

Number of Muggings Increases

by Jason Lee

A rash of street muggings have occurred the past month in Pasadena, and last week there were a number of alleged off-campus attacks on Caltech students.

According to Hal Ginder, head of Caltech security, there were 74 reported "street robberies" in Pasadena during October. "The number of robberies this past month is higher than normal," said Ginder.

Last week, according to Ginder, three Caltech undergrads were walking in the late evening on the corner of Del Mar and Hill, when a car pulled up and three individuals stepped out of the car.

The three assailants were described as "males, in their teens, and of black descent," according to reports filed later. The three individuals then ran up behind the three Caltech students and hit one in the face with a metal pipe,

demanding money.

"The reported attacks have been quite vicious," said Louis Wilde, Master of Student Houses. "The mode has usually been a few people in a car driving around and searching for individuals to attack. Sometimes the attackers have assaulted victims before, during, and/or after the actual robbery, which usually involved money and wallets."

Ginder added that the attack car has been described to be a white, compact car. "The robbers drive around looking for victims. They will then pull up behind an individual, get out, attack, and drive away," he said.

Another alleged attack occurred last week on the corner of San Pasqual and California, but has not yet been officially reported, according to Ginder, who has only heard about it. According to Wilde, a graduate student who was walk-

ing alone during the late evening hours was assaulted, in a similar manner to the undergrads.

Ginder, however, stated that Caltech is not being singled out as a target. "We have no indication of that," said Ginder. "All I can advise to students is to be careful."

Both Ginder and Wilde said that there are ways to scare away potential attacks. If attacked, students should run towards the nearest house screaming and making as much noise as possible.

"If you're out during the late evening, be sure to walk in groups," said Wilde. "And if you are mugged, please report it to Caltech. There have been many attacks that haven't been reported that need to be."

Wilde added that students should be sensitive and aware to the problem. "Getting to a safe place and making noise dissuades attackers."

A Biathlete At Caltech

by Chris Campo

"You want the truth or you want a lie? The truth is I was trying to meet a girl." Craig Reynolds isn't describing his reasoning when accepting the job of Assistant Athletic Trainer at Caltech, of course. He is speaking of the reasons for his having started down the path to becoming a professional biathlete and triathlete.

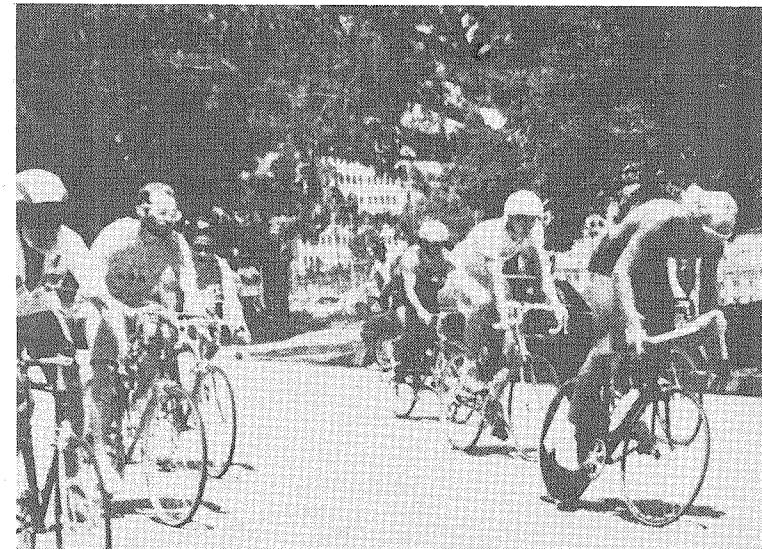
So, you may well ask, what has this got to do with a girl? "We worked together at the school I was going to and I was asking her out. I'd say after class or after work, 'Let's go to get something to eat.'

However, Craig's suggestions were always met with similar answers: "No, I gotta go run. No, I gotta go ride." So I thought, hey man, I'm never gonna get anywhere here! So I said, I'll go run with you. I'll go ride with you."

And thus the biathlete-to-be began his training with the sole object of carrying out his designs on a girl. But Craig got more than he bargained for. "I thought it would a piece of cake, but it wasn't a piece of cake. I didn't think I'd actually have to go race! I was like 134th out of 300 people. I had no idea if I could even finish. I'd never done all three (running, cycling and swimming) at one time before."

Unlike many biathletes/triathletes, Craig didn't have an extensive background as a runner, cyclist or even swimmer. "I played a little water polo. I used to race a little BMX bike when I was younger — yeah I was awesome." But the BMXer was destined for still greater things. He became good enough at triathlons so that even after he broke up with the girl who had started him down the road, he stuck with it.

Craig has been racing for about 3 years now, and two of those years have been seriously successful ones. "I was kinda hanging out, a run-of-the-mill kinda guy and then all of a sudden at Desert Princess (a prestigious biathlon in Palms Springs), my first biathlon



Craig Reynolds leads the pack at Sports Day last year.

ever, I went from nobody to tenth!

And I thought, hey maybe I can do this. At the following race in Saint Croix (a grueling triathlon on the island of Saint Croix) I won that — top amateur."

So how did Craig Reynolds, pro multi-sport athlete, wind up working in the Caltech Athletic center? "I had a friend who used to work here. The first time I had a stress fracture I couldn't race, so I thought, ah, I've gotta find some work. But I wanted something that didn't take up my whole day so I could still train in the mornings." Craig began working as Assistant Trainer to Jaye Tashima and stayed on even after his stress fracture healed. Why? "I would go nuts if all I did was race. You've gotta have something more to do."

So just what comprises a typical day for Craig Reynolds? "I get up at 5 o'clock. I grab something to eat, like a bagel. I sit on the toilet seat and eat my bagel. Then I go out for a bike ride — typical mileage would be like 60 miles a day... come home, get something to drink real quick and usually go for a short run, a 4-miler. It depends (on the day). Hop in the shower, come here (to Tech), go home and run 6 miles then eat din-

ner." Craig spends the time between 1:00 and 6:30 pm at Caltech.

"8:30 I eat dinner, go to sleep at 9–9:30."

And so Craig finds himself immersed in a scene very different from that of tri and biathlons: the Caltech scene. "It's so different than any other school I've worked at. I only see half the student-body, only the people who are into athletics, and I don't have any contact with the rest of them. I only get half the picture."

Of the people Craig does see in the training room, Craig says, "the guys that are here have got it pretty tough. It seems like with homework and stuff you guys put a lot of time into it." The unbelieveable trainer often hears from Caltech students, "'God, I can't believe you get up at 5 in the morning,' and I'm going: you guys are NUTS staying up until 4 o'clock in the morning doing a problem set! That's insane! I would never do that. You guys do the same thing I do just in a different arena."

So much for the story of a BMXer-turned-pro-biathlete. What comes next? "It's hard for me to say. When there comes a time when I can't be in the top 10... I

continued on page 12



photo by Keith Akama

Boffo-Bonecrusher Broomball IV Results

The Damn Scurves and The Meat Council dueled to a 3-3 tie in the finals of Boffo-Bonecrusher IV. The Big Red Machine and Asian Invasion also advanced to the playoffs, but were defeated in semifinal action.

A Memorial Service for Barry Krueger will be held on Friday, November 30th at 3:30 PM in Dabney Hall. Everyone who knew Barry is invited to attend.

CRIME AND INCIDENT BEAT

Crime tip: The Pasadena Police Department has reported seventy-four street robberies or muggings in the past month. The police suggest that if you are accosted by anyone while off campus, running to a nearby house for help could dissuade the assailants. Pay attention to others around you on the streets.

