

Supes Discuss Local Water Use Problems

By DEBBIE NESTOR
Nexus Staff Writer

The Santa Barbara County Board of Supervisors discussed means of resolving a conflict between the Goleta Valley Water District and other local agencies arising from the district's exceeding its annual water allotment from Cachuma Lake at a meeting Monday.

Earlier this month, the district exceeded its permissible water usage from the lake for the year ending May 14. The district then began to borrow against next year's supply, Jim Stubchaer, head engineer for the county water project, said.

Other local water districts brought this to the board's attention because they are concerned Goleta will be unable to repay the water and will ask for additional loans in future years, Goleta Water Board Director Gary McFarland said. "The other agencies are concerned that it will cause the safe yield of the project to fail in times of drought."

McFarland defended the district's recent action by arguing it was the only way the district could obtain enough water to serve its community. "We are not taking water because we want to take it away from other agencies," he said. "It's the only way we can serve our people."

Opponents questioned whether or not Goleta has used its resources to their best advantage. Stubchaer said Goleta has delayed production from its "airport well" which would have prevented Goleta from overdrawing its Lake Cachuma allotment.

Goleta has not seemed interested in solving its water problems, Supervisor DeWayne Homdahl said. He mentioned water rationing as a possible solution to the shortage in Goleta.

"Rationing has cut water usage by as much as 30 percent in other south coast districts," Supervisor Robert Kallman said.

"Goleta has had 12 years of an emergency situation and still no rationing," McFarland said. Installing better facilities is a more viable solution to the water shortage, he said. "We need storage tanks and better distribution pipelines."

Goleta Water Board Director Don Weaver said the problem is more complicated. "In the short term we have enough water ... it's the long term I'm worried about," he said. There may not be sufficient reserves for years of drought and local water districts should work together to develop new supplies, he said.

The political situation among the local agencies prevents this from occurring, he said. "We are producing confrontation instead of cooperation." He explained there have been 27 lawsuits involving the Goleta Water District and this has created an atmosphere of confrontation.

One of these lawsuits encouraged the present situation, McFarland said. The district is currently suing other local districts to block the use of state funds for local projects.

In a 5-0 vote, the board resolved to allow the Goleta Valley Water District to prove it will have enough resources to repay the water it has borrowed from the Cachuma reservoir and have sufficient supplies in the future.



DANA PEPPER/Nexus

Doug C. Holmes takes to the air to show he cares for campus art found in the square.

Laws Seek To Assure Safe Drinking Water

By JACQUELYN AFFONSO
Sacramento Correspondent
To assure safe drinking water for Californians, the state has begun its effort to register all underground hazardous waste containers.

Under a new law enacted Jan. 1, individuals storing underground hazardous waste containers are now required to register them with the State Water Resources Control Board by July 1. Farm fuel vehicle tanks have until Oct. 1, 1984. The state water board has sent out 50,000 registration forms to California businesses and local officials. The law, authored by Assemblymember Dominic Cortese (D-San Jose), is the first of a two-part program designed to limit and control underground water pollution caused by leakage of toxic containers and tanks.

A second law, specifying the regulation of hazardous waste underground tanks, mandates for county and city officials to uphold

safety standards established by the board for existing and newly constructed tanks. Authored by Assemblymember Byron Sher (D-Mountain View), the law also requires leak detection equipment for all tanks. In addition, toxic spills must be reported to city or county officials, and tanks will be inspected once every three years.

Water Board Chair Carole Onorato and the two legislators kicked off the program at a news conference Monday.

Cortese described the program as "one of the largest water pollution control efforts ever undertaken by the California government." Onorato added, "It will be an invaluable tool for protecting groundwater resources that supply 40 percent of the California water supply."

It is estimated there are 100,000 to 200,000 facilities storing hazardous waste in California. "Every community in this country has underground storage of petroleum products," Sher said.

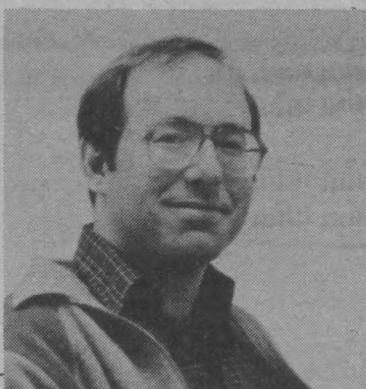
In Santa Clara, county water quality officials have found leakages of toxic industrial chemicals into the underlying groundwater. The law specifies almost all chemicals as hazardous to the water supply, including gasoline, diesel fuel, industrial solvents and waste.

Many local regulatory programs have already been established. "We've received great cooperation from industry and local government," Onorato said.

Owners who fail to file registration forms will be subject to fines of \$500 to \$5,000 a day for each day they have failed to file after the deadline. There is a \$2,000 to \$20,000 a day fine if false information goes uncorrected. A \$10 filing fee will be used to meet program costs.

Information requested on the forms includes owner's name and address, emergency contact person, description of substances storage, and leak detection method.

Injected Rats Excel in Lab Tests Researchers Study Pituitary Hormone



Aaron Ettenberg

By ANTHONY SALAZAR
Nexus Reporter

Research using laboratory animals has revealed that the hormone vasopressin may stimulate learning and memory, Aaron Ettenberg, UCSB assistant professor of Biopsychology, said.

Vasopressin is produced by the pituitary gland, an organ located at the base of the brain which secretes hormones into the bloodstream.

Ettenberg's research is conducted on rats, but other researchers have used a synthetic derivative of vasopressin on people. The difference between vasopressin and the derivative is the latter does not cause constriction of the veins as the former can, Ettenberg said.

"This type of research was first begun by scientists in the Netherlands, and wasn't noticed in this country until four or five years ago. I have to find out how the brain stores memory. I don't intend to take the vasopressin out into the markets; my job is to find out if the stuff works," Ettenberg said.

It was discovered that rats injected with vasopressin have a better memory than those that were not. The rats are put through various tests, one of which places the rat in a room where it must find hidden food. After the rat finds the food, it is injected with vasopressin and put back in the room with the food hidden in the same place. The rats with the injection find the food faster than the rats without injections, Ettenberg said.

"Another test that we put the rats through is the Eight Arm Radial Maze," Mark Packard, an honors program student in the Psychology Department, said. "The rat is placed at the center of an eight-chamber structure. The rat has eight choices to go through. At the end of each chamber is some food. The object is that the rat will

(Please turn to pg.9, col.1)

Management Change For La Cumbre

New Editor Plans A Professional Look

By MARNI McENTEE
Nexus Staff Writer

Veteran *La Cumbre* staff member David Rickabaugh has been chosen by the *La Cumbre* Excellence Board as the new editor-in-chief for the 1984-85 yearbook.

Serving as editor will be a challenge, Rickabaugh said, "I'm looking forward to it. My goal is to make it as professional as possible."

The yearbook serves a special function for UCSB students, Rickabaugh said. "It is a photographic record, a history book that serves students who can look back and remember things that happened."

Rickabaugh has been on the *La Cumbre* staff for the past two years, first as Activities editor, then as Greek editor this year. He is also Public Relations Chair for the Interfraternity Council, on the selection committee for the summer orientation staff, and serves as a campus tour guide.

Rickabaugh's direct yearbook experience includes two years on his high school yearbook, he said. In addition, he has worked for two printing companies and an advertising agency. "I was exposed to a lot of creative ideas as far as how to design a publication," he said. "I was schooled in being a perfectionist."

At present, Rickabaugh intends to delegate responsibility to people effectively, making sure the job gets done. "I won't use one or two people or do it all myself."

The yearbook staff should be a cohesive group, and Rickabaugh



David Rickabaugh

hopes to arrange "a few different social functions" to make the work seem less like only a job, he said.

Recruiting a good staff is one of the most important jobs for a new editor, Rickabaugh said. "I'm hoping to get people interested — and they will be well-rewarded. I'm not necessarily looking for people with experience, it's more a willingness and a sense of dedication. Anyone who wants to help out, we can put them to work."

There are several things Rickabaugh thinks will make next year's *La Cumbre* a success. "I demand a good overall design, top-notch photography, and good and informative copy," he said. He would like to include innovative ideas, such as the "picture yourself" addition this year, features on special events and on notable people, and "somehow more thoroughly cover campus issues," such as the Bicycle Education Safety Team controversy this year.

The Communication Ballot Measure's passage is a great asset to the production of *La Cumbre*, Rickabaugh said. "This will allow a decrease in the price of the yearbook, maybe \$12, and the book goes up in quality. It will enable me to get some equipment, and will increase the efficiency of the staff, which will be evident in the production."

Rickabaugh is looking into remodeling the *La Cumbre* offices, which are only three small, separated rooms, he said. He would like to knock out one wall to enlarge the room and make a better working space.

headliners

From The Associated Press
Wire Editor — Dina Kyriakidou

Nation

Solomon Amendment

Washington — An apparently sympathetic Supreme Court was told Monday the government is not inflicting unconstitutional punishment by denying federal aid to male college students who fail to register for the draft.

Solicitor General Rex Lee defended a 1982 law disqualifying non-registrants from receiving aid. He said the law legitimately was designed to coax students to register with the Selective Service.

A federal judge in 1982 declared the law unconstitutional, ruling it was an unlawful form of punishment imposed by Congress.

Lee, the government's chief courtroom lawyer, said the purpose of the law was "not to catch wrongdoers, but to increase the number (of young men) on the registration rolls."

Honolulu — U.S. officials are optimistic that President Reagan and Chinese leaders will be able to sign an interim agreement on commercial nuclear cooperation between their two nations when the president visits China later this week.

But there would "have to be a firm commitment" from the Chinese to work out differences over the handling of nuclear waste products, said a senior administrative official traveling with Reagan.

The president was conferring Monday with aides and receiving a briefing on the Soviet military buildup in the Pacific region, in preparation for his meetings in Peking.

Washington — Government scientists have found the virus that probably causes AIDS, a discovery that has led to a blood test for the deadly disease and the possibility of developing a vaccine within two or three years, federal health officials announced Monday.

"The probable cause of AIDS has been found," Health and Human Services Secretary Margarey M. Heckler told a news conference.

Isolating the virus and developing a process to mass-produce it led to a test that should detect AIDS — Acquired Immune Deficiency Syndrome — in victims even before symptoms arise and tell if donated blood supplies are contaminated with the virus.

Washington — The Supreme Court agreed Monday to decide whether states may bar out-of-state lawyers from regularly practicing law within their borders.

