission
\$2.00 w/'87-'88
 t-shirt worn
 spon. by UCSB Ski Club

HELP WANTED
 Dominos Pizza of Goleta is now hiring for full and part-time delivery personnel. Excellent opportunity for students and housewives to earn extra \$\$\$ for the holiday season. Day and evening hours. Apply in person. 6485 G Calle Real.

Sales
 Selling Ads to area Industrial Businesses. Set appts. by phone. Flexible hours. Call 683-4030

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 SET APPTS BY PHONE \$6.00 PER HOUR
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 START IMMEDIATELY CALL TODAY 967-4988
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 BICYCLE SALES AND ASSEMBLIES
 Hiring knowledgeable, enthusiastic person to assist our customers with their needs. Part and full time positions. Apply at HENDRICKSON'S BICYCLES, 629 State St., S.B.
 Earn \$\$ with UCen Food Service! Need food service workers in kitchen area. Variable hours. Also, janitorial pot washing shifts available, mwf, 2:00-6:00. \$4.88/hr. Apply Immediately at UCen Room 2294.

HASHERS NEEDED AS SOON AS POSSIBLE! 4 to 6pm \$4.00 plus dinner.
 "HIRING!" Government jobs- your area. \$15,000-\$68,000. Call (602)838-8885. Ext. 4249

UNDER NEW MANAGEMENT
 Enthusiastic drivers wanted. Earn up to \$14/hr. Must be 18 yrs. of age. Must have own car & insurance. Must be a safe courteous driver. Apply in person or call:
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 Employment now!! Update the S.B. City Directory p.time & full time. Inside & outside work. No selling. Apply RL Polk Co. 5960 Mandarin "E" Goleta. Corner Fairview & Mandarin M-F 9 a.m. - 4 p.m.
 Part-time teaching asst. M-F for AM program for preschool children. Inquire at Creative Care Preschool 968-4112.

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 Positions available at ST. VINCENT'S Residential Facility for energetic, responsible, motivated individuals looking for rewarding career experience. Prefer experience with children. Flexible hours and positive work environment. Training provided in Behavior Modification, Crisis Intervention, First Aid/Medical Insurance, paid vacation/sick leave/holidays for 20 plus hour shifts. Apply 4200 Calle Real-683-6381.

UCSB CHESSPLAYERS WANTED
 to form campus club. Call Leonard, 682-4066.
 Visiting Professor seeks reliable, mature college woman to watch 2 children (9,6) some evenings and weekends. Call 967-2173

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FOR INFORMATION CALL 685-3657.
 LIVE TAPES: 1000! Cure, Costello, Cope, Cocteus, Doors, Fairport, Echo, Gabriel, Hitchcock, N order, Led Zep, V Morrison, Floyd, Iggy, REM, Velvet's, Doll's, Bruce, T Heads, U2, Vega, many others! Al 687-8538.

U2 TICKETS FOR SALE
 Good Seats 685-5236
 Wyse-50 Computer Terminal w/1200 band modem. \$350/obo. Call Nathaniel at 967-9270.

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 Sweet 1981 VW Scirocco S Red. Full Tint Frnt Spoiler Air Dam 5 Spd. A/C Must sell this week OH yea, 56K ml. Simply Call 562-8787 Best Offer.

KAYAK CLASS
 Oct. 23, 30, & Nov 6
9 hours of instruction (padding, rolls rescues, surf & ocean techniques, and more...)
 7 pm-9 pm
ONLY 6 PER CLASS ONE KAYAK PER STUDENT
 Cost \$60 at the Rec.Trailer

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 19" Custom Built Racing Bike. Superbe-Pro Campy Modolo w/- extra set of wheels. Excellent Cond. \$450 962-5367. Lve message.
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MOTORCYCLES
 YAMAHA RZ 350 Immaculate condition, partly redone engine, 2 yr warranty and helmet included. Less than 3000 miles - asking 2300 obo Call Jeff or Greg 562-9710

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Technic's Tape Deck, led meters, dolby B&C, good condition, soft touch. Cheap! Call Jeff 562-8897.

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 Dressers \$45, Desks \$29. Coffee and end tables \$15 Dining Tables \$29. Chairs \$5. Beds, Mirrors, TV, Stereos, Lamps Irons, Toasters, Bikes, Dishes, Clothes. All Cheap! We buy & pick up donations promptly!