11/4 The license plate of a student's vehicle parked on San Pasqual, just north of Ruddock House, was removed. The Alabama tag read 'Calteck'.

11/5 A member of the Caltech staff noticed scratches near the handle of her vehicle, which was parked in the Chester Parking Lot. Apparently entry into the vehicle was attempted.

11/6 A faculty member parked his car next to the trash bin on the north side of Beckman Institute, and returned to find a vertical crease in the driver's side door, which was apparently caused by a door of the trash bin.

11/8 A student left his keys in a cubicle book holder of the Caltech Bookstore, and found them missing upon leaving the store. The keys included his apartment and car keys.

11/9 Security officers found four people on top of the Central Plant cooling tower around midnight. The four were warned that they would be arrested for trespassing if found on the roof again.

11/9 A student left his bicycle parked and locked on the south side of Booth Computer Center. The bicycle was found missing upon his return.

11/9 A typewriter was stolen sometime over the weekend from room 1 of Kellogg Lab. The door is keyed to a Medeco lock, and there was no evidence of forced entry.

11/9 A faculty member returned to her office in room 104 of Kellogg Lab and found several items missing from the desk. The office is keyed to a South Campus Master.

11/9 A student returned to his office after the weekend and found six dollars in change and a tape missing from his desk drawer. The office is keyed to a South Campus Master.

11/10 Several students were walking back to campus when three teenagers approached them from behind, near Del Mar and Hill, and hit one of the students with a lead pipe. Money was taken from each. The Pasadena Police have been notified.

11/13 A person was pushing her child in a stroller on the walkway north of Parsons/Gates when a suspect lunged at her dog with an umbrella. She was forced to physically shield her child and her dog from the assailant.

Total value of stolen or missing items: \$616

INSIDE

Movie Beat With Varoujan Gorjian

page 4

Cross Country and V-ball End Seasons

pages 11 and 12

Jim's Journal

pages 2 and 3

letters

Concerns about Security

To the Editors,

Last Saturday, I was the victim of a mugging. It was a disturbing experience, but not nearly as disturbing as the response of Caltech security to the situation.

One of the guards on duty that night had just started work here, so I would expect him to be unprepared. However, his response was the most reasonable. He was actually concerned about getting me some medical attention, but his supervisor wanted us to go upstairs and fill out some forms. Fortunately, I wasn't seriously injured, but he had no way of knowing that. (I had a couple of broken and dislocated teeth and was bleeding profusely.)

They had trouble finding the

Ricketts Thanks Kim West

Letter to the editors:

I'd like to take a moment to thank Kim West, the new Director of Resident Life, for her consideration of the Ricketts House potfires. At a time when the administration as a whole seems to feel not only comfortable but OBLIGATED to dictate what is right for the students despite their protests, Ms. West took time out to listen and give us a fair chance.

Is it possible that she is setting a precedent of treating the students as mature, reasonable people? I certainly hope so! We do not resent guidance, advice, or concern for our well-being. We CAN be talked to, and reasonable, mutually agree-

MOSH's phone number (one of the first numbers that they need in an emergency). Also, they didn't tell us (my roommate, a friend, and I) that they don't contact the police. When my roommate asked if the police should be called, one of the guards said, "Oh yeah, that might be a good idea." The guards didn't even have the Pasadena Police phone number handy, they had to call information for it.

Considering all of the hazardous chemicals and equipment on campus, not to mention random violence, I can't feel very safe about Caltech security protecting us. Something must be done to improve the situation.

-Tim Crowder
Lloyd House

Kim West

able solutions to problems can be found, but the members of the administration have to be willing to listen. Taking surveys and processing them until they tell you everything's hunky-dorey is not the way to do it. Just take a few seconds to consider what the students say once in a while.

Ms. West did, and with the addition of some reasonable safety precautions, Ricketts House will be able to continue a tradition over 30 years old. The students are happy, and so is she. That's the way it should be.

Thanks again, Kim!
-Frank Filianitis,
Ricketts House

Food Committee Minutes C.E.T.F. Meeting

Report of the Food Committee November 15, 1990

Present: Emily Wen (Chair), Gary Hindoyan (BC), Dan Frumin (Bl), Jon Lange (Da, Secretary), Chris Myers (Li), Wayne Davis (Pa), Matt Baker (Ru).

Salad bar: We finally have a salad bar, with real toppings and everything! It's available at lunch and dinner; if you want a salad at dinner, feel free to go into the kitchen and help yourself to a salad. Better salad dressing is coming, too: Bleu Cheese is gone; it has been replaced with Ranch dressing. Also, a new recipe for Italian dressing will be making its premiere appearance next week.

House waiters: be nice to your house members. Let them go into the kitchen for salad.

Menu changes: Nov 22: BBQ Chicken instead of Chicken Chronicle. Nov 27: Quiche instead of Sweet & Sour Pork; Veggie Quiche for vegetarian. Dec 5: Stuffed Grape Leaves for vegetarian.

Chili: Gary and two members of the Committee went to Souplantation to try their chili. Gary liked it and is changing his chili recipe to match theirs.

Available on request: You can get cheese sticks at lunch anytime if you ask for them.

Yogurt: Yogurt is expensive, folks! Please try to reduce your

consumption of yogurt to those times that you just can't eat anything else.

Food experiments: New dishes will no longer just appear; they will first be tested by the Food Committee. If we don't like it, you'll never see it.

Contract talk: Gary is promising that, if we renew his contract, he'll only increase prices 4% next year, which is significantly less than the cost-of-living increase. So, effectively, he's cutting prices for next year.

Specific comments: Monday's vegetarian dish, the potato and cheese sauce, wasn't a real entree. Next time, it will have vegetables and sauce to go with it. The soups have been good.

Things to look for: We're going to be seeing a new bread next week (probably Wednesday): soft bread sticks. Look forward to it. Individual boxes of cereal will slowly be disappearing, being replaced with bulk cereal dispensers. We will be having small pizzas every now and then for lunch. As soon as the current supply of fruit punch is gone, we'll be getting grape juice in the juice machines. We'll be seeing specialty salads once a week. There will be more pasta dishes and fewer rice and potato dishes. We'll still have some rice and potato dishes, though.

Next week's meeting is Wednesday, not Thursday.

Are you bugged by seeing sprinklers water swampy grass or even sidewalks? Would you like to start recycling but aren't sure how? Do you at least suffer from a vaguely uneasy feeling that civilization can't continue to gobble up oil and other resources forever at present rates?

The Caltech Environmental Task Force will be meeting on Wednesday, November 21, at noon in Winnett Clubroom One. Join us in helping the Caltech community become a more environmentally conscious campus, and help us encourage the administration to adopt policies that enhance local and global environments. For further information, contact David MacKay, ext. 2805 (MACKAY(at)HOPE.CALTECH.EDU) or Debbie Bradbury, ext. 3630.

Don't worry about being a few minutes late, just grab that delicious, nutritious, and already-paid-for-so-what-the-hell-you-might-as-well-eat-it board-plan lunch and bring it to the meeting!

