

# The Daily Guardian

Volume 39, Number 2

University of California, San Diego

Tuesday, January 8, 1980

## Day Care Center Turned Down by State for Funds To Expand Child Care

By Eric Jaye

The "sure thing" grant from the State Department of Education which would have allowed UCSD's Day Care Center to nearly double its capacity has fallen through.

As a consequence, the Registration Fee Committee, which in November gave the Center \$31,000 in expansion funds and \$3,664 for increased operating costs, has taken back its money, according to Vice-Chancellor of Student Affairs Richard Armitage.

The \$25,648 SDE grant would have allowed the center to care for 40 infants in addition to the 45 children of at least walking age which currently attend the center. The funds would have been used for the purchase of a trailer to house the infants.

The Reg Fee committee indicated in November when it gave the center the money that the allocation was contingent on the award of the SDE grant. That grant, the committee was told by Laura Long of the Business Office, was almost a certainty.

UCSD's proposal was part of a group of grant requests totalling \$52 million in competition for \$four million in state funds.

The proposal was ranked sixth in its infant care category, with only the top two contenders receiving any funds, according to SDE official Don Reed.

As of last night UCSD and State officials were contradicting each other about why the were contradicting each other about why the grant was not awarded.

Long says she first received indications from Sacramento that UCSD had an inside track on the grant and from this information sprung her optimistic report to the Reg Fee committee.

She learned later that there had been an "exceptional" number of applicants for grants, and UCSD had been edged out.

However, Reed said in Sacramento yesterday that there had been the normal number of applicants.

And UCSD Day Care Center Josie Foulks said yesterday afternoon that though she had

heard rumors the grant had been delayed, she had not heard that it had not been awarded.

Long said that Foulks had been sent a copy of the refusal letter as soon as it was received in late December.

Both Long and Foulks seemed to agree, though that the center would have a better chance of attracting state funds if the Reg Fee committee let it keep the money and the expanded program were in operation.

"It's a risk the Reg Fee committee will have to weigh," Long said last night, explaining that the risk was the possibility that after money had been spent of the purchase of a facility the state money would not come through.

## Saxon to Visit Chinese Schools In UC Exchange

By Jeff Beresford-Howe  
News Editor

UC President David Saxon will visit the People's Republic of China for three weeks in late March and early April, his executive assistant said yesterday.

Saxon will spend the time touring universities with which different UC schools, including UCSD, have exchange agreements, and will hold talks with representatives of those universities.

As yet, only his executive assistant, David Wilson has planned to accompany the president, but two or three professors "knowledgeable on China" will probably also tour the People's Republic, Wilson said.

The tentative date for Saxon's departure is March 23, chosen because there is no Regents' meeting during the scheduled tour.

Saxon will concentrate on several different questions while in the People's Republic, Wilson said.

He wants to find out why so few Americans have gone to China on exchange programs, and wants to inspect conditions at universities there. He will also meet with Ministry of Education officials, who invited him to China.

But Saxon has no set itinerary yet, though he will probably visit Japan before he goes to China. In Japan, Wilson says, he will also tour universities with which UC has exchange programs.

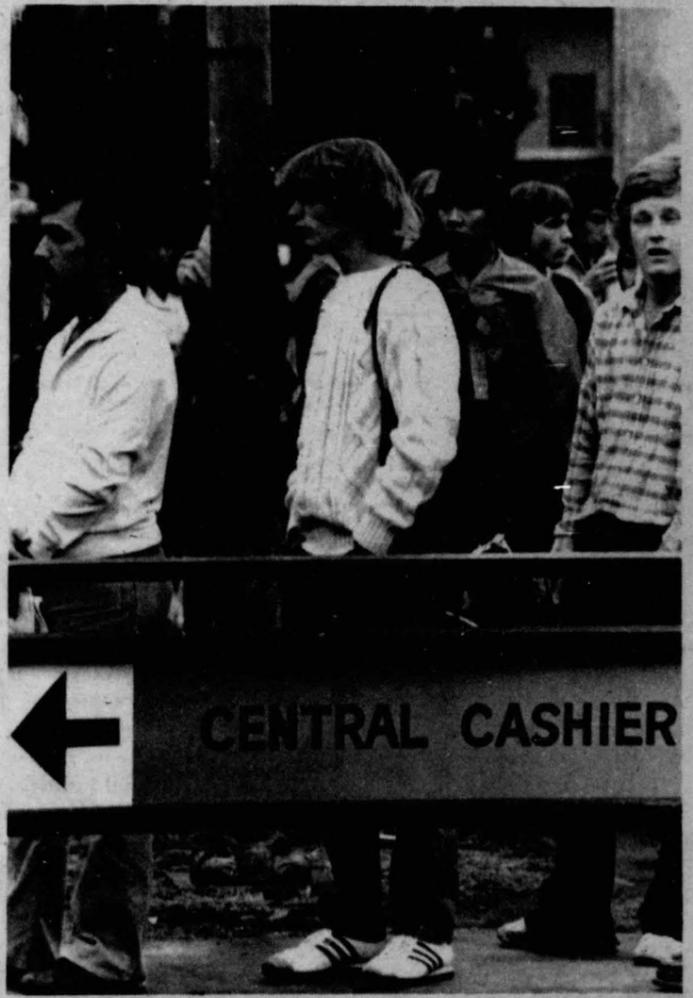
Saxon, one of "the only top officials in the UC system who hasn't been to China," Wilson notes, will be temporarily replaced while in China by system vice-president William Fretter, who usually takes over when Saxon is out of the country.

It has not been decided, Wilson said, whether Saxon will take vacation time while in China or continue to receive his salary as university president.

UCSD is one of several UC schools which have concluded agreements with the People's Republic of China to conduct exchange programs.

No professors have yet visited China under terms of the agreement though, a fact attributed to financial difficulties on this end of the exchange.

Each university funds its own professors abroad, which allows the People's Republic of China easy funding sources, but forces UCSD professors to turn to grants and research awards.



Students waited in line yesterday through the wind and rain to pay their registration fees, but will probably stay dry during their wait today, if the National Weather Service is correct (see below).

Today is the last day to pay fees without incurring a fine.