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 Wed. 1 pm Ucen rm 1
 Don't Miss the Student-Faculty Mixer
 Thurs. 4 pm
 N.H. Courtyard
 Spon. by ODE & SEA


WANTED
 Visiting Prof needs 3-4 rm house/ apt. in quiet area Dec. '87-Mar. '88. Exchange house in Switzerland or will pay rent. 965-0366.
 WANTED: Chrome Ross Mountain Bike. Call Stephanie 968-7182.

FOR RENT
 2Bed-2Bath Luxury Apts. for maximum 4 people. 1 year lease available with 12th month free rent. Heated pool, elevators, laundry. Blocks from beach and U.C.S.B. 6889 El Colegio 968-9664
 HOUSE available soon. 4 bed, 2 bath, 2 car garage, washer, dryer. \$1375 per mo. Lease 'till June. Call Steve Thomas, 968-2866. Please Leave Message!
 NICE 1 BR APT 6621 ABREGO-Penthouse Convenient, close to markets. Quiet- apt. at back of building. Sunny kitchen window. Price negotiable! Call Lea 968-7928 Available NOW!

RAD COTTAGE-LIKE STUDIO ON EL NIDO NEAR CAMPUS.
 SUBLEASE UNTIL JUNE \$400MO. O.B.O. LOFT, SKYLITE ASAP CALL JIM 968-6131
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 1 F roommate wanted for lg apt. in IV. FUN but likes to study too! 968-5237. lg yard, furnished, good location
 1M rmmt needed! Take over contract at FB! \$425/mo. Includes meals, maid, pool, utilities-just like home! Cool rmmts, too! Call Loren at 562-8899.
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 Del Playa Oceanside apt. Needs 2 more people to make it full. 6531 apt1. 968-1223 Please Call or Come by.

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BUDS
 ICE CREAM
 Huge SUBS \$3.99 only

 956 Emb. del Norte 968-3378

Female needed to share large bedroom in IV. Must see to appreciate. 685-3386.

OCEANSIDE DP 1M Rmmt needed. Great Location 6885 no. 3. Call 961-3002 days or 685-0588 nights or stop by

GREEK MESSAGES

HEY PI PHI ARROWMEN!!
 Important meeting at the house on Wed. Oct. 14 at 9:00! Come and it will be fun, fun, fun!

PHI SIG LITTLE SISTERS
 Now it's time to roll. Most imp. meeting of the year this wed. Oct 14 at 10:00 discussing Big bro's-T-shirt-Formal. Bring checks and party will follow. Let's do business
RUSH GROUP 26 (MY LITTLE FRIENDS) REUNION TIME IS HERE- WEDS 10/14 5PM
 GIOVANNIS. I CAN'T WAIT- I MISS YOU ALL! SEE YOU WEDS! LOVE, STEFFIE
RUSH GROUP 4! REUNION! Meet at GIOVANNI'S at 4:30 Oct. 15, 1987. See you there! Luv, Carri.

RUSH GROUP 7/814
 What: Reunion
 When: Sun Oct. 18 5PM
 Where: Giovanni's Pizza
 Apollo I will see you there!!

LIMOUSINES
 AFFORDABLE LIMOSINE SERVICE (1 hour minimum) S.B. LIMOSINE 963-1967

MEETINGS
GOLDEN KEY HONOR SOCIETY Members First Meeting Wed. Oct. 14 5 p.m. UCEN 3
OVEREATERS ANONYMOUS MEETS EACH WED. From 12-1pm in the Health Ed Room of the Student Health Center. No dues or fees. Call Kathy at 685-5947 for more info. Anyone is welcome - WE CARE!
 Pre-Health Association meeting on Wednesday, Oct. 14th 7pm. In the Student Health Center Library
 The Objectivist Club at UCSB discusses
SOCIALISM AND FASCISM Wed., Oct 14, 7pm in SH 1432A.
 Visitors are welcome!

UNIVERSITY DEMOCRATS-ATTENTION! First meeting of the year tonight. 7:30PM UCEN Rm 1. All Welcome!

