Poly splitting at seams from increase in applicants

BY CYNTHIA BARAKATT

The popularity of Cal Poly's programs is a strain on some of the university's deans and administrators.

Dean George Hasslein of Architecture and Environmental Design, for example, reflects the quiet frustration of many who simply don't have enough room.

"Morally we should grow, but practically, we can't," Hasslein said in a fax relayed among the deans of Cal Poly's most popular programs.

Hasslein's school is the largest of its kind in the United States and there are only another architecture and environmental design schools in the entire state. There are 1,500 students in his school matriculating at Cal Poly, but Hasslein must refuse admission to that many applicants every year. He has room for only 400 new students each term.

Please see page 4

Memo: Improve research at Cal Poly

MIKE CARROLL

To encourage the professional growth of faculty members, administration officials and faculty are formulating a new policy that may assign increased importance to the role of research at Cal Poly.

The university research committee of the academic senate earlier this year distributed a draft memorandum to all faculty and professional/consultative staff members that states "research is essential to maintaining Cal Poly's place in post-secondary education in the state and the nation."

The report also calls for the improvement of the environment for research and professional activities here.

"Changes in both the institution and in the industries and professions serve have made this need for a change inevitable," the memorandum says.

The report was made at the request of President Warren Baker. In fall of 1979, Baker cited research as an area of increased emphasis to Cal Poly's academic goals.

The chairman of the research committee, Delmar Dingus, said his committee's memorandum reflected a "compromise between extremes of feelings" over an increased emphasis on research. He noted the report reflected a view all committee members could agree upon.

Please see page 4

Chemists work to push back emphysema, arthritis

BY ANGELA VENGEL

Staff Writer

It's seemingly impossible to push back the effects of arthritis and pulmonary emphysema, according to two Cal Poly organic chemists. But Jan Simek and Michael Silvestri say there is a possibility of stopping further development of such diseases.

"We are presently trying to synthesize a molecule that will inhibit the action of an enzyme, Elastase, which destroys elastic tissue," said Silvestri.

"Pulmonary emphysema and arthritis are caused by a breakdown in elastic tissue," he added.

Elastase, the compound which Simek and Silvestri are attempting to synthesize, inhibits the formation of the enzyme Elastase.

"We are attempting to design a process where we can economically build this molecule so larger quantities can be tested. If it works it can be used in the prevention of disease," said Silvestri.

The majority of drugs are synthesized, according to the two organic chemists.

Most drugs are made through organic synthesis. We expand on what nature gave us ... We start with less complex molecules and build the more complex ones," said Silvestri.

Although the project is still in its infancy, the professors aren't too far from realizing partial success, according to Simek.

One Cal Poly masters student, Brooke Phister-Hall, is working on a model to see if the synthesis proposed for the project will work.

"So far it has," said Simek.

Simek's Chemistry 541 class is making the chemicals which are starting material for the synthesis.

Starting costs for the project were covered by a $1,000 grant from the School of Science and mathematics dean's overhead research account. Simek and Silvestri are now looking for money from outside sources.

"We get little bits here and there. The department has been very generous," said Simek.

"We picked this research project partly because it didn't require a lot of expensive equipment. We had to pick something that could be done at Cal Poly. We're both organic chemists and we're interested in the synthesis of natural products," he said.

Dog shot for chasing sheep

BY MIKE TRACHIOITIS

Staff Writer

A Golden Retriever dog that was "attacking and worrying" sheep in a Cal Poly pasture was shot and killed Monday afternoon by an unidentified student, according to a campus police spokeswoman.

Pauline Hardy of the university police said the dog, which was running free in a pasture near the Cal Poly airstrip, could not be brought under control by its owner, student Hillary Boyles.

A student and Dr. Edward Henry, a veterinary science professor, saw Boyles chasing her dog, said Hardy who added that the student fetched a gun when the dog remained out of control.

"The dog was chasing a ewe and pinned it against a fence and knocked it down," she said.

At this point the student and Henry gave Boyles another chance to catch the dog, but she was unsuccessful. The student, following the advice of Henry, then shot the dog. Hardy said.

After the first shot "the dog was still alive, so Dr. Henry determined that the dog should be shot again because of the nature of the initial wound," said Hardy.