The court said Monday it will review rulings that such a residency rule in New Hampshire was unconstitutional.

About half the states impose residency requirements, in varying fashion, for the legal profession. The court's eventual decision, expected sometime next year, could affect those rules as well.

Tucson — Ansel Adams, regarded as one of the foremost photographers of the 20th century, was instrumental in creating the University of Arizona's Center for Creative Photography, a prominent institution for the study of photography as art.

Adams, who died Sunday night at age 82 of natural causes in a Monterey, Calif., hospital, was co-founder of the center in 1975 with former university president John P. Schaefer, and his negatives, prints and papers were among the first purchased by it.

World

Libyan Student Deported From Britain

London, Great Britain — Police investigating the shooting at the Libyan Embassy deported a Libyan student on Monday, saying he was involved in "covert activity." The day after Britain severed relations with Libya, diplomats in the capitals of both countries prepared to evacuate their embassies.

Libyan personnel at the besieged embassy in London, who have until midnight to leave the country, cabled their leader Col.

Moammar Khadafy pledging "to defend our principles and aims ... or die in the process," the official Libyan news agency said.

There was no clear assurance from Libya that those holed up inside the mission would come out peacefully.

San Salvadore, El Salvador — The government is hoping for another big turnout for the presidential runoff May 6

between moderate Jose Napoleon Duarte and ultra-conservative Roberto d'Aubuisson.

In the other two elections since El Salvador's civil war started in 1979, voters lined up by the tens of thousands.

A big turnout for the March 1982 elections for a Constituent Assembly was considered a propaganda victory for the government, which promoted voting as a way to show their desire for peace. It was also seen as a

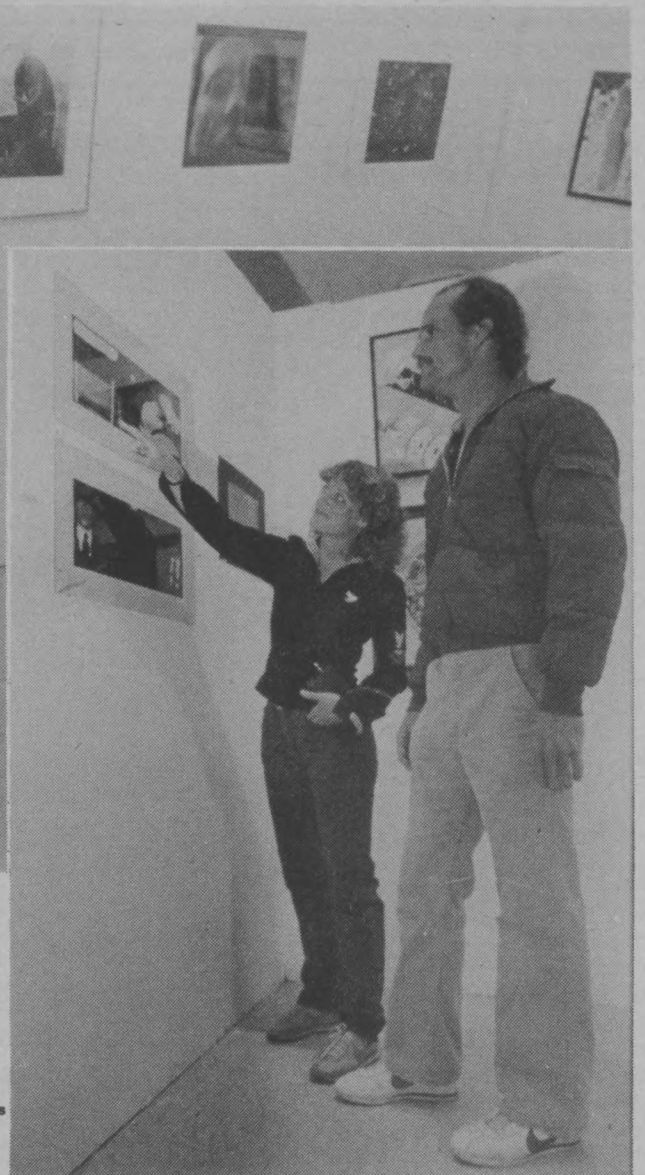
display of ordinary Salvadorans' defiance of left-wing guerrillas who oppose the elections and refused to run candidates.

Lausanne, Switzerland — The president of the International Olympic Committee said Monday he was hopeful a solution could be reached when top U.S. and Soviet Olympic committee officials attend a special IOC meeting to hear Soviet complaints about the Los Angeles Games.



"Visions of 1984," a collection of over 60 sketches, photographs, and paintings presenting American, British and Canadian artists' view of life in the 1980s, will be on display in the UCen Gallery through May 6. Over 50 artists have contributed, with \$1,000 in cash prizes awarded to top artists.

MITCH VICINO/Nexus



State

Diablo Test Delay

San Luis Obispo — A leaky coolant pump will delay the startup of the embattled Diablo Nuclear power plant to the "end of this week," a Pacific Gas & Electric spokesperson said Monday.

Technicians began repairing the seal of one of four coolant pumps on the Unit 1 reactor at the plant Monday, a job that was expected to take 12 hours, PG&E spokesperson George Sarkisian said.

Aside from the coolant pump leak, "everything has run very smoothly," he said.

Anti-nuclear activists said Monday the coolant pump leak is indicative of what they have claimed all along: the plant is unsafe.

"Had the plant been operating at low power (when the leak developed), it would have leaked radioactive steam and water," Abalone Alliance spokesperson Pam Metcalf said.

"What they consider business as usual, we consider disaster," Metcalf said.

Los Angeles — U.S. Information Agency Director Charles Wick, in apparent violation of state law, taped "two or

three" phone calls on some days when he was in Bel-Air working on President Reagan's 1980 election campaign, his former secretary said Monday.

The secretary, Natalie Bellick, said Wick never notified the other party of the taping from his office and there were no weeks "in which he did not tape at all."

Bellick worked for Wick four, and sometimes five, days in a week from March until July 1980, she said. During that time, she said, Wick kept a tape recorder on his desk and would attach a microphone to his telephone with a suction cup whenever he wanted to record a conversation.

Sacramento — More than 50,000 registration notices have been mailed to the owners or operators of California's underground storage tanks in an effort to keep poisons from seeping into drinking water.

The registration is required by a new state law aimed at creating a statewide inventory of tanks containing hazardous materials — mainly fuels, solvents, chemical wastes and acids. The measure was AB2013 by Assembly member Dominic Cortese, D-San Jose.

A related bill, AB1362 by Assembly member Byron Sher, D-Palo Alto, requires double-walled tanks and intensified local inspections.

WEATHER — The day will be fair and sunny but a little cooler. The temperature highs will be 67 to 73 and the lows 47 to 52.

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The Daily Nexus is published by the Press Council and partially funded through the Associated Students of the University of California, Santa Barbara daily except Saturday and Sunday during the school year, weekly in summer session.

Second Class Postage paid at Santa Barbara CA Post Office Publication No. USPS 775-300.

Mail Subscription price \$30.00 per year, \$15.00 per quarter, payable to the Daily Nexus, Thomas M. Storke Communications Building, P.O. Box 13402, Santa Barbara, CA 93107.

Editorial Office 1036 Storke Bldg., Phone 961-2891.

Advertising Office 1041 Storke Bldg., Phone 961-3828.

Printed by Santa Barbara News-Press.

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Professor Receives Funds To Continue Research

By KIM EAMES
Nexus Reporter

Assistant Professor of Chemistry Bruce Lipshutz has received a research grant for \$25,000 through the Alfred P. Sloan Foundation Fellowship to continue his original research in organic chemistry at UCSB.

Lipshutz will be using the grant to promote further research into synthesizing naturally-occurring compounds which ward off certain diseases, like leukemia.

Lipshutz is attempting to replicate in his laboratory compounds that are produced naturally.

The primary goals of this kind of research are expanding new areas of chemistry not before discovered and deriving potential cures for cancer, Keith McCarthy, one of the eight graduate students working closely with Lipshutz, said.

Recently produced compounds attack body cells as well as cancer cells, so it is crucial to find a substance that would only attack the diseased cells, he said.

"Biological testing in this way is a risk, but it's an exciting risk," Lipshutz said. "The main objective is to develop synthetic methods to produce large quantities of compounds. Only then can we accurately

assess their capabilities."

The three compounds Lipshutz and his colleagues have been trying to produce are antibiotic, antifungal and antitumor agents, he said. More than 100 known compounds of "cyclopeptide alkaloids" have been found in nature showing the potential to act as antibiotics.

New anti-fungal compounds could help ward off diseases, while new anti-tumor compounds could effectively destroy unwanted cells, he said. Antitumor compounds are composed of enzymes which consist of polypeptides, or strings of amino acids with distinctively linked bases, Lipshutz explained.

In nature, these bases naturally link up to one another. In the laboratory, most experiments develop only one base and reject the other side. Lipshutz is striving to retain both sides to derive optically pure material.

"It's like a lock and key with enzymes," Lipshutz said. "If you use your hands as an analogy, you can't superimpose your left hand on your right hand because they aren't equal. But if you get the mirror image of your hand, you could line them up." This strategy has been used in Europe to treat leukemia, he said.

Second-Hand Problems

Studies Say Non-smokers Harmed By Smoke Intake

By YVONNE PETERSEN
Nexus Reporter

The concentrations of toxins in the smoke coming from a cigarette is 50 to 100 percent higher than that which is inhaled by the smoker, Associate Professor of Medicine at U.C. San Francisco Stanton Glantz said, explaining the problems non-smokers face due to contact with smokers.

Children and infants of smoking parents develop more health problems than children of non-smoking parents, Glantz said. "These medical problems include higher incidences of sickness, and hospitalization and diseases such as bronchitis, asthma and sudden infant death syndrome."

The increase in medical problems is related to the amount of exposure one has to cigarette smoke. A 1979 study showed a child with

two parents who smoked had a higher increase in deterioration of lung functions than a child with only one parent who smoked, Carol McLennan, president of Stamp Out Side-Stream Smoke of Santa Barbara, said.

A 14-year study in Japan, ending in 1981, noted wives with husbands smoking over one pack a day were 2.4 times more likely to have lung cancer than wives of non-smokers, McLennan said.

Working in a smoke-filled area also causes increased health problems, Glantz said. "Evidence has shown that a non-smoker working in a smoky area has almost equivalent effects to their health as does a light smoker."

Cigarette smoke is the major source of exposure to toxins for most people, Glantz said. It is the main

irritant of smokers and non-smokers, McLennan said.