Guardian photo by Matthew Giedt

## 3 UCSD Experiments Picked for Spacelab

Three experiments proposed by UCSD School of Medicine scientists were among the 82 selected by the National Aeronautics and Space Administration for its Life Sciences space mission.

Dr. Alan R. Hargens, Dr. Allen F. Ryan, and Dr. John B. West, are currently fine-tuning their experiments for the future voyage into space.

Spacelab, the reusable spaceborne laboratory to be used in the mission, was constructed as a major component of the space shuttle program. The versatile laboratory will serve as an extension to the investigators' ground-based laboratories, with an additional characteristic essential to their respective trials — long-term zero-gravity.

Liftoff for the first Life Sciences Space mission is currently scheduled for May, 1983.

Hargens, associate research physiologist in the division of orthopedics, hopes to utilize the zero-gravity laboratory to investigate tissue-fluid changes and muscle function in humans, before, during and after weightlessness.

The redistribution of feet and leg tissue-fluid during zero-gravity, into the chest and head, causes abnormal fluid accumulation in facial tissues, called edema. Conversely, astronauts experience severe leg pains following reentry to Earth's gravity, possibly caused by the fluids returning to the lower portions of the body.

Accurate data on the extent and effect of body fluid shifts will contribute to the further development of space medicine.

Hargens also plans an exercise program to determine if specific exercises can prevent or minimize the expected decrease in size and strength of the soleus muscle, a leg muscle that counteracts the force of gravity.

Ryan, assistant adjunct professor in the division of otolaryngology, is interested in the complex fluid environment of the inner ear during weightlessness. Inner ear dysfunction during zero-gravity is a biomedical hazard to humans during space flight, since it is known to cause nausea.

Ryan's experiment will record the influence of fluid accumulation in the head, on the fluid systems of the inner ear, on in-flight personnel before, during and after weightlessness.

By studying the healthy human lung, free from the influence of gravity, West, professor of medicine and head of the division of pulmonary physiology, and Dr. Davie B. Michels, respiratory physiologist, hope to distinguish lung irregularities brought on by

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## Iran Expert to Speak: Decries US Ignorance

James A. Bill, one of the few academicians in the nation specializing in the domestic policies of Iran, will speak here next Tuesday at 8 pm in USB 2722.

Bill, a professor at the University of Texas and Acting Director for its Center for Middle Eastern Studies, has titled his lecture, "America and the Iranian Revolution: An International Watershed."

He will examine current events in light of Iranian history and US policy in the Middle East.

Bill has frequently expressed contempt for American understanding of events in Iran.

"America knows astonishingly little about Iran," he says. "Few American officials have the linguistic fluency, intellectual curiosity, personal fortitude or occupational time to pierce the crust of Iranian society."

He also says coverage of Iran by the American press has been "consistently sparse, superficial and distorted," and he has blasted American diplomatic and intelligence missions

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### TODAY'S WEATHER

Mostly cloudy with an increasing chance of rain Wednesday. Temperatures near 60 degrees with light winds.

Breakers will be 2-4 feet at 12 second intervals.

# Arabs Get U.S. Solar Research Funding

## Small Firms Left In Cold

By Wesley Marx

America's solar energy program is moving full steam ahead—in Saudi Arabia.

In mid-December, the Georgia-based Martin-Marietta Corp. won a \$16 million contract to design and build the world's largest photovoltaic solar system 30 miles northwest of the Saudi capital of Riyadh. Photovoltaic cells are semi-conductor devices that convert solar energy to electricity. The 350-kilowatt system will "solarize" an entire community and help convert seawater to drinking water.

The U.S. taxpayer is also involved in this project, but not on a profit-making basis. The lucrative contract was awarded under a joint \$100 million solar cooperative program between the U.S. and Saudi Arabia.

Wesley Marx, author of "The Frail Ocean" and "Acts of God, Acts of Man," lectures in UC Irvine's social ecology program. He wrote this story for Pacific News Service.

Why is the U.S. subsidizing a glamorous solar project in an oil-rich desert kingdom when we could benefit from such projects in our own backyard?

In 1977, the U.S. and Saudi Arabian governments signed the \$100 million agreement to jointly support solar research and development. Another priority project will test an advanced solar cooling system in Saudi Arabia. This arrangement is the largest of a series of cooperative solar agreements with Israel, Japan, Russia and other countries.

Arab interest in the joint program is understandable. Arab nations presently lack the technical capacity to make the sun a warm friend, even though they have the physical environment conducive to solar use.

Solar power could provide the oil-producing nations with a critical energy back-up system much less vulnerable to natural and man-induced hazards, including terrorism, than oil and nuclear-based systems. Most significantly, the more their own domestic fuel consumption can be cut, the more oil Saudi Arabia can export to industrial nations.

One Arab official told Miroslav Uroshevich, of Alpha Solarco, Inc., Cincinnati, that every barrel of oil consumed at home costs Saudi Arabia \$13 in earnings.

The basis of U.S. involvement in the project is less clear. The U.S. has sites just as conducive to solar use, such as the Southwest, as Saudi Arabia. So do our close oil-producing neighbors, Mexico and Canada.

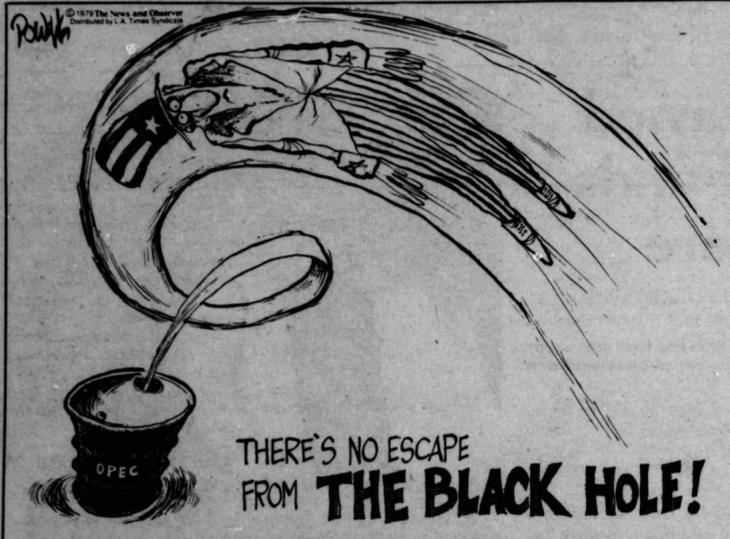
But the U.S. does benefit from finding a partner willing to share in some of the risk and funding in developing solar technology, even if done at long range. Indeed, the U.S. government has a much harder time finding domestic partners. The Department of Energy often must come up with 100 percent federal funding before a large technical corporation will be motivated to establish a solar research branch. The oil corporations, which have the best combination of technical and financial resources, prefer to lobby for federally subsidized synfuel development.