Senior Paul O'Donnell, who said he witnessed the event, said: "The dog was running the sheep, but it never touched any of them. It was sick."
Saudis cut relations with Libya

RIYADH, Saudi Arabia (AP) — Saudi Arabia severed diplomatic relations with Libya on Tuesday in a dispute between the oil-producing giants over the Saudis’ acceptance of four special American radar planes to monitor the Iraq-Iran war.

Exxon Corp., which receives oil from both Arab countries, said in New York that neither nation had advised it of any changes in the oil company’s operations as a result of the rift.

A statement broadcast by the Saudi state radio said: “This could no longer be tolerated. We cannot re-

Radio Riyadh said: “This exceeded all limits, extending after Libyan attacks “ex-

said the decision was taken by the Saudi state radio

pany’s operations as a re-

result of the rift.

York that neither nation

countries, said in New

tions with Libya on Tues-

American radar planes to

monitor the Iraq-Iran war.

severed diplomatic rela-

between the Saudi and Li-

Mecca, Khadafy argued

that the holy places had

been desecrated because

Khadafy, who supports

U.S. planes desecrate d

Iran in the war, charged

that the presence of the

Libyan leader Col. Moammar

Khadafy, who supports

Iran in the war, charged

that the presence of the

huge military presence in

Mecca, Khadafy argued

enemies, and called for a holy war to

liberate them. Because non-Muslims

were not allowed to enter

Mecca, Khadafy argued

that the holy places had

been desecrated because

the airborne warning and

control system planes—
called AWACS—were

piloted by Americans

did not favor any deal

which would trade spare

parts of military equip-

ment to Iran in exchange

for the release of the 52

hostages.

The recent swif 

rumors and speculation

about a possible release of

the hostages has fueled a

substantial public expecta-

tion that they will indeed

be freed.

Thirty-eight percent

of those interviewed Oct. 22-24 said they expected the hostages to be released in

the next few weeks.

Twenty-five percent said

the release will come later

this year and 21 percent ex-

pected they would still be

held next year.

The hostage issue has, in

fact, become more engag-

ing as President Carter has

announced plans to host a

presidential election.

Carter said he would like to maintain

fundamentalpeace in the

region, but made no mention

of how President

Khomeini said “peace

will be”

would be independent.

confirmed.

In a nationwide broad-

cast, Khomeini said “peace

is not acceptable” in the

six-week-old war with Iraq.

He attacked President

Carter as well as Iraq:

President Saddam Hus-

sein, but made no mention

of the American hostages.

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War rages, Iran rejects peace
BEIRUT, Lebanon (AP) — Iran claimed an upsurge of fighting Tuesday, with its forces on the counter-offensive as revolutionary leader Ayatollah Rohollah Khomenei rejected “any reports or speculations” of its “crimes” in the Persian Gulf war.

Tehran Radio claimed Iran’s forces killed 330 Iraq-

i soldiers in Iran’s western provinces and

pushed the Iraqis back

about 11 miles, but was

unclear exactly where the action occurred.

But the radio said Ira-

nian forces opened an Ira-

qi advance at the oil

refinery city of Abu-

dad in the Shatt al-Arab

river.

It also said Iran’

forces on the counter-

offensive, as revolutionary

forces killed 330 Ira-

nian forces.

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On Campus Interviews
Monday, November 10

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S A E will race modified truck

BY MICHAEL WILSEY Staff Writer

What do the Baja 1,000 off-road race and the Cal Poly chapter of the Society of Automotive Engineers have in common? They will both be taking place under the hot sun in Baja California, on the weekend of November 6-7.

The opportunity to race in Baja 1,000 has a goal for the society has been working toward for a long time. About a year and a half ago, club officers started making their contacts in the business world to try and come up with a truck for the race. The work finally paid off last year, in the form of a new pickup truck from Toyota U.S.A., said project chairman Bryan Kudela.

The Society of Automotive Engineers, a national organization, has been active on campus for the past 30 years, although it is not one of the more socially active clubs. The Cal Poly chapter at present has about 60 members, 90 percent of these are Mechanical Engineering majors. Yet the only requirement to join is interest in automobiles.

The truck will be racing in the modified stock class, which states that all the major parts must be original equipment, but "after-market" products can be added. This meant the truck has to be torn down, and rebuilt from the frame up by members of SAE, Kudela said.

