

House System to be Discussed

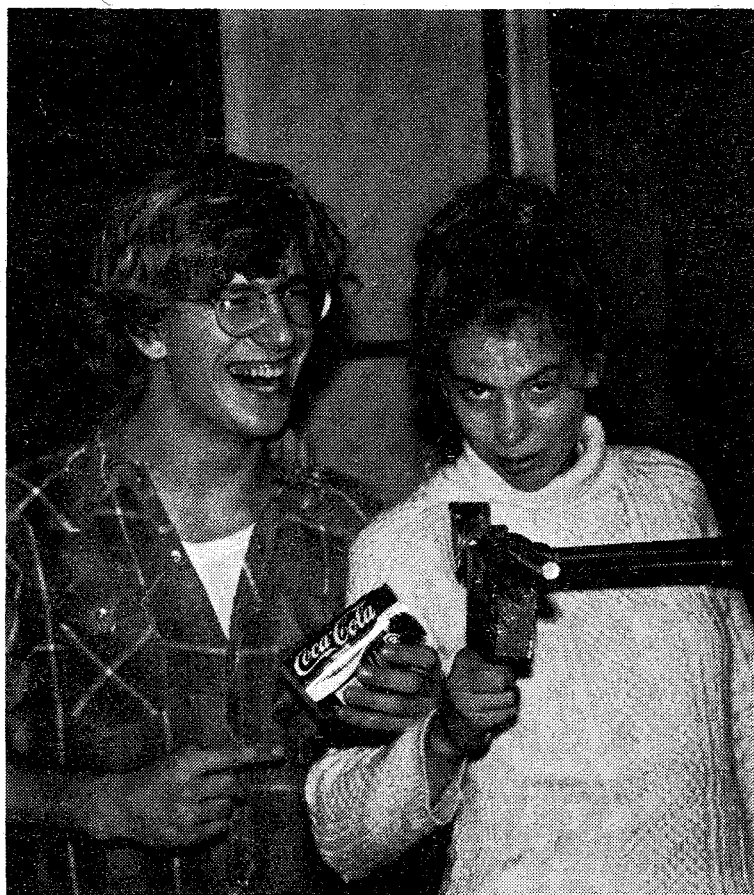
On Tuesday, November 22, at 8:00 pm, the Master's Office and The Caltech Y will present a large-scale forum discussion on the issues of Caltech's House System, Rotation, freshman initiation and social life. The meeting is open to all students, staff, faculty, and administration, and is scheduled for Ramo Auditorium to accommodate as many people as possible in view of the campus-wide interest in these issues.

The discussion was originally scheduled as an open IHC meeting where all interested could come to discuss the issues. The IHC, at the suggestion of Dr. Chris Brennan, Master of Student Houses, decided that it had a vested interest in the issues to be discussed and turned the meeting over to the non-partisan auspices of the Caltech Y. The Y proceeded to organize and publicize the large-scale meeting in Ramo and other small group meetings (such as the ongoing "Fresh Perspectives" discussions) on rotation, the house system and related topics.

Six speakers will highlight the Ramo meeting. Each speaker will present his position in a five minute speech, and then the floor will be opened for questions or comments from the audience for about five minutes. Two of the speakers, Behzad Sadeghi and Lily Wu, will present views primarily opposed to the current system and suggest alternative solutions, while two others, John Krehbiel and Aaron Roodman, will present opinions in defense of the current system. The remaining two speakers and speeches had not been finalized at pres time. Dr. James Morgan, Vice President for Student Affairs, will moderate the meeting.

Follow-up meetings, designed for smaller groups and focusing on specific issues, are currently being planned but no specifics were available as of this writing. These meetings are designed to generate specific,

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Peter Konopka relaxes in Ricketts while Sylvia Luedeking poses as an IRA terrorist during last Saturday's Interhouse party. Photo by Roger Fong.

Submillimeter Telescope Funded

Caltech News Bureau

A \$3.9 million grant for Caltech's new radio astronomy telescope—the first in the world to be designed specifically for submillimeter-wave astronomy—has been given to the Institute by the National Science Foundation (NSF).

The new 10.4-meter (34-foot) telescope will be located on 13,796-foot Mauna Kea in Hawaii, one of the world's highest, driest observatory sites—chosen because of the telescope's extreme sensitivity to water vapor in the earth's atmosphere, which weakens the signals from astronomical sources.

A relatively new field, submillimeter-wave astronomy covers one of the few unexplored regions of the electromagnetic spectrum and promises to be a major contributor

to the exploration of our galaxy and other galaxies. Until now, no telescope has had either the high surface accuracy needed to focus the waves, or the high-frequency radio detectors to measure them.

According to Caltech Professor of Physics Thomas G. Phillips, the director-designate, the new telescope has both the extremely high surface accuracy and a new generation of detectors, including superconducting and bolometer detectors, that will enable high-sensitivity studies of both spectral lines and continuum radiation. The telescope will be able to scan wavelengths from one millimeter down to 300 micrometers—one-eightieth of an inch—which is one-third the radio wavelength detectable by

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Interhouse

At this year's Interhouse, the undergraduate houses presented themes from different countries, different times, and even different dimensions. The following "Inside World" accounts describe what went on at last Saturday's event:

Blacker

Well, there we were, sixty-some Moles just minding our own business (as usual, I guess) when suddenly there was a great thunderclap, and the skies were rent asunder with an awesome presence. We felt our bloods turn to acetone and our hairs become starched and our ears become stretched out to sixteen inches as a dark cloud descended upon Blacker House. Our memories of what happened next consist of nothing but blackness, a blackness blacker than the black in blacker back in blacker. We might all have woken up on Sunday morning with no idea of what had gone on the night before (many of us did anyway) but for a note found in a bottle in the mud pit. The note read thusly:

"We've almost all left by now, and I feel a need to tell the world of what we've done, despite explicit instructions to leave no trace. I think Batman said that the criminal mind is such that it needs to brag, and that is what causes their downfall in the end. Perhaps so. I only know that I must tell this story.

