

# EL GAUCHO

Vol. 50 - No. 126

Friday, May 15, 1970

University of California, Santa Barbara



THE UCEN has been the scene of flourishing activity this week. Last night, a threat of four bombs set to explode at 8 evacuated the building.

Photo by John Franklin

## Research grants listed

(Editor's Note: following is a list of contract funds received from various governmental agencies for research on the UCSB campus from 1963-1969. The information was obtained from the UCSB Research Office. Contracts from the Department of Defense, the Navy, the Atomic Energy Commission, the Air Force, the Army and the Advanced Research Projects Agency (ARPA) of the Pentagon, the Department of State and NASA are not considered war-related research by the University or by individual professors to whom contracts have been granted; the common argument is that the funds are given for "pure" and not "applied" research, and are thus not war-related. Others contend that mere acceptance of the grants from such agencies supports the war effort of the U.S.)

	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69
NSF	\$642,129	\$1,327,624	\$1,448,127	\$1,455,491	\$1,582,874	\$1,762,217
PHS	107,939	269,572	548,204	856,855	1,098,867	1,218,233
NAVY	100,477	159,035	196,924	190,529	184,388	204,874
NASA	70,076	34,600	162,358	120,703	88,272	269,223
AEC	-	-	93,000	235,000	257,961	210,000
AF	18,480	106,620	425,586	51,436	64,985	181,659
HEW	-	-	50,083	34,125	46,057	44,621
ARMY	61,057	45,048	41,000	102,975	32,527	28,373
OE	-	87,834	109,800	142,547	188,018	452,886
ARPA	-	-	-	749,038	499,541	406,939
DEPT. OF INTERIOR	-	-	-	4,554	4,860	24,428
DEPT. OF STATE	-	-	-	-	20,858	-
LANGLEY RESEARCH CENTER,	-	-	-	-	-	-
NASA	-	-	-	-	-	11,327
NEH	-	-	-	16,270	-	-

(KEY: NSF, National Science Foundation; PHS, Public Health Service; AEC, Atomic Energy Commission; AF, Air Force; HEW, Health, Education & Welfare; OE, Office of Education; ARPA, Advanced Research Projects Agency (Pentagon); NEH, National Endowment for the Humanities.)

## LEG COUNCIL ENDORSES

# Demands and memorial

The national demands in conjunction with the student strike and the proposed "National Crisis" course were endorsed, and the Walter Reuther memorial service was supported at this week's Leg Council meeting.

The national student demands of 1. ending the war in Indochina, 2. freeing all political prisoners, including Bobby Seale, and 3. removing ROTC from campus and terminating war-related research in the university, were endorsed by Council.

Secondly, Council resolved to petition all academic departments to pass the enactment of the "National Crisis" course. Several

members, including Castulo de la Rocha and George Behlmer, called the course, which will enable students to continue their present academic studies, and/or participate in the alternative academic action, "a liberal co-op."

Expressing "deep regret for the loss of this great man who constantly channeled his efforts not only to lessen the plight of the working man but also to improve the welfare of all mankind," Council endorsed a resolution in support of Sunday's memorial service for the UAW's late Walter Reuther.

"We hope that his death will not mark the end of his

concern for social equality, unity and peace throughout our nation but rather mark the fulfillment of these goals utilizing the common bond of labor and students," the resolution concluded.

In other action, Council explained their appropriation of funds for the "Upward Bound" project, allocated remuneration to a participant of the recent 20 mile "March for Mankind," and refused to give a stipend to Kenneth Rexroth of the English department for teaching an extra class.

The election results, with the exception of the RHA contest, were deemed official.

## 'National Crisis' course sign ups

By MIKE CALLAHAN

At a rally called yesterday by the faculty sponsors of the "National Crisis" course, Biology Professor Joseph Connell announced that the course is "fully approved and now exists." He added however that "all we have is a skeleton. We need students cooperation to give meat to the course."

Chuck Newman, a student who helped organize the course, explained that at the present time the units from the "National Crisis" course count only toward the 180 units needed for graduation. The individual departments and colleges will decide later whether or not credit would be given toward major requirements or general education requirements.

Newman further explained that all fees for add and drop petitions would be waived and registration for the new class would be free. All units taken under the "National Crisis" course can be taken on a pass/not pass basis.

