

The ME72 contest was pretty cool, except for that cameraman who kept on standing up. Congratulations to winner Charles Cook and runner-up Sandor Nagy. Kate Loomis is the luckiest person alive.

THE CALIFORNIA TECH

Volume XCI, Number 10

Pasadena, California

I want a BMX bike.

December 1, 1989

New, Faster Format Tech

In response to readers complaints of too much sports, and not enough news on the front page, we, the editors, have moved sports to the back page. Also, since a picture is worth a thousand words, we are increasing the amount of information on the front page by replacing all stories with pictures.

We have also expanded headlines and included Column One, a weekly column by the editors on the front page. We will be numbering our pages so you can find continued articles easier.

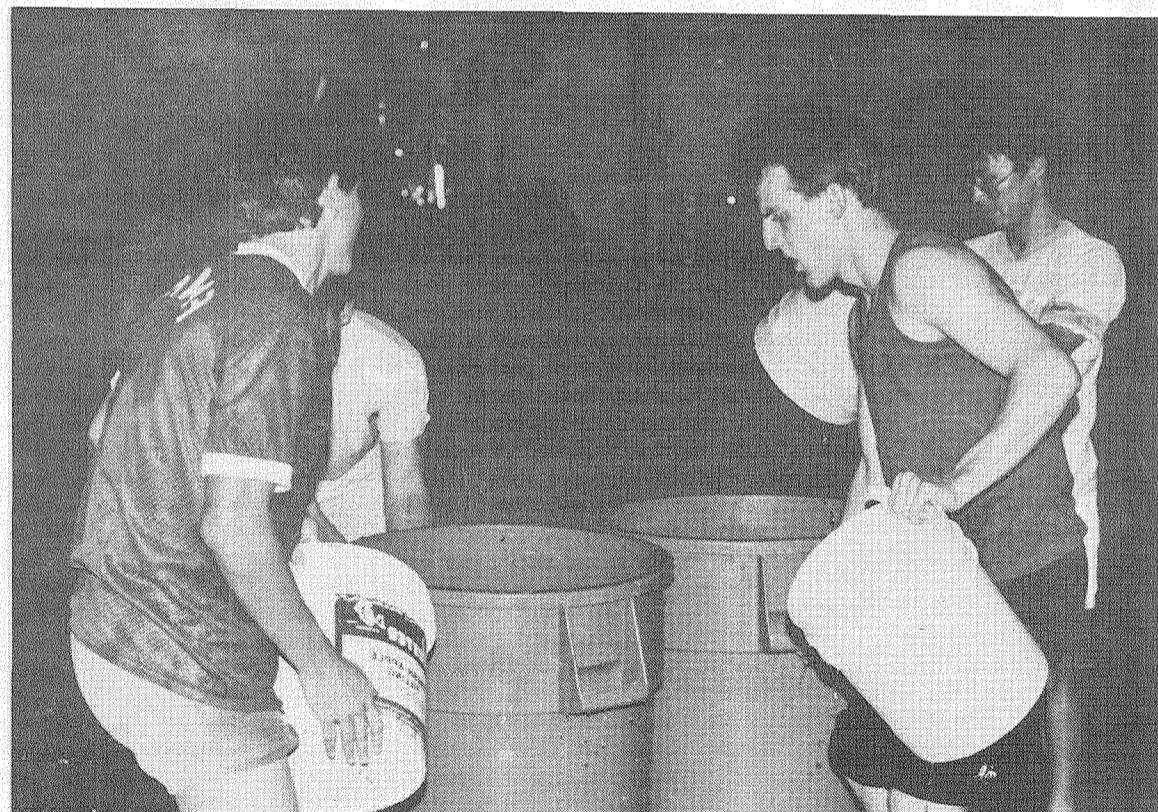
The Letters section of the Tech has been getting much attention recently, so we have expanded the Letters to all of pages two and three.

The new one-column Inside Worlds are not only easier for us to lay out, but they make it appear as if David A. Edwards' Inside Worlds are smaller.

If you have any comments or questions about the New, Faster Format Tech, please call X6153.



The Blacker women trying to look tough (but only one succeeding) at this year's Interhouse.



Fleming bails itself out of another Interhouse.

Crime and Incident Beat

- 11-14 A patrolling Caltech security officer happened upon an open door at the Public Events office. He locked the door and searched the area.
11-16 Three black youths on bicycles were observed looking around the Catalina Complex bike racks. Suspects were gone when Caltech security arrived.
11-16 Stereo equipment was stolen from a S. Holliston residence. The victim had left his door open so that visitors could enter.
11-16 A witness saw a car driving around in the parking structure strike a parked car and drive off without leaving a note.
11-17 A wallet stolen from a Booth Lab office. The wallet had been left in a closed desk drawer, unlocked.
11-18 The side mirrors were stolen from a car parked on Arms Drive off of California Blvd. The radio had been tampered with, but not stolen.
11-18 The Chandler dining hall electric cart was stolen from the parking/loading area during Interhouse. A search of the area proved fruitless.
11-18 During Interhouse a Caltech security office encountered several unauthorized persons in Firestone. After a brief confrontation, one of the suspects sprayed mace at the officer. The officer was blinded and suffered pain. The officer called for backup. A car parked in Chandler parking area was struck during Interhouse on the right-side door. White paint was apparently transferred from the incident vehicle. There is speculation that this was caused by the stolen electric cart.
11-20 Cash was stolen from a purse left on a desk top in Noyes Lab
11-20 A victim returning from the Pantry encountered a large black man toting a tire iron on the corner of San Pasqual and Catalina. The man said "give me all your money." The victim complied.
11-20 Victim was sitting in class when an assailant, wearing a ski mask, handed victim a note and doused him with water. The note read, "Be sure and report this to Crime and Incident Beat."
11-22 Two vehicles collided in Lura parking lot. A tow service was called to separate the two vehicles without causing further damage.
11-23 A Braun House resident had jewelry and cash stolen from his room. The room door had been left open while the victim cooked his dinner.
11-23 Three unthinking Moles were apprehended in the basement of Central Plant by a plant operator. They were advised that they had trespassed into a restricted area containing highly sensitive equipment. The witless three asked for forgiveness.
11-25 The driver's side window of a car in West Wilson parking lot was smashed, and the car's stereo was removed.

Total dollar value stolen 11-15 to 11-29: \$8935

Everyone's in a hurry to read the new faster format California Tech sports section.

photo by Keith Langer

LETTERS

Loss of Trust

To the Editors:

One of the things that impressed me most when I came to Caltech as a freshman was the unique (in our experience) relationship between students and administration. Students were given a degree of freedom unheard of in other colleges. The existence of a working honor code let the administration feel secure in doing things like giving students master keys; if there was a problem, the administration worked with students to solve it with a minimum of fuss. There was an attitude of mutual respect and (for the most part) cooperation on both parts.

The feeling, true or not, that this has changed is undeniably becoming increasingly prevalent in many sectors of the Caltech community. I have not gone a week since the beginning of the year without hearing or reading the phrase "rules handed down arbitrarily from above" or something much like it. I know for a fact that a few actions of the end of last year and the beginning of this one have seemed to members of the student body from all houses to be unworthy even of rational discussion, meriting only ridicule. In any case, few upperclassmen would deny that the extent of personal freedom the average Caltech student enjoys is much less now than a few years ago.

Again, I do not propose to justify these beliefs, or debate the alleged actions behind them; I simply wish to call attention to the extremely dangerous fact that they exist. The general belief that the administration "is not on our side" is fast emerging among students. This seed could well bear bitter fruit in that the administration-student relationship would become what it is in other colleges: the administrators become little more than police officers, while the students' main goal in interacting with them is to see what they can get away with. Caltech is a very open community; it will be a sad day for all concerned if this happens.

Unfortunately, the administration-student relationship is not the worst possible casualty of this perception. For some students it is a small psychological leap from the social code of conduct at other colleges to the academic one. Certainly the academic side of the honor code is the most sacred in students' minds; certainly we are far from the widespread cheating that goes on elsewhere. However, one must remember that there is a (presumably) four-year turnover of students. The incoming freshmen this year have known no other attitude toward the administration than the one they have seen; if they become as jaded by the time they are seniors as this year's seniors are, would academic dishonesty be such a psychological leap for the incoming freshmen of four years from now? One must also keep in mind that it would only take a very small fraction of the student body to ruin the academic side of the honor code for everyone.

Once more, I make no comment on the veracity of any student's feelings; nor do I attempt to consign blame in any way. I simply wish to call attention to what I consider a clear and present danger to the ongoing well-being of the community.

Sincerely yours,
—Gordon Pioreschi
Senior, Page House
—Matt Paduano
Junior, Page House

Let's BOC 'em

To the Editors:

After these few weeks of fire and brimstone, I would like to offer a few thoughts that have been unfortunately glossed over...

Our administration has a record of ignoring problems until they reach the crisis point, so it is perhaps not surprising that the issue of sexism has done so. Suddenly, it has gone from a rather overlooked problem to being The Overriding Concern of Caltech. Unfortunately, it has claimed a number of unwilling martyrs in the process; the persons involved in the You-Know-What Incident, much of the rest of the student body, and the

Honor Code.

In any community, problems will arise; in this case, some undergraduates showed a distinct lack of judgement. Some people were understandably offended, and complained, as they had every right to do. The history of Caltech is sprinkled with incidents; and though few are of this nature, there have been many which have stirred controversy. The handling of this one, though, seems unique. There was no Honor Code. There was no consultation of the student government. Punishments were doled out, one by one, on any person who the administration had heard was involved. Existing structures for ensuring proper and equitable treatment were bypassed in favor of swift and final decisions.

In the past, if there was a question about whether or not a given member of the community had done something imprudent or wrong, the persons objecting to it would take the matter up with the Board of Control, which reviews alleged violations of our Honor Code. It is meant to encompass all aspects of student life; essentially, to hold students to a certain ethical standard in all their dealings here, much as the faculty is supposed to hold themselves to similar standards. On the most base level, it means no lying, cheating, stealing, etc., but in practice it can be more complex. It asks, very loosely speaking, if an action of yours hurts someone else, if you gained at someone else's expense, or so on. The duty of the BOC is to find the answers to such questions, on an individual basis, and if they can answer "yes," to determine (a) how they can correct the "advantage taken" (a frequently daunting task) and (b) whether or not the person involved is able to abide by the same ethical standards the rest of us are.

If not, that person may be asked to leave Caltech, either temporarily or permanently. It should also be noted that all the BOC does is recommend a course of action to the Dean, who does not have to blindly follow their recommendation.