Over 5,000 hours of brazed knuckles, headlights and near new- work breakaway, have gone into preparing the truck for the race in the last eight months. Another $30,000 will have been invested in the vehicle before race day actually arrives, said Kudela.

The parts for the truck which are not made by members are donated by sponsors. Sponsors range from local, such as Phil's Machine Shop which did the engine work, on up to national companies such as Firestone and Toyota Motor Co. Donations vary from aircraft nuts and bolts, to a complete truck.

This year will be the first time SAE members have entered the 1,000 kilometer, 28-hour non-stop race. Driving the truck this will be Kudela and Mario Santellan.

At present the Society of Automotive Engineer's truck is just an odd assortment of parts. But by Nov. 6 these parts will be transformed into a modified truck which the SAE will race in the Baja 1,000.

Voyager finds 2 Saturn moons

WASHINGTON (AP) — America's Voyager 1 spacecraft, rapidly closing in for an encounter with Saturn, has found two new moons and confirmed three others circling the ringed planet, scientists said Tuesday.

The robot craft, 12.8 million miles from Saturn and closing at 45,000 mph, pinpointed the new moons—the planet's 13th and 14th—in pictures taken last weekend.

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**Poly mailbox is stuffed with application forms**

From page 1

Dean Robert Valpey of Engineering and Technology knows the feeling as well. There are 3,870 students enrolled in the school. The number of applicants who apply and are accepted varies from year to year. But in fall 1980, 2,280 applied and only 1,048 were accepted.

Dean Robert Coe of the School of Business is in a worse situation. For every three applicants which he accepts, seven are turned down. There is room for only 464 new students, and 1,655 applicants.

The two deans—Valpey and Coe—are frustrated even more by their inability to attract new faculty from business and industry because they say instructors' salaries at Poly are too small.

 Ironically, the Cal Poly program that put San Luis Obispo on the academic map—agriculture—is suffering a decline in enrollment. The decline is bad news for Dean of Agriculture and Natural Resources Howard Brown and others because they were counting on a new agriculture building as described in the bible of those administrators who shape the face of Poly—the Master Plan.

Brown says he doesn't want a large increase in his school's student population if it means greater demand on other schools facilities. Brown, however, would like 300 to 400 more students added to the school's enrollment of 4,576 in order to satisfy enrollment requirements for the new agriculture building.

Tomorrow how Cal Poly will grow in the next few years and the effect of such growth on San Luis Obispo, the city in which most Cal Poly students live.

**Committee urges faculty to do more researching**

From page 1

Dingus said about 120 faculty members reacted to the memorandum since it was distributed at the beginning of fall quarter.

"The reactions were very supportive of the document," the committee chairman said.

There was very little criticism of the report as a whole, he said, but there was criticism on specific proposals listed in the memorandum.

For example, Dingus said, faculty were critical of a suggestion that future buildings on campus should include more lecture halls that can accommodate 120 students or more. Larger classes, the chairman explained, means fewer professors would be needed to teach a course and faculty would have more time to involve themselves in professional activities.

Faculty members responded that larger classes might not be desirable.

Dingus, a soil science professor, also noted the responses he received to the research committee memorandum may not reflect the view of the university as a whole. He said only 15 percent of faculty responded to the document.

"Opinion polls require a 30 percent rate of response to be representative," Dingus said.

The research committee memorandum defines "research" as the creation of solutions to problems in the classroom, business, industry or government as well as traditional uses of the field laboratory, computer center or library to form "new and generalizable knowledge."

Dingus said the research committee's final report, including faculty responses, will be submitted to the academic senate in November. The senate will have the options of accepting, rejecting or revising the report, he said.

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Sensors boon to bike riders

Bicycle riders in San Luis Obispo will soon have an easier time turning traffic-light green.

Starting this afternoon, the city of San Luis Obispo will paint the pavement to mark the stop-light sensing wires embedded in the road. When a bicyclist rides onto the mark—a bicycle centered on a white line running parallel with traffic—octagonal wire loops will sense the metal in the bicycle and signal the stop-light.

City Traffic Engineer Richard Gordon said the city will test the markings at the intersections of Palm and Mill streets at Santa Rosa street.