"Side-stream smoke (that which comes off the burning end of a cigarette) contains 96 percent of the gases and particulates produced by a cigarette," McLennan said. Of the gaseous elements, side-stream smoke has five times the amount of carbon monoxide of the mainstream smoke (smoke inhaled by the smoker), and higher concentrations of formaldehyde, nitrogen dioxide and acetylaldehyde, she said.

Carbon monoxide prevents the release of oxygen in hemoglobin, formaldehyde (Please turn to pg.12, col.1)

Lipshutz began his research when he first arrived at UCSB. One goal of his during this time has been to reach the non-scientific community as well as the scientific community, he said.

"When your future is on the line, you have good ideas," Lipshutz said. "It's ideal for me to reach the larger audiences. This is something I'm striving for now that I've received the award to back me up."

McCarthy feels Lipshutz is very motivated in discovering new compounds and obtaining funds for further research. "He works hard on trying to generate a lot of research grants for his graduate students although the government has limited money

for research."

Lipshutz received his doctorate degree from Yale in 1977 and went on to do his post-doctoral research at Harvard until 1979. The American Cancer Society granted him a Junior Faculty Research Award from 1981 to 1983 so he could do research full time.

The New York-based Sloan Foundation Fellowship began in 1955 to encourage young scholars to pursue their research when other support was hard to obtain. The fellowship selects young scientists and economists who show the most promise in exhibiting original work in their fields. The Sloan Foundation has spent \$40 million over the last 29 years.

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Smoke Gets In Your Eyes

The adverse effects of cigarette smoking have been well publicized since the Surgeon General's 1964 report, *Smoking and Health*, but only recently have the effects of cigarette smoke on nonsmokers been thoroughly investigated.

A 1980 report in the *New England Journal of Medicine* concluded that, "chronic exposure to tobacco smoke in the work environment is deleterious (that's harmful to the mind or body) to the nonsmoker, and significantly reduces small-airways function." The same report found the pulmonary effects of long-term passive smoking (involuntary inhalation of tobacco smoke by nonsmokers) equal to those experienced by light smokers or smokers who do not inhale. Until this report, almost all evidence regarding smoking had come from studies on voluntary smokers. Recent studies have indicated, however, that sidestream smoke from the lighted end may be much more harmful than what the smoker inhales.

According to the American Lung Association, sidestream smoke can contain twice as much tar and nicotine as mainstream smoke, which is drawn from the cigarette. Ammonia, cadmium, and other toxic compounds are also present in greater concentration in sidestream smoke. But the most noxious and lethal gas unleashed by tobacco smoke is carbon monoxide (CO). Tests have shown smoke from the burning end of a cigarette has five times the amount of CO as mainstream smoke.

When you inhale CO, it forms a new compound with red blood cells called carboxyhemoglobin. As the amount of this compound increases, the body gets robbed of more and more oxygen, causing headaches, irritation, and, in the long run, pulmonary disorders. The negative possibilities are greater for babies and young children, who breathe faster than adults, taking in more toxins than their smoking parents.

In industry, the maximum allowed concentration of CO cannot exceed 50 parts per million (ppm). Studies have found the smoking of seven cigarettes in an hour, even in a ventilated room, creates CO levels of 20 ppm. In the seat next to the smoker, the level can reach 90 ppm, nearly twice the industry standard. With numbers like these, it is easy to see why nonsmokers have recently been vocalizing their disaffection with smoke-filled working environments.

San Francisco residents voted last year to regulate smoking in public places and protect nonsmoking office workers from second-hand inhalation. A similar ordinance is now being considered for Santa Barbara. The ordinance would "prohibit the smoking of tobacco, or any weed or plant, in public places and places of employment, except in designated smoking areas."

The Tobacco Institute, the tobacco industry's lobbying organization, is, of course, opposed to such legislation. They have spent large amounts of money on anti-nonsmoker campaigns in recent years and are a powerful group.

One Tobacco Institute advertisement states, "In our view, smoking is an adult custom and the decision to smoke should be based on mature and informed individual freedom of choice." Noble sentiments to be sure, but the "adults" in this organization obviously have little concern for the "freedom of choice" of the nonsmoker whose lungs have long been inundated with unwanted fumes.



LETTERS

Flawed

Editor, Daily Nexus:

So graduate student Thomas Clifford, working under economist Walter Mead, concludes that nuclear power's external costs are 113 times cheaper than coal ("Economists Evaluate Nuclear Power," April 10).

Until I've examined Clifford's little report in detail, I can't criticize too severely, but just from his published quotes it sounds as if the work is seriously flawed.

All scholarly work begins with assumptions. To arrive at the figure that Clifford and Mead come up with, one must start with assumptions about the total magnitude of a nuclear accident and the probability of an accident.

Clifford acknowledged the need for these assumptions. He also indicates that he used very dubious ones. He based his study upon figures in the Reactor Safety Study (RSS) of 1975 (WASH-1400, the Rasmussen Study.) Ordered by the Atomic Energy Commission, WASH-1400 has been intensely criticized for bias and incompetence.

In 1979, the NRC withdrew its support from WASH-1400. The NRC specifically repudiated the Executive Summary; agreed that peer review of the RSS had been inadequate, and announced that the NRC no longer regarded "as reliable the Reactor Safety Study's numerical estimate of the overall risk of (a) reactor accident.

What are the probabilities of a nuclear accident? Much greater than the RSS predicted. It said, for example that a Three Mile Island-type accident would occur about once every

10,000 reactor years; in fact, it happened with only 560 reactor years of experience. And an Oak Ridge Laboratory report in 1982 found that 169 reactor accidents from 1969 to 1979 had potential for causing a meltdown — a far higher figure than predicted by the RSS.

Clifford notes that the RSS said that the worst possible accident would cause 3,000 prompt deaths and 20,000 delayed deaths. In fact, the Sandia National Laboratories, under the NRC, found in 1972 that a worst-case accident would kill 100,000 people and cause \$314 billion in damage.

The bottom line is that Clifford and Mead substantially overstate the safety of nuclear power, and thus understate its costs.

Roger Keeling

Monster

Editor, Daily Nexus:

In a letter published in the April 17 Nexus, Paul Dechant complains that he must sit "night after night" in the terminal room instead of devoting his time to more gratifying occupations. I checked my lists: he is not in any of my classes. Good; nobody likes to feel like a monster...

The part of his letter that worries me more, however, is the question which he asks: "Is this the price I must pay for a decent grade in a major which promises a healthy salary?" I appreciate Dechant's frankness, and I have no doubt that it reflects a common view of what majoring in Computer Science is all about, but still, I find this definition bothering. Is it really so that the only argument for choosing a scientific or engineering major is the

prospect of making big bucks? How sad! There is so much more to it.

How about intellectual challenges? I may have some ground to speak about this, since as a student I was what in the U.S. would be called a double major, and got degrees both in science and the humanities. I can testify that the choice between the two is not a matter of greed alone; the borderline between "vocational" and "educational" is not that clear. There is cultural value in science, too! The sheer excitement of entering a new scientific field like computer science, where so much remains to be discovered, is my view of a good enough motivation. By the way, one of the challenges that people in my field (software engineering) are tackling has something to do with Mr. Dechant's frustration: does programming have to be such a trauma? Can we find a way to deal with problems so that people don't have to sit "night after night" to get their programs running? In fact, some of our teaching is already concerned with this. It's called programming methodology and I am sure it can help.

Now think about what computers really are: one of the most fabulous kind of machines ever devised by mankind, but different from all the machines invented before in that they can solve not just one problem, but any problem which is presented to them, provided the problem and the solution technique can be described in complete detail. A computer is thus more of a "meta-machine," and computer science is really the science of problem-solving. How do we master this power and put it to good use? Doesn't this present some challenges worthy of devoting part of your life to them? I think it does and I hope some of my teaching is

able to convey, however imperfectly, this excitement.

There is nothing wrong in considering the potential financial rewards when choosing a major. I would hate to think, however, that all our students are sitting there just because they or their parents have read in *Time* or *Fortune* magazine that one may get rich by going into software.

Bertrand Meyer
Visiting Professor
Computer Science Dept.

Change?

Editor, Daily Nexus:

Aside from Bart Brown's error about when Paul Effler ran for office (it was two years ago), his article brought out an excellent point. Do Darryl Neal and Tom Thurlow really stand for change in the Associated Students government? From my observations, they seem very close to the current executives politically. In any case, they seem to be the current executive's desired heirs apparent.

Please don't take my word alone for this. Talk to both sides (I'm sure they'll be more than happy to talk to you) and get the facts. Find out who will change A.S. for the better (if you want to see a change in A.S.) and vote for who you want to represent your interests to the fifth floor of Cheadle Hall, and spend your \$42 annual A.S. fee the way you want it spent. In any case...vote!

Steve Hurd

Vote

Endorsements

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Scott Moors

BLOOM COUNTY

by Berke Breathed



Climate Of Change

By REV. BRUCE WOLLENBERG

The ERA goes down in flames. Phyllis Schlafly roams the land, spreading her retrograde notions. Magazines and video tapes feature violence against women. Sexual harassment continues. True, not all the auspices for the women's movement look bad. Women have made important gains in the corporate world (e.g. we've got Sally Ride to salute!), but it is clear that women, having come a long way, still have a long way to go.

The climate of the country was different during the revolution of the late sixties and early seventies. Then, it was chic to be a

feminist. People of both gender persuasions shared a hunch that the New Society, featuring justice, peace and, surely, equality, could be concocted only if a critical mass of demonstrations brought down the requisite number of oppressive structures and their graybeard guardians.

Now we're in a new mode. We've learned that the Critical Mass theory doesn't work. We're more cynical (and that's not all bad). With former Yuppies leading the way, today's collegians are more likely to be heading for a career in business (much derided in Movement times) than to be heading for the streets. Hip is out, prep is in.

And it's cute, up to a point. When it ceases to be cute is when it represents and legitimizes a mood of fatigue regarding the struggle by women for equal access to power. Thus we are treated to my friend Robin Jellum's disgruntled comments on the exclusionary policies of the Women's Center — a concrete symbol of the success of the revolution.

I contend we need such symbols. And we need them precisely because the revolution isn't finished. Much education has to go on, and much nurturing, before the culture of male dominance disappears and women can walk out of New Bedford bars, tipsy perhaps, but unharmed. Come that day and the Women's Center can become a Peoples Lounge.