Why then, was the BOC left completely out of the picture in these events? The actions of a small number of students have damaged the reputation of the house involved and distressed quite a number of people. Separating what happened because of their actions from what happened when a group of people lassoed the event for their own pet causes, this is a case well within the jurisdiction of the BOC. The questions are of social responsibility within the confines of Caltech; is that not one of the reasons for the very

existence of the Honor Code?

The actions of Drs. Wilde, Brennen, Lorden and Everhart are extremely damaging to the effectiveness of the Honor Code, and should send a worrisome message to both students and faculty. The Honor Code is not a toy; nor can it be switched off and on at will by students or the administration. Regardless of their actions, the persons involved in the incident have been treated unfairly. They have not been judged according to the same standards as the rest of the undergraduate community. They have not been treated equally, according to the supposedly unwavering standards of the Honor Code, because their actions were somehow more severe than "ordinary" transgressions. But is cheating on a test, or purposefully injuring another student, or destroying property any less damaging an action? Why is it these things are left to the jurisdiction of the Honor Code, but this incident was not? Perhaps it was because the people most offended were more important than an "ordinary" student or an "ordinary" member of the faculty. Perhaps angering Drs. Wilde, Brennen, Lorden or Everhart constitutes something so serious the Honor Code no longer applies. Or perhaps they simply feel they know what is best, and to abide by the Honor Code would be an unnecessary element of bureaucracy.

There should be no offense so great that it cannot be encompassed by our Honor Code. For it to hold, though, it must be honored on all sides; there can be no "special" transgressions that invalidate it. If the administration does not hold up its end, then it will become useless; a weapon to frighten students into "correct" behaviors, but one the students will feel no love for. The key to the success of the Honor Code is the students' love for it; their belief that it protects them every bit as much as it protects their professors and everyone else. To remove that trust, by circumventing its procedures for "more serious" cases, removes the very cornerstone of student-faculty interaction here.

In the case of the Incident, there was no reason for a crisis atmosphere; it was created because the administration handled it that way. The privacy afforded by the Honor Code would have prevented a large part of the hostility that now exists; anyone who was upset would have contacted the BOC, and the matter would have been handled in an appropriate manner—quietly and privately.

I hope that if the administration considers the actions of these students to be so detrimental, they will bring

those cases of all punished parties before the Board of Control, and revise their actions based on the recommendations of the Board. Of course these proceedings are private; they will have no right to broadcast the results to the rest of us, so for us I ask something else: an acknowledgement by the administration, including Dr. Everhart, that no student should be "punished" without the same treatment (essentially, a "fair trial") as is afforded the rest of the student body; that in the future, the Honor Code shall determine what is appropriate behavior for all students. It has worked for many years; I would like to see it remain for many more.

—Michael J. Lazzaro

1-58

But I Didn't Sign It

To the editors,

Regarding the Affirmative Action Committee's letter in the November 17 Tech: several of my friends came up to me and asked how I could have signed that letter. The answer is that I read the letter; however, I did not sign that document as it appeared in the Tech. I supported the letter only after a caveat was added to it. Were it not for the addition, I would not have signed it. I feel that to print the letter, unmodified, with my signature attached to it was an unfair and inaccurate reflection of my opinions and perhaps borders on slander.

Sincerely, —Eric Schell

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LETTERS

Be More Receptive

Dear Dr. Everhart:

I am writing to express my concern over the apparent lack of communication between the students and the administration and the administration's apparent lack of understanding of the situation that has evolved from the sexual incidents at the undergraduate party of October 21. Your November 17 memorandum perfectly illustrates how these events have been misunderstood and misused to the detriment of the fragile balance of trust that previously existed between the administration and the undergraduate population under the Caltech Honor Code.

The first sentence states, "At a recent party some undergraduate students voluntarily engaged in activity that was inappropriate, that offended some persons present, and that necessitated disciplinary action." You go on to state that the Caltech community as a whole feels that the incident was wrong and that the persons involved "unintentionally did take unfair advantage of the other members of the Caltech community." This last statement is probably true. However, while virtually everyone directly or indirectly involved agrees that it was an inconsiderate act which may have violated the Honor Code by taking unfair advantage of a few people in the immediate vicinity, whether or not any disadvantage was afforded the rest of the community by these actions is a matter of debate. Furthermore, the idea that this incident "necessitated disciplinary action" is suspect. Because it was an Honor Code Violation, the matter should have been investigated, possibly by the Board of Control, to see if, in fact, there was a sizable number of persons who felt offended. Such an investigation should have at least included some discussion on the part of the administration with those involved and those affected to determine if this was, in fact, an Honor Code Violation which necessitated disciplinary action. The only debate which did occur between the administration and the students took place in a few meetings between individual students and administration officials during the four days allowed for the investigation. Some of those directly involved were not able to meet with administration officials until after the administration met to make its own independent decision.

The first sentence of the second paragraph of your memorandum states that "Most long-term solutions to problems at Caltech involve thoughtful discussion, followed by action supported by a substantial majority of those affected." This was clearly not the case regarding this incident. While there have been many meetings and debates amongst the students, the administration has refused to meet with students on anything but an individual basis despite several promises that a meeting would be held. Furthermore, the independent action taken by the administration is almost unanimously opposed "by a substantial majority of those affected." The circumventing of the student government, the refusal despite promises to meet with the students, the apparent disregard

for the opinions of the students at large, and several petitions expressing the students objection to the handling of this incident all demonstrate that your statement was not in any way applied to this situation by the administration.

You go on to note that "The event mentioned above triggered several letters to the campus community, which appeared in the November 17 issue of the *California Tech*." There have, in fact, been several other letters published in previous issues of the *Tech* which the administration has yet to acknowledge. The letter you then chose to quote, written by graduate women, was only one of four letters appearing in that issue. You state "Their letter has wide support." While this may be true amongst the graduate population and others not involved in this incident, the letter does not have the support of the undergraduate population. Eric Schell, one of the undergraduates whose name was listed in support of the letter, did not sign it. What he signed was an amended version stating that the undergraduates are adults capable of handling their own affairs. This calls into question the validity of the entire list of people who supposedly support the graduate students' letter. Furthermore, the very next letter appearing in the *Tech*, written by the women of the house involved who clearly would be the persons most directly affected by any "sexist" overtones at this incident, opposes the graduate students' letter. This letter, which you did not address, states that "we, the women of the House involved, feel that these events are not related to the issue of sexual discrimination discussed by their [the graduate students'] letter. Attaching this unrelated event to this issue will merely inflame the raw nerves that already exist." The letter goes on

to refute the claims made in the "thoughtful letter" that the incident at the undergraduate party was motivated by sexist attitudes, that the persons involved were coerced into participation, and that the women involved were victims of sexist discrimination. While everyone agrees that sexism is an important issue at Caltech, your endorsement of its association with the Bonfire incident is clearly unfounded and unsupported by those affected.

In your final paragraph you "thank those who spent the time to thoughtfully draft letters concerning these issues, especially the letter with such wide-spread support, regarding the gender problems on campus." Once again, the implication that the sexism issue is related to the undergraduate party incident is clearly unfounded as is the statement that the graduate student letter has "wide support." That letter was written by graduate students who were neither present at the party nor seeking the opinions of those involved. Including the sexism issue in the debate over the Bonfire incident merely confuses the issues with irrelevant facts and opinions while serving only the purposes of those who wish to use the incident to further their own causes without regard to either the persons involved or the Caltech community.

Your memorandum publicly demonstrates the administration's basic lack of understanding of the situation. The administration has proceeded in taking independent and arbitrary action without full regard to the opinions of those involved while circumventing the function of the student government and with a blatant disregard for the spirit and letter of the Honor Code. The trust which the undergraduate population must place in the administration for the Honor Code to be effective

has been violated by the inconsiderate actions, accusations, and assumptions made by the administration. You have stated that "Most long-term solutions to problems at Caltech involve thoughtful discussion, followed by action supported by a substantial majority of those affected." I implore you to live up to these words by meeting with the students to discuss the matter and its implications and to put to rest this rapidly escalating conflict.

Sincerely

-Seth B. Noble

We, the undersigned support the above letter to Dr. Everhart.

Steve Byers, Yair Zadik, Eric Schell, Steven Anderson, J. Alan Low, John Uhley, Todd Alendorf, Harold Zatz, Alex Wein, Dean W. Brettle, Russell J. May, Betsy Marvit, Adam Janin, Linda Maepa, Elaine Lindelef, Rachel Schwartz, Jackie Holmes, Stephen Thompson, Jon Lange, Will Watson, Erika Moilanen, Jon McGill, Kevin Cooper, Alf Mikula, Bradford Threatt, David A. Edwards, Maggie Taylor, Jill Soha, Elizabeth West, Sven O. Peterson, and Rich Benzinger.

*The MOSH has refused to meet with groups of students. Dean Brennen has agreed to meet with Dabney members in groups of about 15 at a time.

students, professors, and lawn maintenance personnel chose to express their views on this seemingly innocuous undergraduate matter that, in fact, gravely and directly affected all of our lives.

Indeed, where sexism is concerned (and I am convinced it was centrally involved due to my detailed discussions with Mitch the Janitor, who has indirect, yet nonetheless strong, ties to undergraduate society), I feel that firm, but fair, action is required. Perhaps human sacrifice would be appropriate.

This brings me to my second comment. In none of the previous responses did anyone mention religious freedom. Yet, I understand that, during the "unfortunate incident," several sacred rituals relating chiefly to Juiblex and Azathoth were attempted. This was done simply for the sake of amusement as a prelude to a wild seance, the purpose of which was to contact the late John Holmes. I, as a member of the Alternative Religious Society of Caltech, find this most upsetting—I hear that the important pre- and post-ritualistic incantations were wholly omitted! This points to a certain callousness that is not conducive to life, work, and reproduction here at Caltech.

In conclusion, I would like to say that I am glad that the administration came to an unhurried and non-overreactive conclusion to the matter. Moreover, I am glad that at least the 120 aforementioned people had enough social consciousness to write in to the *Tech* and make clear their views in concise and not at all vague or long-winded letters.

Signed:

Buzz Leukens, Ben Doverius, P. Tatothead, and 237 others

Just Mellow Out

Dear Editors:

I, too, would like to comment on the "unfortunate incident." Actually, I have two comments: one regarding earlier responses and one regarding an element missing from earlier responses.

Concerning the earlier responses, I was shocked and saddened that only 120 or so well informed graduate stu-

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O

COST: FREE

M

WHAT: Movies

P

Good times

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Food (lots of)

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--deli bar

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--bagels &
cream cheese

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--fruit

N

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LETTERS

Reflections

Dearest Editor,

As I complete my senior year, I begin to reflect upon the time spent here at Caltech. My parents have now donated more than \$40,000 to the Caltech tuition pool, and in that spirit of giving, I add my own two cents.