Small private firms in the U.S. solar field now fear that proceeds from the windfall oil profits tax will go back to the very same oil corporations being taxed to develop energy-intensive, water-intensive synfuel projects.

U.S. solar firms realize that Middle East solar perspectives extend beyond rhetoric. A Texas manufacturer of solar panels, American Solar King, has built a plant in Jordan and is constructing another in Saudi Arabia. Solar King president Brian Pardo says the firm did \$1.5 million in business in the Middle East in 1978.

U.S. solar manufacturers argue that the export of their products could help reverse the national trade deficits caused by oil imports and that the government should help open more doors overseas. "They support large nuclear sales and system sales, so why can't they support small companies' solar sales?" asks Gary Noonan of Acurex Corp. in Mountain View, Ca.

The Daily Guardian  
**OPINION**



# City Needs Room for Poor

By Lucy Killea

While serving as a city planning commissioner and city councilwoman I have had the opportunity to participate in the final stages of the planning process for North City West, as well as in the adoption of the San Diego's

Lucy Killea is a member of the San Diego City Council, which approved the first phase of North City West late last year. Killea recently received her doctorate in history from UCSD.

general plan and growth management plan.

North City West is the first controlled growth plan for a new community in San Diego since the adoption of the Growth Management Plan and was recognized for its excellence by receiving a top national award. Under its controlled growth plan San Diego will manage the projected growth of the region through positive intervention to distribute growth appropriately among city areas, including the sequencing of growth with

suitable environmental and physical performance standards.

"Sunbelt" areas of the United States like Southern California, and especially the San Diego region, increasingly appeal to many Americans as a more desirable place to live. The migration into this region will probably continue for decades. The only responsible and prudent course of action for us is to plan wisely for this growth in order to maintain the quality of life we presently enjoy.

Where we distribute this growth within the region is very important, and each area has a responsibility under the growth management plan to assume its fair share consistent with fiscal and environmental constraints.

Under the growth management plan and general plan the development of North City West, for which planning began over 10 years ago, will take place in phases extended over a minimum of 20 years. Each phase will undergo intensive land use planning and will have to meet the high

standards of a precise plan, such as the recently adopted one for Carmel Valley, the first neighborhood in North City West.

The development of the first phase of North City West will provide a broad range of housing types, which will make more efficient use of the land in a creative manner and will help alleviate the shortage of multi-family units in the northern part of the city, since over 40 per cent of Carmel Valley units are in the multi-family category. An additional 16 per cent of the units will be patio homes, and another 22 per cent will be duplexes, both of which are less expensive forms of single family units and allow a great deal more common open space than traditional housing. Only 21 per cent of the development will consist of family residences on single building sites.

Some growth has been and will be directed to the already urbanized areas of the city. Such "in-filling" makes efficient use of existing community facilities and improvements.

However, "in-filling" has already been completed during the last few years. The remaining building sites in the urbanized area are often difficult, bypassed lots in or around canyons and environmentally sensitive areas. Efforts to redevelop or add density within Pacific Beach, Ocean Beach, Linda Vista or any one of a dozen other neighborhoods has met increasingly strong resistance over concerns for maintaining what open space remains, and assuring adequate traffic circulation and sufficient public facilities.

We plan to direct the remainder of our future growth in an orderly, well managed manner to give it pay for itself. Our growth management and general plans designate areas to be urbanized and provide incentives for building where space is available.

If we do not plan for our future growth, the conse-

M.N.Plano

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# ASSOCIATED PRESS NEWS BRIEFS

## Soviets Kill UN Plan; 100,000 'Policing'

UNITED NATIONS — The Soviet Union vetoed a Security Council resolution on Monday calling for withdrawal of foreign troops from Afghanistan, killing the measure despite its passage by a 13-2 vote of the council.

The resolution, sponsored by five non-aligned members of the council, did not mention the Soviet Union by name, but Soviet chief delegate, Ambassador Oleg Troyanovsky, still voted against it. Approval by the Soviet Union, as a permanent member of the Security Council, is required for passage of any resolution.

The other negative vote was cast by Moscow-allied East Germany, a new non-permanent member of the council.

Troyanovsky, speaking just before the vote, reiterated the Soviet claim that it was asked by Afghan authorities to send military aid. He said the resolution was "a flagrant intervention in the affairs of a sovereign state and should be rejected."

Meanwhile, in Afghanistan, Moslem Afghan rebels claimed yesterday that they had control of three districts about 25 miles from the nation's northern border with the Soviet Union and the capture of two towns near Pakistan.

However, in a tacit acknowledgement of the inferiority of their position, the rebels said they are stepping up hit-and-run guerrilla attacks against the better-armed Soviet troops.

One rebel in Masdhad, Iran, said, "groups of guerrillas are coming and going regularly between Iran and Afghanistan." That report, like the others, could not be independently confirmed.

The U.S. State Department said the Soviet troop presence in and near Afghanistan may now exceed 100,000.

DOONESBURY

by Garry Trudeau



## Violence in Iran; Khomeini 'Tired'

TEHRAN, Iran — Tens of thousands of demonstrators filled the streets of Tabriz, the Azerbaijani capital, setting fire to a revolutionary committee building yesterday as violence flared across Iran.

Tension mounted in the Kurdish powder keg of Sanandaj as the governor general of Kurdistan province resigned to join protesters who demand the withdrawal of non-Kurdish government security forces.

Meanwhile, the office of Ayatollah Ruhollah Khomeini announced the revolutionary leader had cancelled all appointments for 15 days starting Jan. 12, Tehran radio said. Citing Khomeini's "extreme fatigue," the statement said he would not receive anyone.