"We had been planning this for months. I think it was originally Fiendish Plan Man's idea, but that's not important. We saw the confusion of Interhouse night as the perfect background for our plan, so on that night, House Stealing Man used his House Stealing Ray to capture Blacker House and replace it with our own home, Gotham City!

"Everything was going perfectly! Disguise Man set us all up to look identical to the members of Blacker House, and we wandered out to infiltrate the other houses. Some of us even picked up some instruments that were lying around, and lots of people started having a great time hopping around in front of us. That may have had something to do with the "DANCE this means you" sign that was on a wall nearby, probably put there by the Random Sign Man (He's been known to do such things).

At 9:00 pm, we decided to make our identity and our plan known to the world, and we revealed ourselves in our true form to a huge crowd. Somehow, though, something went wrong and we didn't seem to get our point across. We made one more attempt at 11:00, but by that time, the disruptive Dr. Bartender had hit many of us with his Zoo Juice Ray, and we were lucky to get out a coherent sentence, much less communicate to the

world our true identities and purpose.

"Having failed in this, we decided to retain our anonymity. We had found that the campus did not satisfy our criterion for colonization, so now we are leaving, and none shall know of our visit.

"None but he who finds this letter.

—Spot"

Dabney

WAR IS PEACE. FREEDOM IS SLAVERY. IGNORANCE IS STRENGTH. THE TRUTH SHALL MAKE YOU FREE.

With Jerry Falwell as big brother, Dabney pulled off a Moral Majority/1984 Interhouse. The lounge was transformed into the Ministry of Truth, where believers could come hear speeches and sermons decrying all forms of immorality and individuality, and exalting Big Brother, mindless adherence to the words of leaders, and the idealness of a merged church and state under right wing religious fanatics.

But wait! There were subversives in the crowd, passing out banned pamphlets that talked about such strange and evil things as "free press," "fair trial," "personal freedom." The Thought Police handily escorted these scum down to the Ministry of Love, where they were re-educated to love Big Brother.

Meanwhile, a large group of subversive scum gathered in the secret cafe, where alcohol was available in diverse forms. Rock's Band played music with reverse time sequence encoded messages, telling the young people to worship Satan and register as a Democrat. Crazy youth entered into demonic dances. It was a true den of iniquity.

—Bill Callahan

Scheer to Discuss Soviet Relations

by Hossein Mohammad

Robert Scheer, the award-winning, internationally known American journalist, will return for his second visit to Caltech this year to speak on U.S.—Soviet relations.

In his earlier appearance at Caltech last October, Scheer drew an audience of about 200 people to a Athenaeum luncheon jointly sponsored by the Pasadena Chapter of the United Nations and the Caltech Y.

He is returning for the Nov. 30th engagement through arrangements made by a new campus organization, the

World Affairs Forum, and on a personal invitation from Caltech President Marvin Goldberger.

Scheer is a national correspondent for the *L.A. Times*. He is particularly regarded as one of the best interviewers in American journalism today. He is known for his ability to have people express their real feelings and thoughts. Vice President George Bush once complained to Scheer's editors about his "viscious questions." It was Scheer who, on the eve of the 1976 Presidential Election, conducted the famous interview in which former Presi-

dent Carter admitted to having lust in his heart.

In 1982, Robert Scheer published the book *With Enough Shovels: Reagan, Bush, and Nuclear War*. In this book, Scheer exposed and analyzed the mentality of the Reagan administration concerning the concept of fighting and winning a nuclear war. Presented in a subjective manner, Scheer's assertions about the current Administration's views on nuclear war were nonetheless strongly supported through his documentation of

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Fleming

It was of us to make Interhouse 1983 a severe event. The Fleming Courtyard, engineered by Mark Eggleston and Dave Durham went off well even though it was not completed because we were 10 hours behind schedule. Still, the fiber optics ship, acetylene cannon, audio effects, and simulated storm were impressive.

The German beer hall, organized by Rajiv Sahney turned out great. In fact it turned out too great because

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Turn Off the Fire Hose

For little children, the thrill of doing something that they were told not to is almost unsurpassed. It's not even that they wanted to do it, it just becomes a challenge when it is forbidden. In reverse, even if Mikey likes his peas, he might not eat them because his mother made such a point of telling him to. The psychological differences between being forced to do something and wanting to do it is great. Similarly, if a student knows that he *has* to take a certain class irrespective of his wishes and career goals, it puts an immediate damper on his enthusiasm. Even if he didn't mean it to, in his mind, it becomes the class that he has to take rather than the class he chose himself because he wanted to take it.

Whether it was intended or not, the Engineering and Applied Science option at Caltech has the most ideal graduation requirement schedule for avoiding this negative attitude problem. It requires no specific classes in any of the engineering disciplines, only 2 lab classes, 126 engineering class units, AMa 95, E 10, and a total of 516 units. It allows a student to freely explore the option at his own pace and in the specific concentration that he feels is best. All the classes he takes will be ones that he chose himself and that immediately makes learning more interesting. If one class does not agree with him, he feels no reason why he shouldn't drop it and try something else. On the other hand, if one particular requirement does not agree with a student in another option, he has to take it nonetheless, under the pressure of growing hostility towards the material. A set structure of requirements molds the minds of different people into uniformity.

The administration, perhaps through lack of trust, seems to worry that students would take advantage of such a liberal graduation policy. However, many seniors graduate each year in the E&AS department with honors and a very complete background in their specialization. They take just as full loads as any other students, except without the conformity pressure. Just as many move into industry and graduate schools with just as much success. Nor would the standards of the school drop if the students were not taught by the fire-hose

method (of flooding the student with more than he can possibly absorb). The academic caliber of the students is determined by the admissions policies which should stay intact. Once in, though, it is up to the Institute to provide, not force feed, the education.