Christians have a stake in this. Embedded

by Baptism into the universal Christ, they gather at a Table where all differences are subsumed under their common status as "apple-eaters," and in their common redemption, they leave that Table in pursuit of shalom, of justice, of the Peaceable Kingdom, in which diversity is celebrated, but in which no one pays a price for being one thing rather than another...gay instead of straight, black instead of white, female instead of male.

Because Christians have a Center who sets before them the Kingdom, they should support the Women's Center, with all the pain and brokenness it represents. They have the promise of Christ, broken yet risen, that he is with them in their — and their sisters' — struggle.

The Rev. Bruce Wollenberg is Lutheran Campus Pastor

Marketwatch

The Nuclear Utility Front

Negative news, particularly on the nuclear utility front, has recently flooded the market, driving stock prices sharply lower. Numerous additional developments are anticipated in the next several weeks, including licensing decisions, audits, rate cases, and new construction cost estimates — which could cause prices to fall even lower.

However, following the announcement by the auditors of Public Service Company of New Hampshire that bankruptcy could be

imminent, a broad-based sell-off occurred across the utility group. Many stocks hit new 52-week lows; others traded to within a fraction of historical lows. This reflects the market's negative appraisal of these stocks.

The price declines have also affected many stocks of electric utility companies with manageable projects, or, in some cases, no nuclear construction projects at all. For the investor with a longer-term investment horizon, some price-battered, good quality stocks may be ripe for acquisition.

The market for electric utility stocks might be a volatile one over the next several months. Investors who are "buying dividends" and dividend growth should consider this sell-off as a purchasing opportunity. Short-term investors probably should be advised to continue to avoid the electric utility group.

While many other lower quality utility shares have experienced far more serious price drops, it still may be premature to offer "bottom fishing" suggestions; that is to say,

buying stocks that have never been so low because they might not go lower. Value seekers should be very selective in their purchases. When it appears that the market for this group will be calmer, bottom-fishing may become a viable option for investors who wish to seek somewhat higher risk/higher reward stocks.

Nuclear power is a major source of energy in the United States. According to industry statistics, nuclear power generated about 13.5 percent of this country's electricity in 1981. Fur-

thermore, nuclear projects account for a significant portion of planned additions to generating capacity.

Many utilities, however, have chosen not to pursue the nuclear option, and at present they have no installed nuclear capacity, nor do they plan to add any. This decision not to utilize nuclear power may be traced to many factors: an abundant local supply of some other fuel source (i.e., coal, gas, or hydro-power); the size of the company, because a nuclear plant may be too large an undertaking, or simply a management decision that favored other options in power supply

planning.

There are well over twenty such non-nuclear utilities, excluding telephone and gas utilities. For reference, the following is a list of several non-nuclear utilities: Kansas Power & Light, Indianapolis Power & Light, Iowa Power & Light, and Potomac Electric Power. Unless you are a venturesome and fearless investor, it is probably best to look only at the no-nuclear-involvement stocks. For the aggressive investor, it might be time to start researching the industry.

Provided by Steve Kally, Dean Witter Securities

Career Search

The Future Job Outlook

By GINA VANDERVEEN

Living in the midst of a revolution is frightening. Nothing is stable. Society changes fast. You cannot even be sure how you fit into it today, much less where you should be tomorrow.

The current technological revolution is playing a crucial role in developing how our not-so-far-away future is going to look. Yes, everyone says, clearly high-technology industries hold all of the promising jobs. Clearly, if you haven't majored in computer science or electrical engineering, you will suffer in our future world.

Fortunately, our rapidly changing society still has room for people with other interests. The need for high-technology workers will continue to increase, particularly electrical engineers and computer scientists, but Andrew Pollack of the *New York Times* points out that "while the industry will be growing faster than the economy as a whole, it will be starting from a small base. Therefore, the total number of jobs created in high-technology is likely to be small."

The Federal Bureau of Labor Statistics claims that just three to 17 percent of new jobs created between 1983 and 1995 will be in high-technology industries. Technology will indeed be a pace-setter for the future, but it will not create the majority of jobs.

The new technologies are kind of like a new highway being constructed through a town. Jobs do not arise from the building of the highway itself as much as from staffing the businesses that grow around it. The uses and applications of technology in existing and growing industries will be the source of much attention in the future.

Many industries will turn to the new developments to help them compete more effectively. Banks and insurance companies, for example, are relying heavily on computer and communications technology these days. And information processing is coming to play an important role in almost every industry. With the break up of AT&T and the development of new and more complicated methods of communication, most industries will need telecommunications experts to research, engineer, produce and market for them.

Is that it, you ask? Engineers, computer scientists and telecommunications experts? I suppose the rest of us will be janitors? Actually, it does turn out that the greatest number of new work opportunities will be in service occupations rather than in industries that produce goods. This means plenty of openings for secretaries, nurses' aides, sales clerks, cashiers, and, yes, janitors.

Due to the drop in birth rates during the 1960's and early 1970's, the labor force is expected to start growing more slowly, which will ease some of the employment strains. Between 1983 and 1990, the number of young people reaching the working age will drop, so job opportunities will grow faster than the number of those seeking work. But

college graduates still may wind up facing janitor positions. 15 million graduates are expected to enter the labor force during the 1980's — only 12 to 13 million are thought to be needed. This could mean that many of them will take jobs that were not filled by college graduates a decade ago.

Not very encouraging news. Nonetheless, the U.S. Department of Labor offers some more positive forecasts. Here is a brief synopsis of their predictions in a few fields —

Professional and technical will increase 26 percent. This includes highly trained scientists, engineers, physicians, lawyers, ailing pilots and accountants. Health professionals, energy experts, computer analysts and programmers will grow fastest, and teachers and professors are supposed to have fewer opportunities.

Managers and administrators will experience a 21 percent increase. This category includes bank officers, buyers, credit managers, and self-employed business operators.

Clerical workers will grow 27 percent. These are secretaries, bank tellers, bookkeepers, accounting clerks, cashiers and typists. Computer technology will change the skills needed in some of these jobs and may even eliminate others.

Service workers will expand the quickest with a 32 percent projected increase. This group includes such workers as cooks, beauticians, bartenders, firefighters and janitors.

Sales will grow by 28 percent. These are employees of retail stores, manufacturing and wholesale firms, insurance companies, and real estate agents.

Crafts includes jobs for skilled workers like carpenters, tool and die workers, machinists, electricians, and auto mechanics. These occupations will rise by 27 percent.

Production workers will experience a 23 percent increase. Slow growth in some manufacturing industries and automation will hold down demand for workers such as assemblers, production-line painters and welders.

Transportation jobs will grow 26 percent, including drivers of buses, taxis, trucks, trains and forklifts.

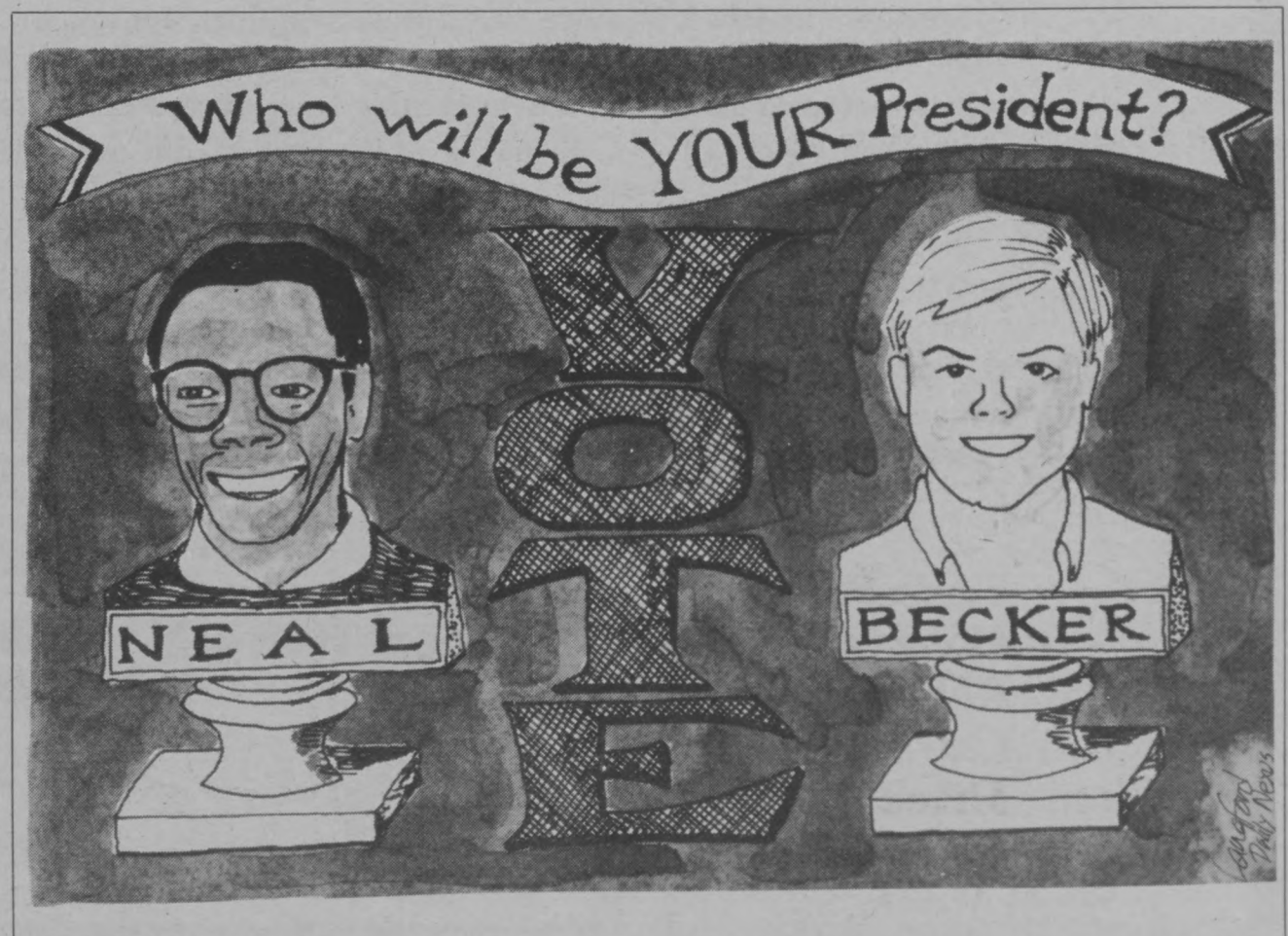
Unskilled labor will grow slowly at 22 percent. These are garbage collectors, construction laborers and freight and stock handlers.