One of the most overlooked problems on campus is the designation of an otherwise useful parking space in the Synchotron parking lot as *handicapped* only. Anyone who walks past the Synchotron lot on a daily basis knows that there is only one person at Caltech who ever uses this parking space, and while it may be especially convenient for this one particular person (incidentally whose handicap is highly disputable) the designation hinders the rest of the students who can find parking spaces only with great difficulty.

Perhaps the second most overlooked problem deal with one of Caltech's oldest traditions—the alma mater. How many members of the Caltech community can honestly claim to know even the first word of this patriotic tune? I offer my suggestion: the *Hallelujah Chorus* of Handel's *Messiah*. More often than not, this chorus would better suit the feelings of the people for whom it is sung, and more importantly, everyone would at least know the first several words.

One of the great enigmas at Caltech is how the administration disposes of the millions of tuition dollars elicited from the undergraduate population (or the parents thereof) each year. And how does the administration manage to make use of the 55% skimmed off the top of every grant received by the professors? Could all the rumors be unfounded? Is the statement that the Caltech endowment-professor ratio is second highest in the nation a pure hoax to lure starving post-docs to this hallowed institution? Is Caltech no longer the veritable black-hole of NSF, DOE, TRW, and Beckman funds? One begins to suspect that the administration has joined forces with the defendants in the current litigation against administrators of California universities accused of price fixing. After all, tuition *should* be proportional to prestige—or perhaps an exponential relation would better suit the data. The only possible remaining explanation is that the budget directors mistook the decimal point in the Buildings and Grounds annual allowance figure for a sesame

seed, thereby increasing their allowance 100 fold. This theory would certainly explain the recent B&G policy to abandon its lawnmower brigade and simply bulldoze all tall grass, reseeding the barren ground with rye.

Of course, no administration is an island unto itself, and accordingly our administration has born the burden of dictating ethics to the students, be it concerning alcohol, drugs, sex, or the method by which one drives to work. If I had wanted such an effect on my collegiate education, I certainly would have jumped on my scholarship to Bob Jones University. On the other hand, I being both male and Caucasian-am lucky to have applied to Caltech at a time when *all* applicants were considered equal, without prejudice towards sex or race. For the meantime the Caltech community as a whole should feel lucky that the Caucasian males not admitted to the freshman class this year are unprotected by the Honor Code, lest they BOC the freshman class, claiming unfair advantage under the current admission system. Facts are facts: the admission policy reeks of prejudice.

But all things considered, Caltech is a hell of a place. Sincerely,

-Rus May
Dabney House

The Fat Guy and the Other One

by Varoujan Gorjian

Back to the Future: Part II is the movie to see and it goes where very few sequels have gone before. Instead of thinly rehashing the original, this movie continues the story in the tradition of the *Star Wars* and *Godfather* movies. Part 2 lacks some of the charm of the original but that is due mostly to the fact that the first depended on the nostalgia that went along with the fifties scene but that could not be repeated in this one because it would have slowed down the movie, and boy does this movie move. Part 2 makes up for any differences with the first by its fast pace and a complicated plot which gets more and more complicated as the movie progresses. Every time you think it's over, you can't be sure it isn't. The laughs keep coming quickly and so does the action.

Seeing the first movie before you see the sequel is essential because a lot of the jokes have to do with events that occurred in the first one, and this is where the movie makers' care and attention becomes evident, as many of the original sequences are meticulously recreated and shown from a different point of view. It is almost impossible to differentiate the recreated scenes from the original ones. A great deal of care also went into the making of the future se-

quencies and one would have to see the movie several times to catch all the details, like the Jaws videos in the antique shop, the LED displays on the police officers hats, the MATTEL logo on the little girl's hover board, and Michael Jackson, the eminent vegetarian, giving recipes which have pork and beef in them.

As far as special effects go, this movie definitely breaks new ground. There are scenes where Michael J. Fox plays three roles in the same scene and they all match flawlessly as he pours his other self a drink

by Shane Sauby

"It's your kids Marty! Something has to be done about your kids!" This is where *Back to the Future* ended, and where *Back to the Future Part II* begins its rollercoaster ride through the time continuum. Hold onto your seats because Marty McFly and Doctor Emmett Brown are back in a sequel more convoluted and contorted than the original.

This is the basic idea: Marty and the Doc go into the future, the year 2015 to be exact, to prevent Marty's family from self-destructing. While in the future, Biff, now an extremely old ugly dude, steals the time hopping Delorean and changes history...Now the fun begins. This is only the beginning of a time escapade that will lead both Marty and Doc back to 1955 and into scenes from the first film.

I will point out the movie's three flaws. First, it actually helps to be intelligent when you watch this film. Not a genius, but smart enough to keep track of everything rushing by and still enjoy the movie. For most of you attending school here, I don't think that will be a problem.

Second, some people are not going to like the end. I loved it...basically because I was planning on seeing *Back to the Future III* anyway. And finally, Biff tells Biff that UCLA will beat USC in the garage, but when the news broadcasts announce the scores, UCLA beat Washington. (Confused? Good!)

I mentioned the last because someone in the editing room is having a nervous breakdown making sure the continuity of this film is flawless. He did an amazing job. Marty and Doc slip through 2015, an alternate 1985, and the 1955 of the first film like they were on a Sunday stroll. Everything just "Clicks!"

What did I like about this film? I have a list, but I'll keep it basic. Michael J. Fox does an excellent job playing four roles, especially as his future daughter. (Two people I went with didn't realize this until I told them after the movie.) Also, Christopher Lloyd is still as whacko and inventive as ever, making Doc Brown a believable character. The rest of the performances given are excellent, with most of the old supporting cast returning to their previous roles.

Then there is the technical aspect of the movie. I'll spell it out for you: I.L.M. *Back to the Future II* is on a par with *Roger Rabbit* when it comes to special effects. I only noticed one real flaw the first time I saw it, and didn't notice any more the second time. (Yes, I saw it twice on opening day!) There are so many special effects you almost don't notice them they keep coming so fast. But that speed, the sheer number of them, actually adds to the reality of the film, letting you assume that cars taking off from an exit/entrance ramp is commonplace.

The rest of the movie is great, except maybe for the gratuitous brand names flashed throughout the movie. Some of these are bearable though, especially the Nike shoes which are self-fitting. I want a pair! So my suggestion is simple: Go see it! If you haven't seen the first one, or are a little slow on remembering everything you saw, rent it before going to see *Back to the Future II*. It is probably the most entertaining movie out. FOUR STARS.

Stuff To Do

by Gavin Claypool

Need a break from trolling this weekend? You won't have to go far to find a world of song, poetry, and...juggling. The Caltech Glee Clubs, Troupe America, and the Flying Karamazov Brothers are coming to town.

The annual holiday show of the Caltech Glee Clubs will be presented twice, Friday and Saturday nights at 8 p.m., in Dabney Lounge. The combined Men's and Women's Glee Clubs will perform the complete Christmas portion of Handel's "Messiah," under the direction of Donald Caldwell. The Women's Glee Club, directed by Monica Hubbard, will present a medley of holiday favorites entitled "Rejoice and Be Merry." Admission is \$7.00 (students \$5.00).

Dylan Thomas's classic tale, "A Child's Christmas in Wales," is the story of one Christmas day from its quiet, magical beginnings to its eventual end as the child (Dylan) creeps up to bed. The Troupe America production will be presented

Saturday at 8 p.m. in Beckman Auditorium. A musical play set in South Wales in the early 1920s, it will feature familiar carols, some set to new lyrics, and some sung partially in Welsh. Tickets are \$25, 22.50, 20 (2\$ off if under 18 years). Student and senior rush tickets are \$7 starting 30 minutes before performance.

In the late Seventies, the Flying Karamazov Brothers were a hit when they appeared as the intermission entertainment for a number of science-fiction convention costume competitions. Since then, they've been seen in the film *The Jewel on the Nile*, on the Broadway stage, and in theaters across the world (including Beckman). Sunday afternoon at 3:30 p.m. they return to Beckman in their all-new show, "Club." Come see why, as philosopher Dmitri puts it, "Juggling is a metaphor for the universe." Tickets are \$25, 22.50, 20 (2\$ off if under 18 years). Student and senior rush tickets are \$7 starting 30 minutes before performance.

Now on to upcoming movies. Although many scripts have come and gone, *Alien III* is still on the boards, though it keeps changing directors almost as fast as scripts. The person slated to direct now is Renny Harlin, who directed *A Nightmare on Elm Street Part 4*. Arnold Schwarzenegger is being offered several sequels to his hits, including *Twins II*, *Commando II*, *Predator II*, *Terminator II*, and *Conan III*. It appears that Universal is offering him everything from writing to producing to directing to get him to do *Conan III*. As far as *Terminator II* is concerned, Schwarzenegger seems a little reluctant to do a sequel, though a script is in the works by Dark Knight author Frank Miller, whose *Robocop II* script is now filming. *Predator II*, on the other hand, is on the go with Stephen Hopkins set to direct, a veteran of the *Nightmare on Elm Street* movies. The working title is *Predator II: Body Count*, though I think *Predators* would have been funnier.

The *Watchmen* movie is on hold due to its enormous projected cost. Believe it or not, Disney is working on a sequel to *Mary Poppins*, and has gotten the original writer, P.L. Travers, to work on a script. And now some possible titles to *Bill and Ted's Excellent Adventure II: Bill and Ted's Triumphant Adventure* and *Bill and Ted's Bogus Adventure*.

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Another, More Dramatic Phantom

by Gavin Claypool

It's a shame that Ken Hill's version of "The Phantom of the Opera" has to come to Los Angeles under the enormous shadow cast by the Andrew Lloyd Webber version at the Ahmanson.

There is the obvious confusion, of course, among the majority of the public who are not aware of the two versions, their historical connection, and their theatrical differences. Some may think it's a quick ripoff of the Lloyd Webber. (It's not.) Others, who plan to see—or have seen—the Ahmanson "Phantom" because it's the "in" show, won't consider the Hill since it doesn't have the same status.

But works deserve to be seen—and judged—on their own merits. Hill's "Phantom," playing just six days at the Wiltern Theatre—Nov. 28 through Dec. 3—won't give Techers much of a chance for either.