Some classes are essential for an option and therefore should be required. But in order to qualify as a blanket requirement, the class should be directly applicable to all who will take it. Many classes, particularly core classes, are required supposedly for culture. That is a reminder of how blindly technical this school is. Since when is the quality and nature of lifestyles of communities of human beings explored in classes like Ph 2a or Ma 2b (waves and multi-variable calculus)? Rather than pathetically joking about "culture" classes, why aren't real culture classes introduced,

perhaps discussing the human cost of advancing technology in the nuclear age for starters. Biologists usually have some interest in physics and will probably take Ph 1a on their own initiative, but by the time Ph 2c is over, you have a class of biologists with physics-phobia on your hands.

It is easy to institute relatively loose graduation requirements across the board in a school like Caltech. Just by applying and accepting admission, the students have proved a real motivation and interest in studying the sciences. They will take relativity and computer classes with greater enthusiasm without being forced. And it's no crime for an occasional EE major to decide that EE 100 is not exactly for him and that he'd rather not take it over some other class. Without that requirement, he can still be a great engineer but Caltech will refuse him the EE BS degree. He should in the very least be able to pass/fail it.

To dictate an education with so much negative reinforcement is wrong. It can only lead to the existing poor attitudes and unnecessarily depressed students who feel inadequate for not being able to fill the Institute requirements to the satisfaction of the Institute's professors. Creativity, learning and genius should be encouraged, not demanded.

—Lily Wu

the gadfly

No. 5

An examination of student life at Caltech

letters

My Rotation Alternative

To the Editor:

For reasons I mentioned last week, I wish to propose two possible replacements for the current rotation system.

The first is the simplest and my personal preference. As with most other schools, in the spring incoming students would be given the option to state a preference or preferences for a particular house or houses. This would be primarily for those who have had the opportunity to visit the campus and who may have become attached to or found a liking for a particular house. An attempt would be made to assign the freshmen according to their stated preference and other than that, initial housing assignments would be random.

After a specified period of time, such as several weeks or a term, students would be permitted to move from one house to another.

Last year, I spent six months at a small school that used a system like this. Students almost always get into their first preference. During the first semester all students are given two opportunities to move, after three and six weeks.

They have a student body of four to five hundred undergraduates. Almost all of them live on campus in one of the six dorms. The dorms and floors or sections of dorms (similar to alleys) are organized as loose social units and these units will have activities and events often to which the entire campus is invited.

The dorms are anything but

dull nameless places. Students know the people they live around. Residents of a dorm work and have fun together, because the dorm is an active social unit. The dorms have "personalities" and reputations. There is a greater emphasis on campus-wide activities than here and students do a good deal of socializing with people from other dorms. Students are free to move from one dorm to another.

I think two key points to their system working as it does is the small size of their dorms and student body and the fact that the dorms act as social units.

Some people at Caltech feel that it is important that an unsuspecting student not get "trapped" living in a house that he couldn't stand. With the above system, no one would be trapped in any house, particularly if students were permitted to move after several

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Too Bad

To the Editor:

Too bad Caltech does all this "defense" work. Eh?

—Tim A. Brandon

The Caltech Y Fly-by

Friday...November 18

Noon Concert—The Caltech Wind Ensemble performs for your pleasure—on the Quad at noon, of course.

Saturday...November 19

Bike Hike—Mount Wilson here we come! Meet at Winnett at 8 am (see the sunrise). Bring food, water, a friend or two.

Sunday...November 20

'The Day After'—a transfixing dramatization of the annihilation of Lawrence, Kansas by thermonuclear weapons. A discussion will follow the viewing of this 2½ hour nightmarish film. It will be presented at 7:30 pm in the Y lounge.

Monday...November 20

Robin Morgan—'Women's Voices in the Nuclear Age'. Free transportation leaves at 6 pm for Cal State Long Beach, provided, ofcourse, by the undetterable Y.

Tuesday...November 22

Forum on House System—students will be able to present any gripes they have about life at Caltech. This is your chance to speak out. Get out of your rooms and participate. Ramo Auditorium, 8 pm.

Wednesday...November 23

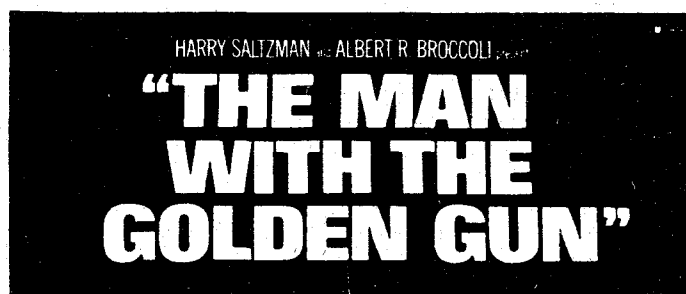
Noon Update—'Scientific Computation with Concurrent Processors' presented by Dr. Geoffrey Fox, Upstairs Winnett in Clubroom 1. Bring your lunch.

Thursday...November 24

Thanksgiving—Enjoy with friends and family. If you would like to have a beautiful home-cooked meal again in a Pasadena home, sign up in the Y.

For more information call 356-6163.

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Telescope

from page 1

any other radio telescope.

The new telescope, which is expected to be in operation by 1986, was designed and constructed by Caltech Professor of Physics Robert Leighton. Funding for the project has been furnished by previous NSF and NASA grants, by the Kresge Foundation of Troy, Michigan, and by a gift from Francis L. Mosley of Flintridge, California and Prince Charitable Trusts of Chicago. Environmental impact studies and the dome design were initiated with Caltech funding, under the auspices of Caltech Provost Rochus Vogt, then chairman of the Division of Physics, Mathematics and Astronomy.

The new NSF funds will be used primarily for the construction of a 60-foot dome to house the telescope. Although the Mauna Kea location provides clear, dry air for optimum operation, wind and snow in the area make the protective dome necessary. A covering is usually not needed for radio telescopes, such as those at Caltech's Owens Valley Radio Observatory in California.

The dome has two novel design aspects—large, lightweight doors that slide back to expose the full dish antenna to the sky, and an internal wall and floor structure housing the controls, data collection, and support systems for the telescope, and rooms for the astronomers, all of which will rotate so that the telescope will always point through the open doors.