Finally, **farm workers** will experience an 18 percent decline as machinery and chemicals make farming more efficient. Remember, among all these increases, the labor force will be up to 122 to 128 million in 1990 from 105 million in 1980.

It sounds like a lot of fancy predictions, probably leaving most of us very unsure of where we are headed. That is to be expected, we live in a fast moving society. The important thing is that job opportunities do exist and as potential employees, we have to arm ourselves with the proper skills to take advantage of them. New jobs and opportunities are always being created. Cable television and national newspapers would not be expanding industries if satellite technology did not exist.

Being a college graduate is not enough to hand anyone a job. We need to have some knowledge of the work world and some experience in what we want to do. If you need help in this seemingly overwhelming process or just want someone to talk to about it, stop by the Career Resource Room in building 478.

Gina Vanderveen is a Peer Counselor at the Career Resource Center



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University of California at Santa Barbara

Human Powered Vehicle Contest Concludes With A UCSB Victory



UCSB's human powered vehicle team poses with their entry, "The Land Tuna," after the competition at Cal Poly San Luis Obispo.

By MARC APPELL
 Nexus Reporter

Against all odds, UCSB engineering students placed second overall, including a victory in the road race, in the human powered vehicle competition at Cal Poly San Luis Obispo over the weekend of April 13 to 15.

Competition between the Santa Barbara team and the heavily favored Cal Poly team was increased because the two teams were right next to each other in the pits, UCSB student and co-designer of "The Land Tuna" Bryan Levien said.

"When we got there, they (Cal Poly) just laughed at us," Levien said. "They said, 'You're from UCSB? You gotta be

kidding!'"

Levien, a senior engineering student, began work on the vehicle last spring with fellow engineering student Mark Carroll. "I built the bike, and Mark made the fairing (outer covering)," Levien said.

The bike builders let UCSB students Fred Cliff and Ivan Clinton do the actual racing. "The reason we didn't participate in the actual running of the race was because we just wanted to build the thing and then watch it run," Levien said.

The first day of the competition featured the sprint race, held at Paso Robles Airport near Cal Poly. After a half-mile warm-up, each vehicle was timed for two miles. "Our vehicle was driven by Ivan Clinton and traveled 44.2 mph," Levien said.

"The road race was held the next day at Cal Poly and here's where the real amazing part happened," UCSB Junior Tony Micale said. "With Fred Cliff driving, we jumped off the line sixth, had a 20-second lead coming around the first lap, and never looked back."

Micale did not take part in the building of "The Land Tuna," but has already begun work on the vehicle for next year's race and attended the race with his partner Todd Strong.

"Our pit was right next to Cal Poly's (during the road race)," Levien said. "The race was 16 laps, and each lap we increased our lead and I would move closer to Cal Poly's pit and yell to our guys how many laps were left! I think that by the end of the race we had a 40-second lead."

The design competition was right after the sprint race and each vehicle was judged according to style and appearance. "We would have won the whole thing if it wasn't for the design judging," Micale said.

"They (Cal Poly) really decorated theirs up, Levien said. "I guess the judges liked candy and stripes."

"They didn't like the way our bike was designed," Micale said. "But I guess the results of the road race proved them wrong. True, our's was not painted, but it's a machine that works."

"I'd say this is quite an accomplishment for us," Levien said. "We went out there for the first time and kicked their butts. Next year, Todd and Tony will be in charge of another bike and hopefully the race will be held here."

NO TO DEVELOPERS

NO TO RECALL

Dear Goleta Valley Neighbors,

In an unprecedented water board campaign, Jerry Beaver, who is not a resident of this area, has said he will spend \$150,000.00 or more to remove Donna, Ed, and Patricia from office. This far exceeds the amount spent in any previous election effort in our area. Anyone who believes that this group of speculators and developers is spending such a sum due to a sense of moral outrage believes in the tooth fairy. And now they are using this money to implement the tactic of the **BIG LIE**. The idea is simply to lie often and loudly enough with the expectation that some residue of belief will be created.

Students in Isla Vista are being deceived into signing the recall petition by being told that they are signing a petition for rent control. The targeted Board Members are falsely accused of having received huge sums of money from the Water District. The latest and biggest lie of all is the statement in the newspapers that we are out of water.

If Mr. Beaver believes that we are out of water we suggest that he come to Goleta and take a nice shower. Maybe it will help to clean up his act!

Whether these greedy land speculators like it or not, it is a fact that the citizens of this area voted in 1973 to establish restrictions on new water hook-ups. The people who elected Donna, Ed and Patricia need not fear that they will be intimidated by Mr. Beaver and his associated land speculators.

Sincerely,
Harriett Phillips
Chair

Linda Phillips
 Llana Sherman
 Al Wyner
 Carrie Topliffe
 Mike Boyd
 Dave Bearman, M.D.

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Students Work With Professionals To Gain Environmental Awareness

By SHEILA GORMICAN
Nexus Reporter

Students from the United States and Canada will have the opportunity to earn three to 14 units of college credit this summer working with professional researchers on wilderness field study projects.

Wildlands Research, a program offered through San Francisco State University Extension, gives backpacking teams of eight to 12 people the opportunity to work with environmental experts and nationally recognized professionals, Program Director Crandall Bay said.

The 12 organized trips, which range in length from 15 days to eight weeks, concentrate on areas throughout the United States. Participants join research teams to study projects ranging from canoeing down a river, to studying surrounding wildlife, to monitoring elk as they repopulate the Mount St. Helen's blast zone, Crandall said.

"In every program, we aim to accomplish three things: to help a particular area or species, to help the students academically, and to help the participants take an environmental awareness home with them," Bay said.

This non-profit, self-supporting program was started six years ago by Bay, who was working in land-use planning and management at the time, and saw a need for involving students. "My work offered the perfect opportunity for a group of students with similar interests to study specific areas and supplement their theoretical, classroom learning," Bay said.

"The field is the place to gain experience you can't get from just reading a textbook, and the programs are the perfect time to explore projects in a hands-on way that just isn't possible during a regular school quarter," Bay said. The students gain experience in wildlife monitoring, vegetation sampling, surveying ancient archeological sites, mapping and tracking, and preparing team reports.

An important part of Wildlands Research involves gathering information for the National Wildlife Federation, United States Forest Service, local decision makers, and

the United States Congress, Bay said. The students in each project read proposals for future uses of the particular area they will study and, after their own research, provide team reports and recommendations for land management, he said. The impact of proposed roads, dams or pipelines, the economic consequences of timber sales, and the practicality of preserving a "wild and scenic" attraction are included in the recommendation.

Two UCSB students, Richard Jehle and Derek Olsen, spent last summer working with Wildlands Research in Montana. Both of their projects revolved around the conflict that arises when opposing groups want to acquire the same plot of land. The students had to determine whether the land in question fit the criteria set forth for a wilderness or development location.

Correction

In an April 23 story concerning funds for EOP relocation, it was reported that the Registration Advisory Committee had approved a \$150,000 request for the relocation. The dollar figure should have read \$500,000. The Nexus regrets the error.

In the same issue, it was reported that the Atlantic Richfield Foundation gave the Marine Science Institute a \$160,000 grant. In actuality, the foundation gave MSI only \$100,000.

KIOSK

BADMINTON: Sign-ups have begun for intramural badminton tournament on Sun., April 29. Come sharpen your skills, Wed. nights, 8 p.m. to 10:30 p.m., Rob Gym, bring own racket.

GLSU: Coffeehouse, 8 p.m., Cafe Interim. All welcome, confidentiality always respected.

SCUBA CLUB MEETING: 6 p.m., UCen rm. 2. Sign up for boat trip to Channel Islands and club trip to Catalina. Everyone welcome.

BLACK BROADCASTERS ASSOC.: Meeting, 5:30 to 6:30 p.m., UCen rm. 3.

"A PROGRESS REPORT ON ELECTRONIC DISPLAYS": Lecture by Robert Adler, Regent's Lecturer, 4 p.m., Girvetz 1004. Sponsored by Arts & Lectures.

"CHILDREN'S PLAY AND ITS IMPACT ON LATER ADULT RELATIONSHIPS": Lecture by Janet Lever, 5:30 p.m., UCen Pav. Sponsored by Arts & Lectures.

PAINTINGS AND DRAWINGS DISPLAYED: Art work by Eun-Ju-Kang, graduating senior. Reception, 5 p.m.-7 p.m., Creative Studies Art Gallery, Bldg. 494.

COMMUNICATIONS CLUB: Kate Silsbury will speak on internships available for Communication students. 5:30 p.m. to 6:30 p.m., UCen rm. 1. All welcome.

Dear Freddy-Bob

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Academic Fellowships Offer Graduate Students Research Opportunities

By ROBIN MOTOOKA
 Nexus Reporter

Four UCSB graduate students have been awarded academic fellowships for research in biology, geology and anthropology by the National Science Foundation.

The award recipients are Bill Chadwick and Daniel Seaver in the Geology Department, Nancy Sanders in the Biology Department, and Darey Bruce Berry in the Anthropology Department.

"It's definitely pretty exciting," Chadwick, a first year graduate student said. "I applied last year and didn't get it. You can apply the year before you enter graduate school or the first year you are in school," he said.

The fellowships will provide the students with \$4,900 a year for tuition and \$8,100 for living expenses.

"I will be using it for basic living expenses at first, then related expenditures for my thesis," Chadwick said.

Chadwick is studying volcanology, and hopes to go to Hawaii this summer to continue his work. "I am interested in volcanos and how they work, I want to get a better understanding of them so we can make better predictions," he said.

Daniel Seavers is also a first-year graduate student.

"The award is to promote individual research," Seaver said. "I will use it for living and the cost involved with trying to get data."

Seavers is a Masters degree candidate studying active tectonics. "It's (active tectonics) the stuff that is happening now. Movements within the earth are happening now. Active is in the sense that it has had movement within the last 100,000 years," he said.

Seaver plans to spend about two or

three years to finish his Masters degree. His eventual goal is to either be a geology teacher or researcher. "Those awards are hard to get, so I think it reflects well upon his talents," Seaver's graduate adviser Edward Keller, an Associate Professor of Geology, said.

Nancy Sanders is a Ph.D. candidate studying the respiratory physiology of deep-sea animals. Sanders plans to pursue her specialization work with crustaceans.

"Hopefully, I can finish within three years," Sanders said. "Eventually, I want to end up in teaching or in a research position in a university."

