

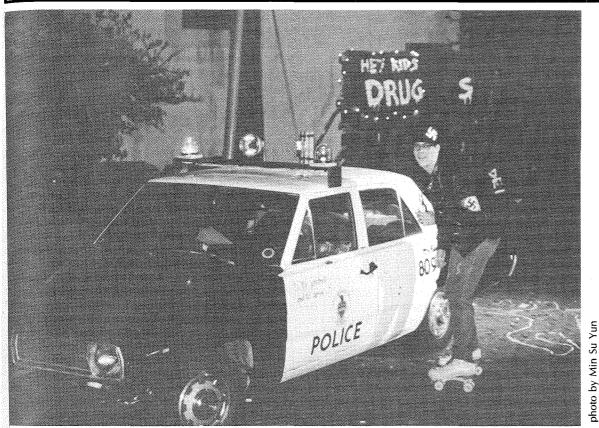
THE CALIFORNIA TECH

Today

Volume LXXXVII, Number 9

Pasadena, California

Friday, November 22, 1985



Roller disco Nazi meets Dabney police.

Earthquake Preparedness

by Peter Ashcroft

The Southern California area is especially prone to earthquakes. The destructive power of this type of natural disaster was demonstrated recently in the Mexico City earthquake that killed over 4000 people. Unfortunately though, many people who live at Caltech do not know very much about them, nor have given much consideration to what they would do in the event of a serious disaster of this kind. One reason for this is that Caltech students come from a broad spectrum of backgrounds, and many have never lived in an area prone to earthquakes. The other is simply that students are generally very busy with immediate concerns, and rarely give thought to something that probably will not occur in the next four years, and may not for the next twenty.

It was in light of considerations such as this that the Latter Day

Saints Students Association and the Caltech Y sponsored an evening seminar on earthquake preparedness. The program, held in Baxter Lecture Hall, consisted of three smaller presentations. The first was from a seismologist who described the geology of earthquakes in general, and especially the seismology of the Pasadena area. Of particular interest was the fact that the Raymond Hill fault runs through San Marino, and in fact directly beneath the Huntington Sheraton Hotel. Next, a representative from the Red Cross detailed general earthquake safety, and earthquake preparedness steps. Among her admonitions were that students keep flashlights, batterypowered radios, and first-aid kits near where they live or work. She reminded those in attendance that in the event of an earthquake, no one should run either into or out of a house. Rather than try to escape a building, the safest course is to

seek shelter under a table, desk or bench.

The final speaker was Bill Francis of the Safety Office. He treated the campus situation. The Safety Office has given some thought to the eventuality of an earthquake or other disaster. The standard scenario involves the cam-

continued on page 3

by Ralph Wolf

As of last Monday, the Center for Disease Control in Atlanta had recorded 14, 519 persons with AIDS in the United States. More than 51% are dead. Of the 318 cases reported prior to 1982 more than 85% are dead. Although recent research at the Pasteur Institute in France holds some promise, there is currently no cure for

Although the majority (64%) of the AIDS patients are gay or bisexual men, many members of the active heterosexual community are not aware that they too are at risk. While only 1% of the reported cases can be traced to heterosexual contact, a recent study done in Germany found that 50% of the prostitutes frequented by military personnel tested positive to the AIDS antibody. Similar studies have produced comparable results among both male and female prostitutes in the United States.

AIDS virus is transmitted in bodily fluids, especially blood and semen. Safe practices include using a condom, not sharing needles with IV drug users, and avoiding

There has been much confusion over transmission through saliva and kissing. An abstract, published by the UCLA AIDS Center observes "The finding of infectious HTLV-III virus with such high frequency in the saliva of seropositive healthy homosexuals and patients with ARC (AIDS Related Complex) is unexpected in view of the epidemiology of AIDS. All the epidemiologic evidence suggests that AIDS is not generally transmitted by casual contact. Vast numbers of the public and health care workers have come in contact with saliva from what we now

Interhouse '85

Blacker

by Jim Bell

The Blacker dream year continued this past weekend with this, our finest Interhouse showing ever. The whole gang managed to pull it all together with loads of time to spare. But there were some wild, atrocious rumors flying about, and this article will attempt to set some of them straight:

(1) There were not more than 12 metric tons of mud in the Blacker dining room at any one time.

(2) No one heard the Ride playing in Blacker Saturday night.

(3) The Dining Room was perfectly clean Monday night. Moles just like eating in other houses, that's all.

Still yet unsettled rumors include several conflicting reports about Sue's alleged brownie "mix" and Bengt's masculinity. More on this as it develops.

The prowess of Blacker Engineering Corp. showed through when the hapless scurves tried to blow up the Rainbow Bridge. Little did they know that the extra layer of caked-on mud scum provided just enought extra tensile strength to thwart their plans. Unfortunately, however, the whole structure was engulfed in a freak

firestorm passing over the house. The mighty Viking ship, another fine example of modern chicken wire technology (not to be confused with chicken man (he's everywhere! (Gads!))) was also taken away in the blaze, but not before its glorious sail, sporting the famous Latin quote "gallium deus brunt gallus," was spared. We might hang the sail in our dining room, but that would be boring.

Thanks to Craig and Frank, wild and untamed Viking frosh caught their first glimpse of Zoo Juice, first discovered by Eric the Red in 1006 A.D. Dave C. becomes the first to ride the bus this year. Is this true?

Give yourself a pat on the back, Moles. The Big Black Bug rolls once more. If you chose not to help out (and you know who you are!) then you really lost your chance to have lots of fun. Gosh, I don't think there'll be a better social event all year, except maybe if Rob decides to try the six-man lift...

Dabney

by Mike Roberts

It was dark there, and cold, at Dabney Interhouse. An unwarming glint of red and blue light shone from the north, harking the rising of a new sun. The Transcendentalist, clad in bundles of cloth making a primitive police uniform, continued on page 7

DS Awareness

know to be likely seropositive persons with no evidence for transmisssion of AIDS by this route."

In the past, leaders of the gay community have advised against taking the HTLV-3 antibody test because it was inaccurate (it had a 20% chance of giving a false positive) and because of the potential civil rights violations that could occur if, for example, your health insurance company found out you had taken the test. However, the California Department of Health Services has established alternative test sites around the state where the antibody test can be taken anonymously. Furthermore, the test has been improved so that it now only has a 1% chance of false positives. It should be emphasized

that the test does not indicate the presence of the virus, only the antibody to it. Therefore it cannot differentiate between exposure and infection. The nearest alternative test site is the Edmund D. Edelman Health Center in Hollywood. For information about the test, or to make an appointment, call the center at (213) 464-7276.

The CDC AIDS Weekly Summary Tables, which were provided by the Edmund D. Edelman Health Center's CAIN link, and other papers and pamphlets used for this article are posted on the bulletin board outside the Tech office in Winnett Student Center. For more information, call the AIDS information hotline at (800) 922-AIDS or you can contact the author of this article at x6830.



The Sweet Adds and Clef Hangers are only two of many groups performing in the Glee club's annual holiday concert the first weekend in December. The Friday night performance is already sold out, but a few tickets are still available for the two Saturday concerts. Tickets are available from any Glee Clubber or OPE.

Plane Crash Claims Two

by David Hull

Eric Umland, age 29, and Carl Shollenberger, 39 were killed on Sunday, November 17 when their Piper Cherokee plane went down in very heavy weather. According to the Kern County Sheriff's department, the two were flying from El Monte to Bakersfield as part of Umland's instrument flight training. They crashed in Frazier Park, about 35 miles southeast of Bakersfield, at around 7:55 p.m.

They had encountered winds of 60-70 mph, clouds, visibility as low as fifteen feet, and wind shear conditions. They reported experiencing 1000 foot drops in elevation. Although Fox Field in Lancaster advised them to turn back, they either could not or chose not to obey the warning. The Sheriff's office speculated that they could not risk losing elevation by turning. They had been flying at 6500 feet, and the plane was found at 6200 feet.

The plane's radio beacon was destroyed in the crash, and with the

snow and low visibility continuing searchers could not locate the wreckage for two days.

Umland was a member of the Aero Association of Caltech, which owned the plane. Members of the Association were unavailable or declined comment.

Umland received his BS from MIT, and Masters and PhD from Rice University. He came to Caltech in 1983, and held the position of Bantrell Fellow of Physics, working on the Concurrent Computation Project under Dr. Steven

He is survived by his wife, Jaye. A memorial service was scheduled for 1:00 pm Thursday in Dabney Hall. A scholarship fund has been established as a memorial. For details, contact Kim Stapp in 105 Kellogg or at 356-4270.

Shollenberger was a certified flight instructor, and was certified to teach instrument flight. He was a resident of Seal Beach.

See tribute on page 3.

OPINION

everywhere: not just on the Olive

LETTERS

Last week's editorial introduced the possibility of awarding Humanities credit to journalism students. This, it is claimed, "would benefit the entire campus as well as those working directly for the paper." I agree; but I am not sure you realize the full meaning of your proposal.

Were journalism a Humanities course, it would be graded. The quality of the writing and the overall look and structure of the paper would form the basis of the grade for writers and editors, respectively.

In what follows, I do not pretend to speak from a position of authority-merely one of experience. During my term as Editor of The California Tech, the paper suffered from a heavy bias toward entertainment and features. Instead of working to improve that situation, however, I worked on improving other aspects of the paper which I found easier to deal with, such as its design and layout.

Since the current team of editors took over the job from Diana Foss, I have seen no improvements, only changes. Informal and unprofessional writing has become the rule, rather than the exception. Where the layout of the Tech is often eclectic, yours is sloppy. Articles and photos are selected because of their interest to the editors, not to the campus as a

whole. And, finally, the editors are so desperate for help that they take on anyone, regardless of experience. I ask you-do you think this is wise? As a reader of the Tech, I think it comes across as incompetent.

In your words, "The student newspaper of a university can be one of its most important institutions." That can be true only if it is a quality newspaper. Before working to make the Tech more important, I think you should work on improving the quality.

-Matt Rowe Former Editor The California Tech

To the Editors:

We have been reading the letters in reference to the CLAGS posters lately, and frankly, wee are appalled. How can anyone accept these people who are admittedly freaks and defects of nature? They are a scourge on the fair name of Tech. We have committed a lot of time and energy in this institute of education, and now we find our faith in Tech shaken by a group of deviants who deny the very precepts of existence. How can we, as a true, God fearing community responsibly accept these people? We cannot.