‘Weird Al’ quits KCPR

Yankovic refused to say for the record why he quit the weekly three-hour production. KCPR program manager Christy Kuehler, said Yankovic quit “because he chose to,” and refused further comment.
Freshman spark early wins
Runners establish team tradition

BY GREGOR ROBIN
Special to the Daily

Two important reasons behind the success of the No. 8 ranked Cal Poly women's cross country team have been Amy Harper (left) and Liz Strangio. The two freshmen have led an improving pack for coach Lance Harter. The team is scheduled to compete this Saturday in the AIAW regional qualifying meet in Long Beach.

Two first year runners have secured spots on the women's cross country team, and Coach Lance Harter saw this as the start of a running tradition at the school.

"I think Liz Strangio and Amy Harper have adapted to our team philosophy, and have stepped in and tried to hold their own," said the coach of the conference champs. "We're attempting to build a tradition here, and these two are certainly a part of it."

Bagpipes

All are welcome to join the Central Coast Highland Society Pipe Band which performs at local events throughout the year. It practices on the third floor of the Presbyterian Church Annex at March and Owen streets Mondays from 7 to 9:30 p.m. Info Dr. Field, 548-6626.

Strangio has been running tough since her freshman year in high school where she started the girls' cross country team at Mission San Jose High. She told the men's coach that she wanted to run for the girls team, but there wasn't a team to run on so she started it.

"I was training with the guys and ended up being the first girl on the team," said the 18-year-old liberal studies major. "After that everyone went out and we had a girls team."

As a junior, the slender blonde distance ace led her team to the Northern California Championship, and as a senior she won the North Coast Championship. She then followed her brother, Steve, to Cal Poly. Steve is a runner on the men's team and she said his support has helped her.

"In high school he was really supportive, but I couldn't keep up with him in workouts," she said.

Now the number three runner, behind Maggie Keyes and Eileen Kramer, is getting ready for the Region Eight Championship this Saturday in Long Beach.

Strangio and Harper have been exchanging positions on the team all season, but there is no rivalry, Strangio said. "We're good friends," she said. "If she goes to pass me in a race it's all right. We help each other."

They raced against each other in high school, with Liz usually getting the better of the confrontations. Harper went to Prospect High School in Saratoga and as a senior placed second in the Central Coast Section Meet and fifth at the Northern California Championships.

Amy said she likes the running program at Cal Poly and like Strangio, plans to stay four years. "Coach Harter gets along well with the girls," she said. "He is a lot different than our high school coach, because he spends a lot of time helping us with our school work."

Help with her school work probably won't lower her times on the cross country courses, but putting her on the eighth-ranked team in the country must have done something for her times in the 5,000 meter cross country runs.

She has finished in the top twenty in every meet this season with a strong fourth place finish behind Strangio's second place at the Southern California Athletic Association Championships at Monterey Bay.

With Maggie Keyes finishing first, Strangio second, Janice Kelly third and Harper fourth, Cal Poly demolished Cal State Northridge, and UC Riverside.

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Coach Harter hopes that the youthful combination can help Cal Poly on the road to the nationals.

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DR. FREDERICK SEITZ ON ENERGY INDEPENDENCE.

"Nuclear energy is vital for reducing our dependence on expensive foreign oil."

America basically depends on oil, coal, gas, and nuclear energy as fuels to generate electric energy. President Carter declared that the U.S. must reduce its oil imports by nearly a half. To accomplish this we must rely more on other fuels, but especially nuclear.

Coal is abundant in America, but it is associated with potentially serious environmental problems. Health, transportation and labor problems are also frequently related to coal.

Natural gas is a valuable source that is getting more difficult to find. Its clean burning qualities make it better suited as a home fuel and for certain production processes.

Solar energy holds promise for the future, but we still haven't found an economical way to generate electricity from it.

Of all our alternatives, nuclear energy is in the best position to move ahead to help achieve our goal of reducing foreign oil imports. Furthermore, it costs less to generate electricity with nuclear energy than it does with oil, coal, or gas.

Last year nuclear generating stations saved the equivalent of nearly 20 billion gallons of oil in America. When California's Diablo Canyon nuclear generating station is in full operation, it alone will save 840 million gallons of oil a year. It also will save customers hundreds of millions of dollars annually simply because nuclear fuel costs less.

Clearly, we must reduce our dependence on foreign oil. Just as clearly, we need to rely on nuclear energy to help meet that goal.
Don’t license it!