Hill's first version of "The Phantom of the Opera" was pro-

duced to follow the successful stage version of "Dracula" (remember when the Count was the rage?) at the Lancaster Repertory Theatre in 1976. Hill went back to the original novel by Gaston Leroux, in his words, "a great tale of romance and chills, a myth." He also saw how he could add to the thrills the laughter that the company insisted on. Suppose, he suggests, "you were a pompous little Theatre Manager with the vexing task of running a respectable Opera Company with some lunatic hiding in the building...."

In 1984, Hill revised "Phantom" for London, removing songs written by the author and Ian Armit, and substituting music from well-known opera by Verdi, Mozart, Offenbach, and others (and his own banal lyrics). It was during its run at the Theatre Royal that Hill was approached by Andrew Lloyd Webber and Cameron Mackintosh about a further production in the West End. But a few months later, after Hill had begun alterations suggested by the pair, he was informed that

Lloyd Webber had decided to proceed with his own version.

Theatrically, they are quite different. Lloyd Webber's is a full-blown opera, with magnificent costumes, elaborate and expensive sets, a full score sung in operatic style, and a modern tragedy (that is, all the major characters aren't dead by the end, as in *Tosca*). The Wiltern production is a play, dramatic with comedic elements, and with occasional musical interludes. The numerous sets (16 changes) are more routine, although the dressing room mirror, rooftop statue, and gigantic boiler are quite striking.

The comedy is strong in the first act, more subdued in the second. I enjoyed the second act more than the first, for that reason. The tragedy of the Phantom, a human warped physically and then psychically, is one that touches deeply. A outright satire might be able to contain the comedy. Here the brush was often too broad. The business about the chandelier, though, was clever.

As the target of the Phan-

tom's desires, Rebecca Baxter is an entrancing Christine. Her voice, particularly in "Somewhere Above the Sun Shines Bright" (music by Verdi) was melodious and strong. Steve Blanchard in the title role appears fleetingly early on (as a good ghost should), but takes over center stage as the play approaches its climax. His displays of merciless frenzy and loving tenderness are convincing.

John-Charles Kelly is sufficiently put out as the new manager Rémy with all the goings-on. Robert Jensen had just recently taken over as Raoul, Christine's secret love, but seems at home in the role. William Linton as a very British Richard, the unexpected hero, comports himself with dignity.

Remaining performances: Friday at 8 p.m., Saturday at 2 p.m. and 8 p.m., Sunday at 2 p.m. and 7:30 p.m. Tickets are \$35. 32. 26 (Sat. matinee and Sun. evening \$30. 27. 23) at Ticketmaster outlets and the Wiltern Theatre Box Office (corner of Wilshire and Western Ave.).

The Inside World

This Week's *Inside World* was written by:

Blacker: Walker Aumann

Dabney: David A. Edwards

Lloyd: Ari Kaplan and Aaron Lipman

Ricketts: Joe Dadek, Dave Long, Stu Wagner, Leopold Travis

Page: Ali Mortazavi

Blacker	1 2 1 4 2 1 5 3 2 4 2 5
Dabney	2 3 2 6 4 3 4 7 4 3 3 8
Fleming	0 0 3 2 0 5 0 4 6 0 20
Lloyd	3 0 0 7 0 6 0 5 1 5 27
Page	0 1 0 1 0 0 6 1 5 1 15
Ruddock	0 4 0 8 5 2 1 6 7 0 33
Ricketts	0 0 0 5 3 4 3 2 3 2 22

Blacker

As we come to the end of yet another term, we look fondly back on the events that have led up to this point. Seniors, however, look forward to the time they will be freed and never have to return (196 days). Meanwhile, the rest of us look forward to the time when the library will not smell like beer anymore.

Interhouse has come and gone again, and people still show up for the second showing of the play. Most people aren't able to understand the first showing, yet they still laugh during the second one when we are too drunk to understand it ourselves. Things went off without too many problems, except for one broken window and an eleven-foot tall rabid Texan gerbil viciously as-

continued on page 7

Alabama at Auburn	Syracuse vs Louisville	Georgia at Georgia Tech	Florida St at Florida	Texas at Texas A&M	Michigan vs USC	Colorado vs Notre Dame	Miami vs SEC Champ	Nebraska vs Florida St	Illinois vs Florida St	Michigan St at Hawaii
Scott Kister (68-20)	Alabama	Syracuse	Georgia	Florida St	Texas A&M	Michigan	Notre Dame	Miami	Florida St	Illinois
Mark Lytle (61-27)	Auburn	Syracuse	Georgia	Florida	Texas A&M	Michigan	Colorado	Miami	Nebraska	Virginia
Paul Socolow (62-26)	Auburn	Syracuse	Georgia	Florida St	Texas A&M	Michigan	Notre Dame	Miami	Florida St	Michigan St

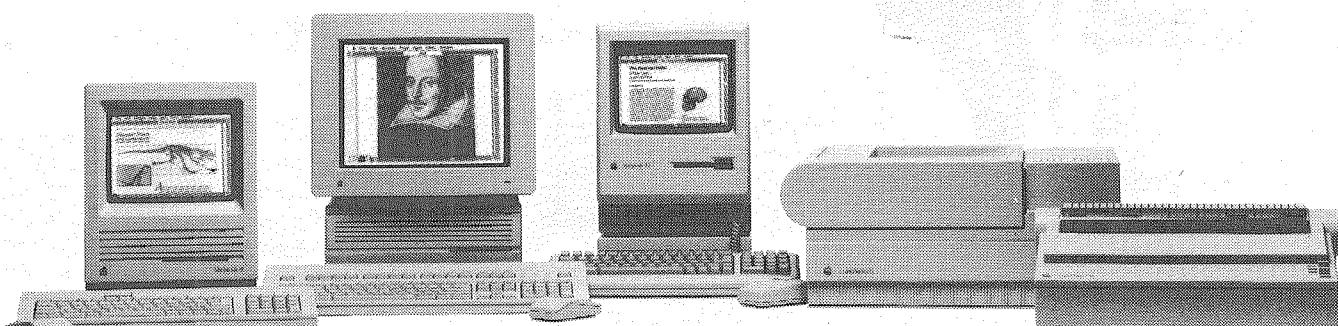
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The Inside World

saulting the Hovse Lumberjack (no, this isn't an early start on nominations, although it could be...). To insure the safety of the remaining members of Blacker Hovse, it was decided that the gerbil should be sent away. At least we didn't have to have a short house meeting to decide this.

I'd like to take this time to point out that no one has ever been killed as a direct result of my driving. Also, Hoyt's car has no problems doing over 90 on the 210. Cops are wimps. If you don't know why Mike Ricci's car is called the beast, you've never driven it. If you are going to get a parking ticket, park on someone's lawn - it's \$10 cheaper. No one has a portable lifeboat. I didn't want to play miniature golf, anyways.

After six years of being RA's for Blacker Hovse, there's no way John and Lynn could ever set off fire alarms throughout the south complex while cooking Thanksgiving dinner. Inconceivable. However, cleaning up afterwards is an entirely different matter.

The frosh are finding new and exciting ways to amuse themselves when the upperclassmen are too busy to care for them properly. Their newest game is called musical frosh, and this is how it goes:

- 1) Make a huge list of things you don't like about your roommate.
- 2) Show your list to all the Hell frosh.
- 3) Convince a Hell frosh that he/she wants to give up his/her single and room with you while your roommate gets their room in exchange.
- 4) Wait until the rest of the house is watching movies.
- 5) Help move your old roommate's stuff to Hell and move your new roommate's stuff out of Hell.
- 6) Tell the secretary what happened.
- 7) Repeat as desired.

We interrupt this inside world to correct a mistake made early. We reported that the Hovse Lumberjack was attacked by a Texan gerbil. We were mistaken. Actually, he tripped, fell onto the catapult, and was flung through a window into the library. We apologize for the mistake.

The Black Hand has completed his task of cleansing the Church and Hovse of Blacker (tboai) once again. Most of the frosh have returned intact. Well, there was the one found at the base of Millikan Library, but the Master declined to comment on that one. Again, peace will reign in Blacker. That is, until next term. Coming to an alley near you: the Shitkickers of Antioch. And you thought the Hand was bad, frosh.

It's not Christmas yet, dammit. There is NO NEED to put up decorations before December. It's bad enough that Lake was done up before Thanksgiving. Rudolph the Red-Nosed Dragon? Bah humbug, dammit.

Anyone caught stealing the View section before everyone has had a chance to read Calvin and Hobbes will be drawn, quartered, beaten, killed, and elected Hovse President. No more Mr. Nice Hovse.

T-shirt designs must be submitted before you graduate. Orders will be taken sometime during grad school.

Those of you who miss winter can simulate the experience by running around outdoors at night wearing a t-shirt and shorts, trying to

The Inside World

catch malathion flakes on the tip of your tongue.

Two Hundred Days has come and gone. In fact, it was only about 22.5 hours long, and the library will never be the same. When you have guys, beer, and a TV together on a Monday night during football season, don't try to interrupt them - things just get ugly. It's called "male bonding." Congratulations, Christina, for being able to keep up with Vi. We all knew you could.

To Alex's mom: Thanks for the cookies. Your son will be spared. *-me, myself, and I*

Dabney

Gee, it's good to take a week off and get all of your priorities in perspective. Besides, it gives me twice as much material about which to write this week. Everyone here in good old Dabney House had a nice Thanksgiving. Dirk did all his Christmas shopping for his bondage friends in Tijuana this weekend. It's amazing that the customs officer let all those whips and chains go through - perhaps it's because she left Dirk her business card and phone number. The rest of the men cleaned out Tijuana of nude playing cards and butterfly knives (now they can threaten all their professors who won't give them good grades), and Amy cleared the bizarre bazaars out of everything else. I bet the folks at home will sure enjoy putting that sculpture of that sleeping Mexican with the sombrero on the front lawn in New Jersey. Boy, won't it fit in with the rest of the decor? Diana lost purity point #96 (yeah, right, sure it's platonic). Then how come you're getting an A? Maybe the only person who didn't have a good time was Dave Flowers. But that's what you get for living in a public place.

Thank God for real men like Jon McGill. If it weren't for real animal-haters like him, 317 would be overrun with mice. That's right, Jon, beat the shit out of any mice you see with a frying pan. Just make sure it's non-stick. Now, if someone could only get the weevils out of BC's pizza dough. Yes, boys and girls, honest-to-God weevils were discovered in BC's pizza just two weeks ago. Think about that tonight. Jon's rodent-killing abilities obviously impressed one young lady enough to get something going - or one date, anyway. You're already a member, Jon, but it'll still cost you an extra \$12.50.