"It is an honor for her and the department," said James Childress, a Zoology professor and Sanders' main graduate adviser. "It also gives her financial security."

Berry, a second-year graduate student is the recipient of a Deutsche Akademischer Austauschdienst, a German Academic Exchange Service Fellowship. This includes a stipend to spend one year at a German university, "I will receive a monthly amount plus insurance, book money and air fare," Berry said.

Berry will work on her second year paper in Germany, which is one of the requirements for a Masters degree. "I will be studying research projects in Paleolithic architecture," Berry said.

"I want a Ph.D. to be a professor in my field — which is upper paleolithic architecture," Berry said.

"I am so happy that she will have the opportunity and also that she will be representing the university," Berry's main graduate adviser, Associate Professor of Anthropology Michael Jochim said.

Planning Association Internships

Monday, April 30, is the deadline for Citizens Planning Association 1984-85 paid internships. Students who will be completing their final undergraduate year next fall are eligible if they are majoring in: Environmental Studies, Political Science, Economics, Geography or Sociology and have an accumulated GPA of at least 3.2.

Student(s) selected for the Fall Quarter program will receive \$400 and eligibility to earn up to eight units of

course credit upon successful completion of the internship.

Interns will work directly with public officials and staff of the City of Santa Barbara, the County of Santa Barbara, the Area Planning Council, or the offices of State Assemblymember and Senator. Previous areas of study have included public policy on: air quality, water, off-shore oil development, housing supply and availability, traffic, agricultural zoning and conversion, etc. CPA is

publishing the work of its most recent intern this spring.

Applications and information about the internship can be obtained from the undergraduate Advisor and/or Department Offices for: Environmental Studies, Political Science, Sociology, Economics or Geography. Interested students can call 966-3979 between 9 and 5 p.m. for further information. Applications due, Monday, April 30 at 5 p.m. Recipient(s) announced May 15.

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Pre-Business Economics*
Pre-Economics*

... will be considering petitions for change of major THIS QUARTER ONLY. If you wish to be considered, pick up a change-of-major petition in the office of your college or the department you wish to enter. You'll need to follow full instructions given at that time, and SUBMIT YOUR COMPLETED REQUEST NO LATER THAN FRIDAY, APRIL 27.

Each department will rank petitioners and select from the highest-ranking candidates as many as it can accommodate. For all students who submit their petitions and supporting documentation by April 27, quality of performance rather than date of submission will be used in determining admission.

* If you were admitted to UCSB prior to Fall 1983, you are not bound by this restriction - see department.

Vasopressin Increases Memory...

(Continued from front page) go through. At the end of each chamber is some food. The object is that the rat will go through and find all the food. When the vasopressin is injected, the rat will remember where the food is

and spend less time finding it."

"It is unknown why the vasopressin stimulates the increase of learning," Ettenberg said. "A factor to keep in mind is that stress

would cause the release of the hormone."

"The effects of the vasopressin on the rats are that they will experience high blood pressure and will heavily pant. This occurs for about 45 minutes. After that, they will return to their normal state, and the vasopressin will cause them to remember when it comes time for the tests," Packard said.

Researchers have been experimenting with different animals to determine if vasopressin has the same effects. In Santa Barbara, experiments were done on rats, while in San Diego, the test was performed with monkeys, dogs and cats, Ettenberg said.

Packard said the vasopressin will soon be injected into the brains of rats, whereas currently it is injected under the skin.

"I don't want anyone, especially the media, to think that we have a miracle for memory. It is too early to tell whether or not there will be any benefits. We are researchers and we still have further research to do," Ettenberg said.

Students Sought To Assist In Voter Registration Plan

College campuses across the country are the focus of a massive student recruitment drive for an unprecedented voter registration campaign aimed at registering one million low-income voters.

The campaign, "Freedom Summer '84," has already gained wide support from campus organizers and leaders, including students recently selected as paid coordinators. They will launch a recruitment blitz to enroll 5,000 student volunteers who will register voters at public assistance offices, "cheese lines," health clinics and other social-service agencies in 60 cities. The 10-week project, June 1 through Aug. 11 is sponsored by the United States Student Association (USSA), the National Student Educational Fund and Human SERVE (Serve Employees Registration Voter Education) Fund.

The drive marks the 20th anniversary of "Mississippi Freedom Summer 1964," a movement which drew students to the deep South. They played a major role in mobilizing and registering many disenfranchised Blacks, helping to gain passage of the Voting Rights Act of 1964.

"Freedom Summer '84 will be the most important project that students can commit themselves to this summer. It will be an invaluable learning experience and provide the opportunity to move into the forefront of the political arena," said USSA President Greg Moore. "By November, any lingering doubts about the importance of students in the electoral process should be dispelled."

USSA includes 3.5 million members and affiliates on over 300 campuses. Many of the affiliates have already recruited volunteers and are conducting campus voter registration. Freedom Summer Coordinators, selected from every region, will be paid weekly stipends and will launch campus rallies, teach-ins, classroom speaking and other drives to reach large numbers of students.

Human SERVE Executive Director Hulbert James noted that student participation will give significant momentum to ongoing registration drives at social-service agencies. Human SERVE is a clearing house for agency-based registration within the human service community.

Freedom Summer Registration sites include: California, Connecticut, Colorado, Georgia, Florida, Illinois, Iowa, Louisiana, Maryland, Massachusetts, Michigan, Missouri, New Jersey, New York, New Mexico, North Carolina, Ohio, Pennsylvania, Tennessee, Texas and Virginia. For more information on

volunteer registration, contact: USSA-NSEF (202) 775-8943/(202) 785-1856 or Human SERVE (202) 280-4053.

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the movies

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JASON IS BACK.
FRIDAY THE 13TH
THE FINAL CHAPTER R

#1 **GRANADA**
1216 State Street
963-8740

6:00, 8:00, 10:00

#2

ROBIN WILLIAMS
MOSCOW ON THE HUDSON

7:15, 9:45

#3

5 ACADEMY AWARDS
BEST PICTURE
Come to terms.
DEBRA WINGER
SHIRLEY MACLAINE
Terms of Endearment

7:00, 9:40

GOLETA

Go for the fun of it!

Romancing The Stone

#1 **CINEMA** #2
6050 Hollister Ave.
967-9447

7:30, 9:35

#1

Splash

5:00, 7:00, 9:00

#2

Walt Disney Productions
PETE'S DRAGON

7:00

ISLA VISTA

RACHEL WARD
JEFF BRIDGES
AGAINST ALL ODDS

#1 **MAGIC LANTERN** #2 **TANK**
960 Embarcadero Del Norte
968-3356

8:55

#1

THIS IS A HELL OF A WAY TO MAKE A LIVING.
TOOTSIE
DUSTIN HOFFMAN

6:45

#2

ACADEMY AWARD WINNER
MEL GIBSON
The Year of Living Dangerously

7:00

DRIVE-INS

In his mind, he has the power to see the future. In his hands, he has the power to change it.
Stephen King's
THE DEAD ZONE

#1 **SANTA BARBARA** #2 **TWIN DRIVE-IN**
907 S. Kellogg Ave.
Goleta 964-9400

8:30

#1

FRIDAY IS JASON'S UNLUCKY DAY.
FRIDAY THE 13TH
THE FINAL CHAPTER

7:00

#2

BLADE MASTERS
(PG)

7:05

DRIVE-IN AIRPORT

MARIO ALMADA
JULIO ALEMAN
LOS DOS MATONES

#1 **MAGIC LANTERN** #2 **TANK**
960 Embarcadero Del Norte
968-3356

7:15

#1

ACADEMY AWARD NOMINEE
BEST FOREIGN FILM
Entre Nous

7, 9:15

#2

THE HUNGER
MISSION THEATRE
618 State Street
962-8616

6:15, 9:45

DRIVE-IN AIRPORT

MARIO ALMADA
JULIO ALEMAN
LOS DOS MATONES

#1 **MAGIC LANTERN** #2 **TANK**
960 Embarcadero Del Norte
968-3356

7:15

#1

MICHAEL CAINE
JULIE WALTERS
Educating Rita

9:15

#2

TIMOTHY HUTTON
ICEMAN

7:20, 9:25

DRIVE-IN AIRPORT

MARIO ALMADA
JULIO ALEMAN
LOS DOS MATONES

#1 **MAGIC LANTERN** #2 **TANK**
960 Embarcadero Del Norte
968-3356

7:15

#1

THE BIG CHILL
In a cold world you need your friends

7:00

#2

He'll need more than a miracle to survive...he'll need a friend.
A UNIVERSAL PICTURE

DRIVE-IN AIRPORT

MARIO ALMADA
JULIO ALEMAN
LOS DOS MATONES

#1 **MAGIC LANTERN** #2 **TANK**
960 Embarcadero Del Norte
968-3356

7:15

#1

CATHERINE DENEUVE
DAVID BOWIE
SUSAN SARANDON
The Hunger

MGM/UA

#2

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AND THE SPOORS FROM MARS

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Confident About Regionals

Gauchos Lose Finale To Bruins

By ED EVANS
Nexus Sports Editor

The top-ranked UCLA Bruins escaped the Campus Events Center with a tough five-game-win over the UCSB men's volleyball team before a vocal and supportive crowd last Friday.

The Bruins came into the match undefeated and a unanimous No.1 choice in the national rankings, but the Gauchos who were riding a seven-match winning streak were ready to give UCLA a tough time.

In the first two games of the match, the Gauchos looked outmatched. The taller Bruins seemed determined to make an early night of things, as they controlled the action with a strong block and good hitting.

In game one UCLA built a seven-point lead at 10-3, but the Gauchos began to fight their way back. UCSB used some key hits by Jared Huffman and Mark Franklin to move within four points at 11-7. UCLA scored again, but the Gauchos countered with a tough serve by Richmond Hall to keep the Bruin lead at four, 12-8. That was as close as the Gauchos would get, as the Bruins scored three more points to claim game one 15-8.

Game two started off with UCLA in control. With the Gauchos leading 2-1, the Bruins' Asbjorn Volstad served five straight points to give UCLA a 6-2 lead. The lead grew to 8-2 before the Gauchos began to fight back. Huffman spearheaded the Gauchos' comeback with his hitting, as UCSB tied the score at 8-8 and then took a 9-8 lead.

From there the Gauchos built their lead to three points at 11-8, but the Bruins were not giving in. Coach Al Scates' team tied the Gauchos at 11-11 and went on to claim game two 15-12, giving them a 2-0 advantage in the match.