THE CALIFORNIA TECH

Volume XCII • Number 8

November 16, 1990

EDITORS
Scott Kister
Emily Wen
Lindsee Goh

CRIME BEAT EDITOR
Rob Ellis

WRITERS
Chris Campo
Sam Dinkin
Christy Esau
Varoujan Gorjian
Jeff Koshi
Jason Lee
Flavio Noca
Doug Rowland

PHOTO EDITOR
Michelle Tseng

PRODUCTION
Nick Smith

BUSINESS MANAGER
Sonny Arcilla

ADVERTISING MANAGER
Joseph Chiu

OFFICE MANAGER
Gavin Claypool

CIRCULATION
Peyjen Wu
Ayman Awad

THE CALIFORNIA TECH
40-58 SAC
California Institute of Technology
Pasadena, California 91125

(818) 356-6154

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

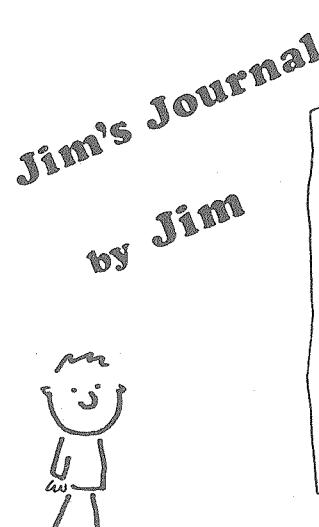
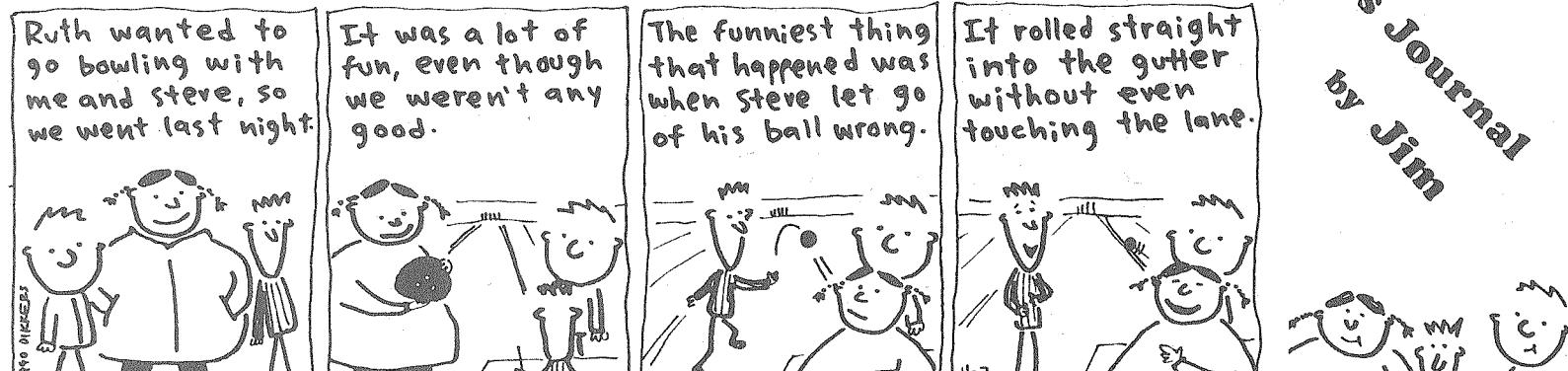
Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The editors reserve the right to abridge and edit all submissions for literacy, expediency, or anything else.

Turn in copy (preferably in ASCII format on an IBM-compatible floppy disk) to the Tech mailbox outside SAC room 40 or through the Network email to TECH CITiago or TECH Iago.Caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 P.M.

Subscription requests should be directed to the office manager. Subscriptions are \$3.50 per term, \$9 for one year, \$17 for two years.

Printed by News-Type Service, Glendale.

ISSN 0008-1582



FRIDAY NIGHT ASCIT MOVIE

HARRISON FORD is BLADE RUNNER

In CinemaScope

with Hareway to the Stars

Baxter Lecture Hall November 16 7:30 & 10:00 p.m. \$1.50 for ASCIT members	Next Week: Glory \$2.00 for others
---	---

A KALEIDOSCOPE OF CALTECH public events

CLIVE SWANBOURNE piano

Sunday, November 18 at 3:30 p.m.
Dabney Lounge

Program will include works by Bach, Tippett, Chopin, McQueen and Schubert.

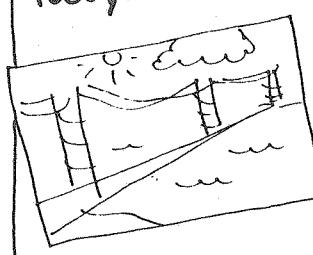
Admission: FREE

Call campus extension 4652 for information

ENTERTAINMENT

Jim's Journal

I got a postcard from my mom today.



It was from San Francisco, where she went for a piano teachers conference.



She said she was having a great time riding trolleys seeing the Golden Gate Bridge and stuff.



I couldn't read it in the top right-hand corner because the postmark covered up her writing.



Today I got a call from the manager of the copy store.



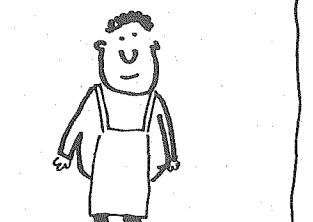
He said he wanted me to come down for an interview.



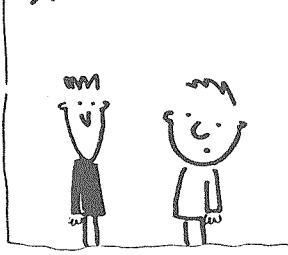
(I applied for a job there the other day with Steve.)



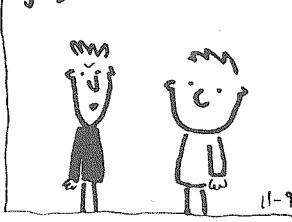
I went there and met the manager. His name was Hal.



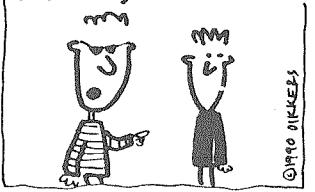
Today I told Steve I got a job at the copy store.



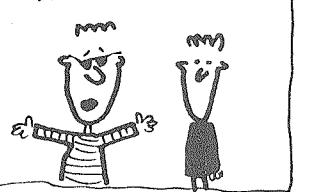
He said it was no fair that we both applied and only I got the job.



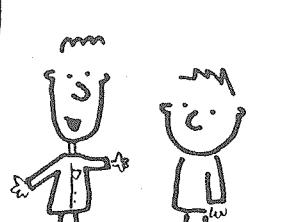
Then Tony said, "Steve, why would you even want a peon job like that? You need to start thinking management."



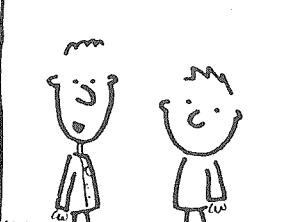
"My brother," Tony said, "is manager of a shoe store and makes more money than all of us!"



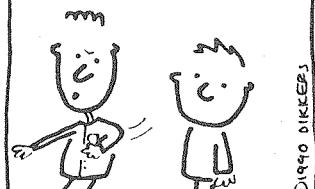
Today Tony told me about a dream he had last night.



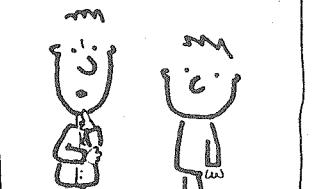
"It was wild, Jim, you wouldn't have believed it," he said.



He said he had a race car that could take him anywhere in the world in 2 seconds.



"But the weird thing is," he said, "I only went to my Aunt Helen's house and a meat-packing plant."