Not only do we find that Tech is becoming a haven for these gays and other unnaturals, but we have noticed over the last few years that the numbers of these niggers has grown considerably. If we continue at this rate, we will have them

Walk, but in OUR alleys. In addition to these people, the campus seems to be literally overrun by these damn ornamentals. Everywhere we look we see these nips, chinks and gooks, not to mention these kikes and other foreign nationals who cannot speak English. For that matter, we should get rid of these people from Georgia, New York and Maine. Tech is an American school; it is not a training ground for every greasy bohunk that comes our way. In conclusion, we find it abhorrent that we allow these people to

litter our campus. And, to add insult to injury, Caltech allows GIRLS to come here. If we do not all strive to keep our campus clean, we will all find ourselves outnumbered and backed into a corner. We believe that we ought all put them back where they belong. It is up to US to keep Caltech pure and free from the influence of these Godless communists who would rather have Barry Manilow as President and nominate stuffed animals for the cabinet posts.

Whatever happened to the REAL men at Tech? Sincerely yours,

ACROSS

1 Dutch philosopher

14 Degree of quality

15 Boat race 17 Everything counted

locale

(2 wds.) 18 Gave forth

19 Prefix: wool

22 Coast

20 Barbara and Sir Anthony

23 Ms. Arden, et al. 25 Close to (poet.)

27 Actor Jannings

28 Avian abodes

33 Inferior sub-

35 God of the sea

40 Eileen or Walter 43 On the stock

exchange 47 "Light-horse Harry"

30 Shoe parts

32 Cakes and

stitute

39 Mr. Connery

37 Swerve

Tvlis Chang Randell Kamien

8 Wonder of the world 56 French morning

An Open Letter to Gary Hindoyan, I made the mistake of eating

lunch at Chandler today. Seeing queues a dozen people deep at the east end of the service area, I headed for the grill and ordered a 'double-double, medium well.' In response to my order, I was asked, first: "Do you want fries with that?" If I'd wanted fries, I'd've ordered fries. Then I was asked "Do you want double cheese or just double meat?" What the hell is a double-double supposed to be if not double meat and double cheese? The employee at the grill (to refer to her as a cook would be to insult anybody else who's ever worked a grill anywhere; even a certain miscreant who once referred to 'slinging burgers in the Texas heat') then proceeded to pull two pre-'cooked' patties out of a container, throw them onto the grill, and add two slices of cheese. As soon as the patties were rewarmed, they were served. As I waited to pay for this mess, the capacity of the hamburger bun to absorb bloody grease was exceeded, and a pool of the stuff formed on my plate. If I'd wanted my hamburger raw, I'd have ordered steak tartare, not a 'double-double, medium well.'

When BC took over Chandler late this summer, the food was of

13 Infertile

sister

24 Ward (off)

26 Drive back

dictation

38 Good-natured

ridicule

42 Unclad

Insect egg monkey
Woodwind instrument 49 Organization

44 Walked on

45 Apparent

40 One who scolds 41 Fidgety

46 Gobi and Mojave

47 Relative of the

52 Like a bathroom

Comic strip

character 57 Shade of green

62 Buddhist sect

component

wall

31 Cleaning problem 34 "The Prisoner

36 Racer Al or Bobby

29 Taker of

16 Fred Astaire's

high quality and well-prepared. Now the quality of the grill, at any rate, and from comments I've heard from other people, the rest of the operation as well, is at or below the standards set by BC's predecessors. Gary, I thought better of you. For years, you've provided high-quality food at your operation on Lake, and when you first took over Chandler you did likewise. What's gone wrong? -Carl J Lydick

To the Editors:

Apparently, during the 12 o'clock show of the Blacker House play, a member of our cast threw mud at the audience. We would like to apologize for this behavior. It was not a planned part of our show; we don't think getting mud on our audience is funny. We would particularly like to apologize to anyone whose clothes were splattered with mud. We regret any inconvenience it may have caused

> Respectfully yours, -A member of Blacker House

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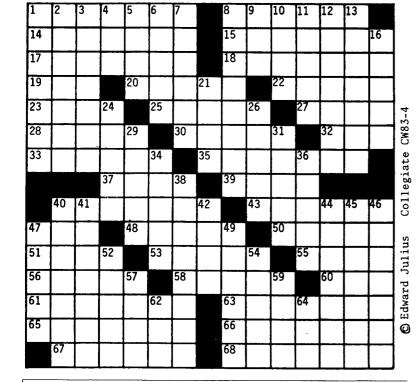
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The Caltech Y Fly-by

53 Tree of the birch

58 Unsatisfactory

60 Presidential

monogram

61 Put to use

63 Hemophiliac

65 Merrymaker

66 Molybdenum, e.g.

68 Gnawing animals

DOWN

unequal sides

6 Classmate of Dobie

- and haw

Beforehand bargains 54

Eve and Enoch

1 Triangle with

2 Idle chatter

3 Disease

Gillis

10 Spartan king

(poet.)

11 Early-blooming

51 Formerly, formerly 12 Empire or footstool 64 Scottish uncle

67 Disavow again

family 55 French kings

Friday...November 22

Are you Confused? The band is! Noon concert on the Quad. Bring a friend and a zither.

The Weekend Ski Trip starts today. If you won, don't forget

Monday...November 25

Dr. Robert Bowman, director of the Washington-based Institute for Space and Security Studies, will speak on "The Technological Challenges & Difficulties of the Strategic Defense Initiative." In Winnett Lounge at noon. It's also OK to bring your lunch.

Tuesday...November 26

New York author Vincent Crapanzo will speak on "Rhetoric, Racism, and the Whites of South Africa." 8 PM in Baxter Lecture Hall.

Wednesday...November 27

Noon Update-"Origin of the Moon." David J. Stevenson, Professor of Planetary Science. In Clubroom #1 at lunchtime.

Thursday...November 28

Thanskgiving Day-If you got matched with a family for Thanksgiving dinner, don't forget to go.

> Any questions, comments, or ideas? Come see us in the Y office or call x6163

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Interviews Today

Sherry Kurland, a representative of the Coro Foundation, will be interviewing Caltech students for the Coro Fellows Program today in room 19 Baxter from 11:00 to 12:00 and 2:00 to 3:00. The nine month program is a full-time, postgraduate fellowship designed to provide participants with intensive, experience-based training in public affairs.

Forty-eight fellows will be selected nationally this year and will work in a series of field

assignments with government agencies, businesses, community organizations, labor unions, and political campaigns.

Stipends of upto \$7,500 are available to help participants cover living costs, and graduates of the Fellows Program are eligible to receive credit towards a Master's Degree in Public Policy from Claremont College. Anyone interested in this program should talk to Sherry Kurland today.

Kismet Auditions

Auditions for this year's musical, Kismet, are being held this weekend in Baxter Hall, rooms 19 and 25, from 10-6 with dance auditions at 3 and 4 both days. Those interested in production staff, crew or the orchestra should also drop by and leave their names. TACIT wants and needs student participation in what started out as a student project, and should continue to be a major outlet for the artistic abilities of Techers. Kismet requires dancers, actors and singers to present a glamorous, lush picture of life in the Arabia of the 1001 Nights. Also needed are orchestra members for one of the largest pit orchestras in a musical.

Some of the specific requirements for singers in the cast are lots of tenors, so all you student tenors out there, come and audition! Of course staff and faculty are welcome as well. Also anyone who is a juggler, fire-eater, or acrobat would be sincerely appreciated. People to play camels and do other bizarre stage business can also be part of this musical. Anyone interested in dancing in the show should come. Much of the choreography will be arm movements. Anyone with belly-dancing experience (or, who always wanted

to try...) is especially welcome. Dance rehearsals during the early weeks of second term will be on Tuesday and Thursday evenings.

The orchestra needs all strings, flutes, oboes, clarinets, a bass clarinet, bassoons, strings, trumpets, tubas, horns, trombones, strings, tympani/percussion, and strings. Oh, yes, and did I mention strings? Especially violins. For those of you who want to be in the orchestra, it involves 7 rehearsals and 7 performances. Orchestra rehearsals are tentatively scheduled for Jan. 28, Feb. 4, 11, 16,18, and 20, with a pick-up rehearsal on the 27th.

Performance dates are Feb. 21, 22, 23, 28, March 1, and 2. Kismet is being directed by Shirley Marneus, choreographed by Liz Oberstein, and musically directed by Arie Michelsohn. Joe Beckenbach is student producer, but the position of Assistant Director is still open for anyone who really has lots of time. So if you don't have anything better to do next term, and you want to get 3 random units for graduation, why not try sinking your time into Kismet? You'll be working with a great bunch of people, and it might just be fun as well.

Waiting with Crapanzano

by Huston Horn

The whites of South Africa, oral historian Vincent Crapanzano reports in his recent book, *Waiting*, spend the present thinking about the past to avoid thinking about the future.

This bleak preoccupation will be further explored Tuesday night in Baxter Lecture Hall when author Crapanzano presents "Rhetoric, Racism and the Whites of South Africa." The talk begins at 8 pm.

Vincent Crapanzano is a professor of anthropology and comparative literature at Queens College and the Graduate Center of the City University of New York. His book, which deals largely with South Africa's Dutch and Huguenot descended Afrikaners, was first published in *The New Yorker* magazine last spring.

The book has been widely and favorably reviewed in the national press.

Professor Crapanzano's appearance at Caltech is sponsored by The Caltech Y and is funded by the Distinguished Speakers Fund and the Weingart Foundation.

IHC Highlights

By John Beck

The IHC approved two rule changes this week for Interhouse sports. Two scoring women's events (50 free and 100 IM) have been added to Interhouse Swimming. Furthermore, three scoring women's events (100 M, 800 M, long jump) have also been added to Interhouse Track.

WATER

Ashes on the wind ice cold, snow winter of the heart

Blue jay cries lost and angry against a cold and empty dawn wings clipped soul flies on alone

This poem is in memory of Eric A. Umland (His Caltech computer login name was eau, which is the French word for water.)

He was well loved and will be ever remembered.

Bowman to Speak On Star Wars

by Marty St. Clair

Dr. Robert Bowman will speak Monday, November 25, on "Technological Challenges and Difficulties of the Strategic Defense Initiative." The talk, which will be at noon in Winnett Lounge, is funded by the Distinguished Speakers Fund and sponsored by the Caltech Y and the World Affairs Forum.

Dr. Bowman received a Ph.D. from Caltech in aeronautical engineering, and then began a 22-year career in the Air Force. From 1976 to 1978, Dr. Bowman was director of Advanced Space Programs Development for the Air Force. In this position, he controlled about half a billion dollars worth of space programs for the Air Force and DARPA, including what are now the "Star Wars" programs. After retiring from the Air Force as a lieutenant colonel, Bowman moved into a position at

General Dynamics as manager of Advanced Space Programs. He later took a position as vice president of Space Communications Company. However, in the summer of 1982, Bowman resigned this position to establish the Institute for Space and Security Studies, and currently works full time as its director. In this position, Bowman has travelled across the country, speaking to groups ranging from Rotary Clubs to highlevel military officials. His military and educational background, which encompasses both technical and strategic aspects of the SDI program, make his opposition to the program difficult to ignore.