AD INFORMATION
 CLASSIFIED ADS CAN BE PLACED UNDER STORKE TOWER Room 1041 8a.m-4p.m. M-F.
 PRICE IS \$3.30 for 3 lines (per day), 36 spaces per line, 30 cents each line thereafter.
 No phone ins. we do not accept Visa or MasterCard (or other credit cards). Ad must be accompanied by payment.
BOLD FACE TYPE is 50 cents per line (or any part of a line).
14 POINT type is 60 cents per line. (26 characters per line, lower case: 22 characters per line, ALL CAPS)
18 POINT type is \$1.20 per line. (18 characters per line, lower case: 14 characters per line, ALL CAPS)
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SUPER

(Continued from p.4)

— called the “older generation” superconductors — this does not occur at easily attainable temperatures, because thermal vibrations from the material’s atoms disrupt the binding force between the electron pairs.

Therefore, to superconduct, these materials must be cooled to a point where their atomic vibrations are diminished. This normally occurs at temperatures near “absolute zero,” -459 degrees Fahrenheit.

To get a material to such a low temperature requires the use of liquid helium as a refrigerant. However, at -452 degrees F, liquid helium is one of the most expensive and most difficult materials to handle in industrial use.

In fact, liquid helium is not only expensive to produce, but is also non-renewable, according to UCSB chemistry Professor Gallen Stucky. “Getting (helium) to liquid is difficult and not worthwhile on a mass scale,” he explained.

The Search for Higher-Temperature Superconductors

Thus, the search began for materials that could superconduct at temperatures above that of liquid helium. Progress was slow, with advancements of only a few degrees taking years to accomplish. In fact, by 1973 the highest temperature at which superconducting had been successful was a frigid -418 degrees F.

“People had looked in all different directions and had not found anything,” Intermagnetics General President Carl Rosner explained. “When you look for years and years without finding anything, you give up.... Basically, everybody had given up (hope) that this breakthrough would

ever happen.”

Fortunately, not quite everybody gave up.

In 1986, a group of researchers working at an IBM laboratory in Zurich, Switzerland, saw signs of superconducting in the material lanthanum copper-oxide, at the amazingly warm temperature of -396 degrees F.

Not only was this the highest temperature ever reached in superconducting, but the team’s results stood up to the scrutiny of other scientists and were reproducible — something often lacking in reports of high-temperature superconducting.

“The big breakthrough came with the Swiss team,” Stucky explained. “They really should be given all the credit, and probably will win the Nobel Prize.”

He added, however, that because the results found by the Swiss team were so extraordinary, the team was reluctant to publish their find. “It took a lot of courage getting over that initial hurdle.”

Almost immediately after the work was published, though, scientists around the world began to search for similar materials that could superconduct at higher and higher temperatures.

Working with the Swiss team’s lead, for example, Chu was able to raise the ceiling temperature to -364 degrees F by placing the lanthanum copper-oxide under 12,000 atmospheres of pressure.

Later, researchers at Bell Communications substituted strontium for some of the lanthanum, bypassed the need for high pressure and achieved conduction at -387 degrees F.

Finally, in February of this year, Chu announced that a combination of yttrium and barium, replacing the lanthanum entirely, had produced a material capable of superconducting at -290 degrees F. Not only is this temperature well above that of liquid helium, but it can also be reached by using liquid nitrogen (-321 degrees F) as a cooling agent.

Nitrogen, unlike helium, is abundant in the atmosphere, accounting for approximately 60 percent of the earth’s air. In fact, some scientists pointed out that at five cents per liter, liquid nitrogen is cheaper than beer, making widespread superconductor use that much more economical.

New Applications Sought

Until now, the majority of the superconductor industry has been aimed at producing high-field magnets, those that produce very strong magnetic fields. Because these superconducting magnets are made of the “older generation” materials and require the costly liquid helium refrigerant, their use is limited primarily to Magnetic Resonance Imaging machines, used in medical diagnostics, and particle accelerators, used by physicists to study the fundamental building blocks of matter.

However, now that relatively inexpensive superconductors seem to be on the horizon, many companies and governments have either started or stepped up superconductor programs.

For instance, Japan, using helium-cooled superconductors, has already developed a high-speed train that floats on magnetic tracks and cruises at 300 miles per hour. Also, the Hitachi company of Japan has begun work on computers that incorporate superconducting materials in their processors in an attempt to increase processing speed.

And, the United States Department of Energy has been actively involved in superconducting research since the 1950s. “The department of energy has been doing research in superconductivity for a long time and ... has a number of programs that utilize superconductors,” explained Louis Ianniello, a basic research scientist for the DOE.