I went to work at the copy store today.



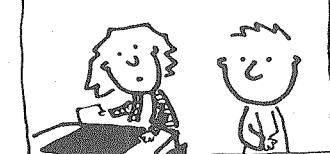
Hal, the manager, showed me how to run a big copy machine and got me started making 3,000 copies of something.



After about 3 minutes, the machine got jammed.



I went looking for Hal so he could show me how to fix it, then a customer told me her machine was jammed and asked me to fix it.



Jim's Journal

by Jim

**STUDENTS –
GET \$4.00 OFF
WITH THIS AD**

Shampoo, Style Cut

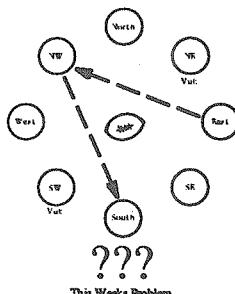
MEN Reg. \$20.00 NOW \$16.00

WOMEN Reg. \$25.00 NOW \$21.00

449-6967

1009 E. COLORADO • PASADENA

Offer valid only Monday–Friday, expires June 30, 1991



This Weeks Problem

The Many Faces of Shangri-lymph
by Rowen Oak

Non-conformist



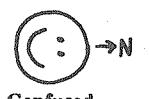
MIT Student



Smiley-face in Hyperbolic Space



Trekkie



Confused



Dracula



Jabba



Apathetic (really, really apathetic)



Grandfather



Special Child



Lecher (glommer)



Plastic Man



Siamese Twins



Cyborg



Used Car Salesman



Kid With First Tooth



Boxer With Last Tooth



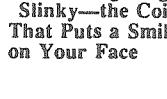
Advertising Plug: Slinky—the Coil That Puts a Smile on Your Face



Humpty-Dumpty



Queen Elizabeth (prior to coronation)



Instant Weight Loss Clinic Patient:



Smiley-face Stuffed in Honeycomb



Before



After

That's All, Folks



Have a Day

Sensuous Mediterranean For Sale

Surprisingly Spacious and Elegantly Restored.

This 3 bedroom home features a large living room with fireplace and fantastic mountain view. Formal dining room, 1.75 bathrooms (one fully tiled with rare Batchelder tiles), French doors, 2 car garage and private courtyards, perfect for meditation, studying, and sunbathing. Located in prime Pasadena area near the Rose Bowl, Aquatic Center and Norton Simon Museum. \$399,000 or offer. Please Call (818) 400-0298 or 797-7935.

LAEMMLE THEATRES

ESQUIRE2670 E. Colorado Blvd.
(818) 793-6149Philip Kaufman's
erotic drama**Henry and June**Daily 4:45, 7:30, 10:00 p.m.
Sat-Sun matinees 2:00 p.m.**COLORADO**2588 E. Colorado Blvd.
(818) 796-9704A serious comedy
about women and food.**Henry Jaglom's
Eating**Daily 5:40, 8:00, 10:15 p.m.
Sat-Sun matinees 1:00, 3:20 p.m.

Matinees also Thanksgiving and Friday, Nov. 23

entertainment

Upcoming Movies With Varoujan Gorjian

by Varoujan Gorjian

Godfather: Part III is probably the most anticipated movie of the season. The previous two parts have won academy awards for best motion picture and everyone is wondering how good this third one is going to be.

The preview screenings showed that the movie needed still more editing and Paramount pictures was worried that the film would not be ready by the Christmas day release date, but the editing was finished in time and the movie will be released on Christmas. The movie ran over time and over budget, as did the previous two, and in its fi-

nal form is about three hours long, as were the first two, now it is up to audiences to judge how good the movie is.

Closer to release is Predator 2, which will be out next Wednesday in time for Thanksgiving. None of the original cast reappears, (unless you count the Predator, who once again is played by Kevin Peter Hall). Yet the cast that they do have is fairly impressive with Danny Glover, Maria Conchita Alonso, Bill "Game Over Man!" Paxton, and Gary Busey. The story is set in Los Angeles in 1997 as the Predator arrives in the urban jungle. Apparently this time the Predator

is in town "with a few days to kill." For those who have been following the Dark Horse Comic series Aliens vs. Predator, the movie makers have a reference to that conflict.

The Predator is fond of trophies of his kills, i.e. skulls of his victims. In the movie, if you look closely, you will see in the Predator's trophy case the unmistakable skull of an Alien.

A bit more down the line, opening on November 16, is Rocky V. Now what can one say about this, the only other non-slasher movies that have generated this many sequels in recent times have been Star

Trek and Planet of the Apes both of which were not very well received the fifth time around. The James Bond series is the only one to have been successful over a long period. Needless to say, Rocky is no James Bond. Supposedly Rocky

V is closer in tone to the first movie but preview reaction has not been very favorable. Stallone has stated that this will be the last Rocky movie, but probably he should never say never.

Another Movie to look forward to is Kindergarten Cop with Arnold Schwarzenegger, directed by Ivan "Ghostbusters" Reitman who recently directed Schwarzenegger in

Twins. This comedy is one of the few non sequels that is out there. Schwarzenegger is hot off his huge hit Total Recall and was very successful in comedy with Twins, so this movie should satisfy Schwarzenegger fans.

Two other off beat non sequels are in the offing for this Christmas, Dan Aykroyd's Valkenvania and Tim Burton's Edward Sissorhands. Valkenvania is the story of a yuppie couple, played by Chevy Chase and Demi Moore, who stumble into an obscure East Coast town where a 106 year old Justice of the Peace presides over a nightmarish group of comic/frightening inhabitants (like Giant Infant Body/mutant baby) and doles out death sentences for traffic violations.

This is definitely a movie that is different and hard to describe. Aykroyd has not had a hit since Ghostbusters II, and this time he has not only written and acted in this movie, but he directed it as well. Edward Sissorhands is Tim Burton's first movie since directing Batman. It stars Wynona Ryder and Johnny Depp and it is sort of a Frankenstein story about Edward Sissorhands (The name being self explanatory). Preview showings of this movie have produced mixed reviews, so it remains until its opening to see how good the movie is, although it certainly shouldn't be difficult to top a bungled mess like Batman.

Finally, looking farther into the future, for all I care, Bill and Ted can go to hell, and they will be, in the sequel to Bill and Ted's Excellent Adventure, tentatively titled Bill and Ted Go To Hell. Shooting begins with the original cast and writers this January, and it is slated for a Summer '91 release.

On the Star Trek front, the latest word seems to be that Nicholas Meyer, the man behind the best Star trek movie: Star Trek II: The Wrath of Khan, is slated to write and direct Star Trek VI. The shooting begins in March with a tentative Christmas release date. This summer is definitely going to be another sequel summer with Terminator II, Alien III, Short Circuit 3, and The Lost Boys II.



DEMONS LAWYERS & THIEVES

A dead realm ruled by golden radiation
Left haunted by wealth and power
Orange opposes the papal empire
Where true peace can never flower

A piece of yellow answers the red
Revolving around the fire's glow
Blue lays out the proposed solution
Grey turns to a dacing white tango

Dedicated to my grandfather Joseph Chester Kime (Kime and Bonebrake, J.C. & E.K., photographers, Akron.) A pioneer in color photography, he bought his wife Margaret "Peg" C. Martin Kime (a high school classmate of John S. Knight of Knight Ridder) a Willys Knight (whose namesake W.J. Willy died with Joseph Patrick Kennedy, Jr. in 1944. Joe Jr.'s sister Kick's husband William, Marques of Hartington, also died that year (Kick died in '48.)) He died of alcoholism in 1944 (Feb. 2) leaving three children: Joseph, Janet and William (of De-Pere, Wisconsin and salesman for Employers' Insurance of Wausau (deceased, 1986.))