The years of indecision about Diablo Canyon nuclear power plant are leaving a continuing impact on the people of San Luis Obispo and especially at Cal Poly. Graduates leave this university and carry their ideas on the subject all over the world and new students are greeted with orientations as soon as they arrive. Different city and campus groups solicit the attentions of incoming freshmen during fall quarter and are confronted with many different arguments.

To arrive at a stance on any issue we go through a reasoning process based on the judgments of experts and vocal parties, such as the Mothers For Peace and Students for Adequate Energy—and from all of these opinions we consolidate from our own frame of reference a point of view we call our own.

There is much confusion about Diablo hitting us from all sides that we become lost in the shuffle. Nobel laureates scream from full-page ads in the Mustang Daily and Telegram Tribune about the safety of nuclear power, while other top scientists flay the earthquake hazard of the Holgri fault and talk of death and destruction in San Luis Obispo county. Opposite opinions from experts leave the average citizen concerned, confused and desperate for some intelligent answers.

However, as evidenced by the seismic hearings held in San Luis Obispo last week, intelligent answers are scarce. The different seismologists, scientists and lawyers for both sides of the Diablo question presented their arguments before the Nuclear Regulatory Commission in hopes of proving their point.

The testimony showed once again that we are not ready for Diablo Canyon. Nuclear technology is not advanced enough and earthquake predictions not reliable enough to license the power plant.

A case in point is an engineering theory entitled the “tau effect,” which states that large buildings feel the effects of an earthquake less than small ones. Tau is the Greek letter for time—it refers to the time it takes an earthquake shock wave to move across a building’s foundation.

Scientists have postulated that as an earthquake sends shock waves through the earth a building with rigid walls—will “ride out” the quake the way a ship rides ocean waves. PG and E used the tau effect to justify reducing by five percent the earthquake shock the $2 billion power plant will be required to withstand.

But scientists disagree as to what causes the tau effect and to what extent it reduces earthquake shock. Here we are again, faced with yet another conflict about Diablo Canyon. PG and E and some NRC witnesses want the 5 percent reduction included, but plant opponents feel that because the effect hasn’t been defined and quantified, the cautious approach would be to avoid taking the tau effect into account at all.

The hearings last week were filled with unanswered questions and disagreement about unproven points from soil make up under Diablo Canyon and its shifting effects to the accuracy of a computer model of a hypothetical Diablo Canyon earthquake.

The evidence is not in, the technology is not there. Until we, as citizens of the United States, receive accurate, proven reports concerning earthquakes and their effect on Diablo Canyon, we should not stand for the licensing—at any power level—of Diablo Canyon.

Barry’s a commoner

BY MIKE CARROLL

in the background were sounds of a cocktail party. Then a male voice said. “Build it!”


A moderator broke in: “It’s too bad people have to use such strong language, but isn’t that what you think, too? That’s why we started an entirely new political party, the Citizens’ Party.

The truth is, we’ve got to break the power of the corporations. Profit-oriented corporate decisions have left the rest of us with high inflation, nuclear insanity and a poisoned environment. Believe, I’m Barry Commoner, the Citizens’ party candidate for president.

That was an actual paid political announcement that appeared recently on KHY radio in Los Angeles.

Before and after the ad, the radio station apologized for the offensive language. However, the party ad touched the pulse of the American people.

A freelance writer in Los Angeles, Lawrence Weschler, in response to the

Letters

Writer off on Mary Poppins piece

Editor:

I am writing in response to the editorial published in October 17, 1980 issue by Mary Kirwan, titled “Minorities Are Too Sensitive” in which Ms. Kirwan laments the removal of Mary Poppins from the shelves of the San Francisco Public Library as a “misdirected” act due to “hypersensitive minority groups”.


If so, she might modify her statements, particularly in light of the text and illustrations in “Bad Tuesday” chapter. Although I do not presume to speak for the Children’s Services Division of the San Francisco Public Library, I can understand their re-evaluation of the work in terms of present day societal values which differ from the conditions and concepts under which Ms. Travers wrote the novel almost fifty years ago in Great Britain i.e., behavior of color, their speech patterns, and their physical appearance.

The issue of censorship vs. selection is a controversial one in the library profession. Critics such as the development of the child’s knowledge and attitudes through literature, the literary and illustrative quality of the work, and the right to read at pre-school levels enter into the discussion.

Ms. Kirwan has taken a simplistic approach to a complicated issue.

Bene Rockman
Cal Poly Reference Librarian