The dome and the telescope dish are being built on the Caltech campus. After being fully tested, they will be shipped to Hawaii and reassembled on the Mauna Kea site.

The backup structure of the new antenna is a network of steel tubes. The reflecting surface consists of hexagonal aluminum honeycomb panels machined to an accuracy of

about a thousandth of an inch. The panels are insulated with layers of foam to help reduce distortion from fluctuating air temperatures. A small optical telescope will be mounted on the backup structure to aid in pointing the telescope more accurately.

Over the last two decades, astronomers studying the telltale emission lines in spectra taken at radio and infrared wavelengths have found that the space between the stars is inhabited by dozens of different molecules—including carbon monoxide, formaldehyde, ammonia, methanol, and other compounds of

hydrogen, nitrogen, carbon and oxygen. Research in the submillimeter range will greatly enhance these studies.

Most of the lighter of such molecules emit energy at specific wavelengths in the submillimeter wave region, as their individual atoms change from one rotational mode to another. And many of these interstellar molecules, such as hydrides of magnesium, calcium, aluminum, and silicon, as well as hydrogen chloride, are extremely difficult to observe at all, except within the wavelength range of the new Mauna Kea telescope.

Scheer

from page 1

hundreds of hours of interviews with the Administration members. In *With Enough Shovels*, Scheer concluded that the U.S. Government under President Reagan has come to believe that an all-out nuclear war is "winnable," and has moved to prepare for fighting, surviving, and winning any probable nuclear exchange.

Scheer's name became quite common in anti-nuclear, Freeze circles following the publication of *With Enough Shovels*. His extensive experience with U.S. officials through personal interviews made him an expert on the philosophy of the U.S. foreign policy.

The Caltech World Affairs

Forum, which is sponsoring Scheer's talk, is a newly-formed campus-wide group made up mainly of graduate and undergraduate students. Organized mainly through the efforts of Mark Cohen, Ben Frisch, Kate Hutton, Ed Schlesinger, Craig Steele and Allen Van Asselt, the Forum will bring more speakers to Caltech this year. The organization hopes to provide an opportunity for large-scale, free expression and interaction of concerns and ideas of Caltech members concerning national and international affairs.

Mark Cohen, one of the organizers who is a graduate student in Chemical Engineering, is quite optimistic about the future of the forum and its ambitious expansion plans.

My Alternative

from page 2

weeks.

For those who are strongly attached to Rotation there are a number of other alternatives.

One of these is to have students rotate through the houses as they do now. But instead of judging the freshmen, the upperclassmen can simply talk to them. At the end of the week the freshmen would rank their four choices and the actual assignments would be done by computer or similar means. After a specified amount of time, students

would be permitted to move from one house to another.

I think either of these methods would be preferred to the current system of judging people and looking upon them as either desirable or undesirable. I particularly like the first one because of the simplicity and ease of implementation. I hope the campus will seriously consider these and other alternatives to Rotation.

—Charles W. Hershey

Scheer

from page 1

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Mark Cohen, one of the organizers who is a graduate student in Chemical Engineering, is quite optimistic about the future of the forum and its ambitious expansion plans.

Although it is still in its early development and expansion stages, Cohen asserts that the World Affairs Forum has gotten off to an energetic start. During the next two weeks, the organization will sponsor three different events on campus. According to Cohen, the "fascinating range of personalities and nationalities" that compromise the Caltech community can provide for many stimulating interactions on political and philosophical questions of the day. The forum sponsors discussion sessions on such questions every first and third Monday of each month.

When Robert Scheer spoke at the Athenaeum last October, the Caltech Y sponsored about 20 students to attend the \$12-a-plate luncheon. In his

speech, Scheer concentrated on examining several "myths" in American conceptions of the Soviet Union. He pointed out several resulting inherent contradictions and inconsistencies in the Reagan Administration's attitudes and actions towards the USSR.

The Wednesday, November 30th lecture, however, will be open to the public free of charge. The talk is entitled "Thinking about the Enemy: US—Soviet Relations." It will be presented at 8:00 pm, Wednesday, November 30, in the Baxter Lecture Hall.

Arrangements have been made for copies of *With Enough Shovels* to be available in the Caltech Bookstore by Nov. 30. Mr. Scheer will be available after the talk to autograph his book.

Houses

from page 1

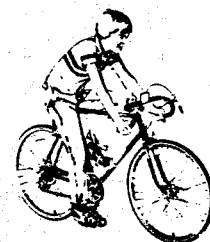
feasible suggestions for changes in the current House system or rotation, these suggestions would then be relayed to either the Deans or the IHC for consideration.

John Beahan, who is organizing the meeting on behalf of the Y, commented: "We really want a large turnout for the Ramo meeting, so we can get a good idea of how the whole campus feels about these issues, and to renew in-

terest in discussing the issues." Glen Crawford, who is also helping to organize the meeting, added, "Hopefully this meeting will create some kind of focus: we need to know which issues are of the greatest interest and what solutions are feasible and acceptable."

Those interested in further information about the meetings or interested in helping out are requested to contact John Beahan (356-9322) in Blacker, or Glen Crawford (578-9079) in Ruddock, or call the Y office at x6163.

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sports

GSC Volleyball Scores

Results of Wed. Nov. 16

A LEAGUE

Kong's Killers ravaged Aesops 15-8, 15-4
 Jet Setters nuked Six Hitters 15-3, 15-5
 Tapir tapped HP's 15-2, 15-6
 Brute Force overcame Fleming 15-10, 15-3
 Up-Setters outset Ruddock 15-2, 15-7,

B LEAGUE

Overpaid Amateurs beat Gangbusters 13-15, 15-6, 15-8
 Smashers contused Strange Bruise 15-8, 15-8,
 Besops bent Tire Irons 15-6, 17-15
 Reynolds Numb-ers and Face blanked each other
 Chow Dogs didn't beat Jerry's Kids
 Scurves defused Magnum Force 15-0, 15-1
 Hydraulic Jumps leaped over We're Mudd 15-6, 16-14

Beavers Beat Air Force

by Ath Man at Large

The Caltech Beaver football team defeated Edwards Air Force Base, 45-12, last Saturday, racking up its most decisive victory of the year and improving its record to 6-1.