Registration for the class will be held today, Friday, in Robertson Gym from 1-5 p.m. All students will register for X-100. "The National Crisis: Its Causes and Solutions." Individual students will then sign up for the section they wish to enroll in. Each section will be different and explanations of these differences will be supplied at registration.

After these instructions were given, the nearly 500 students present gathered around tables of faculty sponsors from the various departments to begin formulating the basics of the sections.

Assistant Professor Martin Legassick told of a

proposed three section course being put together by himself and eight other professors. He said that the three sections would be "built broadly around the three demands of the strike." He stressed that as much freedom as possible would be allowed to students to work against the war.

The three sections will be: "Social Roots of Contemporary Foreign Policy" under Legassick, Milton Mankoff and Walter Buckley; "Methods of Social Control" taught by Richard Flacks, Gary Schulman and Richard Harris; and "Social and Economic Impacts of the War" with Andy Winnick, Harvey Molotch and Larry Wieder. Molotch said that "our teaching is geared to stop the war by any means."

In the chemistry department, Assistant Professor Peter Ford will have a section that will emphasize individual and group research. The political science department will be having two sections: "The Impact of the War on American Politics" and "The National Crisis."

Under the direction of Connell, the Biology department is planning to offer a section on ecology issues. The course will involve informing the public of the dangers of our environment, making companies aware of their guilt as polluters and working with politicians and lawyers on the problems.

Nearly all of the other departments are offering similar sections under the X-100 course. It is suggested by these departments that students who are interested contact them and give them their ideas for specific plans. Explanations as detailed as possible will be available at registration today.

## Senate asks no ROTC credit

By BECCA WILSON

UCSB's Academic Senate voted yesterday, in a vote of 109-95, to recommend that credit for ROTC be completely removed after the end of this quarter. The Committee on Undergraduate Courses has the power of removing credit, upon recommendation of the Senate. It is considered quite possible, however, that the resolution will be defeated in a mail ballot which will be sent to all Senate members.

The Senate also voted to allow all students to take an unlimited number of pass/not pass courses this quarter.

It is left to the discretion of individual departments whether to extend the pass/not pass option to those classes where it is presently disallowed. Students will still have the choice of whether to take those classes for a regular grade, but have until June 1 to decide. Students themselves are responsible for notifying the registrar as to their choice. (Even those students on probation will be allowed to take an unlimited number of pass/not pass courses, if possible.)

A third resolution passed by the Senate recommends that classes during the Fall quarter be suspended for a period of one to two weeks prior to the national elections, and that appropriate adjustments in the academic calendar be made so that students "may participate actively in the American political process in furtherance of their individual ideals and persuasions...without loss of class time or disruption of normal academic activity."

This means that classes next fall may begin one or two weeks earlier than usual. This decision will be made by a statewide Senate committee.

Much discussion centered around a long resolution passed by the Senate which:

- condemns "the recent extension of the Indochina war into Cambodia;"

- asks that "public figures and commentators" who have "engaged in hostile and derogatory criticism of young

people cease this unwarranted criticism of concerned young people;"

- condemns "the violence of word and deed manifested by extremists among students and faculty," and calls upon them "to devote their human potential to constructive activity, so that we can all participate in honest dialogue and earnest effort for the preservation and improvement of society and our own community;" and

- declares that "we hold in respect those with whom we disagree, and we hope that they can enter into constructive effort and dialogue for the solution of the many problems that confront us."

This resolution was perhaps more controversial in the eyes of Senate members than was the ROTC resolution, because many saw it as an unprecedented and unwarranted political statement. Several faculty members objected to the resolution on the grounds that it is "improper" for the Senate to take political positions.

Others argued that the Senate had a moral responsibility to take a position on such an issue as the war in Cambodia "because this is an issue which is utterly tearing apart this country." They argued that the issues behind the resolution transcend politics.

The resolution finally passed, by a vote of 122-84.

**friday**

Bahai Forum: every Friday in the Library study center, 1 p.m.  
 Karate Club: MWF at Devereux, 4-6 p.m. Classes for beginning and advanced.  
 Lecture: "Monetary Theory and Uncertainty," by Steve Goldman, UCB professor of economics; today in 1127 NH, 3 p.m.  
 Merhaba Folk Dance Club: every Friday in the old gym, instruction from 7:30-8:30 p.m. All request dancing 8:30-11 p.m.

building, 6518 El Greco, 8 p.m. Sabbath services.  
 Cafe Interim: open every Friday night from 8 p.m.-midnight. Featuring espresso, cappuccino, and live entertainment. Everyone is welcome.