Why does a retired Air Force officer leave a six-figure job to travel across the country speaking out against a program that he once directed? Find out Monday noon at

Winnett.

EARTHOUAKE

from page 1

pus being either isolated, or at the least moderately self-sufficient for the 72 hours immediately following such an event. According to the Safety Office, the campus food service would be able to provide meals for more than 2000 people. These meals would be minimal, but they would be life-sustaining. Water needs could be satisfied by the contents of the swimming people.

To its credit, the Safety Office has taken some steps in the direction of greater preparedness and greater awareness. There has been talk of a "cogeneration plant" that would burn natural gas to produce electricity. This is currently stalled pending approval by the Air Quality Management Board, but there is a good chance that it will be clear of that by next January. Such a plant would not be able to completely power the campus, but at 60 percent of the electrical needs of the campus, could provide for the necessities.

The situation is far from ideal, though, and this was pointed out by the power outage last summer. This power failure was campuswide, and included Baxter Lecture Hall. Many students who had, moments before, been watching a movie were forced to rely on matches and lighters to find their way out. Baxter has an emergency generator that in fact went into action as the power failed, but due to an oversight it was not switched into the circuitry of the building.

Another innovation that has yet to appear is an emergency generator for the campus telephone system. As things stand today the only means by which to communicate with the outside in the absence of the campus system is through one of three or four private lines on campus, or through a coinoperated phone.

Of great concern especially to those who work in labs was the revelation that in the event of a power outage, the blowers on fume hoods would stop. Many labs do not have emergency lighting systems. The prospect of being trapped in a dark lab without ventilation as spilled chemicals combine on the floor to form noxious gasses is unsettling. To lessen the likelihood of such spills, bars have been installed across the front of racks, and tall shelves have been secured to walls.

Another matter of concern (especially for those who live here) was the safety of the student houses. All the more in light of such architectural marvels as "The Amazing Undulating Wall of Blacker/Ricketts." According to Professor Paul Jennings though, the structure of the student houses is very stable. This is in contrast to the architecture of many buildings at UCLA which upon inspection have been found to be unsafe.

Students who feel uneasy at the prospect of relying totally on the foresight of campus institutions for their well-being in event of an earthquake would do well to prepare on their own. In addition to buying those things mentioned earlier, a person can prepare for disaster by training himself. The Health Center and the Safety Office offer classes in first-aid and CPR.

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ENTERTAINMENT

Hüsker Dü

Hüsker Dü Hotel Alexandria

by David Hull

Me and Doug Gray went. Found the address-Charlie's Obsession. Couldn't find the place for a long time. Charlie's Obsession is a disco in the Hotel Alexandria. Sign there said "Hüsker Dü upstairs."

Upstairs was a Spanish party. Guard at the door didn't know English. We went up and down the stairs. We went up some other stairs.

Found it.

Paid eight bucks.

Hüsker Dü started playing immediately—real loud. The sound mix was very, very bad.

The place:

Old hotel ballroom, maybe. Big rectangular place. Plateglass mirrors at either end. Windows onto the street. Kinda fancy run-down decor. About chest high stage at one end. Open space elsewhere. Big stack of amps on either side of the stage. Stage lights trying to fall off amps.

The crowd:

Punked out college age people. Not so punked out older folks.

Single spotlight from the back.

Large, hairy guy in really unconvincing drag. Misc., including

Me and Doug.

Beer, tobacco, cloves and dope.

Instructions:

(1) Drive down in the afternoon.

(2) Rent a room.

(3) Fill the room with mind-altering substances.

(4) Empty the room.

(5) Go to opening acts (depending on how long (4) takes).

(6) Watch Hüsker Dü.

(7) Go to the room and sleep it off. (8) Go home.

-or-

Come as you are.

They thrashed out a lot of songs, with no breaks.

Real tough boys. Deliberate noise.

I recognized Makes No Sense at All.

And Ticket to Ride.

We worked our way to the front.

People were slamming politely.

Doug slammed. The drag queen slammed.

Some large guy kept bumping into me.

Guitar played lots of feedback.

Roadie adjusted the drum set during one song.

The drag queen lost his/her breasts. People climbed onstage.

Roadies calmly tossed them back.

More people climbed onstage, dived off.

After a while, Hüsker Dü stopped.

People made noise for half a minute.

Hüsker Dü came back, thrashed out a few more.

Bass player's string broke. (He kept playing)

Hüsker Dü left again.

People made noise for maybe a minute.

They came back on.

Guitar played more feedback while bass put on a new string. Someone climbed up and grabbed the old string.

They ended up singing

All work and no play Makes Jack a dull boy

(repeat as necessary).

Audience sang along. Guitar player left.

Bass player left.

Drummer left.

Crowd kept singing. Kinda like '40' on Under a Blood Red Sky.

Someone climbed up and swiped the drumsticks.

Roadie came out and asked for them back.

The person gave them back. People made more noise.

Roadies brought the lights up.

We left.

Went to Tommy's.

I could hear again by the time we got there.

My ears stopped ringing by the next day.

All in all, not so bad.

Review:

by Nick Smith Once Bitten Samuel Goldwyn Company **Directed by Howard Storm**

Have you ever seen George Hamilton's Love at First Bite? Well, take it, turn it completely inside out and backwards, and you have Once Bitten, a mostly funny vampire movie set in the Los Angeles of the 1980s.

Instead of George Hamilton's suave, debonair, politely sensual Dracula, we have Lauren Hutton's blatant, pushy swinger who needs to drink the blood of a virgin periodically to stay youthful. (Ordinary blood will do for mere

nourishment.) Instead of Arte Johnson's manic, sloppy Renfield, here we have Cleavon Little's mahvelous character, Sebastian. He's gay, black, prissy, overly picky, and steals every scene he's in. He serves the Countess's breakfast (a nice glass of blood) on a pristine tray with a rose, straightens artwork, and wears her scarves. Yes, he's a combination of several stereotypes, but all done so well that it seems as if the stereotypes

were patterned after him. After all, he's a vampire too, and he's been around a long time...

Instead of Susan Saint-James as a jaded swinger, we have Jim Carrey as a frustrated high school senior, a virgin only because his longtime girlfriend won't have sex with him, especially not in the only vehicle he has (an ice cream

Instead of Richard Benjamin as a klutzy neurotic, the vampiric love triangle is completed by Karin Kopins, a sweet, friendly, sensible teenage girl (a rarity in any movie) who actually cares about her boyfriend, but has her own ideas and standards.

Overall, the acting isn't bad. Lauren Hutton isn't a great actress. but she has the right appearance for her role, and she gets the physical parts of her acting done with style. For some reason, she doesn't deliver some of the lines very well, especially toward the end of the film. Cleavon Little is great, and Carrey and Kopins do a good job, especially in a dance sequence with Hutton. The writing is somewhat predictable, but mostly handled very well. Again, the ending is the weakest part. Maybe the lines Hutton had trouble with were the ones that were badly written. Hmmm...we could be on to something here. The screenplay lists three writers, which is usually a sign that somebody changed horses in mid-movie. David Hines, Jeffrey Hause and Jonathan Roberts all share screenwriting credits, so they must share the blame for the somewhat weak and predictable ending.

Anyway, the basic premise is that the Countess needs to drink the blood of a virgin three times to complete her youth ritual. Of course, this will turn the slightlyused virgin into another vampire, but c'est la morte. Her pursuit and biting of the requisite virgin make up the plot of the movie. After all, she hangs out in Hollywood, where adolescent or adult virgins are very rare, cinematically speaking.

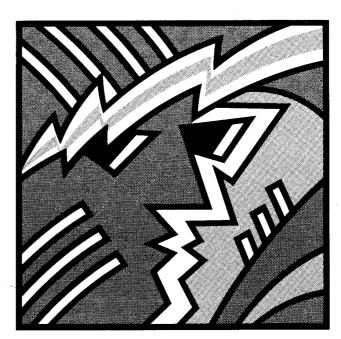
Once Bitten has a few flaws, but it is worth seeing if you like funny vampire movies. It isn't quite as funny as Love at First Bite, but it's a lot funnier than Fearless Vampire Killers. Once Bitten is playing at various local theaters.

Math Talk

by Jung Im

The Mathematics Club is sponsoring a talk by Dr. Michael Anderson, entitled "Manifolds, Connections, and Maxwell's Equations" on Tuesday, November 26th. On Monday, December 2nd will be the third preparation for the Putnam Competion, this time with Dr. Barry Simon, an ex-Putnameer, Dr. Dean, our fearless coach, and Dr. Lorden, our resident expert on the mechanics of the competition. Both will be held at 7:30 p.m. in 151 Sloan.

Perception Beyond The Obvious



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...Take a closer look

ENTERTAINMENT

MOCA Enlightening

by Bengt Magnusson

L.A.'s Museum of Contemporary Art, MOCA for short, has in its brief history established itself as a truly first-rate museum. Presently located on First and Central in Downtown L.A. (permanent localities are currently under construction), MOCA is within a reasonably short drive of Tech, and it is definitely worth checking out.

Apart from a permanent collection of well-established artists, like Rauschenberg, Kline, and Rothko (some of Mark Rothko's most beautiful works, like "Black on Dark Sienna on Purple" are included), MOCA displays works of contemporary, not necessarily famous, artists. (The permanent collection will unfortunately not be on display again until MOCA moves into its new quarters a year from now.) Every show at MOCA I have seen so far has been extremely exciting, and their winter show, which opened last week, is no exception.

The winter show, open until February 9, features works of three artists, Manny Farber (oil paintings), Michael Brewster (sound sculptures), and James Turrell (light installations). While Farber and Brewster seem to be very talented artists, they will have to excuse me: they fade away in comparison with James Turrell's work. I spent almost all of my time at MOCA admiring his installations.

I call them "light installations" because I have no better words to describe his work, being neither paintings nor sculptures. Perhaps a direct description of a typical work is the simplest way to explain

what they are like.
"The Pleiades," 1983, is quite representative. You walk into a seemingly completely dark room and sit down. After a while, when your eyes have adjusted themselves to the dark, a faint spot of light

emerges. It is so faint it is right on the threshhold between visibility and invisibility. Because of that, the Pleiades will require some concentration. Once you see it, relax. Is it red? Yes, perhaps. And maybe some blue? It slowly starts to pulsate, like a beating heart. Is it moving? No, it is stationary, and the light level does remain constant. It is just that your brain can barely make out the image, so it starts inventing things of its own. Blink. Oops, that caused your eyes to show a cascade of nonexisting colors. It will be a while before the picture re-emerges. Slowly move your eyes around. Now you can see it again, because the spot does not move. Since our eyes all perform differently, especially at low light levels, your experience may

differ from mine. Some people claim they see nothing; do not give up! You will be richly rewarded.