Despite being down 2-0 the Gauchos and their fans were not about to give up.

Game three was the kind that brings the fans out of their seats. The score was close in the early going with the score tied twice, at 3-3 and 4-4. With the score tied at 4-4 UCSB scored to take a 5-4 lead, which quickly became 6-4 and continued to grow until the Gauchos held a 9-5 advantage.

Despite the efforts of the Bruins to cool off the hot Gauchos hitters, the UCSB advantage continued to grow. With UCSB leading 13-6, the Bruins began to show the kind of talent they possess as they fought back to within four points at 14-10. The Gauchos were a point away from claiming the game and prolonging the match, but UCLA would not allow them to win the last point. The Bruins cut the UCSB advantage to 14-13, but the Gauchos would not give in or give up.

The two team traded seven side outs before UCSB got the point it needed to win. UCLA's Reed Sunahara hit the ball out of bounds and the Gauchos had avoided a sweep.

As the Ecen crowd cheered the Gauchos on, led by the men's swim team, game four began. In game four the Gauchos continued to prove they can play good volleyball in pressure situations.

The score was tied four times in game four, and every time the Gauchos took the advantage. Displaying a solid block, despite being without middle blocker Randy Ittner, the Gauchos controlled the play at net. UCSB served and hit its way to a four point lead at 13-9, and then fought its way past the stubborn Bruins to claim the last two points and a 15-12 win that tied the match at two games a piece.

The moral victory won by the Gauchos in avoiding the sweep and playing so well, the two teams returned to the court to decide the match victory with game five.

In game five UCLA came out on the floor with a point to



prove. They wasted little time in reacquainting the Gauchos and their fans with the fact that they are the defending NCAA champions and the No. 1 team in the country. With All-American Doug Partie and Sunahara leading the way the Bruins blitzed the Gauchos to take an 8-0 lead. The Gauchos showed their own brand of courage and confidence as they cut the Bruins' lead in half at 8-4, but could get no closer. The final score in game five was 15-7 in favor of the Bruins, and UCLA also won the match three games to two.

With the loss the Gauchos finished league play with a record of 11 wins and seven losses, fourth best in the CIVA. The Gauchos strong finish at the end of the season earned for them a berth in the upcoming CIVA regionals at Northridge this weekend.

"Everything is going well for us right now, and everyone is playing their best," Jared Huffman said after the match. "I'm just happy the entire team is playing well."

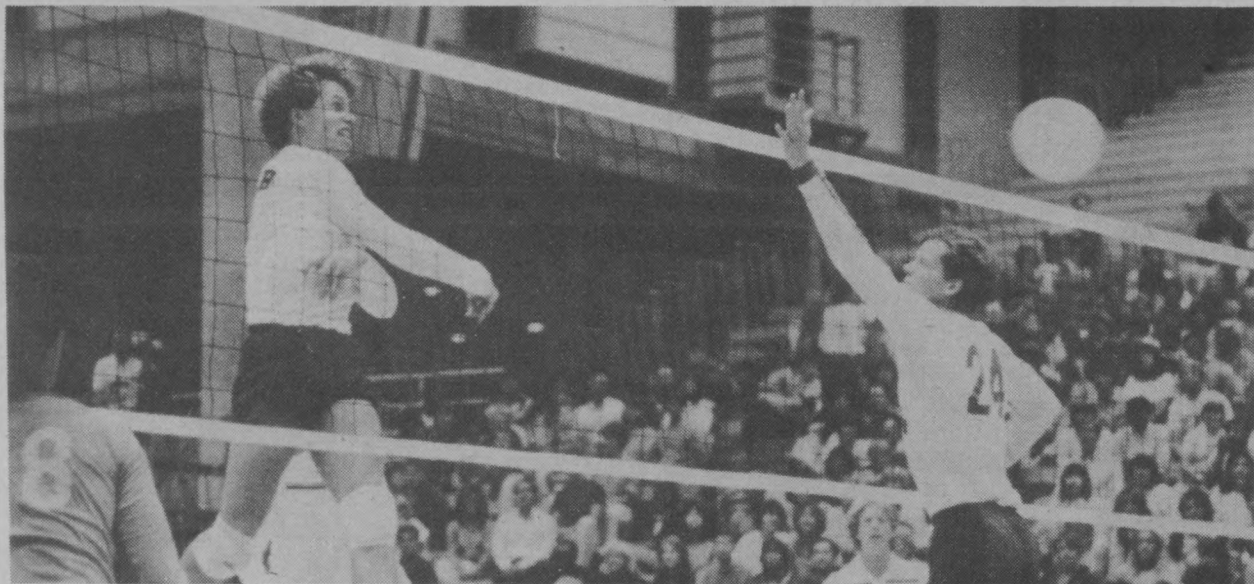
In the first round of the regionals the Gauchos will face a familiar nemesis, the USC Trojans. The Gauchos are very confident they can do well this weekend and have a good shot at winning.

"We're playing with a lot of confidence, we just have to go against USC with the same confidence," UCSB Head Coach Ken Preston said.

The Gauchos have had problems in the past in getting past the regionals but Preston said this is just history.

"We're the team to beat," Huffman said. "We're the hottest team in the country, we're very confident and we know we're going to win it (regionals)."

Huffman said the good performance against UCLA reinforced the Gauchos' confidence in themselves. "We thought we could play with anyone and tonight we proved it," he said.



DOWNTOWN — Jared Huffman makes a kill against UCLA, despite the defensive efforts of Bruin Asbjorn Volstad. UCSB is preparing this week for their trip to CIVA regionals on Thursday.

MURRAY DEMO/Nexus

Gauchos Take Streak To Malibu

By PHIL HAMPTON
Assistant Sports Editor

When skipper Al Ferrer takes his troops to Malibu today to face the Pepperdine University Waves in the first of four SCBA games to be played this week, the Gauchos will hope to prove once and for all that their month-long slump lies dead in the wake of a rejuvenated defense, clutch hitting and superior pitching.

Riding on the crest of a five-game winning streak, one would assume the Gauchos have surely shaken off their mid-season problems and are back on the winning track. Yet Ferrer has stressed time and again that slumps span weeks (in this case, a month) and cannot be measured on a daily basis.

Nonetheless, Gauchos players insist the drought has ended. Several players said the attitude in the dugout during games has shifted from a "Will we win?" feeling to a "When (what inning) should we win?" approach, thus illustrating the players' confidence and optimism.

Entering the Pepperdine series with an 8-5-2 conference record and one-half of a game behind the second-place, 10-6 Waves, the Gauchos could hop into second place behind Cal State-Fullerton (12-4) with a victory today.

While Ferrer was unavailable for comment, members of the team said today's game is more significant for other reasons.

Defeating the Waves today at Eddy D. Field Stadium could give UCSB a psychological edge. Pepperdine is undoubtedly aware of the Gauchos' current winning streak

and may play scared ("Oh no, here they come again," a Gauchos player said, mocking a Pepperdine player) the rest of the series, knowing UCSB extended its winning streak and is on a tear. As you know, the Gauchos won 23 of their last 26 SCBA games last year to earn a tie for the title.

A win today would also decrease some of the pressure on the team by not forcing them to sweep three games (one on Friday at Malibu and two on Saturday at Campus Diamond) over the weekend to gain any ground on the Waves.

The key to today's game, as well as the entire series, should be the men on the mound.

The Gauchos pitching staff, with three seniors and a junior in the starting rotation, leads the conference in ERA (2.60) and has only allowed three earned runs in their last 31 innings.

Pepperdine, on the other hand, has several freshman in its rotation. UCSB players stipulated that if they can get some runs across the plate early in the game, they can get into the inexperienced Wave bullpen and gain an advantage with their seasoned hitters.

Southpaw George Bonilla (8-3 with a 2.42 ERA), who hurled a five-hit shutout against UC Irvine a week ago, will face Pepperdine's top pitcher, freshman Mike Fetters (8-1, 2.67), today at Malibu.

Brad Kinney (9-3, 1.83), Steve French (6-4, 3.48) and Barry Dacus (3-0, 3.03) are probable starters for Friday's game and Saturday's twin bill, respectively.

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Lost & Found

LOST: Green Vuarnets on 4/16. I'd really appreciate getting them back...685-5818.

Special Notices

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INTERNSHIPS: KATE SILSBURY of the UCSB Placement Center will speak on internships for **COMMUNICATION MAJORS**, 5:30-6:30 at UCEN meeting room 3. TODAY.

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49	50	51					52				53	
54					55	56				57		
58					59					60		
61					62					63		

ACROSS

1 Singers of a certain range
6 Sports officials
10 Gore
14 "Best Picture" of 1955
15 Inkling
16 Melody
17 Like some dictionaries
19 Hautboy
20 Washington VIP (abbr.)
21 "Picnic" playwright
22 Emulate Edison
24 Gist
26 Part of f.o.b.
27 Seaweed
28 Intersection
32 English philosopher
34 Belgian treaty city
35 Extinct bird
36 Picnic pests
37 Injunctions
38 Name for a dog
39 Break the ___
40 Lines of stitching
41 ___'s perfect
42 Open formally
44 Courts

DOWN

1 Entertain
2 Establishment for Dick Weber
3 Did business
4 Type of gambling (abbr.)
5 Device to inject fluids
6 Part of a hill
7 Advantage
8 ___ simple
9 Heavy pressing devices
10 Items for James Beard

11 Slangy TV
12 Ever's partner
13 Sugar source
18 Quechuan Indian
23 Woodstock's home, in "Peanuts"
25 Fraternal organization
26 Guitar parts
28 Ring
29 Unjust burden
30 "High ___"
31 Paid admission
32 Like eggs
33 As soon as
34 Fireplace item
37 Endures
38 Chimney substance
40 Shoo
41 Love, in tennis
43 Perfect models
44 City in Texas
46 Birds or adventures
47 Provide perfume
48 Anxious
49 That which is hunted
50 In a line
51 Irritate
52 Black (poet.)
56 Pasture sound
57 Card game

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HOURS
Monday thru Friday 8:00 - 5:00
Saturdays 11:00 - 4:00
Closed Sundays

SOLUTIONS TO LAST CROSSWORD

C	E	R	I	S	E	C	A	P	O	A	P	E
A	R	A	R	A	T	A	G	O	N	R	E	A
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S	N	E	E	R	E	R	S	T	E	R	N	
A	D	O	S	Q	U	E	G	E	N	I	E	
R	E	M	I	T	E	R	G	E	M	E	N	D
N	E	E	D	O	F	S	O	T	S			
O	R	D	E	A	L	S	P	I	T	H	I	E
S	O	O	N	M	E	E	T	M	E			
S	C	O	U	T	D	U	O	S	L	E	E	P
C	A	R	L	S	A	N	D	P	R	U	S	
A	M	A	N	P	A	N	O	R	A	M	A	
M	E	T	A	L	L	I	C	A	G	E	N	D
P	R	E	B	O	D	E	P	I	E	C	E	D
S	A	D	S	T	E	S	E	S	T	E	E	M

WATCH FOR THE ANSWERS TO TODAY'S PUZZLE IN FRIDAY'S CLASSIFIED

Second-hand Smoke Studies...