**saturday**

Gary Hart for Congress: San Rafael Hall parking lot, 10 a.m. Canvassing for Gary is a way to talk to the community and to translate concerns about the

a.m.-12:15 p.m. An informal association for individuals who hold in common a wholly voluntary commitment to self-reform in the service of others. All are welcome.

Gary Hart for Congress: San Rafael Hall parking lot, noon.

Films: "Rules of the Game," 6 p.m. and "Private Life of Henry VIII," 8 p.m. in the engineering auditorium.

Film: "Yojimbo," samurai movie, and karate demonstration by the Japanese Karate Association.

UCSB Moratorium Committee: UCen Program Lounge, 8 p.m.  
 Israeli Folk Dancing: every Sunday in the UCen Program Lounge, 8 p.m. Instruction and requests.

Opera: "Susannah," Lotte Lehmann Concert Hall, 4 p.m. Admission \$2, students \$1.

**EL GAUCHO KIOSK**

Electronic Music Concert: with Alvin Lucier, Regents' Lecturer, and the California Time Machine; today in CH, 8 p.m. Admission free.

Opera: "Susannah," directed by Michael Livingston; opening today in Lehmann Concert Hall, 8 p.m. Admission \$2, students \$1.

UCSB Chamber Theatre: experimental production of "Sawney Bean," a new play from Scotland; today in 1930 Ellison, 8 p.m.

Hillel: every Friday in the URC

Indochina war into constructive action for peace.

Gaucha Christian Fellowship: 6595 Cordoba, No. 7, 1:30 p.m. Third annual car rally-\$1. Bring a flash light and plenty of dimes to make phone calls. Bring a friend.

Concert: mixed-media concert of light, magnetic tape and live electric music, CH, 8 p.m. Admission free to anybody up to capacity of hall.

**sunday**

Gandhi-King Fellowship: every Sunday at the Interim, 11

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**MASSES:**

Saturday: 5:10 & 7:30 P.M.

Sunday: 8:00, 9:15 (Folk), 10:30 (Folk) and 5:30 P.M.

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**Yojimbo is here**

Toshiro Mifune, as Yojimbo, will be striking again and again in the best Samurai movie ever, at 7:30 and 10 p.m., on Sunday, May 17.

The film, which shows violence carried to its illogical conclusion, and has been called the most cathartic experience since Brecht, in its presentation of an absurd premise fully developed, is being presented by the UCSB karate club to

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help finance Bill Berk's trip to the World Games at the Osaka Expo.

Berk, UCSB karate coach, is the 1970 National Collegiate

champion. He and several of the highest ranked Japanese masters will give a demonstration after each showing of the film.

EL GAUCHO

BECCA WILSON, Editor  
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We, as concerned members of the Library Staff Association and the Librarians Association, wish to express our opposition to the war in Indo-China. We are committed to providing information to those members of the University Community who are conducting research in the Library. Any university staff, students, and faculty, are invited to consult us for access to materials relevant to their research projects.

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- Monika Jackle
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- Angela Fuentes
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- Rosemary Roy
- Grace Thomas
- Richard C. Duprey
- Adam Sebestyen
- Sandy Livingston
- Gudrun Klenderud
- Jo Anna Moore
- Justin Moss



# The ARPA Network: computers for war or peace?

By Steve Plevin and Cindy Heaton

Many UCSB students walk by North Hall every day. Most don't give a second glance to the banks of electronic machinery behind the glass that covers part of one wing. If they do, all that registers is, "I wonder what those computers in there do?" And then they go on to their destination in another part of campus.

What the computers do (and in some cases what they don't do) is currently becoming the concern of a growing number of people, both at UCSB and elsewhere. The reason is that the IBM 360/75 in North Hall is now a part of a growing network of computers around the country known as the ARPA network. ARPA stands for Advanced Research Projects Agency. The computer network is one of many projects which ARPA funds. ARPA is an agency of the U.S. government Department of Defense.