This is what James Turrell's art is. His installations are all minimalistic in nature: one or maybe two colors, producing a very simple shape, like a circle or a rectangle; some very dark, some a little brighter. I have never seen anyone achieve "beauty through simplicity" better than he has here, with the possible exception of Mark Rothko's art. Turrell's pieces are very meditative. As you sit down in front of one of them, its simplicity forces you to explore every minute detail of it, to let your mind wander, to free-associate.

Depth is handled rather differently in his works. His earlier pieces (of which I like "Porter-Powell," 1967, the most) are monochromatic, usually very bright white (for daylight visibilicontinued on page 10

Cut the Crap The Clash **CBS Records**

We don't wanna be treated like trash

We got one thing-

We are the Clash!"

On Cut the Crap, the Clash's first album in three years, band leader Joe Strummer is desperate to reaffirm something, and just as desperate to find out what it is. Cut the Crap longs to be an active album, but it has too many words and too little power to make it work. What were once rallying slogans for political punks now have the ring of empty rhetoric, while vapid pop phraseology only aggravates the problem. And when the band has decided what to say, it is hardly convincing.

In other words, I like it. After all, it is the Clash.

Now, before someone accuses me of blindly following Robert Hilburn, let me clarify that. Cut the Crap is not a great album. After a complete reorganization (including the firing of cofounder Mick Jones) Joe Strummer's Clash is a bit confused. A sense of purpose seems lacking. The band hasn't sold out-God forbid!-but neither does it seem to be in comfortable possession of its songs. But don't get me wrong. At times, the Clash has been the best rock band in existence, and however much of a falling-off Cut the Crap represents, the Clash has a long way to go before becoming even mediocre.

Cut the Crap isn't quite all talk and no action, but there are plenty of words on the album. "Dictator" opens side one with a militant samba beat and bursts of brass over a background of Caribbean radio noise. Struggling to come to the fore of the mix is Joe Strummer's voice, singing:

"Yes I am the dictator the more guns I got the better Yes I am the liquidator I carry the gold Beretta

You know there once was freedom

You know how dangerous that can be . . . '

This is certainly a familiar theme for the band, but it is disconcerting to find Strummer even pretending to hold a position whose existence he despises. In "Movers and Shakers" he seems to exhort the listener to do the same:

"Movers & shakers come on you got what it takes to make it Movers an shakers come on even if you have to fake it'

Aside from the strangely off songs (politically), there are those, like "Dirty Punk" and "Life is Wild," which simply don't say anything. For the old Clash, even love songs had a statement to

make. ("Should I Stay or Should I Go?" promoted linguistic equality by having Spanish lyrics.) The new Clash has not abandoned its stance, but seems uncertain how to communicate it.

he problems with songwriting **L** are mainly the fault of Strummer and his collaborator (and longtime Clash manager) Bernard Rhodes. Perhaps fatigue has something to do with it - after all. this is the band's ninth year. But the Clash does have three new members (Pete Howard and Nick Sheppard, guitars, and Vince White, drums), and its sound is hardly tired. It is, in fact, surprisingly modern and electronic, of all things. Many of the tracks are very danceable, from the hip-hop of "Are You Red..Y" to the cool funk of "Fingerpoppin'." The production (by one José Ûnidos) is a bit muddy, but it comes from trying to put everything in the foreground: this is not a relaxing album to listen to, however restrained its lyrics. Melodies are generally entrusted to Strummer's voice, which is as gritty, expressive, and powerful as it has ever been; a rowdy, top-oftheir-lungs chorus adds emphasis where appropriate.

And, despite all its problems, Cut the Crap has, like all Clash albums, several truly great songs. The anthemic "This is England" is chief among these:

"This is England-

land of illegal dances This is England-

land of 1000 stances This is England-

this knife of Sheffield steel

This is England-

this is how we feel" (Strangely, the single of "This is England" has been given as B-sides two tracks better than the average Cut the Crap song.) "Three Card Trick" is reggae in the inimitable Clash fashion. "North and South," a ballad, is a continuation of Sandinista?'s standout "Something About England." And, ignoring the lyrics, "Movers and Shakers" and We Are the Clash"-well, they

'm not deaf-Cut the Crap is Leasily the Clash's worst album. But given a band that has had such magnificent achievements in its career, it is almost reassuring to find that Joe Strummer has his off days (years?), too. And, like Talking Heads' Fear of Music, U2's October, Tom Petty's Southern Accents, etc., a bad album from a great band can still be great. It takes a lot to make a great band bad, and poor songwriting and production won't even do it. In the words of Joe Strummer,

"We got one thing-WE ARE THE CLASH!"

Leonce and Leona

by R. Wilson

Have you visited any of the smaller live theaters in Los Angeles? After attending many plays in both the Pantages and Schubert and at the less advertised repertoire houses, I've concluded that I generally prefer the more intimate theaters. In a smaller theater with an audience of one hundred, there is more interaction and less commercialism. Perhaps the performances are not famous, but they may be more talented than many stars.

If you look at the play reviews in The Reader, you will find dozens of offerings throughout the basin. Unfortunately, a high percentage of these plays turn out to be very bad. The tickets tend to be cheaper at the less-known playhouses, however, so it is not as dangerous to take some risks. Read the reviews in The Reader. If a play is particular-

ly outstanding, it will also be reviewed in the L.A. Times. Be brave and call the theater; prepare to park your car on a random alley in a dubious neighborhood.

Leonce and Leona at Stages in Hollywood proved to be an excellent gamble. The theater is outdoors; the play is a Renaissance style social satire written in the 19th century by Georg Buchner. The plot is minimal, the costumes consist merely of Renaissance garb and character masks, but the verbal interplay is elaborate, poetic, and hilarious. The action has been described as "balletic slapstick." Live music complements the enthusiastic young cast. The Reader warns that this play is "not for the lumpish-brained," so check your brain and if you find no lumps call Stages at (213) 465-1010. The show runs Thursdays through Fridays until Dec. 8. Bring a blanket!



Lite's little Necessities

India-The Golden Triangle: The second Armchair Adventure of the year, narrated by Frank Klicar. Beckman Auditorium. Fri., Nov. 22, 8 pm. \$7.00-5.00.

Bill & Delores Bing: The second Dabney Lounge Chamber Music concert of the year, with Bill Bing playing trumpet and Delores Bing playing cello. Sun. Nov. 24, 3:30 pm. FREE.

Interhouse darkness, hoping to glean the identity of this intruder.

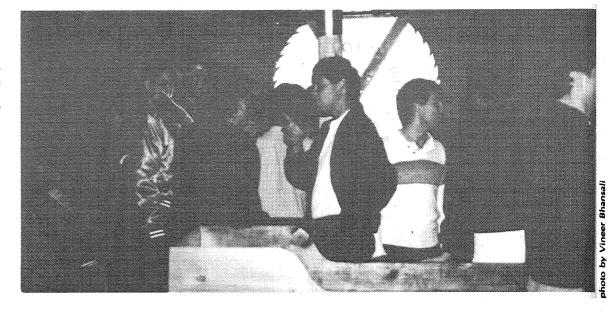
from page 1

stepped forward, using his long flashlight as a walking cane. The cold sunlight reflected off the silver helmet covering his head as he approached the weather-beaten old building. He passed through the crumbling rocks of the courtyard, and through the rotted wooden portal, entering the cavernous interior. Rays of rising sun fell through the dusty air, illuminating the wooden tables with an eerie luminescence. He stepped forward, through the old curtain, under the pseudooriental lettering; Madame Chow, hearing his entrance, scurried to her feet, squinting through the

"All Wig-o-matics are running," the commander said. "We will be airborn in moments."

The giant doors of the hangar finished swinging open, exposing the Southern Californian night outside. Cool air blew in from the mountains. Guards rushed into their machines, carrying weapons and ammunition. One by one, the Wig-o-matics lifted slowly off the floor, and accelerated gently toward the door. A long line of the machines swept gracefully out into the night air.

"Oh, yes, it's that time of year again," the twit allowed.



Fleming

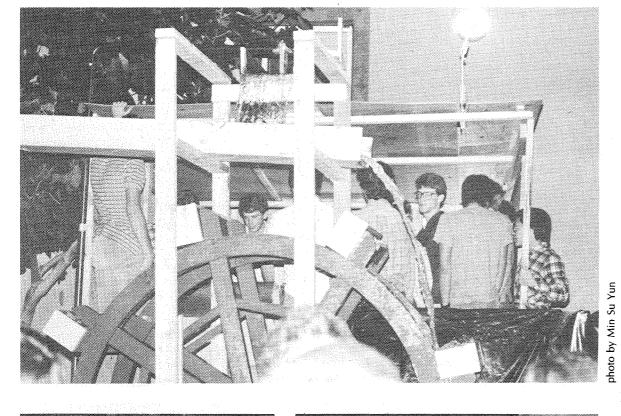
by Al Fansome

Although an hour late in commencement, Fleming Interhouse went off in good fashion with a flicker, a clicker, and, of course, a splash. After long hours, (or in some cases, hour) of hard work in preparation, everything, yes everything, was finished and functional.

Buttcheese promptly led a horde of Flems and guests in "logging on" [sic] in the "warm as a bath, dirty as a pond" (but almost Jacuzzi-like) tankful of water in the courtyard, as the "super-deluxe" B. Brunn waterwheel spun quick enough to cut redwoods. Mean-

while, in the newly-renovated log tent lounge, Lynn cleaned up at the roulette table, while Bill "the R.A." cleaned out the bar "wish sha winningsh." The dice were rolled, the wheel was spun, the Won still didn't know how to play the game. And yes, the scones were delicious, Bill. Even the play went off (almost) without a hitch-nice chainsaw though, guys.

Overall, I must say, everyone had a simply maahvelous time of it, and that includes Mr. "dining room chair is my bed" Eggleston. Cleanup is slated for this weekend-ha, ha. I'll send you guys a postcard from Vegas. Have fun kiddies.





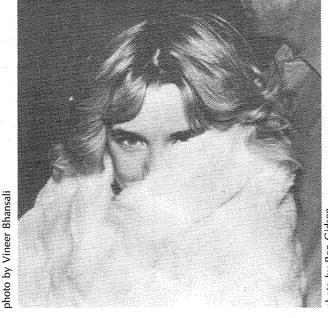


photo by

Lloyd

by J. P.