## Gandhi Sweeps Indian Vote

NEW DELHI, India — Indira Gandhi, anticipating her return as prime minister if India with a stunning landslide election victory, said yesterday the people realized "their big mistake" in deposing her three years ago.

"You can't fool the people all the time," the jubilant 62-year-old political leader told reporters during a victory celebration as her Indira Congress Party captured an absolute majority in the lower house of Parliament.

## Adm'n Will Bail Out Farmers

WASHINGTON — Vice-President Walter F. Mondale announced today a \$2.25 billion federal program to buy

grain ordered by the Soviet Union but embargoed from delivery in retaliation for the Russian's military action in Afghanistan. Mondale, who said the massive purchases were ordered by President Carter, told a news conference the Agriculture Department will buy the grain from export companies which had contracted to deliver it to the Soviets.

## Berman Edges Past McCarthy

SACRAMENTO — Assemblyman Howard Berman narrowly defeated Assembly Speaker Leo McCarthy in a preliminary vote yesterday in their battle for McCarthy's job as chief of the Assembly.

Assemblyman Elihu Harris, D-Berkeley, said Assembly Democrats voted 26-24 for Berman in a closed caucus meeting.

### SOFT CONTACT LENSES

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- **MEDICAL HISTORY** — A complete medical and ocular history is taken by a written questionnaire.
- **DIOPTRON—THE EYE COMPUTER** — An electronic optical computer that analyzes your eyes and prints out a preliminary prescription without the patient making any judgment.
- **NON-CONTACT TONOMETER** — Checks pressure inside your eye for glaucoma. It uses a gentle puff of air requiring no drops.
- **AUTOMATIC TANGENT SCREEN** — Automatically checks peripheral vision for abnormal blind spots which are indicative of many eye and brain diseases.
- **INFRARED FUNDUS PHOTOGRAPHY** — A photograph is taken of the back of your eye, the retina, to check for ocular disease and for baseline data. Infrared light is used, therefore no drops are needed.
- **SLIT LAMP BIOMICROSCOPY** — A special microscope to check the front part of the eye, tear flow, the fit and movement of the contact lenses.
- **ELECTRONIC DIGITAL PACHOMETRY** — An optical electronic computer to ascertain if enough oxygen is getting through the contact lens to the cornea. This is very important particularly with 24-hour extended wear lenses.
- **AUTOMATIC ELECTRONIC LENSMETER** — Analysis of your existing glasses electronically to extreme accuracy for comparison with the Dioptron results.
- **OPHTHALMOSCOPY** — A procedure using a hand-held instrument to check the health of your eyes and to compare with the fundus photographs.
- **FIXATION DISPARITY** — Indicates how well the two eyes coordinate together and the amount of binocular fusion.
- **STEREOPSIS** — A measure of depth perception and quality of vision at reading distance.
- **COLOR VISION** — Checks for normal and the type of abnormal color vision. Eight percent of all males have some degree of color blindness.

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## PARKING PERMIT INFO

Unless you feed a meter no matter where you park on campus you must have a parking permit. Student "S" permits are available from 9:00 am to 3:00 pm at the Central Cashier's Office at 401 Warren Campus. The cost of an "S" permit is \$30.00 and is good through June 30th, 1980. Student permits are only valid in yellow striped spaces.

If you have any questions about parking or are interested in joining a carpool or forming a vanpool or getting into on San Diego Transit, stop by the Parking & Transit Systems Office at 400 Warren Campus or give us a call on campus extension 4223.

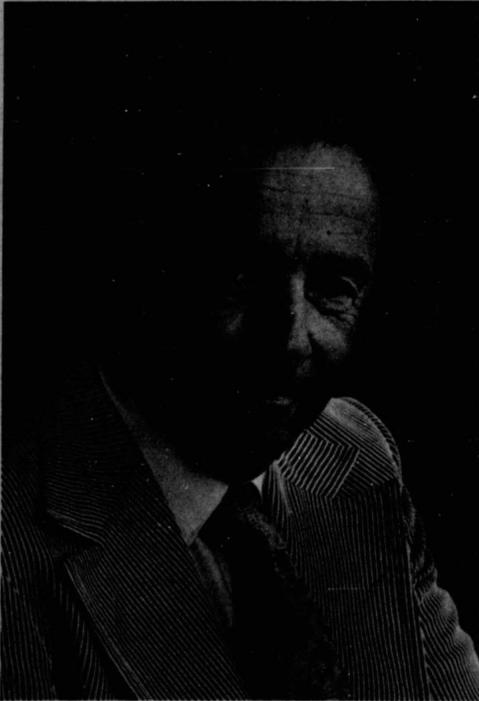
### The Daily Guardian

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The Daily Guardian is published Monday through Friday during the regular school year by students at the University of California, San Diego. Offices are located on the first floor of the student center. Mailing address: Student Center (B026), UCSD La Jolla, CA, 92093. The Daily Guardian subscribes to the Associated Press, the Los Angeles Times Syndicate and Pacific News Service.

For news, call 452-3466.

# Center Studies Coal Liquefaction



Stanford Penner, founder of UCSD's Energy Center. Penner, director of the center since its conception in 1973 works primarily in the field of Coal Liquefaction Technologies. The center was recognized on campus in June, 1974.

By Chris Bragg  
Universities around the nation are actively involved in searching for ways to beat America's energy crunch and UCSD is no exception. The Energy Center here is currently overseeing a nation wide effort to find ways to convert coal to gasoline.  
Located on the sixth floor of Urey hall, the Energy Center was established by its present director, Stanford Penner, in the fall of 1973. The Energy Center was officially established as an Organized Research Unit on the UCSD campus by approval of campus and statewide administrators in June, 1974.  
The main activity of the Energy Center at this time is a nation-wide project on the production of gasoline from coal, or more exactly, Coal Liquefaction Technologies. The Energy Center is a member of the Fossil Energy Research Workshop Group, an organization which reports directly to the undersecretary of

processes which it sees as more practical.  
The largest of the coal liquefaction processes the US can currently process about 6000 tons of coal per day to make mainly heavy grade transportation fuel. The second process can handle anywhere from 200 to 600 tons of coal per day and the third process can handle about 250 tons of coal per day. The number of barrels of fuel that these processes produce can be found by multiplying the number of tons of coal processed by two and a half. Penner notes, "today's production units represent a scale of several hundred times the production of previous plants and represent a development that is moving along as quickly as possible."  
A commercial coal liquefaction plant would process about 20,000 to 40,000 tons of coal per day, and Penner believes the first commercial plant will be in operation by the mid-1980s.