## WHAT IS THE ARPA NETWORK?

During the past decade many makes and models of computers have been developed by different firms. Due to this swift development and lack of sufficient planning, computer users now find themselves faced with hundreds of different machines whose programs cannot be used on other machines. Consequently, information stored in one computer cannot be used to solve the problems of another without first being translated into a compatible language used by the latter.

The Department of Defense currently owns approximately 128 computers. Many of them are of different makes and models. Many of them perform specific tasks. DOD, therefore, has fallen into the quandary facing

“The ARPA people thought ‘Wouldn't it be nice of computers could talk to each other. So they picked out 10 computers....’”

many other computer users: “How can information stored in one machine be used by another without first going through the tedious task of translation?”

According to a paper presented at the Joint Computer Conference in spring of this year, the Advanced Research Projects Agency (ARPA) set about finding a solution to this problem in 1968. At that time ARPA “embarked on the implementation of a new kind of nationwide computer interconnection known as the ARPA network.”

The agency contracted 19 principle investigators at 19 different computer sites to research the possibilities of tying their computers together through special interfaces called Interface Message Processors, or IMP's for short. The actual interface is a Honeywell DDP 516 mini-computer which was supplied to the network by the Bolt, Berne and Newman Firm.

These 19 computers were essentially to attempt to talk to each other.

## HOW DID UCSB BECOME PART OF THE ARPA NETWORK?

One of the principle investigators chosen for the study was Glen Culler, then director of the UCSB Computer Center. Culler was chosen as a recipient of a \$300,000 ARPA contract for two main reasons. First, he was at that time one of the leading men in the field of computer technology.—Culler was responsible for the development of the Culler-Fried “on line” system by which a user hundreds of miles away may access a computer through a telephone line. (Currently the “on line” system allows Atomic Energy Commission researchers at NYU, Oakridge and UCLA as well as the TRW research firm to use the computer here on campus.)—Secondly, because of the development of the Culler-Fried “on line” system, and growing computer needs, UCSB had purchased an IBM 360/75 computer which is a relatively large and high powered machine.

Since receiving his ARPA contract Culler has left the University to begin the Culler-Harrison Research Firm. His contract has therefore, been taken over by Assistant Professor of Chemistry David Harris, Assistant Professor of Electrical Engineering James Howard and Associate Professor of Electrical Engineering

Roger Wood.

At present the entire network is not connected. Only four locations—UCSB, UCLA, the Stanford Research Institute and the University of Utah—have become operational and they are capable of transmitting only the most basic messages.

According to some of the people working on UCSB's ARPA tie-up, the entire network will not become operational for at least 5 years.

## HOW DO PEOPLE INVOLVED IN THE UCSB ARPA NETWORK VIEW IT?

Those ARPA contractors who were interviewed see their research as a means of advancing computer technology. According to Charles Loepkey, who is now directing the UCSB Computer Center, the function of the ARPA Network is limited to communication between computers. Its task is not to perform any type of defense related research.

When expressing their sentiments about the motivations of the Advanced Research Projects Agency in funding this research, most professors involved in the contract seemed to agree with Ron Stoughton, UCSB's main ARPA

programmer, who said, “The ARPA people thought ‘Wouldn't it be nice if computers could talk with each other.’ So they picked out 19 computers and said, ‘Okay, let's see if you can find some way to communicate.’”

## WHY THE PROTEST OVER THE ARPA NETWORK?

Why, assuming that the ARPA network communication program is so innocuous, has there been so much protest at other campuses surrounding its development?

One reason, of course, is that ARPA is an arm of the Defense Department. Protests surrounding University complicity in the defense industry have lead students to be suspicious of any research funded by DOD.

Another is the Department of Defense's redirection of its funds toward more “mission oriented” studies and its simultaneous withdrawal of funds from “basic” research, that is, the

“Slotnick also admitted that Illiac IV would make possible ‘vastly more horrible and powerful weapons systems by creating a body of scientific knowledge for such weapons....’ Illiac IV, like the UCSB computer, is part of the ARPA network.”

withdrawal of funds from projects which do not have direct military use.

More important, however, is the direction which many studies funded by ARPA have taken. According to a pamphlet published at the University

of Illinois ARPA has been responsible for the following projects:

- Through Project AGILE, ARPA commissioned the Simulmatics Corporation of New York City to conduct a series of “Urban Insurgency Studies.” Major findings of the report dealt with “the 127 insurgencies in the 21 nations to the south of the United States searching for patterns common to all.” The study also performed an “analysis of communication, coordination and requirements during the Watts riots based on interviews and taped police broadcasts.”