The sleeping porch is a place for musical merriment and mirth this holiday season. At sunset you can catch the Swagato Banerjee Show, with the world-renowned performer singing your favorites from the Indian Top Forty. Then after dark catch Stephen, Jon, and Jill singing Peter, Paul, and Mary. The fun just never stops - until Jon L. does a solo.

With the end of first term, the freshmen have finally begun to be normalized. Swagato isn't as pesky as he used to be. Gaby hasn't threatened me with a foil for weeks.

I went to the laundry the other day, saw the Fru, and he didn't say one word to me or anybody else. (But is he leaving the women alone?) Even Brad is beginning to mellow out.

The Holiday (dammit, you don't have to be Jewish to be offended by the word Christmas) Party is this

The Inside World

Sunday. Let's all see how much damage we can do to Riki's and Harry's livers. Don't miss the fun of the holiday gift exchange and of course the annual special awards. It's your last Dabney social event if you're flaming, so be sure and join the fun.

Warning, people who are staying here over winter recess: if you see three scurilous-looking people roaming about the house, matching the following descriptions:

Asian woman, 5' 2", long straight dark hair, annoying laugh, bubbly personality, no shoes

Caucasian man, 5' 7", looks like Nick Biery with fake muscles, probably dripping wet, no shoes

Indian man, 5' 8", can be smelled from a distance of fifty feet, will automatically contradict you no matter what you say, stomach bulging as if nine months pregnant

DO NOT DELAY! Call Security and have them taken away for trespassing before they become your (and my) next-door neighbors!

Dabney House questions just screaming for answers: Exactly what does your condition have to be before the Health Advocate administers first aid on the spot, rather than telling you to "come back later"? Do you have to be bleeding to death, for God's sake? Why does Bo have so many drop cards? Hasn't anyone told him that you don't need one for every class? Or was he planning to drop them off the roof during the Drop Day Party? Why does Jon H. stay up until six in the morning with strange women who aren't his usual Rickets babes? The name begins with "G", does it? Is it Gertrude or Gretchen or Gregor? No, that's Brad. What did Brad do for the Gregor Presbyterian Women that they sent him a Thanksgiving Day card? Leave them alone? Who's the new girl that's been calling Tracy Fu on the telephone? Can Charles and Riki really churn butter doing their normal daily activities?

Reading through the outgoing mail (as I always do), I came upon some letters and have compiled the following:

Dabney House Christmas Wish List for Santa Claus

Elaine: Mike to be able to live on campus.

Stephen H.: Jill S.

Yair: A band-aid.

Reneau: A completed dissertation.

Jon H.: More hair and "finer" GRE scores.

Alan L.: A one-hundred piece orchestra.

David E.: A bigger room and a pair of binoculars.

Rus: To escape from this hellhole (at least he'll actually get his wish). Congratulations.

Steve A.: Blue hair dye.

Ivar: Good health.

Richard B.: To learn how to juggle and some testosterone.

Jon L.: A Macintosh in his room and voice lessons.

Chris O.: A wristwatch.

Rob H.: A replacement.

Dirk: A dog collar built for two.

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The Inside World

Hannes (John is a definite no-no), Doug, etc... are all doing as usual (is John passing?) Sirak is too busy studying, Daphne got a new boyfriend, Yuri likes it so-so, etc... Celeste is partying all the time at UCSB; question of the day: why does she want to come visit Tech and Page? (do note that I don't mind at all.) Both Kong brothers are doing fine, idem for the Nanda twins (Sonia saw snow fall for the first time in her life-how touching...), although only Sonia will be the only one to come back from Northampton for Christmas. I saw Eileen on Sat.: everything is fine on her side: the beautiful people are doing fine. Steph stayed at Oberlin, where she has succumbed to her passion for cello. Homefront: Big news of the quarter-Rudy (WHO?) has pierced an ear and has been seen lately in the company of Jesus, when not studying at PCC. Jack has become a serious student (no, no, it can't be that bad...) He also got a new Acura (why don't I get that kind of stuff?) As for you humble student, I came back from home: 4 weeks of fun and nostalgia. One of my best friends is comingthe Blair (much better than Marshall, Schon) 88-89 AD and or MUN bands will have their Magic Mountain/Dneyland and New Year's day field trips. Roshko sucks (she lies too.) Will I pass all my classes? I don't know (Organic Chem is Black Magic.) And believe it or not, I have not been drunk for weeks! Anyway, we all start getting together on the 14th. Keep in touch.

Oh, Pete, Ken, and Ed(if you're there): Battletech after the finals. When is Decompression?

-Barefoot Pasadena Boy

Ricketts

0. (The machine was out, but I had 6 donette gems and some cookies to make up for it.)

Well, wasn't Interhouse fun? I spent most of it relaxing in front of the horror movies, but I'm told the real entertainment was the entry gates. There were more high school students waiting outside the gates than undergrad and grads combined. The situation really taxed the creativity of the local youths. What precisely is microphysics, anyway? (Far too much.) Other highlights of Interhouse included the return of Sonnenborn, the genesis of Club Ricketts, and studying in the library with Ina's microscope.

On the subject of the high schoolers, the answer to last times question is N, where N is RFB (Really Big).

This week we are introducing a new feature, Guest Columnist. This week's section is brought to you by your plastic pal who's fun to be with, Leopold Travis, a.k.a. The Dependable Source of Corruption, a.k.a. Elvis, A Pot Lord:

First, let me take care of a few misconceptions:

1. I have no sex slaves.
2. I know 100 digits of pi, and this has never made Beth weep.
3. I am looking for people to play AD&D with me.
4. I am 100% corruption-proof.

That taken care of, let me now state that I think that the purity test, as it stands, is quite silly (which is why I've never taken it). Therefore, I'll now define a new purity score as

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The Inside World

follows: Your purity score is the rational number $N/S!$, where N is the number of digits of π you know, and S is the number of times you've had sex (following the convention that $0! = 1$, of course).

Now let's take care of a burning philosophical issue. Q: Was math invented or discovered? A: Yes.

A warning: So long as the Ring exists, the foundations of the Dark Tower can never be destroyed.

And finally, a quote from this evil dictator who was in a dream I once had: "So you've managed to deflect one thermonuclear blast, have you? Well let's see how you do against my entire 10,000 megaton arsenal!!!"

And now, back to our regularly scheduled RHIS:

See, isn't a new perspective refreshing? Next term, another look from another point of view.

Well, the administration just gets more lame each week. Does it make sense to ask the Seniors who they want to speak at graduation if you're just going to ignore them? Does it make sense to drag the faculty into the deliberations if you're going to ignore them too? (Equal consideration, I guess.) Dr. Tom seems to have such a high opinion of us all. Also, that guy in the MOSH's office: Louis Wilde or E.T. Skippy Wilde?

I hope everyone had a good Thanksgiving break. I certainly had a nice time avoiding all of the work I should have been doing. Virginia City: The Williamsburg of the West or just another sorry tourist trap?

Feature this week only: Frosh Personality Profile. Class I: Frosh with Confirmed Personalities. Leah, Amit, Wally, Stu, Stubar, Q, and the Snatch Frosh minus Tom. Class II: Frosh We Strongly Suspect of Having Personalities, But Can't Tell Because They're Never Around. Tom, Mike, Debica, Tristy, Chad, Jennifer, Julian, Ina, and Andreja.

Class III: The Jury's Still Out. Eric, Beth, Sean, Danny, the alphabet dude, and Luca. Everyone should be in Class I by the end of second term, so those of you in the other two should get out and meet someone else in the house for a change.

Returning to Ricketts after a mysterious two year absence is Rob Coker, power foilist. Seen roaming around Snatch lately, he seems to be spending a lot of time with Jn. (Notice that the two women in Snatch have J and N in their names. We will henceforth refer to them as Jn and Jnn.) He does seem to have learned something since the last time he stayed around Ricketts, since he no longer has Joe chaperoning until 3 a.m. Maybe this time he can get some sleep.

(Blank) of the Week: Frosh, Dan Dilling, Purest Frosh (Uranium); Couple, Ben & Brent, Art Fags or the other kind?; Question, How many fruitcakes circulate around the U.S. every Christmas? Rude/Slander Spitoon: What was Ina doing sleeping at Scott's over Thanksgiving? Julian was too.

Rude/Slander Spitoon: What was Ina doing sleeping at Scott's over Thanksgiving? Julian was too.

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The Inside World

Malathion, the secret ingredient in B.C. food. You don't see any Med flies eating the stuff, do you? Mark's mold has been measured, it's only three inches deep. Perhaps he should become a social Mole. Statuary rape, anyone? Rich sez: Moles should try burning their own house down more often. (Maybe they could get a certain corner of Crud while they're at it.) Debi has been observed making someone purr recently. Is Rich jealous? Gonzo hates blondes, but then what's he doing in the company of one as we write? What will Kurth think? Stu finds out that you can't outrun the long arm (fast tires) of the law. Gonzo seen taking advice on women from Joe after his attempt to gain a private screening of Physics was rebuffed. The Kitt-cat is still in a box, but the box is on Dweaver's lap and in the back of Bernie's car. Uncertainty may live. Erik Russell: The reincarnation of Sam Southard? Los's secret desire revealed: He wants to be a Bangle. There are medical methods for taking care of this.

College is like a woman: You spend so much time trying to get in, then nine months later you wish you'd never come. (This quote brought to you by the He-Man Woman Haters Club.)