Also to C. Nelson Wright, born Nelson Wright in Rittman, OH, who sold hand tools from the trunk of his car until, with the help of his brother W.E., he founded Wright Tool & Forge Co. in Barberton, Ohio in 1927. Nelson died Easter Sunday, 1972. An avid hunter, his gun collection included a Derrington pistol and a sawed off shotgun.

Please see my ads in the 1985-86 University of Oregon, *Emerald*; 4/13/90 *Washington Post*; 7/20/90 *Oakland Tribune*; 10/12/90 *Duke University Chronicle* (and U. of PA Pennsylvania). Never forget Alice Cooper's "Billion Dollar Babies" and watch out for spiders!

Richard Bruce Wright, II
b. 8/31/60, c. 9am, Akron

SERVING CALTECH SINCE 1945

Authorized Agents for Airlines,
Hotels and Steamships

H.B. BENNETT TRAVEL AGENCY
The Finest in Professional Travel Services
(818) 795-0291
(213) 681-7885
CAMPUS EXTENSION 5091

690 E. GREEN ST.
PASADENA
(between El Molino & Oak Knoll)



ACADEMY BARBER SHOP

27 N. Catalina Ave., Pasadena
Open Tues.-Sat., 8 A.M.-5 P.M.
449-1681

CLASSIFIED ADS

PERSONAL -

SINGLE FEMALE HI-TECH PhD. Loving, fun, pretty, Taiwan Born. Good researcher, dancer, writer. Desires to meet nice, handsome, cultured, loving Prof. 35-50. PO BOX 60744, Pasadena, CA 91116.

HELP WANTED -

RECEIVE \$20 FOR PARTICIPATING in a study on work and marriage. Dual-earner couples wanted in which at least 1 spouse is a graduate student. (213) 326-6869.

FUNDRAISERS -

FAST FUNDRAISING PROGRAM \$1000 in just one week. Earn up to \$1000 for your campus organization. Plus a chance at \$5000 more! This program works! No investment needed. Call 1-800-932-0528 ext. 50.

RATES . . . \$4.00 for first 30 words;
.10¢ for each additional word.
Send written ad with payment to 40-58.
Deadline is 6 p.m., Monday before issue.
No charge for on-campus lost & found.

SURF Speakers' Bureau — We Want You!

Lloyd1

Cinco Bitchin' By Ham Stinkin'.

Long after the polls were closed at Winnett, the race for the Western representative to the North American Collegiate's was on. Eight Caltech students — Craig "Wiener Dude" Smith, Scott "Jazz Beef Chief bo!" Harris, John "Bayou Brawler" Gass, Doug "Flako" Peterson, Kurt "Rolling Thunder" Storm, Randy "Shrimp 'Ace of Spades' Wimp" Stevenson, Matt "Killer" Maloney, and Raif "Dee 'Fish Pro Tem' jam" Majeed — unofficially beat competition from Stanford, Washington, and UCLA to play for the third year in a row in the collegiate championship in Atlantic City.

After South opened play with a ragged underhand serve, Northeast followed with a looping set directly across the circle of play. Southwest bobbled the ball slightly, but there was more than "meats" the eye! West, totally unprepared for a misplay, inadvertently set the pigskin back to Southwest off his shoulder. Southwest capitalized, unloading a blazing spike at the unsuspecting North. Sometimes pre-set plays are sneakier than congressmen!

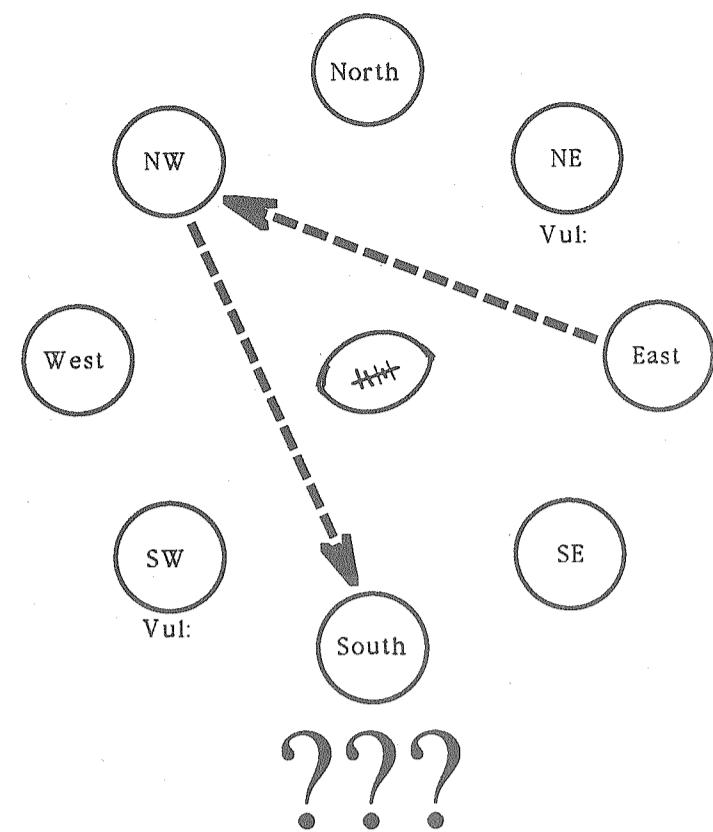
At this point the serve came to Northwest, who had to decide how to play this critical juncture. Serving to his left would leave the round in the hands of revenge-minded North, who, having been spiked once, was not to be trusted. However, serving to his right would allow West, a left-hander, to implement the trusty Rebound Pitchback, which could lead to a bitter defeat at the hands of Southwest.

But wait! There was a clue in the hitting. If a vulnerable player could be found, a play could be made! Looking across the circle of scrimmage, he notices East, visibly weak. Using the little-known Lateral Gambit, he feigns to the left and launches right. East is stuck! No amount of agonizing will help him now. He watches helplessly as the ball is brought to him for the fourth hit. He pops the ball feebly into the center of the circle and implements the infamous Cower in Fear defense.

But wait! West and Southwest collide on the spike, and the ball plummets toward North, thus ending the round. Realize making 6 is worth 95 out of 100 match going down is only worth 20. East is traumatized by the last play. Going into the final round, he has the serve. Opting to toss rather than hit on the serve allows South to open the counting. In a high arching trajectory, the ball tumbles end-over-end toward Northeast.

The protagonist in our tale opts to intercept the ball, sending it once again skyward. East immediately sees the chance for victory. Perhaps he can succeed where Custer could not! After some degree of sleight-of-hand, the ball arrives on the doorstep of West. Is anybody home? Certainly, and West had more up his sleeve than his elbow pads. Some spectators said they heard the air tear as the ball careened toward Southeast. A bullet to the midsection! Les jeux sont fait.

This week's problem: East serves, Northwest makes a hard second hit and the ball comes to you at South. Northeast and Southwest are vulnerable, what is your best play? [Hint: Don't forget the Rainbow Maneuver. Is it too risky?]



This Weeks Problem.

— The Beef Chief, the Fish Pro Tem, and the Shrimp Wimp

When you start your career, there's nothing like initial success.



Exciting opportunities exist at IBM!

IBM is recruiting 1990/1991 graduates for openings in Programming and Engineering (BS/MS).