- In November, 1962, again through its offshoot AGILE, ARPA commissioned a crash program to produce anti-crop agents for Southeast Asia.

- On June 14-16, 1966, ARPA financed a University of Michigan conference called “The Counterinsurgency Research and Development Symposia.”

- Under Project AGILE, ARPA sponsored the General Research Corporation study entitled “Background for Counterinsurgency Studies in Latin America: Venezuela, Columbia and Panama.”

Although none of these projects was connected with the ARPA computer network, many are suspicious of the motivation of an agency which would

(Continued on p. 5, col. 1)

EL GAUCHO

editorial

## UCSB—a link in the chain

According to Lawrence G. Roberts (who conceived the idea of the ARPA network and who is employed by ARPA), “The goal of the computer network is for each to make every local resource available to any computer in the net in such a way that any program available to local users can be used remotely...”

With this seemingly neutral fact in mind, it is necessary to take a closer look at some of the sites that will eventually be operational parts of the net. For, as Roberts says, each of those sites will have full access to data contained in all the other sites.

Among the sites are the Stanford Research Institute (SRI) which recently has its connections with Stanford University severed, largely as a result of student protests over SRI's defense related research. SRI is, along with UCSB, UCLA and the University of Utah, already an operational part of the network. The result is that, after severing connections with a large private university for explicitly political reasons, SRI has now established connections with the University of California.

Also slated to become operational parts of the ARPA network are the RAND Corporation (extensively involved in Air Force research), MITRE Corporation (also involved in Air Force research), Systems Development Corporation (SDC is a spinoff from RAND) and Illiac IV, a massive computer facility at the University of Illinois.

Illiac IV is owned by the Department of Defense which only allots one third of the computer's use time to the University. The project promoter and director, Professor Daniel Slotnick, hailed the computer as being one of the most important developments in computer technology and capable of increasing the United States' computer capacity by 25 per cent “the moment it was plugged in.” Slotnick also admitted that Illiac IV could make possible “vastly more horrible and powerful weapons systems by creating a body of scientific knowledge for such weapons systems.”

In addition to those sites already mentioned and a number of other university campuses, the ARPA network will have one of its sites in the Pentagon.

Ostensibly, the motivation for the ARPA network is to create a system by which differing types of computers can communicate with each other. In and of itself there is nothing directly war-related about this. But, as earlier noted, a number of the network sites (RAND, MITRE, SRI, and the Pentagon) are exclusively concerned with war research. The end result will be that advances will have been made that directly benefit not only universities, but also defense oriented agencies.

The standard feeling among many computer-people at UCSB is that everything done in any research field may have potential import for defense and therefore “possible” defense uses should not limit freedom of research. One went so far as to say (at one of Wednesday's Convocation workshops) that computerized music might have defense potential for charming snakes in India. This same professor also indicated that he would not accept grants from the Department of Defense. When asked why, he responded that the political repercussions that would occur should students find out who was funding him might put a stop to his research.

These two trends of thought, shared by most of the computer-people interviewed for this report, have very disturbing implications. The first, regarding the universality of defense possibilities in research, ignores the very real fact that some research is far more directly war-related than some other kinds of research. For instance, computer communications opposed to computerized music.

But the second trend is even more serious. This has to do with the way some scientists view accepting research grants from the Defense Department. In the instance cited, the individual was more concerned with the interruption of his research than with the substantive moral implications of that research which might lead to its being interrupted.

This kind of moral detachment is passed on to the students also. One student working on an ARPA grant could not see that his job had anything at all to do with defense. “All I'm doing is pushing buttons,” he exclaimed. And since the policy is not to explain the interrelatedness of small parts which add up to large projects, this student feels secure in the rationale that he does not help the war machine.

In the final analysis, this problem may be reduced to the same point as many other problems within the university community: the restriction of information leading to decision-making on specific programs. In this case, it would be argued that the decision should be made by those who have most to do with the program.

But this attitude ignores the very real fact that “advances” in computer technology along the lines of the ARPA network have implications for everyone, not only those directly connected with the program.

Only a brief summary of the substance and potential of the ARPA network can be presented in the space available in EL GAUCHO. There are obviously many gaps in this report, partially due to the fact that the subject being dealt with is so complex.