The Beavers jumped out to an early lead, scoring two touchdowns in the first quarter on runs of 5 and 40 yards by Jonathan Brown. Phil Scott ran one yard to another score in the second quarter to give the Beavers their halftime lead of 19-0. The Beavers' offense added three more touchdowns in the second half, the first on a run of 17 yards, by Michael Vanya and two more on Brown's third and fourth scores of the day, one a 48-yard pass from Scott and the other a 44-yard run. Brown finished the day with 238

yards, pushing his yards per game average up to 122, the best mark among runners in the National Collegiate Football Association.

The Beaver defense was also very impressive, allowing only two meaningless touchdowns in the second half.

Women's Foil and Men's Saber Win

by Perry Ripost

The Caltech fencing team met U.C. San Diego and U.C. Santa Barbara last Saturday.

The women's foil team improved its record by beating UCSD and UCSB. Against UCSD, Barbara Turpin and Kathy Sheedy both won three bouts each. Next came Phyllis Li, who won two bouts, Daniella Bonafede won one. Overall the women's team won

Andre Johnson intercepted four passes, repeating his performance of the week before, and returned one 52 yards for a touchdown. Johnson, with 13 interceptions, and George Kailiwai (9) rank first and second in the NCFA in that category.

The Beavers finish their season tomorrow against the Desert Warriors here at Tech at 1:30 pm. Don't miss it.

9-7. Against UCSB, they did just as well and won 11-5. This time Barbara Turpin was the leading scorer. She won all four bouts. Then came Karla Peterson, who won three. Kathy Sheedy and Phyllis Li both won two each. With these two wins last Saturday, the women's foil team is now in third place in their league.

The men's foil team came close to beating UCSD but lost by one bout, 4-5. Scott Grossman defeated all of his three opponents. Andre Burgoyne defeated one. Kurt Anderson did not win any but performed well by making good parries and having several touches against his opponents. Against UCSB, the foil team had a tough match and lost 1-8. Andre Burgoyne, who was the only scorer, surprised one of UCSB's best foil fencers by beating him.

Against UCSB, the saber team won for the first time in the season. They had an exciting match. Both teams seemed to have the same ability, and each side was winning and losing bouts. At one point in the match, there was a tie at 4-4, and Chien-Wei was the last man to fence. Tension mounted because this last bout would decide the match. Chien-Wei took the initiative, ran at his opponent, and won. Overall the saber team made an effort and did very well. Lee Sunderlin and Peter Konopka both one one bout; Chien-Wei Han won all three.

This Saturday the Caltech fencing team will meet Cal State Long Beach and UCLA again at Long Beach. The fencing team is looking forward to winning a few matches.

Hockey Victory

by Christ of Stork

The Score: 16-2, The Vanquished: U.C. Irvine, The Sport: Hockey (not football). This victory last Thursday morning may mark their high-point of the season, outperforming their opponents in almost every respect. The team dominated the game to such an extent that even when it had a man in the penalty box, Caltech players were able to keep the play action centered around UC Irvine's goal. The win was a team effort with the goals and assists evenly distributed among the players.

The loss of several strong players after last year concerns captain George Yeats. He was encouraged to see that the line consisting of rookies showed promise by scoring their share of goals and not allowing either of the two scored by the opposing team.

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We will be conducting campus interviews on **Tuesday, November 29, 1983**. Please make arrangements with the Placement Office to schedule an appointment.

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The Inside World

Blacker: Blah blah Blacker blah.

—Spot

Fleming: The quest for the perfect Golden Ratio continues with Mike Baumer accurate to 4 decimal places. Alley 4 has the highest average, and has not been seriously challenged.

The first alley challenge of the year has been submitted by Alley 1 to the champions of Fecathlon, Alley 4. Competition will begin soon.

It seems as though our neighbors across the way in Page House have required the aid of 6 tons of granite in order to protect themselves from the thundering herd. Then, in a fit of rage, took out their sexual frustration on our defenseless plants. Boys will be boys.

—Al Fansome

Page: After interhouse, in an attempt to clean up their house, Fleming placed a bunker of rocks in front of Page's doors. The next night, Page retaliated by storming the front alleys of their house with 75 troops, specially trained for this "social event." After an hour and a half of skirmishes, the Page dudes withdrew so that the Flems could go back to their trolling. Final score was 20-12, with Page a bit ahead. Flems were showered in Fleming's showers. We'll see them later.

—Sean Moriarty (Lisa's sick)

Ricketts: Life surged through Ricketts House this week above and beyond the call of interhouse. We did our usual miraculous job of constructing and destructing interhouse in minimum time this week. Aside from this the house managed to receive an official win in interhouse soccer through a forfeit from Dabney although two teams were put together and played a game for fun as well. A small confusion with calendars produced a premature bout of Christmas spirit hit the house with caroling in the lounge followed by a timely visit by Santa Megatest. Unfortunately, the freshman class learned the folly of greed when virtually none of them were there to receive the present of a Brakedrum ringing courteously provided by the still undefeated sophomore class. (Note: Still no progress on cleaning our treasurer. The frosh class may have to find a new class project although the prospects are dim. They can't even seem to muster the stamina to defend their honor from public assault by a mere reporter!) P.S.— Good luck finding tonight's alley party.