**Meet with IBM Managers
at Our Career Information Day
Wednesday, November 28
Winnett Student Center
Noon-5pm**

There is no formal presentation, so feel free to stop by anytime during the event. Please bring 4 copies of your data sheet/resume and transcript, if available. Dress is casual.

An equal opportunity employer

20% Off
All Used
CD's & Tapes
With This Coupon

All New Releases
And Top 30 Hits
On Sale Everyday

MUSIC
EXCHANGE
220 South Central Avenue
Glendale (818) 240-6539
The Bright Yellow Building Just North
Of Colorado Across From The Galleria
1 3 0 Expires 11 30 90

This Week's Inside World was written by:

Blacker: Walker Aumann

Fleming: Brian Duchovny and Mark Humphreys

Lloyd: Raif Majed, Scott Harris and Randy Stevenson

Ricketts: Amitabh Mehta, Alex Sugiyama and Dan Weaver

Ruddock: Ericha Wunderlich and Heath Hunnicut

Blacker: 1 0 0 0 1 3 1 11

Dabney: 0 3 0 3 0 2 0 9

Fleming: 0 2 0 0 0 3 4 4 16

Lloyd: 0 0 2 0 5 5 5 23

Park: 0 1 0 1 1 1 1 17

Ruddock: 0 4 1 2 4 6 2 20

Ricketts: 0 1 0 4 4 2 1 15

The Inside World

Lloyd: What the hell did you mean when you yelled "Blarnarnargar" into our dining hall Monday night? Were you all trying to say something? Was it in code? Did you have food in your mouth? Were you all just incredulously at being out of your study cubicles at the unbelievable hour of 7:00PM?

Wow! I just fell asleep and had a weird dream. It was almost like a movie. It didn't even feel like a real dream.

Voice: ... are transmitting to the year 1,9,9,....

Then, a picture: In the doorway off of 1.5 stands a dark figure, tendrils of putrid mist wafting off of his malodorous figure. He is the Anti-Breath, the Wind Dragon.

Thoughts come to me seemingly at random: A garden hose and spray soap, the price of magic mushrooms, the sweating process, and its by-products.

A clue, though: Body odor is caused by millions of tiny bacteria that live in the epithel. Luckily, they can be killed by the use of soap.

"Tell it to Steven, he'll believe most anything."

Dos Equis is the Mexican Motion Picture Association's rating for a really, really dirty Mexican porn flick.

Top nine nauseating things in Ruddock this week:

9. Eating a face, where n is very large.

8. The "worst way to die" conversation in 4.5.

7. Fang and his wonderful excretions.

6. The "Is it milk or is it cheese?" morning treat in the dining room every day.

5. Ali and his wonderful regurgitations.

4. Jo and Nina GlamFest.

3. Dave Lin's guitar is fixed.

2. Berra and her pseudo-man frolicking in the computer room.

1. Spicy chicken gristle.

The California Tech

The California Tech

Fleming

Welcome to the Fleming House Inside World. We'd like to thank Mr. Frosh for his visit. We're inspiring us to write an inside world, mostly because we were sick of the frosty writing for the past two weeks. Its time to get back to ragging on frosh, not listening to him. Those 29 whiney voices were really driving me up a wall. That's right, all of us.

Question: "How many frosh does shower an upperclassman?"

Answer: "I guess we'll never know."

And on the subject of annoying, wh

we now present our first top ten list:

To 1 Quotes

10. "—'s a toad." — Parks

9. "Hi, has anyone seen Jeff around?" — Kevin

8. "I have to do my Chem, it's due in — Kevin

7. "I didn't know Ned played the flute

6. "Fucking kill 'em - just fucking kill 'em"

5. "What's a baton?" — Any frosh

4. "Fee Hee Hee Hee Hee..." — Jen

3. "She's beautiful from the inside..." — Jen

2. "I don't get wet on Sundays..." — Nt

1. "I can't pick up napkins, I'm not w

we may have crushed like bugs. Careless and insensitive comments comments have no place in an Inside World. In appreciation, we are sending David a copy of the most recent Hair Club for Men pamphlet, a jar of petroleum jelly and a bottle of mineral water.

Blacker House, a fine place to herd cattle (Moo-OOOO). (No really, we have

nothing to do there, save maybe to feed the goats living in Blacker.) has maintained

the excellent selection of courtyard music. Members of the Smith Houses can

barely contain their praise. Sophomore Amitabh Mehta claims, "I hadn't fully appreciated Queensryche until the 71st encore presentation this week. I don't understand why Moles move off campus."

For our readers in Up Your alley, there is a trendy new way of going to the computer room. Sacha Malin hopes her great circle route will catch on. "I

go out to the computer room, across the end of Cherry, up the hill to Smith,

and down the valley to the computer room. It's a great route," she says. "I know," "I concur," says Michael. "Dude and Michel" "hi'd drug" Hosking have adopted

this hip new route. Since they live in Crud, they get to go through the courtyard twice. For the skeptics, we would like to point out that this route offers you

the opportunity to drop by and say "Hi" to Nicole Eustance.

CARLOS' GUIDE TO A BETTER YOU

This week Carlos Ramirez has written us and discussed his vision of how

men should dress in the post-feminist age. Q: So what's the best way to put together

the look? A: The look is the existentialist look. Exist-

entialist precesses essence, so it's no longer good enough to be a cool guy but dressed

like a sloth. It's better to look good than to be good. The look makes the man.

Q: What should be avoided? A: Pants that terminate four inches above the

shoes are out, as are T-shirts that say "My mom went to ..." God said "blank"

Blank House, as well as the Maxwell T-shirts. What sort of image does that

present to a woman? Still on the subject of shirts, Sophomore identity shirts,

like the Red Athlete shirts seen around campus are definitely passe. And even

worse, the red and black shirts with letters on the butt in combination with

some movie theme T-shirts. Any shirt with yellow on it is right out. Get some

individual identity, guys.

Q: Anything else pop to mind? A: Oh yeah, footwear. Flip-flops and Bir-

kenstocks are right out. Dark socks with shorts is lame. The worst faux pas is

the Birkstock socks with socks. There you go.

Q: Some members of the community will go to class or the coffeehouse in

their bathrobes. What do you think about this? A: If they're not female, it's down-

right. Get dressed, get dressed.

Q: So what should we look for in our wardrobe? A: Vassar apparel can be quite

fashionable. Leather will make a comeback, mark my words. Leather jackets, pants, ties, shoes, anything leather. As far as other materials, the natural

fibers are cool. Cotton, 100% cotton is the way to go. Avoid polyester and rayon,

although rubber if tastefully worn can be quite attractive. For the fall and winter,

you want earth tones. Black is always nice, it broadcasts the utter

meaningless of your life and the vacuity of your soul.

Thank you Carlos, see you next week.

Occasionally, one finds out the most unexpected people read the Inside World.

This week, we discovered we have some regular readers who go to La Canada

High School, in La Canada-Flintridge. So we would like to say hello to Gisele

Rodriguez-Sandoval and Clark Chang. We would like to tell Gisele's friends

and teachers that she is very stressed out from doing the college application scene.

Please cut her some slack. Some gratuitous (SAT word) advice, always do your

problems real quick and then go to lab. By the way, Internhouse

is next week. Tell everyone.