(Continued from pg.3)
causes respiratory irritation, nitrogen dioxide causes inflammation of the air passage and destroys cells, and acetaldehyde causes paralysis of cilia in the upper respiratory track, McLennan said.

In particular, side-stream smoke contains 46 times the concentration of ammonia, four times the concentration of benzopyrene, a carcinogen, three times the concentrations of tar and nicotine as main stream smoke, and also contains lead, arsenic, cadmium and radioactive polonium 210, McLennan said.

There are long-term and short-term effects of side-stream smoke on involuntary smokers, non-smokers who inhale smoke from smokers' cigarettes, McLennan said. Long-term effects include angina and lung cancer. Short-term effects include irritation of the eyes and throat, nasal congestion, nausea and extreme headaches, she

said. "For health reasons it is important for the general public to know what evidence there is about smoking and second-hand smoke," Nigel Brandstater, the California medical student representative to the

"It costs \$59,000 per year for the society to support one man's smoking habit."

— Nigel Brandstater

California Medical Association, said. The economic ramifications are also important, he said.

The cost of smoking is very high, Brandstater said. "It costs \$59,000 per year for the society to support one man's smoking habit. This would be equivalent to \$3 of taxes per pack to pay for the necessary research, treatment and sick time it costs society."

The main cause of residential fires is cigarettes, over \$180 million

is lost in capital and 4,000-6,000 people die each year in the United States by these fires, he added.

Economic benefits have also been taken into account by companies who have begun smoking restrictions, McLennan said. According

to research done by the Group Against Smoke Pollution, the absentee and on-the-job accident rates of smokers are twice those of non-smokers, and companies must purchase additional fire and health insurance if they have smoking employees.

Companies pay increased maintenance costs for cleaning and there is approximately 30 minutes of wasted down time while a smoker lights up, puts out and puffs on cigarettes per

day per smoker, she explained. Five hundred dollars is spent each year per smoker in the company, McLennan said. Because of this many companies such as Dow Chemicals, IBM and Mary Kay Cosmetics have realized the economic benefits of smoking restrictions and have imposed them.

Because of concerns about second-hand smoke many states, cities, and counties have developed anti-smoking ordinances, McLennan said. One such ordinance is now being formulated for Santa Barbara, she said.

It took 20 years for the American Cancer Society and the American Heart Association to educate the public on the effects of smoking, McLennan said. "We don't have 20 years to educate the public on the effects of side-stream smoke. We have to educate as many people as possible now, so we won't be guinea pigs for the future."

First Aid Course To Be Offered

Santa Barbara County Red Cross will be offering a multimedia First Aid Instructor course, Friday, May 4, 6 p.m. to 10 p.m. and Saturday, May 5, 8:30 a.m. to 5 p.m., at Lompoc District office, 211 South "H" Street, Lompoc. This course will prepare those attending to teach the Red Cross Multimedia First Aid Modular System Course. Prerequisites for this course are: 17 years of age or older,

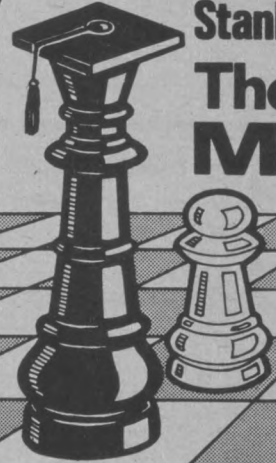
and a current certificate showing completion of a Standard First Aid Multimedia, Standard First Aid and Personal Safety, or Advanced First Aid class within the past three years. Participants must preregister and pay the \$20 course material fee at Chapter headquarters, 2707 State Street. Please call the Chapter headquarters at 687-1331 for more information.

Enough!!

Register To Vote Today!



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Read the Nexus Daily

GLSU



Gay and Lesbian Student Union at UC Santa Barbara Gay and Proud

In August of 1983, I became myself. That probably sounds weird to you unless you are gay or lesbian. Until that point in my life, I had lived the life of another person. No! I was not re-incarnated — I simply "came out of the closet." The life I had been living had been the desires and hopes of others. I was not the individual I definitely am.

I quickly gained support from people living around me. I met others whose lives had been like mine. They told me much, especially how I could live with my individualness and express it effectively, and not embarrass nor make others uncomfortable.

You are probably wondering why I refer to my sexual orientation as my individualness. My reason is that every gay and lesbian is different. You cannot say, "Oh, I know R.J. He is the gay guy with the brown hair and moustache." That simply won't do for many men (straight and gay), have those features, and each differs in emotion, feeling, taste, personality, etc. All gays are different; as every heterosexual.

The support I gained probably would not have been as easily found if gays and lesbians had not begun to fight. My life was made much simpler due to the efforts of others. Their struggle became mine. The struggle is to combat HETEROSEXISM.

I do not hate nor dislike heterosexuals, nor am I heterophobic (the fear or disliking of heterosexuals). But rather, I hate the principles by which some people still live. The root of my battle is the consciousness which values the belief that penises and vaginas are partners, and any variation is wrong. This is the fight which I will battle for a long time. I will work for the day when a person's sex, color, religion, and sexual orientation (gay, lesbian, bi-sexual, heterosexual, asexual, etc.-sexual), will not matter.

— R.J.

R.J. is a student in Communication studies.

(The preceding article was the opinion of the author. The opinion expressed may not be the opinion of all gay and lesbian people.)

Gay/Lesbian Liberation

The explosive point happened in Greenwich Village, New York City, on June 27, 1969. The police raided the "Stonewall Inn," and began throwing the patrons against the walls. The men in the bar organized, locking the officers inside the bar, as rioting begins. The rioting lasts for three days as National attention sees the birth of a new generation and also the birth of Lesbian and Gay Liberation in America.

The GLSU does not discriminate on the basis of race, color, national origin, religion, sex, handicap, veteran status, nor on the basis of sexual orientation.

Lesbian and Gay American History

The following are small portions of a huge history of Lesbian and Gay Involvement in North America. Please realize that many dates, peoples, and events are not listed. For more information, contact the GLSU.

- 1566 GONZALO SOLIS DE MERAS, a French interpreter was put to death in the Florida Colony and said to be "a great sodomite."
- 1642 Governor William Bradford: "sodomy and buggery... have broke forth in this land."
- 1778 George Washington orders the general court-martial of Lieutenant Frederich Gotthold Enslin for attempted sodomy; actually for lying about the incident.
- 1883 Stage comedian Clyde Fitch played several women's roles while attending Amherst College. Gossip spread on the campus due to his dress and lifestyle.
- 1896 Jeanette Marks begins 50-year relationship with Wellesley College headmistress Miss Wolley.
- 1906 Gertrude Stein and Alice Toklas met and began their 39-year relationship.
- 1945 Gay Veterans Group begins in New York to discuss the possibilities of organizing homosexuals.
- 1952 After Miami high-school age hustlers are tried for killing a gay airline pilot, massive beach and bar raids shake Miami's gay community.
- 1955 Daughters of Bilitis launched The Ladder (the first Lesbian publication in the Americas).
- 1964 First National Homophile Conferences held in Kansas City and San Francisco.
- 1969 STONEWALL INN RAID. (See bottom of previous column).
- 1970 Gay and Lesbian Pride Parades begin to commemorate the Stonewall Rebellion.
- 1970 Gay Student Union established at UCSB. Becomes Gay People's Union in 1971 and GLSU in 1982.

- 1977 Anita Bryant spearheads a campaign to repeal anti-discrimination statute.
- 1983 Regents of the University of California accept testimony from the U.C. Lesbian and Gay Intercampus Network. The Board includes Sexual Orientation to those areas which are protected and orders the president to take action and implement the resolution.
- 1983 GLSU announces Gay Jeans Day for May 26. Persons wearing jeans drops 60% on the day.
- 1984 GLSU announces Lesbian And Gay Jeans Day for May 3, 1984.
- 1984 Santa Barbara's first Lesbian and Gay Formal is planned for May 19, 1984 and hosted by the GLSU, Gay and Lesbian Resource Center and the Metropolitan Community Church.

Lesbian and Gay Jeans Day

Many people do not understand why we would plan such a day.

OUR GOALS:

1. To increase awareness. We want the people on this campus to realize that gay and lesbian people are everywhere — even here at UCSB.

2. We chose jeans being that jeans are common and normal. Gay and Lesbian people are normal, in fact, we guarantee that everyone knows at least one gay or lesbian simply because one out of ten people are homosexual, and three out of ten are bi-sexual. Unfortunately, most gay, lesbian, and bi-sexual people won't talk about their sexual orientation in public. We hope to have people realize that sex is normal, whether it be gay, lesbian, or heterosexual.

We ask people to wear jeans on May 3, 1984, in response to the awareness we are attempting to establish. **DO NOT WEAR JEANS IN SUPPORT! SUPPORT WILL COME THROUGH ACCEPTANCE!**

UCSB GAY AND LESBIAN CALENDAR

- APRIL**
- Wed. 25 AIDS Call-In Special. 7 pm KCSB FM 92.
- Thurs 26 Gay and Lesbian Rap/Support Group. Women's Center at 7 pm. And every Thursday this quarter excluding finals week. (Co-sponsored by the Counseling and Women's Centers)
- MAY**
- Thurs. 3 Lesbian and Gay Jeans Day
- Fri. 11 Last day to buy bids for the prom.
- Sat. 19 Two of a Kind. The Prom That Dare Not Speak Its Name. Dinner 7 pm, dancing 9 pm. Santa Barbara Sheraton Hotel, Vista Mar Monte Room. Bids: Dinner & Dancing \$15; Dancing only \$8; available from the GLSU, GLRC (Gay & Lesbian Resource Center of Santa Barbara), and MCC (Metropolitan Community Church).

The next GLSU half page is May 9 — WATCH FOR IT!

Funds for this newsletter are from GLSU and A.S.