But the purpose of the report was not to answer all the questions about the ARPA network. It was to provide some background information so that the rest of the academic community can begin to address questions directly to those involved in the project.

Only then can the final question be answered: Should UCSB continue as a participating member of the ARPA network?

# The computer network

(Continued from p. 4)  
sponsor the above listed studies.

A final reason is the use currently being made of computers to centralize information for the control of potential national "subversives." This use was recently most clearly demonstrated in the compilation of files in New Jersey data banks on 7 million potential "subversives." (According to the Defense Department, these files have, since their discovery, been dismantled and the information destroyed.) Another use of computers to centralize information is the computerized Riot and Fire Control System recently developed by the General Research Corporation of Santa Barbara.

The revelation of such uses for data retrieval make some reluctant to see this retrieval made any easier by connecting computers.

## WHAT ARE THE POTENTIAL USES OF ARPA?

But what connection, if any, exists between the sources of protest and the work actually being done by the ARPA network? What are its potential uses?

As already noted, those users and employees of the computer center who are either directly or indirectly involved in the ARPA project see its potential only as a step forward in the field of computer technology.

They argue that with the advances such a network could provide, small campuses with limited resources could teach their students to use more complicated machinery; that the sharing of resources would make possible much faster and simpler investigations and data retrieval; and, that such a communications system would be a great money saver for computer sites which would normally need several different types of computers to handle all the problems with which they deal.

Those working in the ARPA network emphasized that all research has both good and bad potential. In this instance they feel that the good far outweighs the bad.

Although the military potential for the ARPA system is not viewed as large by those at UCSB who are working in it, other members of the University community feel that it poses a great threat.

ARPA Lecturer in Sociology Michael Ross pointed out the similarities between the ARPA network's potential and the computerized World Wide

Military Command and Control System (WIMMIX) which DOD is currently trying to purchase.

WIMMIX would be a series of computers of the same type which could, therefore, communicate without intermediary translation.

According to an article published in Datamation, a computer trade journal, one of the main features of WIMMIX would be the elimination of the manual work needed to connect computers. If computers could communicate one could, for example, spot a satellite and relay the message to another which would track it and investigate any potential threat and then relay the findings to a third machine programmed to deal with such a threat.

Currently most of the intermediary work is performed by man. But if such a system were developed the net result would appear to be quite similar to what Noam Chomsky, in an article written for the New York Review of Books, described as General Westmoreland's dream of automated warfare.

One of the main problems met by DOD in its attempts to purchase WIMMIX has been criticism from government budgetary committees. Because its funds have been cut the project may no longer be feasible.

Here the success of the ARPA Net comes into play. If all present computers could be

made compatible by an interface used by all, no new computers would need to be purchased but the result of their connection would be

nearly the same as the WIMMIX network.

"The basic purpose of WIMMIX," said Datamation, (Continued on p. 8, col. 2)

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# Varsity-alumni tilt slated for tomorrow in Stadium

Football fever has gripped some 50 ex-GaUCHO players who began arriving here yesterday for Saturday's alumni classic against the GaUCHO varsity at 3 p.m. in the Campus Stadium. Tickets are available in the Athletic Ticket Office for \$1.

"I can hardly wait," exclaimed fullback Mike Thomas, a hard charging runner who scored UCSB's first touchdown in Campus Stadium when it opened in 1966.

Thomas, who drove in from his home near Redding where he now works as a bee farmer, has been working out for the game for the past month.

"I've been running each morning at 6 o'clock," he said, "and believe me, we're going to show these young guys a thing or two about football."

Offensive guard Bart Weitzenberg, currently enrolled in UCLA's school of law where he is among the tops in his class, was equally enthusiastic about playing in Saturday's game.

"I've been eating training table meals ever since I knew about it," offered the red-headed lineman, "and I'm as up for this game as any I played as an undergraduate. I don't know how long I'll last, but I'll sure get my licks in," he promised.

Quarterback Mike Hitchman, who is selling real estate in his town of Saratoga said that his throwing arm "is as good as it ever was," and the southpaw slinger said, "the idea of this game is the greatest thing that could happen."

Jason Franci, former tight

end and professional player for the Calgary Stampeders and Denver Broncos, told the News Press, "this has been a tremendous idea but I'm a little concerned that I might get more of a workout on Saturday than I did while playing in Canada or Denver. It's going to be a lot of fun, though."