“Research is underway to develop superconducting power transmission lines, electrical storage devices and other applications of superconductivity. Superconductivity has been looked at for a number of applications,” Ianniello said.

However, he explained that it will take time to develop applications for the new superconductors. “I think that’s one of the dangers. We’re still trying to understand the material, understand the theory, understand how to prepare the material. It’s very early to try to pin somebody down on applications for these materials that were only discovered this year. I think they will come, but it’ll take a while,” Ianniello said.

Others, including President Ronald Reagan, are more optimistic. At a national conference on superconducting held last July in Washington, D.C., Reagan declared the “sky is the only limit” for future applications of the new materials. At the conference, he outlined an 11-point program to help develop the new technology, including an easing of patent, anti-trust and freedom of information laws.

In addition to the superconducting legislation, Reagan has also put forward the groundwork for the \$4 billion Superconducting Super Collider, an underground high-energy particle accelerator. Fifty feet underground and 52 miles in circumference, the collider will be the largest scientific instrument in existence.

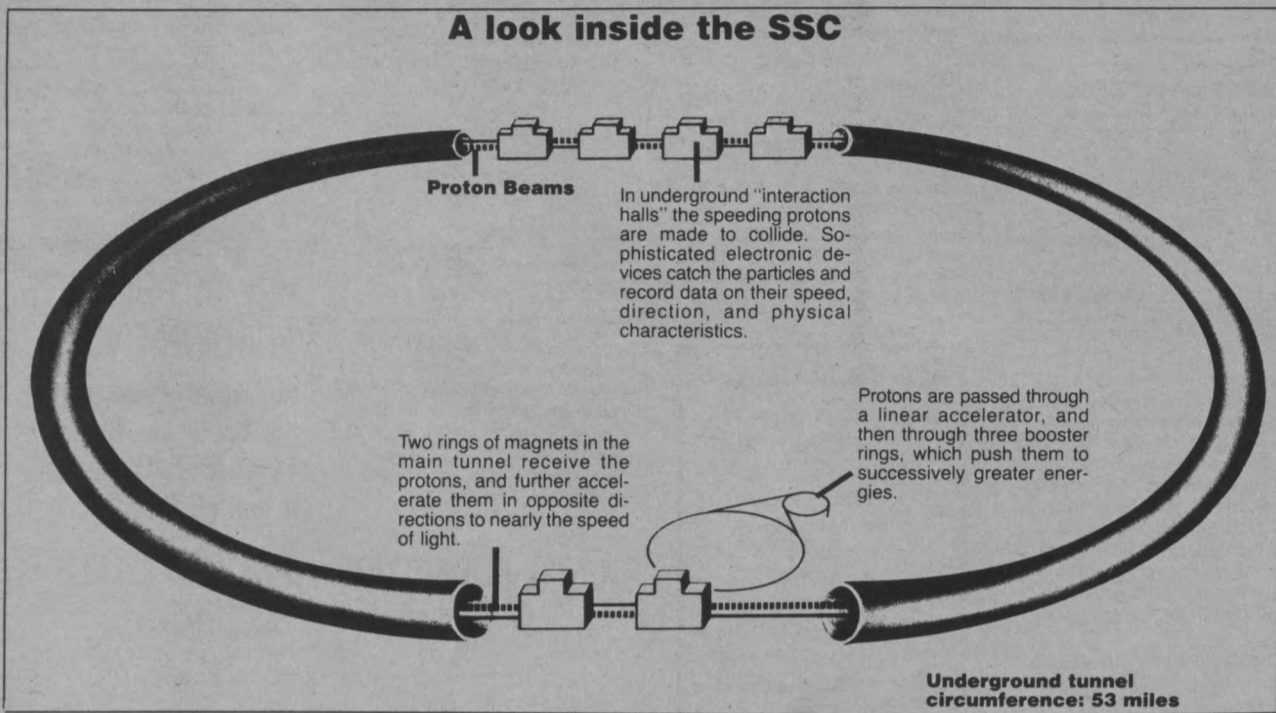
Using more than 10,000 superconducting magnets, the SSC will race protons around the underground track at speeds near that of light and force them into head-on collisions. Scientists hope these minute particles will break into yet smaller forms of matter, providing a greater understanding of the composition of our universe.

Not all applications of superconductors will be this lavish, however. “If the (new) superconductors literally can be developed to the point where they are better than copper or other electronic devices, then you would virtually see them in every phase of the electrical or electronic industries, such as motors, generators, different computers, TVs and so forth. There could be a host of new opportunities that we can not even imagine today,” Intermagnetics General’s Rosner said.