## Conversion to Gasoline Seen as Answer

the Department of Energy on research and development needs in the area of coal liquefaction.  
As Penner says, "We tell them what needs to be done." The "them" ultimately refers to the many commercial organizations who are currently working with or in the process of developing coal liquefaction plants.  
The processes behind converting coal to gasoline are complex and because of this, many different procedures of coal liquefaction have been developed.  
One of the worlds most famous coal liquefaction processes is South Africa's Sasol process. The Sasol process is named after the city in South Africa where it is being used to make gasoline and is known as an indirect process.  
According to Penner, though South Africa has had great success with its Sasol process, the US views this process as too expensive. The United States government is currently supporting three major direct liquefaction

The actual function of the Fossil Energy Research Workshop Group is to travel to liquefaction plant sites and study their processes. The group then writes a report on the site and its process and submits it to the Department of Energy. Penner refers to the Workshop Group as an independent group that is making sure the job is being done in a scientific way and adds, "If we don't think a process is good, we tell them."  
"I feel coal liquefaction will be a major component for decreased dependence on imported oil, and I predict that as much as 10 percent of the oil we produce in the year 2000 could come from coal liquefaction," Penner said.  
On campus, the Energy Center sponsors many energy related seminars and lectures. Information on these events is posted on the Energy Center board in front of room 6254 Urey hall. In January, the Center will offer a series of Regents' lectures by distinguished speakers in the area of energy.

# Common Virus Causes Birth Defects

By Bryan Heard  
Research on the growth of cancerous tumors in a mutant strain of nude mice may lead to finding ways of controlling a wide variety of cancers in humans, scientists at the School of Medicine are saying.  
Dr. Nathan Kaplan and Dr. Gordon Sato are conducting the experiments, which involve implanting human cancers underneath the skin of the mice and observing what effect various chemicals have on the growth of the tumors.  
The immunological system of normal mice would cause the animals to reject the tumors from their bodies as foreign material, but these hairless mice are a mutant strain which have no thymus (the gland which controls the immunological system) and therefore accept the tumors and allow them to grow "essentially as they would in a human," according to Kaplan.  
"The mice provide a very good model for human reaction" to chemotherapy, said Paul Bartl, business manager for the group.

implantation, he said.  
After the tumors have grown in the mice (a process which takes from three weeks to several months, depending on the cancer), samples are transplanted into a tissue culture in the laboratory, where the biochemistry of the tumor is studied. By observing what substances are helpful and what substances are harmful to the growth of the tumors, the researchers

and will soon be used in human patients, said Kaplan.  
The researchers plan to begin work soon linking the growth of tumors with nutrition. "We are pretty certain that nutrition has a definite effect on the growth and inhibition of cancer," according to Kaplan.  
The colony of almost 5000 mice, located in Third College Laboratory on Mathews campus is one of the largest in the United States, said Kaplan.

## Colony of 5,000 Mice Test Subjects

can determine how to try to inhibit the growth of the cancer in the mice, eventually leading to an effective treatment for that cancer in humans, Kaplan explained.  
Kaplan and Sato are "just at the beginning" of what they feel can be accomplished with the experiments. They hope to eventually have a system which can find treatments for many kinds of human cancer.  
They have already found a drug which appears to be effective against a number of cancers of the colon

The research is funded by the National Institute of Health with a small amount from the American Cancer society. While Dr. Kaplan would not give an exact figure, he did say that "to properly conduct research of this nature requires at least a million dollars a year." The work had been going on for almost three years.  
Approximately 35-45 people work on the project, including graduate students, post-doctorates, medical students and undergraduates.  
"We owe a lot to those first students," he said. "Without them the project would probably never have gotten to where it is today."

Experiments for Spacelab  
Continued from page 1  
disease from the effect of gravity on the organ. Both factors significantly alter the lungs' efficiency in channeling oxygen into the bloodstream, and carbon dioxide out.  
Some of the accepted experiments may be terminated by NASA during a future selection phase. Final acceptance will rely, in part, on more detailed experiment descriptions and experiment equipment needs. The names of those given final approval for the mission will be announced Nov. 1, 1980.  
Spacelab will be transported to earth orbit in the space shuttle orbiter. It will remain with the orbiter throughout the mission, then removed and outfitted for its next assignment after return to earth.  
NASA designed the laboratory for re-use about 50 times. It will house facilities for as many as four laboratory specialists,

## Expert on Iran to Speak

Continued from page 13  
to Tehran.  
Bill is the author of *The Politics of Iran*, co-author of *Politics in the Middle East*. His article, "Iran and the Crisis of '78," which appeared in *Foreign Affairs*, attracted attention for its analysis of the weakness of the shah's regime.  
"The Iranian government's most serious recent tactical shortcoming," he wrote then, "concerns its policy toward the religious leaders."

## Guardian Wants You

Writers interested in working for *The Daily Guardian* should attend a writer's meeting this Friday at 3:30 pm in our new offices at the former Coffee Hut.  
Positions are open in Arts, Sports, Science and News.  
Continuing writers should also attend Friday's meeting.  
There will also be a general staff *Guardian* meeting at 4 pm Friday in the *Guardian* offices.