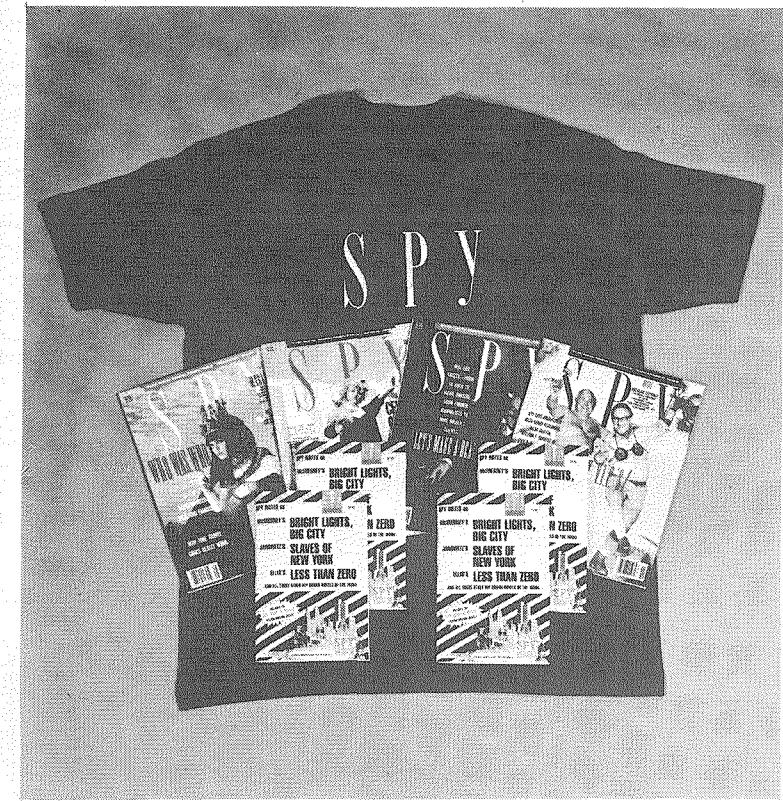
The Physics Messiah, Dave, the Frosh, and the Teardrop Collector

Spy Contest

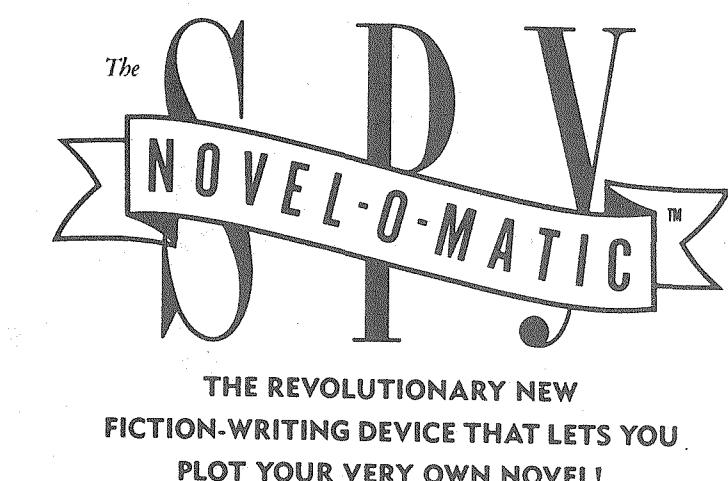
Seeing how all you squeebs can't write for shit, we editors have decided to help you out.

If you can pull a card and copy what you read (provided you get away from your terminal long enough!), you can win the SPY magazine Novel-O-Matic contest.

Either come by the Tech office when we're around, or buy a copy of the infinitely useful SPY NOTES for yourself, then compose a story with the Novel-O-



Here's what the guy who wins will get.



Matic and send it to us.

The winner will receive a 2-year subscription to SPY, and a SPY t-shirt. You don't even have to compete against real people, just other techers. So, stop being so sexist and do something constructive for a change!

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BEAUTIFUL HOME for lease 10 minutes from Caltech. 4 bedrooms, 2½ bath, large kitchen, living room, den, view, fireplace, large double attached garage, intercom, forced air heating. \$1500. (818) 794-0455.

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Football

from page 12

be finished on time? Would Blacker do anything worthwhile with their S&M theme? Would I have to make up all the homework? How many days before I graduate? Will I graduate? What's the weather like in Northampton lately? Am I the only one to have read Crime and Punishment while being under arrest in a police car? But already the last halftime of 1989 Beaver football was well under way.

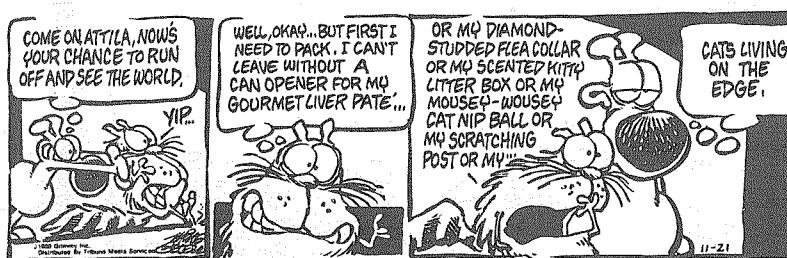
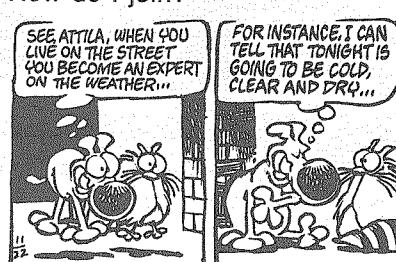
Absolutely nothing memorable about third quarter. Both teams fumbled often and got heavily penalized several times. What set the two teams apart was the two extra interceptions thrown by the Police QB. However there was a paid (?) announcement in the middle of the quarter: "If you need to transport an e, then Harry Gray is your man: from 10A. to 10,000 miles, it's no problem; contact Electron Transfer, Inc." I think that was for You, frosh...

Fourth quarter was fast and impressive (even for the sophisticated/blase Beaver fan). The suddenly unstoppable

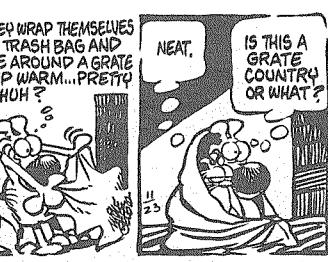
trio Stone, Berg, and Nakasone scored a fourth TD with 12:34 left in the season. Following the extra point (27-0) and a fruitless possession, Dwight became quarterback for the last time of his college career.

Not all went well at first: after an interception, the Pasadena police managed its best drive of the game, but miraculously fumbled the ball in the Beaver endzone. With 12 seconds left, Dwight threw a 80 yard pass to Nakasone for a final TD. It was a moving time for all when the last extra point marked (ya, right..) effectively the end of the season.

Personally I couldn't care less, except that our school's athletic pride is nowadays best embodied by our football team. How do I join?



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Thursday, December 7
Friday, December 8

HOURS:

9 a.m. - 4 p.m.

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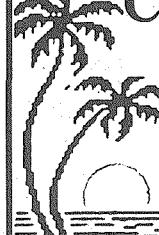
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what goes on

Submit announcements for *What Goes On* forms available outside the Tech office (SAC room 40A) and in the copy/mail room (SAC room 37), or use a plain piece of paper. Send announcements to 40-58, or put them in the IN box outside the Tech office. Indicate the date(s) the announcement must run. Announcements for the current issue must be received by 5 pm Tuesday and should be shorter than 75 words. Announcements will be published as space becomes available and will be chosen according to size and interest to the Caltech community. Announcements for commercial events unrelated to Caltech will not be published.

History Film Series

Every Monday evening at 7:30 pm in Baxter Lecture Hall, there will be a free film shown as part of the History Film Series. These films are open to all members of the Caltech community.

The December 4th film is *Padre, Padrone* (Italy, 1977). A modern masterpiece, *Padre, Padrone* is based on a true story of a shepherd who had lived in almost total isolation in the hills of Sardinia until he turned 20, and went on to become a professor of linguistics.

Play Bridge

Play bridge at the Caltech Bridge Club this Monday. We meet every Monday at 7:00 pm at the Red Door Cafe on the second floor of Winnett Student Center. No card fee, no membership fee, no partner needed. Undergrads, grads, faculty, etc. welcome.

Soccer, Anyone?

GSC Soccer is starting again this year. If you are interested in joining a team or forming your own team, please contact the Athletic Director, Dan Bridges, at x6146. Play will be in two divisions: A League, for advanced players, and B League for beginner-intermediates.

Mechanical Universe

Watch *The Mechanical Universe* every Tuesday from 10 pm to midnight and every Thursday from 9 pm to midnight at the Y Lounge, upstairs in Winnett. Freshmen, upperclassmen, grads and faculty are welcome. Refreshments will be provided.

Fishing For Ideas

The Fishline, a newsletter serving all Christians of the Caltech community, needs material! If you have any ideas, upcoming events, or articles that you would like to share, please submit them (Mac format, if possible) to *The Fishline*, 126-58. Also welcome are announcements by neighborhood churches, Christian groups and clubs, as well as mailing list additions. Contact Mike Nassir (578-9833) for more information.

Second Term Mini-Lottery

Deadline to enter the 2nd term room mini-lottery is Wednesday, January 3. The mini-lottery will be on Friday, January 5 at 11:30 am at the MOSH's office.

Live Or Die—Your Choice

Caltech-JPL scientist Dr. Donald Crisp will speak on the topic of "The Greenhouse Effect—Energy Choices and You" on Saturday, December 9 as part of a program at the Eagle Rock United Church, 5080 Maywood Ave. (at Colorado). The program, entitled "The Heat Is On," is presented by the Eagle Rock Committee for Survival, and also includes Joan Bokera of Global Walk for a Liveable World and other programming about world peace and global environment. The program lasts from 12:30-5:00 pm. Call (213) 257-9377 or (213) 223-0043 for further information.

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Let The Games Begin

Every Friday night, the Caltech Gamers meet to enjoy role-playing and board games. Friday meetings are in Winnett Clubroom 1 at 8:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to play to share whatever games you like.

Chemistry Course

Ch 241a, Topics in Advanced Organic Chemistry. 6 units (2-0-4); second term; Prerequisite: Ch 41abc (Ch 144ab recommended, but not required). FT-NMR basics and applications, with emphasis on those techniques used in structural analysis, including decoupling, NOSEY and COSY. Extensive practice in the use of these techniques will be available with the highly interactive Chapman-Russell FT NMR Problems program which features on-screen spectra at a variety of magnetic fields, with, and without, decoupling, and so on. The practical use of NMR to determine reaction rates, as of conformational equilibration, will be described, as also will be applications of NMR to imaging and spectroscopy of living systems. Instructor: Roberts. Texts: H. Duddock, W. Dietrich: *Structure Elucidation by Modern NMR*, J.D. Roberts, *Notes on FT-NMR*. Time: 11:00 am TTH, 151 Crellin.

Putnam Exams

The William Lowell Putnam Mathematical Competition will be held this year on Saturday, December 2. Please sign up quickly, in Sloan, if you wish to take it. As usual, we hope many participants will enjoy a day of math problems and donuts.

Interested in Sailing?

You too can use the Caltech sailboats. Find out how by joining the Caltech Sailing Club. Contact Axel or Martin at (818) 568-9168. Open to students, faculty and staff.

SSSP Tutors Needed

We will be needing tutors for our Summer Secondary School Science Program, that begins June 25th and goes through August 9th, 1990. The hours are from 9:00 am to 3:30 pm, Monday through Thursday. We will need: 4 tutors each teaching Molecular Biology, Chemistry, Physics/Trig and Physics/Calculus. Our first preference is to have seniors, then juniors and last sophomores. Applicants may call x6207 or x6208, or come by Lee Browne's office at 107 Winnett Center.