Regarding the money that stands to be made from the new technology, Merrill Lynch consultant Stephen Guy said the implications of the new superconductors are “colossal.”

However, “it’s still a long way from seeing a financial reward,” Guy continued.

“It really will take a concerted effort by both the scientific and the industrial community ... to make (the discoveries) pay off,” Rosner concluded.



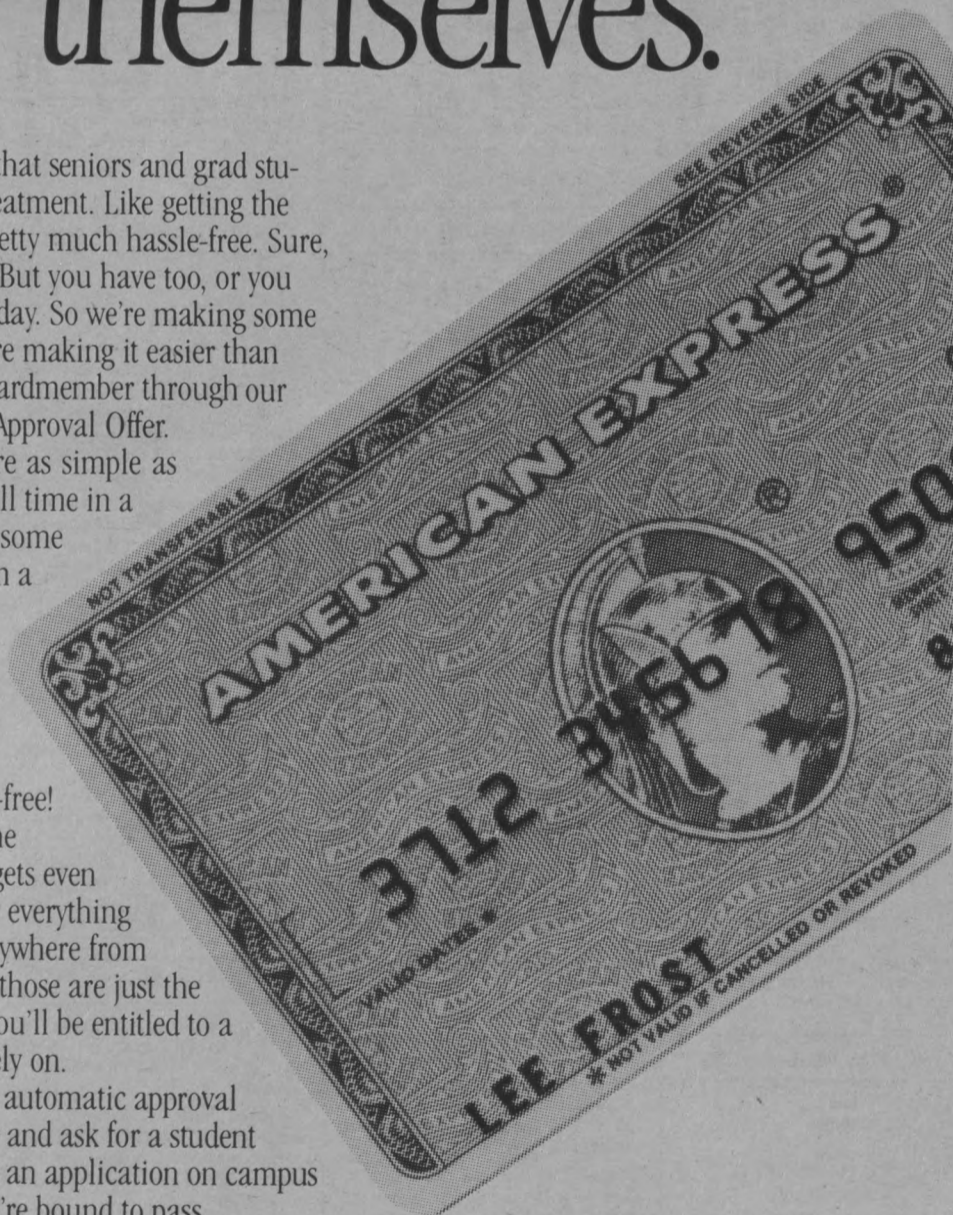
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