A soft knock on the wooden frame. The chimes sound as the door is opened, revealing the interior of a small, dusty bookstore. The youth browses aimlessly, until approached by the proprietor, an

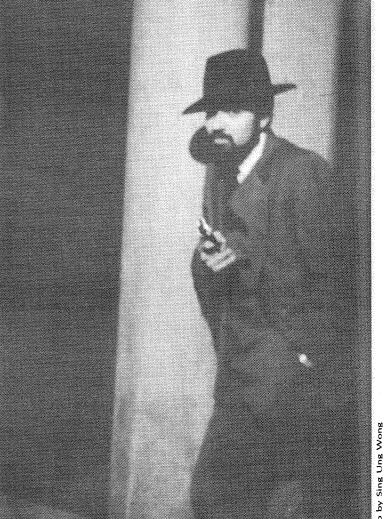
old man with eyes who have seen many worlds. He is like his books, waiting patiently for someone who needs the knowledge he contains. "I don't have what you seek, my friend, but perhaps I can lead the

The panel slides back silently, and a cold sullen wasteland stares

out. The youth strides forward confidently, but as he proceeds his forcefulness slakens. Crumbling brick walls surround him on all sides, towering over his slight form with the hatred of abandonment. The path is obscured with the litter of ages, a monument to the despair of the forgotten ones. A pale patch of light glimmers beyond the far horizon. He approaches, and responds to the challenge of the guards. "I am sent by He, bar not my passage."

The bars slide back, and the gates swing open. A cacaphony of sounds cascades out, each falling over the others in an effort to be released. The elegant people smile, and beckon. He moves in on cat's feet, wary and quick. Slowly, he relaxes. The wheel spins and the players' emotions are brought to a high. Fortunes are won and lost, as men compete in struggles over the random element. The blond steps out of the bathtub, and begins to dance. And the night is still young.

And that's the way it was. Lloyd House Interhouse of 1985, with the smell of pewter lingering in the air.











- -- --

by Michael Keating

Page House miraculously formulated a successful Interhouse party Saturday night in and around the house. And apart from a few isolated scuffles, a splendid time was provided for all. The band crooned overtime to the pleasure of the entire campus' latest partiers.

The wonder of having a successful party arises from the fact that, as late as 7:30 pm, the pounding of hammers, the whir of saws, and the grinding wheels of the Page House roller coaster's test runs echoed through the decorated halls. The backdrop was not yet set. The roller coaster, disguised as a runaway mine train, wound its way through the lower alleys of the house. With black paper, these halls had taken on the appearance of dark mine shafts. Problems arose from the fact that the cart weighed too little to keep on its tracks in the darkest tunnel of its journey. Heavy thought, together with raw frosh power, solved that problem. Brawny workers brought big stacks of twenty-pound weights from the Page Muscle Shop to lay

in the feathery cart. This innovation allowed the car to keep on track for most of its runs of the night. By the party's end, the bolts of the cart's suspension strained to the optimal angle, and derailments became scarce.

When not riding this wild, action-packed roller coaster, partiers found entertainment on the dance floor, moving to the tunes of Mickey's Brother's Band...featuring Mickey's Brother on lead guitar. But even the musical crew was beset with difficulties which postponed the start of party action. Stage arrangements apparently did not fill the necessities of the musicians. The need to rearrange several platforms delayed the dance songs for a half hour. But once the players began, dancers realized the high quality of the group. The dance floor filled for all songs played for the evening.

Both Tech-ers and non-Tech Pasadenans contributed to filling the dance floor, together with the house lounge and courtyard. Several brief wrestling matches broke out throughout the evening, usually involving an "outside" person who had too much alcohol for the night. And one particular group found pleasure in operating dry chemical fire extinguishers throughout the Page hallways. Bob Shoemaker and Matt Compton caught some of the offenders as they fled. Security took custody. Lucky offenders.

Of course some Caltech students passed their tolerance levels of alcohol. For example, both Big Al and Little Al drank well beyond their limits. Big Al finally used the Alka-Seltzer from student check-in packets for recovery, and the scaled-down version chased a pizza-on-wheels for the later part of the night. One poor physics student found himself facedown on a sidewalk at Occidental College. These people have sworn off alcohol for ever...or at least three weeks.

The house itself took minimal damage from the party. Some bathrooms had paper strewn all about and the halls had a coat of fire retardant powder. But once (if) the ride is removed, the house should return to its typical peaceful form.

Ricketts

by Saxy

After a false start with Roller Disco Nazi Germany, Ricketts decided on a dance extravaganza involving dances from four different time periods. Dr. Who's blue police box thingie was used to travel between the different eras: therefore, Dr. Who Time Warp Dance Extravaganza. The four dances were Old West Square Dance (1860's), Depression Wha-Wha Dance (1930's), Sixties Drug-Induced War Protest Dance (1960's), and High Society Ball Room Dance (1820's).

Bill Banks played the part of Dr. Who, but he could have been mistaken for a used car salesman with bad taste. K-9 was also present, but was rather inactive due to battery problems (or something). Sean, Joy, Dave, and others created murals setting the mood for each dance, including the masterpiece, "Fighting Rabid Dogs in a Depression Breadline." Appropriate foods were served for each dance, but the traditional "Joe's Bar" was missing this year.

The square dance was especial-

ly exciting because some matriarchs materialized out of nowhere and taught everyone valuable square dance techniques. The swing music was way dude and the sixties dance was the favorite of those zany Fascists. The ballroom dancing was very entertaining. Craig and Heidi waltzed faster than humanly possible, careening off walls and other couples.

Meanwhile, the Nazi rollerskaters had a great time spreading the word of John Travolta among all the houses. Josh Kurutz and Ron Gidseg, both novice skaters, were especially fun to watch. The bogus Nazi group was wellorganized despite the lack of support by any of the houses.

Overall, this year's project was entertaining for the Scurves (if no one else), and burned pretty well, too. Everyting was in the pot by 12:30 am and reduced to ashes by about 3:00 am. Not satisfied with destroying just our own cleanup, Ricketts offered to help Blacker by blowing up their bridge for fuel to burn the ship—very entertaining. Another traditional Ricketts Interhouse.

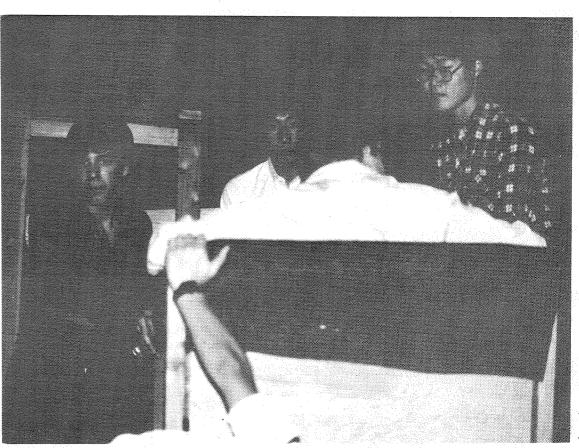


photo by Vineer Bhansali

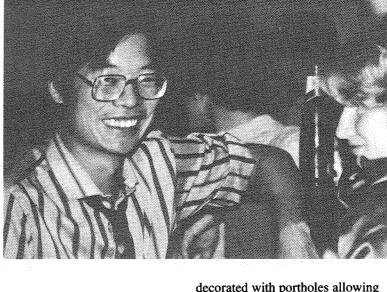


photo by Vineer Bhansali

Ruddock

by M. Boe

The Ruddock House Interhouse, "S.S. Titanic," almost missed the departure time, as house members left the work to the last minute, as usual. However, Ruddock came through once again in flying colors.

The courtyard was a magnificent sight, as the bow of the Titanic stood high above the calm water of the Ruddock courtyard. A life boat acted as the shuttle between 1.5 and the ship, for those who were bold enough to brave the waters. For others, the Berkeley South provided a warmer, safer passage,

views to beautiful (well, not always) sights.

But inside the boat was where all the action was taking place, as the passengers of the Titanic enjoyed the warm hospitality of the Ruddock House bar and the entertainment of the dance hall. With KKHR DJ Mark Hansen on the mikes, there was plenty of good music on hand and lots of dancing feet on the floor. Further entertainment was provided by the Ruddock House Theater Arts Players and the Foghorns, in a performance of two one-act plays and an ensuing musical number.

And of course, one could not possibly fully experience the

Titanic without a collision with an iceberg; and collide it did, as Iceberg Nick sacrificed his fragile self for the sake of historic accuracy.

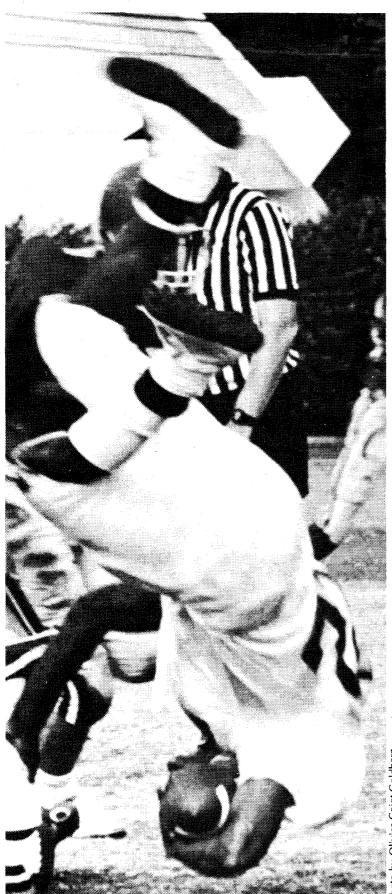
The Titanic was a great entertainment value for both the visitors and the crew. Special thanks go to the Grand Dragon, Tracy Petersen, the Iguanas, Karyn Betzen (courtyard construction), Wayne Lukens (courtyard flooding), Deirdre McClure (interior decoration), the Ruddock bar, and of course everyone who came and helped to make Interhouse such a great success.



SPORTS

THE CALIFORNIA TECH

Tech Football Upends Cal Poly



Caltech tailback Jonathan Brown flips himself to gain maximum yardage against his Cal Poly Pomona opponents. The Beavers were 35-28 victors in the scrimmage extending their record to 7-0.

HockeyCorner

by Marty Zimmerman

The Caltech Hockey Club got off to a shaky start this season. Our opening game was against UCLA. Outnumbered, outskated and outshot, Caltech got dusted 9-0. Then came Cal State Northridge. Once again our offense failed to get off the ground. Northridge took advantage of several breakaways to score some goals and despite a great effort, Caltech went down to defeat, losing 4-0.