### GENERAL INFORMATION

**REGISTRATION HOURS.** Monday, January 7, from 10AM to 6PM  
Tuesday-Friday, January 8-11, 10AM to 4PM  
Register in person at the Crafts Center which is located on the Revelle Campus between the Student Center and Bonner Hall. Students, faculty, staff and spouses are required to show valid identification at time of registration.  
**FEES:** Classes, ceramic studio membership, photography darkroom membership:  
UC students and spouses \$28  
UC faculty, staff and spouses \$40  
All others \$55  
Materials, workshop, and children's class fees are listed with course descriptions. All fees are due and payable at time of registration.  
**REFUNDS:** Full refunds will be made to students wishing to drop a class during the first week of classes, January 14-19. The last day for refunds is Monday, January 21. No exceptions.  
**NOTE:** Due to limitations of studio facilities and equipment, some of the classes and workshops will have limited enrollment. Registration will be on a first come, first served basis. In the case of a filled class, your name will be kept on a waiting list and you will be notified immediately when an opening occurs. Please enroll early.  
**REGISTRATION WEEK JANUARY 7-11**  
For additional information, call: **THE CRAFTS CENTER, 452-2021**

### CHILDREN'S CLASSES

**Ceramics:** This class is designed for children to experience the tactile three-dimensional possibilities of clay. Emphasis will be on handbuilt construction. Materials will be provided. Ages 6-10.  
Fee: \$10  
Thurs. Jan. 17-Mar. 13

**Crafts For Children:** A workshop for youngsters 6 to 10, to express their creative instincts. They will explore the world of wood, clay, and fabric. Projects will be placed on design, color, texture, and development of craftsmanship. All materials provided. 9 weeks.  
Fee: \$10  
Mon. Jan. 14-Mar. 10

### YOGA

Self-exploration through the practice of Hatha Yoga postures, breathing and concentration. Attention will be given to the possibilities of letting go of chronic tensions and discovering new energy sources. 9 weeks.  
Fee: \$25  
Tues. 5-6:30PM, Jan. 15-Mar. 11  
Ariane Hinkle

### DRAWING

**Beginning:** An introductory course designed to furnish the beginning student with basic drawing skills. A variety of drawing techniques and materials will be explored including silver point, ink and wash, perspective and photo transfer. 9 weeks.  
Thurs. 6-8:30PM, Jan. 17-Mar. 13  
Richard Christensen

**Advanced:** This continuing studio course will explore advanced problems of drawing with an emphasis on the student's individual interests and direction. Special problems will include collage, transfers, serial drawing, life-model and more. Students are requested to bring examples of past work to the first class meeting. Prerequisite: Beginning Drawing or equivalent. 4 weeks. \$25.  
Wed. 6-9PM, Jan. 16-Feb. 6  
Richard Christensen

### PHOTOGRAPHY

**Slide Touring: A Photography Workshop:** In this course designed for beginning and intermediate students, emphasis will be placed upon travel photography subjects and skills with specific attention paid to the use of color film. The student will be presented with writing material covering the basic operation of a small format camera and the shooting of architectural subjects, landscapes (close-ups to distant overviews) and people. Further explication will be developed through lecture and sample slides. The first class meeting will be a lecture and illustration of basic photographic principles. The second meeting will be a class outing and photo session. The final meeting will be a slide review of outing shots with a discussion period. 3 meetings.  
Saturday, Jan. 19, 9-12 noon  
Sunday, Jan. 20, 10AM-4PM  
Third meeting to be arranged in class.  
Sandra Williams  
Fee: \$35

**SPECIAL DARKROOM TECHNIQUES:** This one day seminar will explore the use of high contrast Kodalith film to make drop out negatives, positives, halftone, and patterned sandblasters. Students are asked to bring a variety of continuous tone negatives to work from. Kodalith and some print paper included. Prerequisite: Darkroom experience.  
Sat. February 16, 9AM-3PM  
Bill Bible  
Fee: \$15

**BUSINESS PRACTICES FOR THE ARTIST**  
A course designed to relay effective and practical business principles to the career artist. Topics will include planning a small business, finding sources of capital, marketing the product or service, and presenting an organized image. 9 weeks. \$25.  
Mon. 6-7:30PM, Jan. 14-Mar. 10  
Janene Farmer

**STAINED GLASS**  
**Beginning:** An introduction to glass leading and fabrication for both windows and three dimensional objects. Instruction will focus on constructional methods as well as aesthetics. 9 weeks.  
Tues. 6-9PM, Jan. 15-Mar. 11  
Randy Gallan

**Intermediate:** Professional techniques of working in glass will be presented, including large window construction, light box pattern cutting, copper foil lamps and sculptural forms. Some class time will be devoted to exploring the use of kilns in forming and sagging glass. Students are requested to bring previously completed glass projects to the first meeting. 9 weeks.  
Wed. 6-9PM, Jan. 16-Mar. 12  
Randy Gallan

**Portfolio Photography:** A Photography workshop for ALL Crafts Center students to learn how to correctly document their work with both color slides and black and white photographs. Proper use of the camera, film, lighting, and types of presentations will be covered. Students are asked to bring examples of their work.  
Saturday, February 9, 9AM-1PM  
Sandra Williams  
Fee: \$15

**Photo Presentation:** A one day workshop with a variety of approaches to the presentation of the photographic image. Instruction will include dry mounting, window mats, simple binding, and framing. Students are asked to bring a variety of prints.  
Saturday, March 8, 9AM-3PM  
Sandra Williams  
Fee: \$15

**KILN FIRING WORKSHOP:** Practical instruction in the complete process of kiln firing. Participants will be involved in all aspects of loading and firing both bisque and glaze. This design, theory, and construction will be covered. One meeting.  
Friday, February 15, 9AM-4PM  
Ron Carlson  
Fee: \$15

### WORKSHOPS

**CERAMICS**  
**Beginning I:** A survey course designed to introduce the beginning student to the complete process of ceramics. Emphasis will be on the use of the potter's wheel. Other clay forming methods, surface decoration, design, glazing and firing will be introduced. Each session will consist of a combination of lecture and demonstration followed by the practical application of lecture material. 9 weeks.  
Tues. 9-11:30AM, Jan. 15-Mar. 11  
Kathy Gruzdas  
Wed. 1-3:30PM, Jan. 16-Mar. 12  
Ron Carlson  
Wed. 6-8:30PM, Jan. 16-Mar. 12  
Ron Carlson

**Beginning II:** A continuation of Beginning I with emphasis on developing wheel skills and expanding techniques. 9 weeks.  
Mon. 6-8:30PM, Jan. 14-Mar. 10  
Eric Christian  
Sat. 9-11:30AM, Jan. 19-Mar. 15  
Mike Michaelsen