Women's football (flag, that is) will also be on view Saturday as the Chinese Bandits will meet the Pi Phis in an exhibition match. This could well be a preview of the women's championship game, to be held in the Stadium on May 28.

# Trackmen, crew see action today

By GERALD NEECE  
Sports Editor

The Pacific Coast Athletic Association track season comes to a close tonight and tomorrow night as Fresno State hosts the annual conference championships at Bulldog Stadium. San Jose State, the defending NCAA champions, holds the coveted favorites role with San Diego State listed as a darkhorse.

"We're going to go," said head coach Sam Adams, "but I'm afraid that we're going to be a little shorthanded."

The Gauchos, who have been plagued by injury problems all season long will be without the services of several of their top performers. Sprinter Dan Madden, distance man Keith Jeffers, hurdler James Tolbert and discus thrower Steve Leonard will not compete and ace speed man Cary Williams, who has been hampered by hamstring injuries for several months, will compete in the 440 relay only.

Adams feels that two of his charges have a good chance of winning in their respective events, those being javelin thrower John Tobin and long jumper James Randolph. Tobin, who has yet to reach the 230 foot barrier, the NCAA qualifying mark, has a seasonal best of 228' 9" and according to Adams is capable of

(Continued on p. 7, col. 4)

# Baseballers close out season hosting Fresno

By TOM WALSH  
Sports Staff

In all probability, the GaUCHO baseball season and their first year in the PCAA will draw to a close this weekend when Santa Barbara hosts the Fresno State Bulldogs in a three game series at Campus Field. Game time is 2:30 p.m. today and 12:30 p.m. for tomorrow's twin bill.

Last week's games between San Jose and UCSB were cancelled because of the student strike, and the games are not being reset according to PCAA commissioner J. Kenneth Fagans unless the outcomes would have some bearing on the league championship.

This weekend's affair figures to be a battle for the basement as the Bulldogs are 3-6, and the Gauchos 2-6. In an attempt to boost the Gauchos' standings, Coach Gorrie will send Jeff Chancer, Walt Rehm and Greg Murphy to the mound. The locals would like to end the season on a winning note, if possible.

UCSB picked up its first win in their last eight games Tuesday as the Gauchos pounded out 13 hits, including home runs by Rick Dixon and Paul Lee, in routing cross-town rivals, Westmont, 7-2. Rehm picked up the win by shutting out the Warriors on three hits in six innings of work. The victory brought the Gauchos to a dismal 13-23 record thus far for the campaign.

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Coach Newell Breyfogle's UCSB golfers will host the second annual Pacific Coast Athletic Association golf championships today and tomorrow at the Birnam Wood Golf Club and the Valley Club of Montecito. Action will begin at 7:30 a.m. today and 1 p.m. tomorrow.

"Cal State Los Angeles and San Jose State will have to be listed as favorites on the basis of their performances this season and the caliber of their players. But I'd have to say we're darkhorses along with Fresno State and San Diego," said Breyfogle.

It's a very strong field led by Bobby Clark of Los Angeles, the defending NCAA champion, Steve Weakley, also of the Diablos, the defending PCAA champion, Kelly Mosher of San Jose and Vern Caloudes and Charles Eddie of the Gauchos.

### Sports Calendar

**FRIDAY**  
(Baseball)  
Fresno State at UC Santa Barbara, 2:30 p.m.  
(Track and Field)  
UC Santa Barbara at PCAA Conference Meet, Fresno State.  
(Golf)  
PCAA Tournament at UC Santa Barbara (Birnam Wood and Valley).  
(Crew)  
UC Santa Barbara at Western Sprints, Long Beach.

**SATURDAY**  
(Baseball)  
Fresno State at UC Santa Barbara (2), 12:30 p.m.  
(Track and Field)  
UC Santa Barbara at PCAA Conference Meet, Fresno State.  
(Golf)  
PCAA Tournament at UC Santa Barbara (Birnam Wood and Valley).  
(Crew)  
UC Santa Barbara at Western Sprints, Long Beach.

## Crew to tackle best at Sprints

(Continued from p. 6)

throwing 250' any time. Randolph on the other hand has a season best of 24'7" in his event and that qualifies him for the nationals at Drake in June. His 24'7" is in the top ten collegiate marks of the season.