It was an awesome week for the Maroon Machine. The Damn Scurves walked

over the Big Red Machine, the Page Waiters, and the Unlats on their way to the

championships of the Boofo tournament before tying the Lloydies in the fin-

als. Just goes to prove we're turning into South Lloyd. Also, the Ricketts' soc-

cer team emasculated Buttock House, holding their scoreless. What the hell is

new? In the meantime, we're still here, we're still here.

Alley Two/Four ScumKings

NEWS FLASH ** NEWS FLASH ** ASH ** NEWS FLASH

UPI Pasadena - On the aquatic front in Upper 5 in the immediate vicinity of

Upper 5. Eyewitnesses described a squid

specimens do not survive long out of

Our final piece of constructive criticism

In a continuing effort to improve our social skills which the rest of the

world is long overdue and sorely need-

ed in Fleming House and establish rudimen-

tary social skills will be to emulate, we present:

Top Ten Frosh Class

10. Build Interhouse, frosh.

9. Don't sit on Scraves.

8. Fuck DAPAC.

7. If the door is closed...

6. To the upperclassmen, we're you

5. Bluff early, bluff often.

4. Shave your head, it looks cool.

3. Snake frosh, finals are coming.

2. Take a piss BEFORE you go to sle

1. Get a clue.

Tune in next week when we ask such

questions as: What does that sign on Joe Chiu's

door mean? Does anyone care? Who is

time? When? How? Why? Who is this Brian Daniels character,

and why do they call him Mr. Nice? If

that Carolissi benches more than he squats?

just that Alacia benches more than he squats?

and finally, when will Spaz quit wh

-The Duke and The Limey

P.S. Little Dickie L... Here's a quiz:

Does this Inside World:

A. offend You

B. Kiss You Off

C. Scare away geeky high school

D. All of the Above?

Tough Shit.

Ricketts

Good Morning Readers,

We missed you all last week, some

problems came up.

Elizabeth at the Master of Students' Office for

excellence. We appreciate the hard

work you put into the dorms.

As a consideration to our faithful

out and are now using our power of the

in past weeks.

As part of our new format, we wil

liment people instead of insulting them,

in top form in Tijuana two Saturdays ago.

Iore's impeccably suave social skills. "Caltech

will change with Julian "Lady Killer"

wife in the center of the world, I mean some

Senior Erik Russell concurred, "I am usually

to meet really interesting women at the bar

we went to. I have never seen someone

so cool as Julian."

<p

The Inside World

Lloyd2

"Good morning Cherry", I called out cheerily as I stepped through the 50 tonne pneumatic door.

"Hello Humper", she replied with a less-than-demure smile. I'm afraid W wants to see you now, but perhaps after, maybe we could...

"Now, now Cherry, you know I could never respect you in the morning", I said as I passed through another 100 tonne, rapidly closing door. Inside, behind his dark oaken Louis XIV desk, in his Recaro executive chair, looking even more worried than usual, sat W.

"Salutations, Staab. Sit. What do you know about a small idyllic school by the name of California Institute of Technology?"

"Well sir...", I paused, rapidly searching my mind for some hint of this hole-in-the-wall which W obviously thought I should know something about. "Small, too much work, too few women for health, and a new DAPAC policy."

"Exactly", W said with a smug smile. "That last bit has turned into a bit of a bother. It appears that our good friends there do not seem to take DAPAC as seriously as the rest of the free world. In fact, they are making a mockery of our ability to predict their behavior. I want you to go in and, well, resolve the situation. See J on the way out."

I rapidly exited his office and descended into the sub-sub-sub basement of the drab grey building which housed our organization. There, housed in a littered spot of laboratory, was J.

"Hello Humper, have I got something for you. Its the best. Look at this. It looks like a simple briefcase. Yet, behold, it's a bug. The bottom of the case is covered with yellow Zap. Just stick it on, and you can follow it with any 46" projection TV. Oh, and look at this. This is the best. It looks like a pen right? Wrong! It's an MX missile launching system. If you press the button, the pen comes out. But if you press it again you start World War III! One problem though, I can't get it to write after you fire it. The ink keeps drying out. I'm doomed."

My name is Staab, Humper Staab. My job? To quell resistance and restore authority anywhere in the world, by any means necessary. I make James Bond look like a pussy. My detractors say: If I'm not humping someone, I'm stabbing them. My fans say, well, I don't have any fans.

After getting equipped for my mission by J, I headed home to prepare for the more delicate aspects of the operation. Heading back to my flat, weaving through traffic in a rather crude but effective Aston Martin Vantage, I thought back on all the times I'd gone through the same drill. These DAPAC policies had certainly not been popular. Of course, the press immediately jumped on the bandwagon after the appropriate phone calls had been placed, yet still, there was resistance. I'd seen it all over the world. El Salvador, Afghanistan, Korea, East Berlin. Many good men had died ensuring compliance to the law. Were their deaths necessary? I'd like to think so.

On my way to the campus, I went over the details in my mind. I had to stay undercover, it would tough to mingle with the likes of the people I expected to find at Caltech. I left my HP-15C at home, thank you very much. I didn't leave my Kalishnikov 7.62 mm Starlight rifle, Colt 10 mm Delta Force side-arm, and assorted other lethal gadgets at home, however. As I saw the situation, there were three situations I had to deal with. Party violations, covert violations, and age violations. After checking into a rather dreadful hotel nearby, I showered, dressed and prepared to scout the territory I would soon be patrolling. First, of course, I rigged my room so I would know if anything had been disturbed. A hair placed across a doorway, some dust scattered across a door handle, objects arranged in a certain way. I wasn't expecting any trouble, but...

On campus I headed first to the dormitories. I knew this would be the place to start. It was a Friday evening, and I had that prickling in the back of my spine which always preceded trouble, or love. Coming close to a building, screened from sight by bushes and some lawn furniture, I used the scope of the rifle to scan across the windows. Most had curtains drawn. Switching the scope into a mode which the engineers at the factory had never dreamed of, the interiors of the shielded rooms lept into clear focus. First room, nothing. Second, nothing. Third... My God! I counted twenty bodies in the room and at least a dozen bottles. I could almost hear the laughing from my perch 300 metres away. Forcing the bile down my throat, I raised the rifle and sighted carefully. The wind was from the north at about seven knots. I moved the muzzle half a centimeter to the right to compensate. The gun felt like a part of my arm. One shot to break the glass, the rest of the clip into the room. My finger gently squeezed the trigger; then squeezed it again, and again, and again...

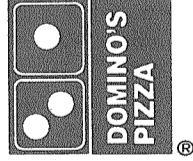
(Next week, Humper meets Lisa Waitz and Karen Nilsen!)

DOMINO'S PIZZA

AFTER 30 MINUTES, LOUIE WAS CONVINCED THAT VINNIE WAS LYING ABOUT THE DOMINO'S PIZZA® BEING LATE.

Call Us Cal-Tech!
584-0866

2385 Colorado Blvd. • Pasadena



IT'S TIME FOR DOMINO'S PIZZA™

30 MINUTE DELIVERY/12 MINUTE CARRYOUT OR \$3.00 OFF GUARANTEED.

CALL US
\$7.99
PEPPERONI PIZZA FEAST!

Buy a medium Pepperoni Pizza Feast for only \$7.99 and get another for just \$4.00 more. Pan or Original style. Additional toppings extra.
Coupon required.
Expires: In two weeks.

CALL US
\$1.00
MEDIUM ONE TOPPING PIZZA

With the purchase of any large pizza at regular price. Pan or Original style. Additional toppings extra.
Coupon required.
Expires: In two weeks.