Our next opponent was U.C. Irvine, the only other survivor of last year's Division II. Though only nine skaters were present, hard skating finally paid off. After dominating Irvine for the first period, J.P. Bardet bounced one past the opposing goalie to record Caltech's first goal of the season. A few minutes later J.P. made a great pass to Rick Miake-Lye who was blowing through the slot. Rick knocked the puck in to make the lead 2-0. In the 3rd period Irvine started to come back, scoring two goals. But in a play similar to the earlier one, J.P. assisted on a score by Rick. Peter Dowd did a spectacular job in goal, stopping several breakaways to preserve the victory.

Tuesday night Cal State Fullerton gave Caltech a jolt. Fullerton knocked us off 9-1. The score would have been worse but Fullerton got quite a few penalties due to their dirty style of play. Also, Peter did a great job in goal with 42 saves. Next Tuesday we play U.C. Irvine at home, so come out to see the game at the Pasadena Ice Center.

The Caltech Battling Beavers remained undefeated with an impressive victory over Cal Poly Pomona last Saturday. The game was highlighted by excellent play from both teams, and the largest attendance of any home game this

The game was considered by the players and coaches to be the biggest obstacle in what could be Caltech's first undefeated season in over 40 years. Two years ago, when Caltech was 7-1, the team's only loss came to Cal Poly. The score? 36-0! Many of the players on this year's team can still remember the severe beating we took on that dismal night in 1983.

Head Coach Lin Parker, in an attempt to get the team prepared for the game, dug deep into our brains and brought out the emotion of fear. In short, we were gonna' get our butts kicked and we would be lucky to hold them to under 50 points. But the players knew nobody could be that good. After all, we were 6-0.

Somebody forgot to tell Cal Poly about our record, and three plays, two bombs into the game, they led 7-0. Could everything coach said be true? It looked like he hadn't been screwing with our brains after all. These guys could play football.

After Tech's first drive stalled, the defense took over and started playing tough, physical football. It was now time for Cal Poly to punt. The punt was definitely the longest punt any of us had ever seen. This team had real kickers. Jonathan Brown fielded the punt over his shoulder and turned upfield only to see 10 or 11 green jerseys running right at him. Through the use of blazing speed, and an impressive, but illegal as all hell block by Mark Schuyler, Joe was able to run down the sidelines unmolested for a touchdown.

Cal Poly took over and used several short passes and another bomb to score their second touchdown. The pace slowed down until near the end of the half. With under two minutes remaining in the first half, Cal Poly faced a fourth down situation near midfield. Their coach felt he could put the game away with another score, so they tried one more play. The charged up Beaver defense stopped the play dead and the offense took over. Using a key pass and run to Dwight Evard, several runs by Brown and quaterback Aram Kaloustian, and an inspired line, Caltech found themselves on the one inch line with six seconds remaining. Coach Parker decided to trust his offensive line, and Jonathan Brown bulled his way into the end zone for

the score. The drive gave the team the confidence it needed to win the

However, the second half didn't start any better than the first half did. Following an interception on the first play from scrimmage, Cal Poly wasted no time in scoring & touchdown, making it 21-14. So much for our confidence, right Wrong. Caltech proceeded to kick some big green butt, and score three unanswered touchdowns. The team's success during these drives can be partly attributed to tough play by both the offensive and defensive lines. Gaping holes and an opposing QB scrambling for his life can only result in victory.

With the score standing at 35-21 and only four minutes to play, Cal Poly was able to muster up another drive and pulled to within a touchdown with still over to minutes remaining. They failed an onsides kick attempt, however, and the Caltech offense rose to the occasion by running out the clock with a couple of first downs.

Congratulations to everyone involved with the game. It was a win that will be remembered by the players and coaches for a long, long time.

Since the lines never get mentioned in the newspaper, we'll give credit this week. The starting lines are as follows: On defense, LE Steve Roskowski, LT David Brinza, NG Mike Burl, RT Seth Jelen, RE Darrin Casey. On ofcontinued on page 9

U.S. Department of Health & Human

TEST YOUR KNOWLEDGE.

Q: How many of the people who died of lung cancer last year were smokers?

A. 25%

B. 40%

C. 60% D. 80%



QUITTING. IT COULD BE IE TEST OF YOUR LIFE.

D. It's more than 80%.

SPORTS

Polo Splashes to End

by D. Mikasa

After starting out with a great first half of the season, the Beavers finished their season in a less glorious manner. The final count was 5-22, and 1-9 in the SCIAC conference games.

In the last few weeks, we played Claremont, Pomona, Cal Poly San Luis Obispo, Redlands, Whittier, and Occidental. Although we lost all of these games, there were some good times during these games. One of the highlights of this period was playing Claremont, ranked 15th in the nation, almost even for one quarter. Certain players have stood out this year, and should be commended here.

Fred Ferrante—due to Fred's outstanding play this year, Fred has become the center of our game. This year's team gave Fred a chance to make more saves than can be counted. He also earned a nickname of "Big Fred" for his appearance in the goal (LC has other reasons).

Hans Hermans—our hole man was very instrumental in our offense this year, scoring over 60 goals. "The Duck" felt right at

home in the pool and was the best judge of heads and tails the team has had in years.

Vito Ferrante—Fred's little brother was another member of the Big Three offense. After scoring 19 goals in one day, he slowed down a bit, but still scored over 60 goals this year. He may surpass old records if he practices and can score some in the off-season.

Bruno Bruning—The last member of the Big Three offense and king of Slime Polo. During multiple attacks on opposing goalies, Bruno somehow managed to get over 50 goals this year. If only he could swim, he might have been able to get back and play defense.

Boyd Bangerter—the first frosh to start in a long time, Boyd's speed gave us an added dimension. If we can convince him he's not a field goal kicker, he will be a rising star.

Devin Leonard—another speedy frosh, who will be a great asset if his shoulders hold out. What coach would not play a skateboarding, floral-print Speedowearing polo player?

Jorden Holt—a blond curly-

haired frosh who looked like a raccoon most of the year. Very speedy, great outlook for the next few years.

Clark Highstrete – another frosh who played a lot this year, and will play much more from here on. Just get that shot going and remember which side is right and which is left.

Randy Brown—a major contributor to the offense through his assists and a solid defender via his speed on the return trip.

Robby Dow—a senior whose purpose in playing polo was to "beat on whoever might take my spot." As evidenced by our injuries, he was trying hard. He is also the only guy on the team who warms up for a game by doing 100 sit-ups...and a few 12-ounce curls.

Well, that's it for this year. It was an exciting year for the team, beating PCC, Redlands, Chapman, and Rio Hondo. We thank the seniors, Hans, Fred, and Robby, and Coach Clint Dodd. The Beavers have left the pool for another year, hibernating until next season. See you then!

SPORTS RESULTS

Coach Lin Parker contemplating our team's strategy.

Caltech 5

Football Caltech 35 CSU Fullerton 9 Hockey Water Polo Claremont 27 Caltech 9 Caltech 12 fencing (M) Caltech 3 Caltech 2 Fencing (W) Caltech 1 Cal Poly Pomona 1 Basketball Caltech 93 LIFE College 70

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Caltech 9
Redlands 12
Pomona 18
Occidental 0
Cal Poly Pomona 1
Occidental 0
Caltech 0
Marymount College 78
Caltech 62
Aston Villa 2

from page 8

fense, LT John Mann, LG Craig Jahake, C Scott Miskovish, RG Raul Turcios, RT Mark Schuyler. Other players who had great games included: Martin Brouillete, who came out of the backfield to block for Joe, and played some mean linebacker; Steve Collins, who kicked five extra points and played well on defense; and no. 39 Joe Williams, who gained 100 pounds for the game and made a lot of

WEEKLY SPORTS CALENDAR

Date	Time	Sport	Opponent	Location
11-22	6:00 pm	Basketball		Christ College
11-23	11:30 am	Club Soccer	Occidental	Caltech
11-23	1:00 pm	Fencing	UCSB & Cal State Long BeachCal State Long Beach	
11-23	1:30 pm	Football	El Sereno Rebels	Caltech
11-23	6:00 pm	Basketball	Christ College Invitational	Christ College
11-26	4:30	Basketball	Christ College	Caltech
11-26	9:30 pm	Ice Hockey	U.C. Irvine	Pasadena Ice
12-2	6:30 pm	Ice Hockey	U.S.C.	Culver Ice Rink
12-3	7:30 pm	Basketball	Pac. Coast Baptist Bible	P.C.B.B.C.
12-4	9:45 pm	Ice Hockey	U.C. Irvine	Costa Mesa Ice
12-6	7:30 pm	Basketball	Pacific Christian	Caltech
12-7	2 & 4 pm	Basketball	Alumni	Caltech
	11-23 11-23 11-23 11-23 11-26 11-26 12-2 12-3 12-4 12-6	11-22 6:00 pm 11-23 11:30 am 11-23 1:00 pm 11-23 1:30 pm 11-23 6:00 pm 11-26 4:30 11-26 9:30 pm 12-2 6:30 pm 12-3 7:30 pm 12-4 9:45 pm 12-6 7:30 pm	11-22 6:00 pm Basketball 11-23 11:30 am Club Soccer 11-23 1:00 pm Fencing 11-23 1:30 pm Football 11-23 6:00 pm Basketball 11-26 4:30 Basketball 11-26 9:30 pm Ice Hockey 12-2 6:30 pm Ice Hockey 12-3 7:30 pm Basketball 12-4 9:45 pm Ice Hockey 12-6 7:30 pm Basketball	11-22 6:00 pm Basketball Christ College Invitational 11-23 11:30 am Club Soccer Occidental 11-23 1:00 pm Fencing UCSB & Cal State Long Beach 11-23 1:30 pm Football El Sereno Rebels 11-23 6:00 pm Basketball Christ College Invitational 11-26 4:30 Basketball Christ College 11-26 9:30 pm Ice Hockey U.C. Irvine 12-2 6:30 pm Ice Hockey U.S.C. 12-3 7:30 pm Basketball Pac. Coast Baptist Bible 12-4 9:45 pm Ice Hockey U.C. Irvine 12-6 7:30 pm Basketball Pacific Christian

good hits at linebacker.

Come out tomorrow to see the Beavers play Bengals in our final game of the regular season. Game time is 1:30.