—Bob Bolender

Weekly Sports Calendar

Day	Date	Time	Sport	Opponent	Location
Fri.	11-18	7:00 pm	Basketball (Varsity)	Pac. Coast Bapt. Bible	Caltech
Sat.	11-19	1:00 pm	Fencing	UCLA & C.S. Long Beach	Long Beach
Sat.	11-19	1:30 pm	Football	U. of Baja California	Caltech
Sat.	11-19	7:30 pm	Basketball (Varsity)	Christ College	Christ College
Tue.	11-22	3:00 pm	Wrestling	La Verne Dual Meets	La Verne
Tue.	11-22	7:30 pm	Basketball (Varsity)	Pacific Christian	Pac. Christian
Wed.	11-23	11:30 pm	Ice Hockey	Harbor #2	West Covina Ice
Tue.	11-29	7:30 pm	Basketball (Varsity)	Christ College	Christ College
Wed.	11-30	11:30 pm	Ice Hockey	U.C. Irvine #2	West Covina Ice
Fri.	12-2	8:00 pm	Basketball (Varsity)	L.I.F.E. College	Caltech
Sat.	12-3	2:00 pm	Basketball (Varsity)	Alumni	Caltech
Sat.	12-3	4:00 pm	Basketball (JV)	Alumni	Caltech

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Basketball Season Opening

by Ath Man at Large

The Caltech varsity basketball team opens its season tonight at 7:00 pm here at Tech against the Pacific Coast Baptist Bible College Eagles. The Beavers will be looking to break their 21-game losing streak tonight, and all indications from preseason practice are that they have a good shot at doing it.

Despite the loss of forward Jeff Lester to injury, the Beaver front line looks strong. Senior Stewart Peebles will start at center, with Jim Helgren and Chris Kyriakakis the likely candidates to flank him at forward. Dave Werntz and freshman Bill Gustafson add valuable backup strength to the forward line.

The backcourt, while talented, suffers from a lack of depth. Tom Heer will miss the first three games for a medical school interview, leaving the starting spots to John Krehbiel and freshman Ed Zanelli. Head coach Mike Poizner may have to move Chris Kyriakakis to the backcourt to add depth there when Heer is not available. Zanelli and Krehbiel add a lot of speed and quickness to the team, and hope to turn the front line's rebounding strength into baskets off the resulting fast breaks.

All in all, it should be a fun season, so come out and watch!

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We will be conducting group presentations December 1

See your Placement Office for details, or send a letter of interest to: Fairchild Digital Test Systems, University Relations, 1725 Technology Drive, San Jose, CA 95115. As an affirmative action employer we encourage women, members of minority groups, veterans, and the handicapped to apply.

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Interhouse 1983

from page 1

we ran out of food and german beer before 11 o'clock. (No reflect on the amount of beer purchased, rather on its overwhelming popularity). Alpine Village will get their barrels back soon.

The highlight of the evening was the play, written by Tom Kupiszewski, around the theme of Fansomes's Heroes. Impressive performances were turned in by all involved, with the exception of Mike Kilby, who as usual forgot his lines.

—Ed Zanelli

Lloyd

Interhouse! After a typically slow start, everything finally got moving with a lot of prodding from our Interhouse Work Chairman, Matt.

Alaric did a very good job of hiding our fireplace, Ross did manage to find ten potted palms and transportation for the roulette table (which, by the way, had the truly powerful intake of \$1.55 for the evening), and despite the fears of many, Paul *did* get the "Rick's Cafe Americain" sign

finished.

Although Marty's plane didn't take off due to bad weather, the interior effect was quite pleasant, complete with the usual pile of excellent Lloyd food prepared by the usual pile of excellent Lloyd cooks. Many thanks to all who helped cook, bulid, wait tables, and sing German national anthems.

—Rod Van Meter

Page

Interhouse was a huge success. The traditional ride was just the beginning of a long, confusing journey through "The Twilight Zone." Emerging from the misty black train tunnel, the travelers stumbled upwards through a strobe-lit stairwell to the maze. For those lucky enough to find their way out, the party was only a nurl pit away. Everyone danced to the music of Head First (although a few needed to visit the bar first—to get psyched!) and recuperated on soft pillows by the fire in the lounge.

Except for a few minor problems such as last minute pro-

curement of a strobe and lethal Black Russians, fun was had by all. The Interhouse Chairman, Mark Waggoner, obviously did a great job getting Page organized. Thanks.

—Sean Moriarty

Ricketts

In honor of our new MOSH, Ricketts house went Irish at this year's interhouse. The lounge and dining room was transformed into O'Brennan's Pub while the courtyard became the rest of a small Northern Irish village. To complete the authentic atmosphere entertainment was provided by an Irish band, The Road to Shiloh. As is always true of the Irish, the locals come out in force for a night of partying including the local IRA representatives who were determined to destroy all the British Buildings in the courtyard before the night was over. In addition to the traditional fore of O'Brennan's Pub there were also O'Thommasys Burgers available featuring imported Tommy's chili for those who desired a bite with their brew. Many thanks to the kind true Irish present for providing us with quick lessons on how to

dance to Irish music, an experience thoroughly enjoyed by all who participated (after they caught their breath). Finally Ricketts House did its usual job of monopolizing the contest for the first house to dismantle interhouse by restoring the house to its usual state of disorder by 4:55 am Sunday morning.

Ruddock

Imagine that you're traveling through a deep, dark jungle when all of a sudden you spot a beautiful sea-side resort. As you walk along the boardwalk and over a bridge by a waterfall, you begin to hear the soothing sounds of Jazz and smell a succulent roasting pig. It's not a dream, you're at Ruddock Interhouse '83.

Things were swinging to a Hawaiian beat as Rudkiki got underway with a pleasing set by the "Hawaii-5" (a.k.a.

Caltech Jazz Band) in the Aloha lounge. Next door, one could find a little more "local flavor" at the Hurricane Hole, where the tone of the evening was pool, whiskey, and a rowdy good time.

Later, while patrons of the high class Aloha lounge relaxed in the gentle, quiet atmosphere, they were entertained by that nightclub singer extraordinaire Don "Biff" Ho, who not only dazzled the audience, but also won the heart of every woman in the place (especially B-day girl Debbie Pinck, to whom he sang Happy Birthday). Soon, though, it was discovered that Don was really that notorious criminal Wo Fat. As he and his bodyguard made a break for the door, Steve McGarret and his gang broke through the crowd and captured the imposter on the spot. That commotion over the evening ended with another great set from the Hawaii-5.