**Ceramic Studio Membership:** Non instructional use of the ceramic studio and equipment. Includes glazes, firing and studio access at least 70 hours per week for 9 weeks.  
Jan. 14-Mar. 14

**Intermediate:** A continuation of beginning ceramics with emphasis on improving proficiency on the potter's wheel. Decorative techniques, glazing, and kiln firing will be explained on a more technical level. Class sessions will combine slide lectures and demonstrations with practical application of lecture material. 9 weeks.  
Tues. 6-8:30PM, Jan. 15-Mar. 11  
Eric Christian  
Thurs. 9-11:30AM, Jan. 17-Mar. 13  
Kathy Gruzdas

**Handbuilding:** An innovative approach to hand building, this class will focus on an exploration of working clay without a wheel. Much of the time in class will be available for the student to develop forms during the lecture demonstration. Areas of instruction will include slab and coil forms, texturing, glazing, tiles and the use of patterns to make specific forms. 9 weeks.  
Wed. 9-11:30AM, Jan. 16-Mar. 12  
Lana Wilson

**Black & White Photography:** A lecture series. An exploration of photography through its history, form, its interpretation, and its practitioners. We discuss how technological developments have affected photography and increased the variety of image recording methods. A brief historical overview of photographic works of the last century will be shown. Major emphasis will be on photographic interpretation, modern works, and how these may pertain to works of students. (Class includes use of darkroom).  
Lecture - Wed. 7-8:30PM, Jan. 16-Feb. 6  
Lab - 2 hrs. TBA  
Sandra Williams

**WOODWORKING**  
**Beginning:** An introduction to power tools and creative woodworking. Instruction will include the proper use of the drill press, bandsaw, lathe, table saw, power sander, and a variety of hand tools. Shop skills will be applied with individual ability to conceive, design, and construct in wood. 9 weeks.  
Materials Fee: \$10  
Thur. 6-9PM, Jan. 17-Mar. 13  
Michael Moudon

**AUTO**  
**Tune-Up Workshop:** This workshop offers an opportunity to perform a basic electrical tune up on your own car. Learn the procedure for replacing plugs, points, condenser, servicing air and gas filters, and a check of the operation of the fuel system. No prerequisites. One meeting.  
Saturday, March 1, 9AM-4PM  
Jim McCoy  
Fee: \$15

**PHOTOGRAPHY**  
**Beginning:** Instruction in the basic concepts and skills of photographic tools and techniques, with emphasis on recognizing and exploiting the camera as a tool. The class will be taken step-by-step from camera operation, to accurate film processing, to color printing techniques, through final presentation methods. Class includes use of darkroom facility. 9 weeks.  
Lecture - Wed. 7-8:30PM, Jan. 16-Feb. 6  
Lab - 2 hrs. TBA  
Sandra Williams

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Lecture - Wed. 7-8:30PM, Jan. 16-Feb. 6  
Lab - 2 hrs. TBA  
Sandra Williams

**BASIC AUTO**  
This course is an introduction to automobile maintenance, on-the-road emergency procedures, and minor repairs. Some of the areas to be covered are engine operation, tools, tune-ups, brake adjustment, and general trouble shooting. No fuel injection or electronic ignitions. 6 weeks.  
Sat. 9AM-1PM, Jan. 19-Feb. 23  
Jim McCoy

**Portraiture:** A class for students who are interested in taking pictures of their friends and families. Theory and technique will be discussed. Emphasis will be on problem solving and creating your own style. Lectures, slides and critiques will be designed to help the student gain the knowledge and self-confidence to use the most intimate form of photography. All work will be done in black using available light. Class includes use of darkroom. Prerequisite: Intermediate experience level.  
Tues. 6-8:30PM, Jan. 15-Mar. 11  
Louise King

**Photography Darkroom Membership:** Non instructional darkroom use of the Crafts Center darkroom. Black and white facility only. 9 weeks.  
Jan. 14-Mar. 14

**QUILTING**  
This course offers instruction in both traditional skills as well as short cut techniques of quilting. Each student will be involved in a variety of quilting techniques that will provide quick results for the beginner and add new dimensions for the continuing student. 9 weeks.  
Mon. 6-9PM, Jan. 14-Mar. 10  
Ruth Briggs

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Ruth Briggs

# Goalie, All-American Honored



Elaine Bergman

Elaine Bergman starred on the nationally ranked volleyball team last season as the team's number one hitter. She won several honors during the last months, including Most Valuable Player at the Westmont College tournament, first team All-League, All-Region, and All-American honors for her play. She is a sophomore in her second year on the team.

Morris, also a sophomore, recently finished his second season as goalie for the water polo team.

"He doesn't let his emotions or

anxiety show during the game," said his coach, Russ Hafferkamp.

"He's the most non-egotistical goalie I've ever coached." He once had 28 saves in a game against Loyola this season. Hafferkamp credits his directions to players during the game with improving the team's offensive counterattack.

Today in Sports-Tuesday, January 8  
Women's Basketball plays USIU in the main gym tonight at 8 pm.



Willie Morris

# Classifieds

Medical: Part-time - Front office. Ins-Transcription: La Jolla. TOP PAY - 454-4552. (1/8)

Typists: IBM exper/theses/disser/term papers/editing. RUSH jobs! 453-0656, 452-1588, 286-4936, 225-1449, (6/15)

SPORTS WRITERS NEEDED for Daily Guardian. No experience necessary-just an interest in sports and an aptitude for writing. Meet at Guardian office (formerly Coffee Hut) Thurs. 7:30 pm or call 452-3466 (1/10)

ORGANIZATIONAL MEETING for CIRCLE "K"! Interested in people? come join us! At the Revelle Informal Lounge, 7 pm. Wednesday, January 9!!