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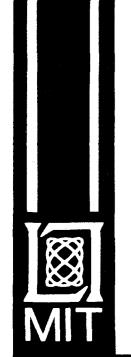
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Running Regionals

by Hah-bah

Last weekend, the cross country team officially wrapped up the '85 season as several Tech runners competed at the NCAA Division III regionals at Cal State Stanislaus. Though no Beavers qualified for the nationals, CIT's elite turned in some torrid times on a very fast, flat course. John Gehring turned in the top performance of the day with an amazing time of 26:26, which is by far the best time of any

Caltech runner this season. Chuck Lee also turned in an excellent sub-30-minute time. As far as the women runners were concerned, Clea Bures, despite several nagging injuries, managed to run a very good race, with Pam DeMoor finishing after in her best time of the season. In all, Techers turned in a very respectable showing at the NCAA competition, as they had done all season.



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Coach Lin Parker celebrating our team's victory.

by Olivier Cojot-Goldb

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by Berke Breathed

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MASSES 11

























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REGARDING OPUS' MITTHEN REGARDING OPUS' MITCLLIGENCE NEW MOSE IS OVER. AND COMMON LET'S 60 10 THE "HORSE SENSE" COMPUTER ROOM OF THE MOSLE FOR THE RESULTS.... MASSES...

ty), and totally flat. His later ones, on the contrary, have more depth than any other work of art I have ever seen. (Yes, even Barnett Newman loses out.)

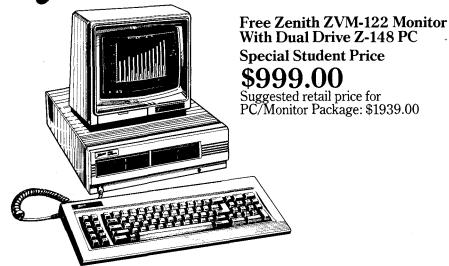
Take "Arela," 1985, as an example. As you walk into the room. you see a big, flat panel with a beautiful gradation from blue to red on it. Stand there for a while. Then walk up to it slowly, slowly. Suddenly you realize the picture surface is receding. But receding into what? As you get closer, you find there is no surface at all, just an opening into a huge, illuminated space, seemingly without boundaries. (Yes, there is another room behind the opening where the lights are hidden.)

Even better is "Laar," 1976. Similar to "Arela" in construction, its lower light level and its brown tones make the transition from flatness to depth as you walk up to it much more effective. I almost fell over when it "flipped" from being flat to opening up to an infinite void. You appear to be floating in a formless, misty space that stretches on forever and ever, beyond infinity. The sensation is enormous.

"Arkar's Visit," 1985, also deals with depth, but differently than Laar. You sit down in a dark room, and a white spot appears on the far wall. Except you cannot see the wall. So where is the spot really? It could be right in front of your eyes for all you know. Or further away, up against a wall. Or suspended in mid-air with an infinite space behind it. "Arkar's Visit" is probably the most meditative and relaxing of the pieces. It will rob you completely of left-brain functions. I could easily have spent several hours in that

James Turrell manages to create a very simple and beautiful image in his installations, with a lot intriguing depth. Their meditative qualities, their sense of space, and their beauty make them very rewarding experiences. Do not miss this show! MOCA is open 11 am to 6 pm except Fridays (11-8) and Tuesdays (closed). Admission is \$4 regular, \$2 with student I.D.

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Space Scholarship

The National Space Club will award a \$7,500 scholarship to a college science or engineering student for the 1986-87 academic year. The scholarship is in memory of Dr. Robert H. Goddard, America's rocket pioneer.

Applicants must be U.S. citizens, at least juniors in college, who intend to pursue graduate or undergraduate studies in science or engineering.

Applicants should apply by letter by January 17, 1986 to National Space Club/Goddard Scholarship, 655 15th Street, N.W., Suite 300, Washington, D.C. They should also submit an official college transcript, faculty letters of recommendation; scholastic plans; accomplishments demonstrating creativity and leadership; and proven past research and participation in space related science and engineering. Personal need is considered, but not controlling. The winner will be notified by March 1, 1986, and flown to Washington for the Goddard Memorial Dinner, March 21, 1986. For information contact the National Space Club at (202) 639-4210. Application deadline: January 17, 1986.

Food and Swordplay

Huzzah! The Caltech Medieval-Renaissance Society held its first potluck last Sunday, November 10. During the meeting we elected new officers, discussed a myriad of plans for the new academic year, and most importantly, we had a great feast. Our next meeting will also be a potluck, to be held November 24, Sunday, at 3:00 pm in Winnett Lounge. There will be a class in period dancing, a discussion about designs for a club emblem and a pavilion, and, of course, another glorious feast.

Orchestra Concert

The Occidental-Caltech Symphony Orchestra will give its first concert of the 1985-86 season this coming Monday at 8:00 pm in Ramo Auditorium. The guest soloist for this concert will be Allan Vogel, principal oboist of the L.A. Chamber Orchestra and a very prominent local soloist. Vogel will be performing the Marcello Oboe Concerto. The orchestra, under the direction of Allen Gross, will also be performing "A Night on Bald Mountain" by Mussorgsky, and Beethoven's "Symphony No. 5". The concert is free and open to the

Retreat and Pot Luck

The Caltech Newman Club is holding an afternoon of recollection in the Y Lounge on Saturday, Nov. 23 at 4:00 pm. The program includes Mass (at 5:45) and concludes with a pot luck at 6:15. Bring your favorite dish (and if you can't, come anyway).

Student Housing Jobs

The Housing Office hires students on a part-time basis to do various clerical jobs in the office. The hours are flexible and usually do not exceed 10 hours per week during the school year and can become full time during the summer and holidays. If you are interested, please see Elsa Goudsmid for details.

Manage an Apartment

The Housing Office will soon have an opening for an Apartment Manager at 1170 E. Del Mar. This position will involve approximately 20 hours of work per week, with more hours possible during the summer months. The job should be available sometime in December, and interested applicants should fill

Yearbook Class!

There will be a new section of PA 15 offered next term, and it will be for people interested in working on the yearbook. The class is tentatively scheduled to meet at noon on Tuesdays. It will be a 3 unit, pass/fail course. See John Fourkas or Alex Zorilla for more

Faculty Photos

The Big T will be having a faculty photo session this year, and the editors would appreciate it if faculty members would send in copies of their favorite black and white photos of themselves. Send them to: The Big T, 107-51, or drop us a card asking us to send a photographer. Deadline is Feb. 7.

Musicians Needed

The new Monday night jazz band is looking for a guitarist and a piano player. We rehearse from 9:30-11 pm on Monday nights. Please call Bill at (213) 684-8964 if you are interested.

Chinese Films

CCSA is presenting films each Saturday afternoon in Baxter Lecture Hall. Selections are from Taiwan, mainland China and Hong Kong. First movie starts at 1:00

Caltech Bridge Club

The Bridge Club meets Mondays at 7:00 pm, in the Red Door Cafe. We play duplicate. Everyone welcome. Earn Master Points! (We are ACBL sanctioned.) Call Jeffrey (x4543) for more details.

Women's Basketball

Practice at 11:00 am Sunday, at the gym.

out an application in the Housing Office and see Elsa Goudsmid with auestions. **MONK'S PIZZA** TAKE-OUT 26 N. Los Robles, Pasadena (Just No. of Colorado Blvd.) Limited Delivery Area 12 INCH 16 INCH 4.99 7.12 Cheese 1 Item 5.89 8.45 6.79 9.78 2 Items 3 Items 7.69 11.08 4 Items 8.59 12.38 9.49 13.68 5 Items Monk's Special 8.59 12.38 (Pepperoni, Mushrooms, Green Peppers, Onions, & Sausage) Slices served in store only \$1.00 Pepperoni, Sausage, Mushrooms, Onions, Green Peppers, Ham, Pineapple, Beef, Olives, Jalapeños, Anchovies, Extra Cheese, Thick Crust. All Pizzas Made to Order with Only the Freshest Ingredients; 100% Pure Dairy Mozzarella Cheese, and Our Own Private Sauce Recipe. All Prices Include Sales Tax. No Surprises HOURS **CALL 304-9234** Sun.-Thurs, 11:00-1:00 AM Fri.-Sat. 11:00-2:00 AM 2 ITEMS OR MORE PIZZA (Limited Delivery Area) (Limited Delivery Area) (Limited Delivery Area) (1 COUPON PER PIZZA) (1 COUPON PER PIZZA) (1 COUPON PER PIZZA)

The Inside World

Page: Interhouse came, Interhouse left. Thanks to all the planners and workers. Thanks Tom and Steve for the ride. but you must keep your crew in line. Prevent negligence! Lisa and your crew, the facades were scenic. Maid's brother-in-law's band, we loved your music...when you played. Thanks for the O.T. Physical plant, we've tested the extinguishers. They work. Severity girls (Bobby Y's friends) you entertained a few. Remember, serious flesh action...but not with you. R.A.'s, time to plant new tomatoes. And Stephan is still smiling.

Mistake of the week: thirty (sexy?) red shirts jumped two studs. Looked for a Rudd stud. Most of those uppity snots were showered. The rest ended up in the Flem interhouse pool. One was so lucky as

to visit the Dabney hot tub.

Soccer is all wins so far. Game vs Lloyd today. Then next week is super fun.

That's all for this week. Until next time, keep both feet on the ground; and keep reaching for the brewskies.

-Matt Zell

Ruddock: This is Radio Free Buddock coming to you with news from the free world. This week, forces from Page penetrated Fleming House, and returned with their scoreboard. (Ask a Page-boy about details of the Fleming Wash.) The Page-boys then gave custody of the sign to Richard "Tugboat" Till, who put it in a safe place. In an abortive attempt to get the board back, the Flems coagulated into a group of 50 and descended on Margaritaville in the heart of Ruddock, in an attempt to shower us into submission. (It should be noted that Friday, the Flems couldn't get Joe, when five Ruddock women could. That just goes to show that Ruddock is the house where "Men are men, and women can handle it.") Needless to say, they chose to battle it out with just fifteen men of Ruddock. We were a match for them though; only one Rudd, Richard Lawson, was showered before about fifteen Page-boys showed up to even the odds. At this time, we gave them a choice- stay and fight, or leave. They left.

Tuesday we dined with the Big Rudd scoreboard and about a dozen re-rotating Moles. The Moles were surprised by our temporary adoption of green-light dinner rules. No casualties (except for Joe who was a little careless about who he hit), but in the hail of napkins, Doughboy finally got a butter patty on the ceiling. After dinner, some frosh hid the sign. They got tired of having it, so they returned it, appropriately modified, to the Fleming frosh in Chem 1. Watch out for Fred, guys!

Highlights from last week's Inside World, which somehow failed to reach print: Troll Interhouse! In return for four hours of work, one Math 1 or AMa 95 homework done for you by a TA. We need more clay! Troll Interhouse!

Thanks to ya-Jonkey for starting Interhouse cleanup early by draining the courtyard-Saturday night, right into Lloyd's lawn.