"The Day After" WW III

Y to Present Nuclear War on Large Screen

It is the way a nuclear Armageddon can be expected to look, says *Newsweek*, and it will be shown Sunday night in the Y lounge in Winnett on a 19" screen.

It is "The Day After," ABC-TV's transfixing dramatization of the nuclear obliteration of Lawrence, Kansas, in World War III. After seeing the nightmarish film, you may wonder who's counting anymore.

Prior to its national screening Sunday night, "The Day After" has been much debated as to whether it portrays "truth" or shills "leftist propaganda." Watching the 2½ hour film in the Y lounge will provide viewers a chance to discuss the objective merits of the film, the implications of its

story, and its effect upon them personally.

Assisting the discussion will be Mark Cohen, representing the Caltech World Affairs Forum, and Huston Horn, the director of The Caltech Y.

Eight days later, on Nov. 28, another follow-up program to "The Day After" is scheduled on the Caltech campus. It is a panel discussion of the film and is entitled "It's Still the Day Before."

Participants in the panel will include Caltech Physicist Richard Feynman, Caltech Political Scientist Bruce Cain, and JPL Scientist Robert Nelson.

The Monday night program will take place at 7:30 in Baxter Lecture Hall. The Caltech Y is one of the event's sponsors.

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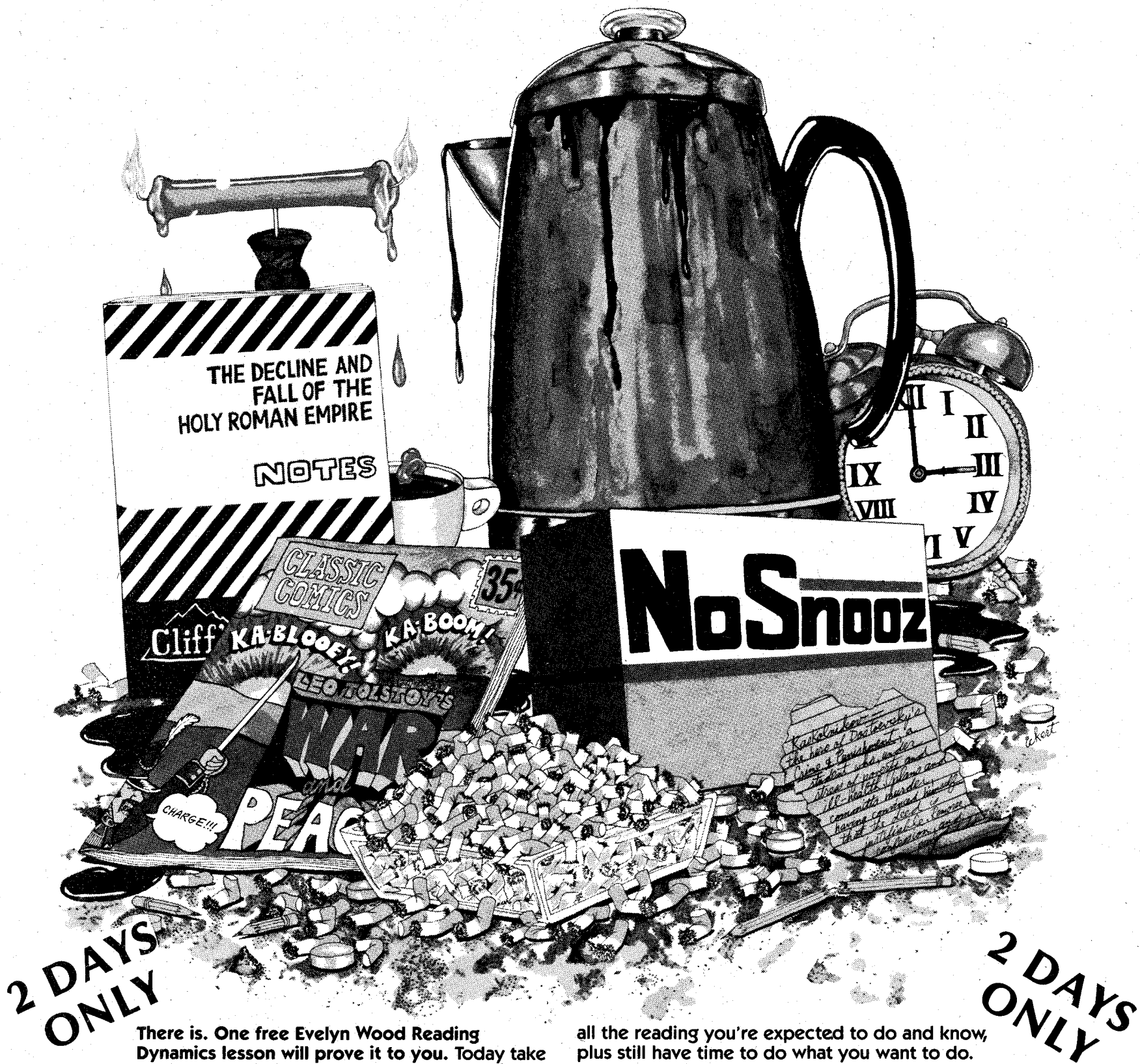
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Space Scholarship

The National Space Club will award a \$3,500 scholarship in memory of Dr. Robbert H. Goddard for the academic year 1984-85. To apply for this award, you must be a U.S. citizen, in at least the junior year of an accredited university, and have the intention of pursuing undergraduate or graduate studies in science or engineering during the interval of the scholarship. Selection will be based on official transcripts, letters of recommendation, and scholastic plans that would lead to future participation in some phase of the aerospace sciences and technology.

The deadline for applications is January 9, 1984. More information is available in the Financial Aid Office.