Term paper blues? Will type and edit English, Scientific, all theses and dissertations. Sue: 729-9543. Carlsbad. (1/18)

Carnegie A-440 offers positions as servers for energetic, intelligent, self-initiating UCSD students. Apply in person anytime. Must have some lunch & dinner hours free. Start \$3.10/hr. plus tips. 2212 Carmel Valley Road. (1/11)

MURAL CONTEST for new Warren Apt's Rec center. Wall size approx 20' x 12'. For info call 452-4561. (1/7,14,21,28)

JENNY'S HOME TYPING - Term papers, theses, diss. Days and eves. 225-1449. (6/7)

HOMEWORKERS: Earn \$50.00/hundred securing, stuffing envelopes. Free details, reply: Titan, L14W, Box 94485, Schaumber, Ill. 60194 (2/1)

Excellent employment opportunities available at Siezallo's. Counter work and cooking. No experience necessary. \$3.25/hr. Must have some lunch & dinner hours free and own transportation in order to work. Apply in person 2206 Carmel Valley Road, Del Mar. (1/11)

Medical: Part-time - front office. Ins-Transcription: La Jolla, TOP PAY - 454-4552 (1/8)

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### THE DAILY GUARDIAN

...will hold its first news writers' meeting this Friday, January 11, at 3:30 pm in our new offices. Both new and old staff writers should attend.

A general staff meeting will be held afterwards at 4 pm, for all production workers, staff writers and new writers.

san diego actor's theatre

&  
s.u.t.s.  
present

# -CELEBRATION-

## HSS-2250 JAN. 10-13 8:00 p.m.

tickets - \$2.50 - students - \$1.50  
call 452-EDNA for further info.

a musical

### ATTENTION:

The Daily Guardian, your ever-vigilant paper, is on the look-out for energetic, capable, intelligent, self-motivating, handy, cheerful, thrifty, clean, reverent, diligent, cautious, loyal, dependable, intuitive, inspired, far sighted paste-up and general production persons.

If you are interested, (and not especially modest), give us a call at 452-3466 or drop by our offices in the Coffee Hut.

# THE END

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This store is rated a perfect "10"

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20% off on all clothing, and  
10% off on all smoking paraphernalia—with this ad only  
offer good thru January 31, 1980.

## NEW COURSES PHILOSOPHY DEPARTMENT WINTER, 1980

Philosophy 1—  
The Nature of  
Philosophy  
Gerald Doppelt  
MWF 2:00-2:50  
HL 1438

Philosophy 118—  
Philosophy of  
Medicine  
Ronald Munson  
(Visiting Professor)  
MWF 11:00-11:50  
HL 1148

Philosophy 424—  
Contemporary Moral  
Issues  
Barbara Winters  
1/Th 3:00-4:20  
USB 3070

Philosophy 185—  
Philosophical Issues  
in Psychiatry and  
Abnormal  
Psychology  
Ronald Munson  
MW 3:00-4:20  
USB 4050 A

For further information concerning these and all Philosophy Department courses, consult the course brochure in our department, HL 3112.

## Don't Miss Out!

Juilliard  
String Quartet  
January 22, Tuesday

Melos Quartet  
March 15, Saturday

Quartetto Italiano  
April 28, Monday

Single tickets for all three quartets are on sale now!

Don't miss this rare opportunity to hear these three incomparable quartets.

All performances at 8:00 p.m. in Mandeville Auditorium

UCSD Box Office  
452-4559

University Events Office

## Classifieds

Men! Women! Jobs! CRUISESHIPS! SAILING EXPEDITIONS! SAILING CAMPS. No experience. Good pay. Summer. Career. NATIONWIDE. WORLDWIDE! Send \$4.95 for APPLICATION/INFO/REFERRALS to CRUISEWORLD 205 Box 60129. Sacramento, Ca 95860 (1/30)

WARREN APARTMENTS BASH & RAFFLE BAND ORION 8:30 ON. TICKETS 50¢ GREAT PRIZES — PLACE WARREN APT CIRCLE(1/11)

To the cute guy I sat next to in Bio 11 let's meet again-Warren Apts at their party Fri 11 8:30 KR (1/11)

To the beautiful girl across the aisle in Chem. 4A final see you this Fri 8:30 Warren Apts BASH FM (1/11)

To my babe CRE, sorry about the crabbies! Honeytoots. (1/8)

## NCW Will Help Poor

Continued from page 2

quence is costly urban sprawl. There are some who would argue for another alternative—who believe that by deliberately failing to provide schools, other public facilities and by not building homes, we can control our population. The evidence shows clearly that lack of facilities does not keep away immigrants, whether we are talking about Chicago, or Cairo, or next door to us in Tijuana.

The average price of a new home in San Diego is approximately \$106,000 and rising at double digit rates. In order to qualify for a lien on the average home, an income of

more than \$40,000 is necessary. Most young people are priced out of the new home market and probably out of the used home market also, because the supply of moderately priced housing is insufficient to meet the demand. It is imperative that we meet our responsibilities and prevent a situation where only the rich and fortunate can afford housing in San Diego. The development of North City West is a part of the overall plan to provide a variety of well-planned housing to accommodate some of the people with smaller pocketbooks.



Despite its December closing, Pat Romans and Jim Stone took their lunch hour beneath the eucalyptus trees at the Coffee Hut. Guardian photo by Matthew Giedt

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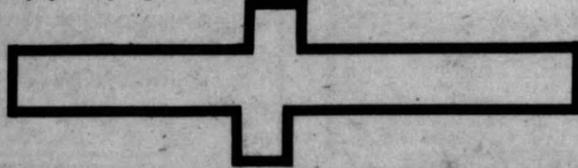


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Students report simple things like relieve nervousness, improve memory, overcome insomnia, enhance intelligence, improve creativity and understand the true cause of success and good health—to the more sophisticated things like develop ESP and using the mind to set goals, get information and solve problems.

Over two million people in 40 countries have taken Silva Mind Control, and so can you. To find out how, we invite you to a free seminar. But a word of caution: it will change your life, Silva Mind Control®

FREE LECTURE  
Jan. 9 & 10, 8 pm

NEXT CLASS STARTS  
Saturday, Jan 12, 10 am

Free Introductory Seminars held at:  
SILVA MIND CONTROL OFFICES  
4508 MISSION BAY DRIVE, SAN DIEGO  
FOR FURTHER INFORMATION CALL 297-0758

FEBRUARY 9 IS  
**CASINO NIGHTS**



# DEALERS WANTED\*

All students, faculty and staff invited to participate.

(for craps, roulette, poker, keno, blackjack)

\*TRAINING PROVIDED



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Department of Physical Education