Watch for the big Trojan-Margaritaville snowball fight, coming soon, and the frosh nicknaming contest. Also, Taney's Slimericks are still coming in white-hot gobs from KKHR-keep listening! And Taney – don't call me "dude"!

U G L YYou ain't got no alibi You're ugly You're ugly Your mama says you're ugly

-Wang-man

Yeah for the new waiting staff! Friday night social event is to go visit Emily at the Shaker, so let's go.

P.S. Could the kidnapped beaver be kept in the beer fridge? The saga continues.

Fleming: Last Friday was Country Club for the frosh, and along with it the mass consumption of beer and Pizza. Unfortunately, the frosh were a tad slow in getting out of lecture and the song of the day was the age old ballad, "Where O' Where Have the Boys Gone?" The only way to answer the question was to take a civilized lunch in that eyesore of a house across the olive walk. Unfortunately we couldn't find out the answer there because the only person who wasn't watching in mute awe was a spud frosh, and he was just slightly more annoying than a fly about to be swatted. Later that day, some little boys and that same spud tried to help one of our own with his math. On Monday being the generous souls that we are, we helped those same frosh with their work.

Coincidently, that very same night was the third annual Fleming Wash, which quickly turned into the third annual Page wash, as well as the first annual Lloyd-spud wash. It is truly a shame that the boys need so much help finding their way over here so they can be washed, but what can you expect from a house that wants to help us wash their very own president.

In the regular sports department, our soccer team shows that the Big Red machine just rolls on and on. Undefeated so far, let's keep it up. This Sunday we've got discobolus football against the spuds, so get out there. Also we've finally got an alley challenge, Alley 2 (alley who?) vs the champions of Alley 1 this Sunday, so guard your door Moberly.

In addition to the sports, this weekend's social event is Interhouse clean-up. (Let's all log-out.) Beer and Pizza for those who help, so get out there in your free time. Speaking of Interhouse, everyone who was out there deserves a hand. Special thanks to: Brunn, Frank, Gibbs, Bill, Ara, Donna, Sean, The R.A.'s (who were still drunk when they woke up Sunday), the actors, those hearty folks who worked the tables, the bar, and the food stand, and the true lumberjacks who got out there and tried their hand, or feet as the case may be, at log rolling, and especially, Egg in an advisory roll. Way to go.

-Al Fansome

WHAT GOES ON

CCF Square Dance

Saturday, Nov. 23 in Dabney Hall. Everyone is invited, and bring friends. The fun starts at 8:00 pm and lasts till 10:30 pm. Beginners should come early and learn the steps. Whether you're a beginner or an expert, you'll have a great time. Co-sponsored by Caltech Christian Fellowship and the Caltech Y. Refreshments will be served.

Shabbat

Help us welcome the Sabbath. Everybody is welcome to join us at the Bayit (350 S. Wilson) for services (6:00 pm) and/or dinner (6:30 pm). Please RSVP (if possible). Our extension is x3966. Next Friday night (Nov. 29) there will be no Friday night service and dinner, due to the Thanksgiving holiday, but they will resume December 6 at the times listed

Concrete Awards

The American Concrete Institute is making three \$2,000 awards for graduate study in the field of concrete for the 1986-87 academic year. Applicants must possess a bachelors degree by the summer of 1986 and be accepted for graduate study in an engineering program in the area of concrete. For details, contact the Financial Aid Office. Application Deadline: January 15, 1986.

De Karman Fellowship

The Josephine de Karman Fellowshi p is being offered to students entering their senior undergraduate year and graduate students entering their third year (or after) in the fall of 1986. Special consideration will be given to applications in the humanities. However, all applicants will be considered who have manifested exceptional ability and serious purpose in any discipline. For details, please contact the Financial Aid Office. Application Deadline: January 15, 1986.

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Read Germans

The Caltech Literature Reading Group meets the second Sunday of every month at 2 pm in the Red Door Cafe. For Dec. 8 we will be discussing Goethe's *The Sorrows of Young Werther* and Schiller's *Wilhelm Tell*. Come join us over tea (and suggest a name for our group).

Jews in the U.S.S.R.

Professor Anatole Katok will speak about "Living Conditions of Jews in the Soviet Union" on Sunday, November 24 at 4:30 pm in the Red Door Cafe. Dr. Katok studied at Moscow University and graduated with a PhD in Mathematics. He emigrated from the Soviet Union in 1978 and has kept abreast of conditions through correspondence with friends still residing in Russia. The talk will be followed by a delicious deli dinner and letter writing session. Everyone welcome. Talk is free. Deli dinner costs \$3.50. Questions? Contact Myra at x6163 or (213) 208–4427.

Renaissance Society

Free food!! Huzzah! Come to the Caltech Medieval and Renaissance Society's potluck on Sunday, November 24 at 3:00 pm in Winnett Student Lounge. There'll be a class in period dancing and lots of great food. New members are always welcome. We will also be discussing Heraldic devices and designs for a pavillion. Also be thinking about Twelfth Night, which is January 11. Reservations are \$8.00 and include the feast. Pam Walton needs all the reservations by December 8. See you at the revel.

Engineering Money

Engineering scholarships are being offered by the National Society of Professional Engineers (NSPE). Sophomores, juniors and seniors may apply. Scholarshi ps range from \$1,000 for one year to \$20,000 for full tuition, four-year scholarships.

Applicants are judged from national standard test scores, essays, transcripts and extracurricular activities.

For more information and applications, contact the NSPE Information Center, 1420 King Street, Alexandria, VA 22314.

Deadline for application requests: November 22, 1985. Application deadline: December 6,



C*L*A*G*S

CLAGS is having a weekly discussion group on Monday nights at 8:00 in the Y Lounge (upstairs Winnett, through the Y office). Everyone is encouraged to come out and see what's going on.

Summer in Europe!!

Spend the summer living and working abroad. If you have a functional knowledge of either German or French, you may apply for a variety of summer work experiences in Germany, Switzerland, Belgium and France. For further information, contact either the Career Development Center, 08 Parsons-Gates, ext. 6361 or Dr. Andreas Aebi, 12 Dabney, ext. 6320. Initial application is due March 1, 1986. If there is significant student interest, a group presentation about the program will be arranged.

Senior Photos

It may seem a bit early, but this is the first call for senior photos. They should be black and white, any size. Turn them in to the Publications Office, or mail to *The Big T*, 107–51. Pictures must be in no later than Feb. 7. If you need a photographer, simply send us a note (preferably well in advance).

Extra t's

What? You haven't picked up a deluxe 62nd-edition little t and there aren't any extras left in your house? "No problem!!" say your devoted little t editors, who have extra copies secreted in their rooms, and will bestow one upon you, should you but ask. Said editors are located in Room 11 Ricketts (Peter Alfke) and 109 Marks (Matt Rowe). If you're too embarrassed to actually meet these people, Chris "MOSH" Brennen also has a secret stash. Don't miss out!

Caltech Musical

Auditions for this year's musical, Kismet, will be held on November 23 and 24 from 10 am to 6 pm in rooms 19 and 25 Baxter. Scripts, scores and recordings are available from Elaine Gese at x4925, room 326a Kerckhoff. Call first to let her know you're coming. We need more student participation, so we encourage anybody and everybody who wants to act and/or dance and/or sing to audition. Those interested in orchestra should also come and leave their names. Performances are Feb. 21, 22, 23, 28, Mar. 1, 2.

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Identity Crisis?

Ever wonder if you were really cut out to be a physicist or not? Or maybe you've wondered if it's possible to be a scientist and a Christian at the same time? Well, Erik Aslakson knows, and he will only divulge the answer at tonight's CCF meeting when he speaks on "Our Identity in Christ." The meeting is at 7 pm in 210 Thomas. All are welcome. Refreshments will be served.

ArtsTech '85

From November 18 through November 23, CalArts will be hosting a joint CalArts-Caltech Computer Art Show, ArtsTech '85. The show will consist of a gallery exhibit of hanging art, stereoscopic 3-dimensional work, and animation. During the evening of November 19, there will be two performances of live computer music and interactive computer animation and video in the CalArts Color TV Studio. The performances will include music by Morton Subotnick, Barry Shrader, and Peter Otto of CalArts, with dance by Larry Attaway and others from the CalArts Dance School. Computer animation will be prepared by CalArts and Caltech artists, including Ed Emshwiller, Eric Martin, Vibeke Sorensen, Jules Engel, Alan Barr, James Kajiya, Brian Von Herzen, John Platt, Jon Leech and others from the CalArts Computer Graphics Group and the Caltech Computer Science Graphics Group. Artists and scientists working creatively with computer graphics will be participating from the Caltech, JPL, and CalArts communities. Fairlight Music Instruments will be providing a CVI, Computer Video Instrument, for the live performance. The performances on Tuesday, November 19 will take place at 8 and 9:30 pm and will coincide with a reception in the Gallery. For information call the CalArts Ticket Office at (805)

Thanksgiving Mass

The Eucharist will be celebrated in the Y Lounge on Thanksgiving Day at 10:30 am. There will also be a mass there on Saturday, December 7 (Immaculate Conception) at 9:00 am.

Night At Studio One

All Caltech students are invited to join USC as they host University Night at Studio One, Tuesday night from 8-2. The \$4 cover provides a buffet (8-10), dancing and entertainment. Be 18 & over and bring school I.D. Studio One is at 652 N. La Peer Dr., West Hollywood.

Xian Exhibit

"The Secret Army of China's First Emperor," a priceless collection from the burial complex of the First Emperor of China, Oin Shi Huang Ti, will be on view and open to the public until December 1, 1985, in the lobby of the Hall of Administration of Ambassador College in Pasadena, located at 300 W. Green St. Admission is free. Hours open are 9:00 am to 4:00 pm Monday through Friday and Sunday from noon until 7 pm. The exhibit is closed on Saturdays. For further information, call (818) 304-6123.

Bayit Thanksgiving

The Caltech Bayit is offering a free Thanksgiving dinner to a members of the Caltech community. Dinner will be served at 5:30 pm at the Bayit (350 S. Wilson). Please RSVP by Monday (x3966).

Engineering Awards

Consulting Engineers Scholarship Competition Awards for juniors and seniors in engineering who are interested in consulting engineering as a possible career. State awards are about \$1,000,000 and the top national award is \$5,000,000. Information and applications are available in the Career Development Center, 08 Parsons-Gates.

Volleyball

The Caltech Volleyball Club finally has regular gym time effective through the end of first term. Recreational volleyball will be Sundays at noon, men's team practice Tuesdays and Thursdays \$7:30. All are welcome. Stay tund for information on our upcoming Triples Tournament. For information call Tyler, x4442.



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