Loscon in Pasadena

One of the biggest science fiction conventions on the west coast will be held in Pasadena over Thanksgiving weekend. Loscon 10 will go on from Friday, November 25, through Sunday, November 27, at the Pasadena Hilton Hotel, 150 S. Los Robles. The convention will feature talks and discussions by science fiction writers such as Chelsea Quinn Yarbro, A.E. Van Vogt, David Gerrold, Steve Barnes, former Teacher David Brin, D.C. Fontana, Stephen Goldin, Kathleen Sky, and George Clayton Johnson. There will also be information about forthcoming movies, a film program which will include over 20 feature films, and a Masquerade Competition on Saturday evening. The convention also includes an art show, an auction, and a sales room full of GOOD STUFF. Membership in Loscon is \$10 per day or \$17 for the entire weekend. Memberships may be purchased at the door, and at this late date probably should be. For further information, call 989-8329 weekdays.

Last Call for Speakers

On Tuesday, November 22 at 8:00 pm in Ramo Auditorium, there will be a large-scale meeting of the students, faculty, alumni and administration members on the student house system, rotation procedures, house traditions, and the general social atmosphere at Caltech. The meeting is being organized by the Master of Student Houses and The Caltech Y, among others. Students who are interested in giving five to fifteen-minute speeches on a topic of present concern should contact John Beahan at 356-9322 over this weekend.

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announcements

Putnam Exam

The math club will be doing its annual preparation for the Putnam Exam. Speakers will be Barry Simon and Gary Lorden. All undergraduates taking or interested in the Putnam are invited to attend. Time: Tuesday, Nov. 22, at 8:00 pm. Place: Math lounge, 351 Sloan. Refreshments will be served.

Fresh Perspectives

On Wednesday, Nov. 23, at 8:30 pm in Clubroom 1 of Winnett Center, the fifth *Fresh Perspectives* meeting will take place. Organized by The Caltech Y, these meetings are a series of open discussions on undergraduate life at Caltech.

Coming one day after Tuesday's grand meeting, *Forum on the House System*, this week's discussion, will evaluate that meeting. Refreshments will be provided and everyone is invited to attend.

SIF Deadline Extended

The deadline date for submitting Student Investment Fund (SIF) disbursement requests (available through any SIF officer) has been extended for one week to November 30. For more information, contact Mike Curtin in Ruddock House.

Other Big Brother

Catholic Big Brothers need volunteers in the Pasadena area. The present waiting list numbers 15 fatherless boys. To be a Big Brother you do not have to be Catholic; you do have to be over 18 and willing to spend three or four hours a week for at least a year. For further information, call Catholic Big Brothers at 250-7436.

Naval Engineers

The American Society of Naval Engineers offers a scholarship program for the purposes of encouraging students to enter the field of Naval Engineering and providing support to Naval Engineers seeking advanced education in the field.

Scholarship awards of \$1300 each will be made for the 1984-85 academic year. Support for undergraduate work is limited to the student's final one or two years of undergraduate education. Support for graduate education is limited to one year. These awards are also limited to U.S. citizens who *demonstrate an interest in Naval Engineering* and who will be enrolled in a full-time program leading to a designated undergraduate or graduate engineering degree in an accredited college or university. Scholarships will not usually be awarded to doctoral candidates nor to persons already having an advanced degree. Demonstrated financial need is not a requirement but may be taken into consideration. Scholarships will normally be renewed for the duration of the degree program entered while the student is in good standing.

The deadline for receipt of scholarship materials is February 15, 1984. Additional information and application forms are available in the Financial Aid office, Room 10 Parsons-Gates.

Lit Offering

Lit 149a, Contemporary Latin American Literature, will be offered winter term on Tuesday evenings at 7:30. The course will be taught by Mary Berg.

Course Correction

Although it was not designated in the registrar's listings for Winter courses, PS 116 and PI 182 will be jointly taught by Professors Bruce E. Cain and Brian Berry. The course will combine behavioral and normative perspectives to international affairs and will cover such topical questions as "when, if ever, is it permissible for one country to invade the territory of another?" The class will emphasize discussion and participation, and for this reason, will be restricted to 15. Those who wish to sign up for this course should consult either Professor Cain or Barry.

Winnett Room Use

For those clubs and organizations that use, or wish to use, facilities in Winnett Student Center: The Caltech Y is apparently now handling reservations for the facilities, now that there is no Theresa. Act accordingly.

Blood Drive Results

The goal of the October Blood Drive was 100 pints/day. The actual results were: Wednesday—51 pints; Thursday—64 pints; Friday—81 pints. This totals 196 pints, compared to last Spring's total of 200 pints. In the Undergraduate House Contest (for which there was ¼ keg of beer and 2 cases of root beer riding on the house participation), Lloyd and Ruddock tied with 23% student participation. The next Blood Drive will be held in the Spring—April 10, 11 and 12. Start saving up blood now.

SAMP Engineers

The Society for the Advancement of Material and Process Engineering offers scholarships to freshmen, sophomores and juniors, with preference to those matriculating for a degree closely related to Materials and Process (i.e., Material Science, Metallurgy, Chemistry). Applications, with the requested transcript and letters of recommendation confirmations must be submitted to the Chairman of the Scholarship Committee by the last day in January. For additional information and application forms contact the Financial Aid Office, Room 10 Parsons-Gates.

Chinese Engineers

The Chinese Engineers and Scientists Association of Southern California offers scholarships to students of Chinese descent who are currently enrolled as full-time students in an accredited college in Southern California. The deadline for filing is January 2, 1984. Additional information and application forms are available in the Financial Aid Office, Room 10 Parsons-Gates.

SWE Meeting

There will be a meeting of the Society of Women Engineers on Tuesday, Nov. 22 at 8 pm in Winnett Lounge. All current members and anyone who is interested in SWE are invited to attend. SWE is open to all science and engineering students. We will have dessert, elect a secretary and a treasurer and plan upcoming events including a dinner with industry for next term. If you have any questions, please contact Melissa Farrell at 449-9192.

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