Adams is also looking for some fine performances from quartermiler Wayne Snyder, intermediate hurdlers Roger Vignocchi and Jim LaVelle, distance men Ted Bechtel, Bill Word and Joe Belton and field event men Jeb Burgess, Bill Broadhead, Rick Wallace and Garry Dilley.

Coach Eldon Worobieff's crews will take part in the annual Western Sprints at Long Beach Marina this weekend. UCLA and Long Beach State are favored in the varsity event.

Worobieff has been very pleased recently with the progress of his lightweights and is confident that his eight will make a respectable showing in this, the premier crew regatta on the West Coast. He also gives his frosh crew an outside shot and a good placing. Competition both Friday and Saturday will begin at 9 a.m. and admission cost is \$1.50.

Arts and Lectures presents  
**TONIGHT**  
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## Nota Bene

• Sunday night at 8 in Alameda Park, a memorial candlelight service for the UAW's late Walter Reuther will be held. Student and Labor representatives will speak at the service.

• Tonight at 7:30 at the First Methodist Church in Santa Barbara, the Judicial Administration Review (JAR) will discuss Santa Barbara bail procedures and possible reforms with representatives from San Francisco and Manhattan bail projects.

• There will be a dedication service in memory of Kevin Moran at 3 p.m. this afternoon in front of the Yellow Submarine at 956 Embarcadero del Norte.

• Women interested in participating in this weekend's Women's Liberation Conference should meet at 10 a.m. tomorrow in the UCen main lobby. A few of the topics proposed for discussion are Family and Life Style Alternatives, Economic Exploitation and the Education of Women.

• "A Legal Assembly," a multi-media concert sponsored

by Creative Studies Eleven and presented by Noggin, Crayon and Dry Paint will be taking place tomorrow night at 8 in Campbell Hall. Admission is free to all.

• As a result of Monday's "nude-in," on the beach below the loop, rumors have been circulating that those who participated may be in danger of being arrested.

Sheriff James Webster told the Board of Supervisors

Monday afternoon that the swimmers will escape prosecution.

• The Jewish Study Action Committee of UCSB will be going to Sabbath evening services at Temple B'nai B'rith (900 San Antonio Creek Road—off San Marcos Pass) at 8 this evening. All Jewish students are invited to join this attempt to organize the Santa Barbara Jewish Community for anti-war activities.

## Paint-in before Admin.

One student was given a citation and 14 day suspension from campus, and another individual, identified as a "non-student," was escorted to the edge of campus during an anti-war demonstration in front of the Administration Building Thursday.

The peaceful demonstration

began at 7:30 a.m. when approximately 10 protesters painted themselves red and then lay down in front of the entrance to the Administration Building.

Although they allowed room for workers to enter the building, a campus policeman who was inside asked the demonstrators to clear the door completely so that those trying to get into the building could enter more easily.

One student who was rather vocal, Jim Belilove, was identified by the police as a "leader." He was dragged away, but he returned to the rest of the protestors.

The campus police drove Belilove to the Safety and Security Building where he was given a citation and suspended from school for 14 days.

One male did not have any identification, and an administrator decided that he must be a "non-student." He was driven to the other side of campus and released.

By about 10 a.m., the demonstration broke up and everyone left.

## ARPA has much potential

(Continued from p. 5)

"is to provide military commanders with the data they need to cope with threatened attacks immediate and/or potential, as well as means of responding to them in time. The data inputs include radar and spy satellite observations, voluminous files containing military, political, social and economic information on potential aggressors, and similarly voluminous files on the disposition of the U.S. and Allied forces. This data is messaged in various ways to produce analyses needed for

planning troop movements, basic locations and similar strategic activities."

Apparently, then, the work currently being done by the ARPA network is not directly related. Its potential success, however, could provide great services in not only the fields of education and computer research but also in the field of computerized military science.

As Loepkey has said, all research has both good and bad potential. But the question still remains in the minds of many, does the good in the case of the ARPA network outweigh

the bad? Or, to be more direct, do the possibilities for resources sharing and advances in computer technology balance the possibilities of automated warfare and the use of computers as data gathering banks for information related to both national and international control?

There are those, like Assistant Professor Harris who believe that the spectres of automated warfare are unrealistic. But there are also those like Michael Ross who believe that we should be wary of taking the chance.

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