Cyborgs, Replicants, and Cops

The Caltech Science Fiction Club will have another "Full Moon" Festival on Saturday, Dec. 2. It will begin at 8:00 pm in the Catalina III rec. room. Movies will include *The Terminator*, *Bladerunner*, and *RoboCop*. We'll try to get a letterboxed copy of *Bladerunner* if we can, but we may not be able to. So just come quietly, or there will be trouble.

Smile For The Camera

If you have pictures of Caltech and/or Caltech Y sponsored events, please come by the Y (2nd floor Winnett) ASAP! Negatives would also be appreciated.

Decompression is Back!!

All students and faculty are invited and encouraged to attend The Caltech Y's first-term Decompression. The event will take place on the evenings of Saturday and Sunday, December 2 and 3, 1989 from 8:00 to midnight in Winnett Lounge. The venue will include movies, chili, milk and punch, fresh fruit, sugar-fixes, bagels and cream cheese and plenty of bedlam.

Volunteers are needed to help with the preparation, serving and with cleaning up.

Come by the Y (second floor of Winnett) for more info, or just show up the nights of Decompression to help in this great event.

L.A. Philharmonic Tickets

The Caltech Y has tickets to the L.A. Philharmonics at \$5 apiece for the following dates: Dec. 1, Jan. 17 & 20, Feb. 4, Mar. 4, 10 & 15. Come by the Y for venue information.

Desperately Seeking Singers

Actually we're far from desperate. With 42 members presently singing, the Women's Glee Club is enjoying the most exciting year in its 18-year history. But we do have room for more undergraduate and graduate women who enjoy good music and good company. Our rehearsals are on Mondays from 7:30-9:30 pm and on Wednesdays from 5-6 pm. We will begin rehearsing on January 3 in SAC Rm. 1, preparing works by Monteverdi, Purcell, Brahms, Randall Thompson, and others, to be performed on campus, at two choral festivals, and on our spring tour up the California coast (Santa Barbara, San Luis Obispo, Carmel/Monterey and Santa Cruz). If you are interested in joining the Women's Glee Club, please call our Director, Monica Hubbard, at x6260 to arrange for an appointment before vacation. And if you haven't heard us yet, be sure to come to our December 1st or 2nd concert in Dabney Hall. In addition to the combined glee clubs' performance of "Messiah," the women will be presenting a suite of traditional holiday carols.

Sierra Club Meeting

The Sierra Club-Pasadena Group will be meeting on Wednesday, Dec. 6 in 153 Noyes Lab at 7:30 pm. This group, which meets on the first Wednesday of each month, is a division of the national Sierra Club. At the December meeting, Gordon Nunnally will give a presentation on the Pasadena Arroyo Seco. The meeting on January 3 will be a presentation by Betsy Reifsnyder of the Mono Lake Committee, a slide show on the "Mono Lake Ecosystem." All members of the Caltech community are welcome to attend, whether Sierra Club members or not.

Horse Power

The Caltech Non-Existent Equestrian Team will show part I of "The History of the Horse" (unless we get something else) on Monday, Dec. 4 from 12-1 pm in Rm. 19 Baxter. Bring your own lunch. We have horse videos every Monday on our big screen. If you have one you would like to show let us know. Questions, comments, etc., call Liz at x4515 or Victoria at x3828.

Free Holiday Concert Tickets

Enjoy a free concert ("Jolly Holidays") with the Hollywood Singers on Sunday, Dec. 3 at 4 pm at the Hollywood High School Auditorium. Come by The Caltech Y for free tickets—there are 20 available.

Room Heating

The hot water circulating system which supplies the heat for your room heater is now in operation. Please turn on your heater some time during the next week to be sure it is operating properly. If it is not working or if you have trouble turning it on, please call Paul APpel or Lorrie Mack in the Housing Office (356-6175). We would like to have all problems reported as soon as possible so they can be rectified to avoid cold evenings! Problems will be handled on a first-come, first-served basis.

Thank you for your cooperation and assistance!

The Holidays: Pleasure Or Pain

On Wednesday, December 6th from 12-1 pm in Noyes Rm. 147, Jim McGuire, L.C.S.W., Sally Alonzo-Bell, L.C.S.W., and Aimee Ellicott, Ph.D. will present an informal luncheon talk on "The Holiday Season...Pleasure or Pain?" Bring your lunch and learn some insights on how to deal with stress related to family, friends, loneliness and pressure of the holiday season. Co-sponsored by the Caltech-Prototypes Staff and Faculty Consultation Center and the Student Consultation Program.

Korean-American Students

The Korean-American Student Association meets on alternate Mondays at 8 pm in SAC Rm. 13 (Clubroom A). Our next meeting will be on Dec. 4. The second term meetings will begin on January 15, and follow every two weeks. All members, and those who want to be members, are encouraged to attend. As always, there will be free munchies. Please contact Dong-su Kim at x8309 if you have any questions.

Winter Ski Fest

Ski Masters present College Winter Fest '89 in Lake Tahoe. Trips are December 16-19 (\$129) or January 26-28 (\$99). Trips include skiing, lodging, transportation, discount rentals and lessons, and much more. For more information contact Ski Masters at (209) 466-0820 or (714) 661-9662 or stop by the Career Development Center, 08 Parsons-Gates, to look at their flyer.

German Film Series

There will be a showing of *Drei Wege Zum See* (1976) in Baxter Lecture Hall on December 6th at 7:30 pm. The film is shown in conjunction with Language 132. There will be an introduction and discussion after the showing. All are invited.

Poetry Contest

The American Poetry Association is conducting a poetry contest and specifically urging students to enter. The contest includes cash prizes, and has no entry fee. Entries are considered both for the contest and inclusion in a poetry anthology. Entries may consist of no more than six poems, each no more than 20 lines. The writer's name and address must be on each page. Send entries or inquiries to: American Poetry Association, Dept. CT-70, 250-A Potrero St., PO Box 1803, Santa Cruz, CA 95061. Entries must be postmarked by December 31, 1989.

Be In The Top Ten

Caltech juniors are invited to participate in *Glamour* magazine's 1990 Top Ten College Women Competition.

Glamour's prestigious competition honors college juniors of outstanding achievement. This year's winners will be selected from five distinctive categories: Creative Arts/Communications/Humanities, Science and Technology/Health, Politics/International Relations, Business and Economics/Entrepreneurship, and Public Service. Candidates will be judged on academic excellence, involvement in community or campus activities, and personal interests.

Ten winners will receive national recognition in *Glamour*'s October 1990 issue and in media across the country. Contact the Dean of Students Office for information. Deadline is February 1, 1990.

scholarships

Scholarship Listings

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. The office is located at 515 S. Wilson, 2nd floor.

The National Space Club is awarding a \$7500 scholarship for the academic year 90-91 in memory of Dr. Robert H. Goddard. The applicant must be a U.S. citizen, in at least the junior year with the intent of pursuing undergraduate or graduate studies in science or engineering. The deadline for application is January 5, 1990.

The Gloria Fecht Memorial Scholarship Fund is offering a scholarship of ranging from \$1500-2000 to a young woman attending a university in California or Arizona. Applicants must have an interest in golf and financial need. Applications must be mailed on or before March 1st.

The St. Andrew's Society of the State of New York is offering a scholarship to an outstanding senior undergraduate of Scottish descent whose permanent address lies within the boundaries of Pennsylvania, New Jersey, New York, and the New England states. This scholarship is also based on academic merit, leadership qualities, and financial need. The deadline is December 31, 1989.

The Coors Veterans' Memorial Scholarship Fund is offering scholarships ranging from \$2,000 to \$5,000. Applicants must be sons or daughters of Honorable Discharged Veterans, active military personnel, or American service personnel Killed in Action, Missing in Action, or Died in the Line of Duty. Applicants must also be under the age of 22 as of March 15, 1990, have completed a minimum of one semester of college with a minimum 3.0 cumulative GPA. Deadline is March 15, 1990.

CAFA, the Chinese-American Faculty Association, is providing several scholarships to undergraduate students of Chinese descent. Applicants must be taking 12 quarter units or 8 semester units with GPA of 3.5 or above and graduating after May 1990. Applicants will be selected on the basis of GPA and extra-curricular activities. Deadline is December 15, 1989.

The Society for the Advancement of Material and Process Engineering is offering numerous undergraduate scholarship awards. Engineering students with a minimum 3.3 cumulative GPA are eligible. Deadline is February 1, 1990.

The Sylvia W. Farny Scholarship has a grant of \$1,000 to be awarded to a student for the final year of undergraduate study. Applicants must be U.S. citizens and studying Mechanical Engineering. Deadline is February 15, 1990.

The American Society of Naval Engineers sponsors a scholarship program to encourage students to enter the field of naval engineering. Scholarship awards of \$2,000 each are available for the 1990-91 academic year. Undergraduates in their final one or two years and graduate students who have not received an advanced degree are eligible. Applicants must be U.S. citizens and demonstrate a genuine interest in naval engineering. Financial need is not required, but may be taken into consideration. Deadline is February 15, 1990.

The Arizona Honors Academy has an opportunity for undergraduates to discuss important world issues with writers, sovietologists, national security officers, historians, physicists, and arms negotiators at their summer session entitled "Seeking National Security in an Insecure World." Applicants must be undergraduate students who have completed 27 semester hours with a minimum cumulative GPA of 3.5. Deadline is February 15, 1990.

The Society of Women Engineers has 29 scholarships varying in amounts from \$1,000 to \$3,000 for 1990-91. There are different requirements for each scholarship. Undergraduate women majoring in Engineering are encouraged to apply. Deadline is February 1, 1990.

The Forum on Chemical Dependency has a scholarship to provide financial assistance to students pursuing degrees which will prepare them for work in the field of chemical dependency. Applicants must be California residents currently enrolled full time, and must have a number of units that does not directly convert to Tech units, so call the Financial Aid Office for more info. Deadline is January 1.

The Korean American Scholarship Foundation has seventeen \$1,000 scholarships available for full-time students of Korean American heritage. Applicants must be in at least their sophomore year. Deadline is January 31.

The California Angels have created the Jimmy Reese Scholarship Fund. Scholarships of \$1,000 each will be awarded to an applicant currently studying in the area of sports medicine. Residents of Orange, Riverside and San Bernardino counties who are currently enrolled and in good standing at either the undergraduate or graduate level are eligible to apply. Awards are based on academic achievement as well as commitment to enhancing the field of Sports Medicine. Deadline is March 15.

The National Federation of the Blind has eight scholarships available to legally blind persons in either undergraduate or graduate level. Each scholarship has different requirements, so interested students should contact the Financial Aid Office. Deadline is March 31.

The National Roofing Foundation is pleased to announce the availability of scholarship awards for 1990-91. Full-time undergraduate and graduate students enrolled in architecture, engineering or other curriculum related to the roofing industry are eligible to apply. Deadline is February 1, 1990.

Nuclear Training Scholarships

The National Academy for Nuclear Training Scholarship Program is offering \$2,000 scholarships for students who will be sophomores, juniors, and seniors during the 1990-91 school year. To be eligible, a student must be a U.S. citizen, enrolled full-time, and pursuing a bachelor's degree in nuclear engineering, power generation health physics, or a nuclear/power option in such disciplines as chemical engineering, electrical engineering, or mechanical engineering. The scholarships are given on a merit basis to students who have excellent academic records as well as demonstrated interest in and potential for a career in the nuclear utility industry. For more information, contact the Financial Aid Office at 515 S. Wilson. Completed applications are due January 15, 1990 and should be submitted to Dr. Noel Corngold, Mail Code 1218-95.

Leadership America

The International Leadership Center is seeking applicants for the fourth session of Leadership America, a summer program which will begin June 8 and conclude August 16. During that period, the students will attend sessions that take place at Duke University, Colorado Outward Bound, Southern Methodist University, and in Washington D.C. In addition, there is a four-week, self-selected internship in

SPORTS

Hoopsters Score Two Straight Victories

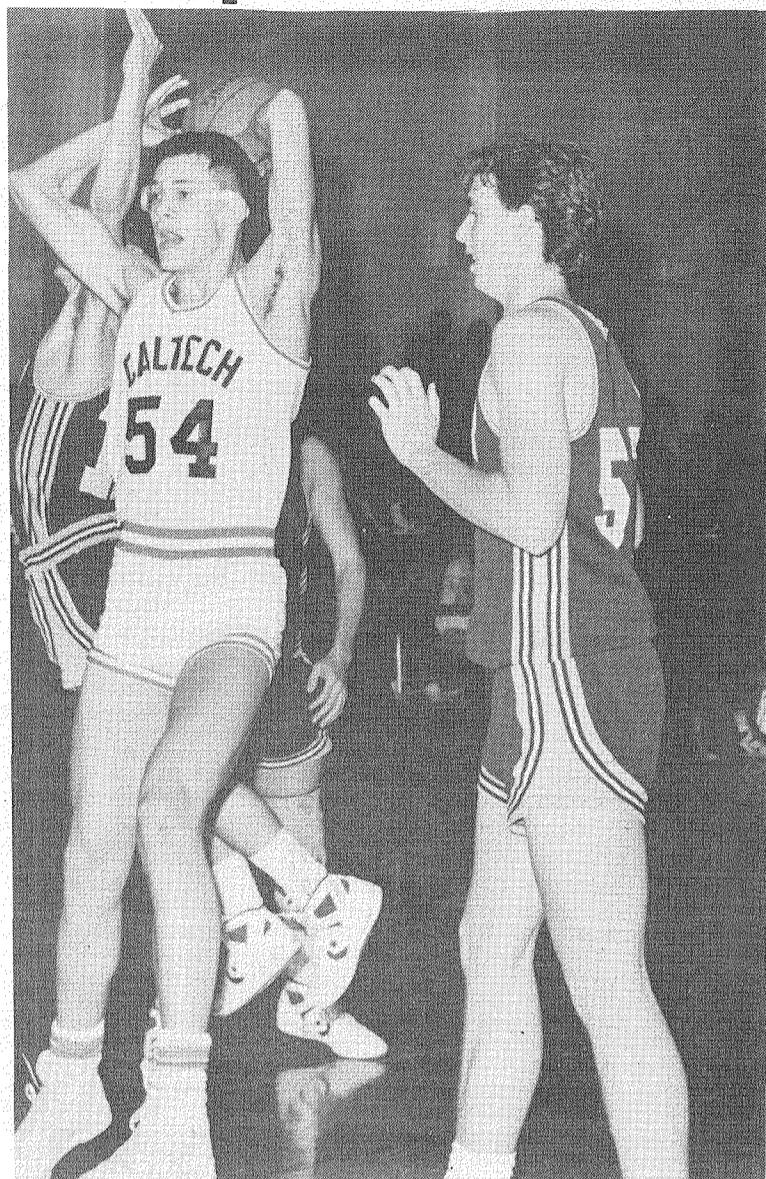


photo by Robert Paz

Bill plays aerial twister with an opponent, providing the halftime entertainment at a recent game.

Police Brutality

by Ali Mortazavi

And He saith: thou shalt not lose football games to kangaroos or policeman. Yes sportsfans, we once again beat those Pasadena cops soundly in the annual Toy Bowl.

Sure the 34-0 score goes a long way in erasing the humiliating defeat we suffered three weeks ago in Pomona, but it cannot change the ugly fact that our record is only 5-1-1 (this might be good enough for another "average" team, but not for our extraordinary Battlin' Beavers.) Thank God that the players played their best football in front of the Raiderettes.

Beaver Fever! After giving a toy to that sharp-looking Marine, I was shocked to see the huge crowd that had invaded Beaver Stadium (I don't give a damn is that's not its real name) on that Interhouse Saturday. Not only hundred of cheering fans as well as the Caltech Band showed up, but yes, so did the Raiderettes ... all three of them! They were quite fine indeed (just ask from those who radiated astronomical amounts of joy just for having their picture be taken with these girls) but I was definitely hoping for many, many more.

But to my delight, the Beaverettes more than made up for my lost expectations: they were simply fantastic, incredible, etc...and I am not saying all that just because I don't want to get into trouble with some people from the Housing Office that could make me suffer-I sincerely believe in all that I have just written. Let's not forget our Beaver mascot: she must have an enormous amount of school spirit to wear that "thing" under the scorching

sun. We should have all these during the entire football season.

Football?!? The ultimate outcome of the game was never seriously in doubt, considering that this was the Pasadena Police Officer Association's only game this year. What everyone wanted to know was how badly these gun carrying brutes would lose.

When the Beavers scored their first TD on their second possession, they showed that they "came to play." The extra point conversion gave Caltech a 7-0 lead with 4:20 left in a well-played first quarter. Needless to say, the policemen could not get any kind of offense going long enough to pose any serious threat.

There was not much of a difference in the second quarter. As the policemen did not play noticeably better (there were even cases of police brutality) it is safe to say that the best part of their greatest "successes" were the few minor mistakes that the Beavers committed from time to time until the last five minutes of the half.

A police fumble at the Beaver forty yard line set up the

by B. Verbal

Beaver Basketball has started the season with a winning record of two wins and one loss. The Beavers are a dynamic new team this year with an especially strong zone defense and a brand new offense. The starting five for the Beavers are senior point guard Jason Karceski, junior off guard Larry Ahle, junior center Bill Swanson, senior forward Randy Ralph, and freshman forward Keith Oslahovic. The varsity squad also have a talented bench which includes two key substitutes, junior backup center Dan Kollmorgen and freshman postman TJ Creath.

The opener was a disappointing loss to Swarthmore College by a score of 61-32 as the Beavers played a tentative game getting into the flow of the season. Jason Karceski was high scorer with 11 points. Sweet William had 8 points.

The Beavers came back from their loss to defeat California Maritime Academy 55-29.

the Beavers seemed to have found their rhythm on the floor as they shot equally well from the post and the outside. the Beavers went to a strong man to man defense to frustrate Cal Maritime in their quest for baskets. Jason Karceski and TJ Creath were high scorers with 12 points each. Big Bad Bill had 11 points.

The Beavers showed their newfound confidence as they went on to defeat Pacific Coast Baptist Bible College in the closest game of the new season 53-51. PCBBC fielded a quick team with a versatile shooter who scored 25 of their 51 points. Caltech was able to overcome the threat, however, and held on to a lead for most of the game. PCBBC took the lead 51-49 with less than a minute to go. Bill Swanson shot from underneath the basket on the next possession to tie the score at 51-51. Then Larry Ahle stole the ball on PCBBC's last possession. The winning jumper was a jumper by Jason Kar-

ceski from 18 feet out as the buzzer sounded. Jason Karceski and Larry Ahle were high scorers with 15 points each. Important contribution was made by Keith Oslahovic and Jason Karceski who have been assist leaders for all three games.

The Beaver JV have had a tough season opener in the SCIAC JV tournament as they suffered losses to LaVerne JV and Occidental JV. They are in their embryonic stage as they seek to develop the talents of their big men, Ken Wiberg and Jason Macleod. The JV show a lot of potential with capable leadership from point guard Alex Duncan and veterans, Lanny Boswell and Jon Philippakos.

The varsity will play in two tournaments before the winter break: the Redlands Tournament this weekend and the Christ College Irvine next weekend. After break, both varsity and JV will face tough schedules as they enter conference play.

WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	11-17	Basketball	Swarthmore	32-61
Sat.	11-18	Basketball	California Maritime	55-29
Sat.	11-18	Football	Pasadena Police	34-0
Tue.	11-21	Basketball	Pacific Coast Baptist Bible College	53-51
Thu.	11-30	Basketball	Menlo College	38-85

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent
Fri.	12-1	TBA	Basketball (V)	Invitational Tournament
Sat.	12-1	TBA	Basketball (V)	Invitational Tournament
Fri.	12-8	6:00 pm	Basketball (V)	Invitational Tournament
Sat.	12-9	TBA	Basketball (V)	Invitational Tournament

Location
Redlands
Redlands
Christ College
Christ College

Caltech, a Horse?!

Hollywood Race Track (Hollywood Park) is promoting the December 10th stakes race in which Caltech (the horse) will make its first appearance on the West Coast, after a series of victories on the East Coast. Hollypark will offer free admission to any Caltech graduate students or undergraduate students who show a valid Caltech student I.D. at the gate. In addition, there will be free admission for all Caltech alumni who show a valid Caltech Alumni Association membership card at the gate.

On Sunday, December 10, the gate opens at 11 a.m., and the first race is at 1 p.m. Caltech will race in the 8th race, beginning at approximately 4:30 p.m. It's the \$500,000 Hollywood Turf

Cup, a 1½ mile stakes race on grass.

And for those of you wondering how Caltech got his name, it's all his breeder's fault. According to his breeder: "It was one of those dreamy times, and the mare is named Starpiece. I got to thinking about his sire, Explosive Bid. The Voyager space mission was under way, and at first I thought about naming him Jet Propulsion Laboratory. But that didn't sound good saying that."

"I'm watching PBS television about the Voyager program, and they switched to Caltech. I liked that name. At the same time, I thought if I couldn't sell the horse down here, Wayne Lukas is out there [in California]. Maybe he'll buy the horse."

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