CALL US
\$7.99
MEDIUM
\$10.99
LARGE

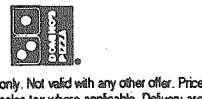
TWO TOPPING PIZZA.
Pan or Original style. Additional toppings extra. Coupon required.
Expires: In two weeks.



12 oz. Cans available.
Save on a 6 pack of Coke.® or diet Coke.®

Valid at participating stores only. Not valid with any other offer. Prices may vary. Customer pays sales tax where applicable. Delivery area limited to ensure safe driving. Our drivers carry less than \$20.00. Our drivers are not penalized for late deliveries. A214

Valid at participating stores only. Not valid with any other offer. Prices may vary. Customer pays sales tax where applicable. Delivery area limited to ensure safe driving. Our drivers carry less than \$20.00. Our drivers are not penalized for late deliveries. A215



Valid at participating stores only. Not valid with any other offer. Prices may vary. Customer pays sales tax where applicable. Delivery area limited to ensure safe driving. Our drivers carry less than \$20.00. Our drivers are not penalized for late deliveries. A216

INTRODUCING DIET COKE®: NOW AVAILABLE AT MOST STORES

The Inside World

MINUTES OF THE ASCIT BOD MEETING OF NOVEMBER 13, 1990

Present: The ASCIT BOD, Sonny Arcilla, Gavin Claypool, Cathy Hafer, and Eric Stout.

CLUE: Scott Kister did an awesome job on the presentation of the CLUE to the faculty board. ASCIT will be reimbursed for the CLUE and the faculty board wants to send one to every teaching professor.

Yearlong Offices: To ease the burden of the job, appointments for the little t editor and business manager should occur earlier in the year so some work can be done third term. This issue will be looked into.

Meeting With The Faculty: The next meeting will be December 4 at noon in Winnett Clubroom A.

Sonny: The tax thing is in place, but don't be alarmed if there are some problems. ADP does the tax thing at Pam's work and she wanted us to know that it works there. ADP will do ASCIT's tax thing until Sonny can find something cheaper.

The \$32,000 loan from the institute for the new typesetter looks to be coming along OK. Chris Brennen wants an itemized list of all possible purchases to see if anything can be eliminated.

Sonny wants to modify the compensation schedule of *The California Tech*. The proposed modification is a small raise in the salary paid to the workers in charge of on-campus and off-campus distribution. Also, if a worker holds the job for a long enough time, he is rewarded for his "stick-to-it-iveness" with a promotion to "journeyman" which entails another raise. The BOD approves (7-1-0) this modification. For your info: Sonny does not hold either of these jobs.

ASCIT Budget: Pam presents an up-to-date budget and it appears that the budget for the year is being used as planned.

Y Dues: Eric Stout mentions that the Caltech Y is considering a \$5/term dues for the Y. He would like ASCIT to hold an election so the ballot could include a referendum vote to determine the amount of student support for the proposed course of action.

LORENZO'S BARBER SHOP

Ask for Your
Caltech Student Discount!

Unisex Hairstyling
Regular Cut (men) \$ 900
Regular Cut (women) \$ 900
Style Cut \$1200
Permanent Wave \$4000

9 a.m.-6 p.m., Monday-Saturday
14 N. Mentor Avenue, Pasadena

(818) 795-5443
No Appointment Needed

PASADENA SCIENTIFIC & TECHNICAL BOOKS

We Stock Scholarly & Professional Books in:
ENGINEERING - HANDBOOKS - SCIENCES - MATH
AEROSPACE - COMPUTERS - BUSINESS - CODES
NURSING - PSYCHOLOGY - ARCHITECTURE - DESIGN

— We Specialize in:

FAST DELIVERY • SPECIAL ORDERS
PHONE ORDERS

Mon-Fri 9:30 a.m.-5:30 p.m.
Saturday 10 a.m.-5 p.m.

794-4499

1388 E. WASHINGTON BL. - PASADENA

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.

Health Center Spouse Costs

In response to student demand, the Health Center and Counseling Service will make their 1990-91 Spouse Programs available to all students' spouses regardless of their insurance coverage. The fee will be \$50 each term—charged to the student's account—for each program, Medical or Counseling. Therefore, if your spouse enrolls in both programs, it will be \$100 each term. Registration forms for these programs will be available at the Health Center. You may call for details at x6393.

Scientific Fraud??

On Wednesday, Nov. 28 at 12 noon in the Judy Library, Baxter, Dr. David Goodstein will speak on the topic of "Scientific Fraud". This talk is part of the series on Science, Ethics and Public Policy.

AirTalk: The Caltech Edition

Oddly enough, Dr. Goodstein is going to be on that as well, on Wednesday, November 21, along with Sunney Chan and Edith Roberts, discussing plans for Caltech's Centennial. Airtalk is broadcast on KPCC FM (89.3) and Cencom Channel 55 on cable from 6-7 pm. To call in questions to the live phone-in segment, call (818) 798-2489.

AIDS Project L.A. Benefit

On Friday, November 30, there will be a benefit concert for the "Necessities of Life" program of AIDS Project Los Angeles. The concert, featuring Anne Hills and David Roth (who just did a GREAT guest spot at the Caltech Folk Music Society concert last Sunday) will be at 8:00 pm at the Highland Park Ebell Auditorium, 131 S. Ave. 57, in Highland Park (just south and west of Pasadena—take the Pasadena Freeway to Ave. 57 offramp). Tickets are \$10 in advance, or \$12 at the door. Mail ticket orders to Rob Mendel, 843 N. Ave. 66, Los Angeles, CA 90042 (checks payable to A.P.L.A.) Ticket orders and other donations are tax deductible. Call (213) 258-9282 for more information.

Free Piano Recital

Pianist Clive Swansbourne will give a free recital on Sunday, Nov. 18 at 3:30 pm in Dabney Hall Lounge. The program will include compositions by J.S. Bach, Beethoven, Schubert, Brahms, Schoenberg, McQueen and Chopin. The concert is free and open to the public.

STUDENT & YOUTH AIRFARES

THE STUDENT TICKET

ROUNDTRIP

LONDON	FROM \$ 430
PARIS	FROM \$ 660
ATHENS	FROM \$ 850
FRANKFURT	FROM \$ 670
COSTA RICA	FROM \$ 370
CARACAS	FROM \$ 370
MEXICO CITY	FROM \$ 250
SYDNEY	FROM \$1020
AUCKLAND	FROM \$ 920
NYC/BOS/D.C.	FROM \$298
CHICAGO/KANSAS	FROM \$278

MULTI-STOP

LAX-BALI-HONG KONG-TOKYO-LAX
from \$1099

- LOW COST ONE WAYS
- FLY INTO ONE CITY & RETURN FROM ANOTHER
- EURAIL PASSES / I.D. CARDS
- CALL OR WRITE FOR FREE INFORMATION

THE STUDENT TRAVEL NETWORK

MELROSE 7202 MELROSE AVE. WESTWOOD 914 WESTWOOD BLVD.
934-8722 824-1574

Worldwide STA TRAVEL

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.

Latin American Literature

Major contemporary Latin American periods, movements, and authors, including Jorge Luis Borges, Gabriel Garcia Marquez, and Carlos Fuentes, will be discussed in Lit 180, "20th-Century Latin American Literature in Translation," winter term. The course is designed to acquaint the English-speaking student with the vital and exciting literatures of Spanish-speaking America. Offered MW 2:30-4. Instructor: Jean Graham-Jones.

Equestrian Team

The Cowtech Equestrian Team is still showing horse-related videos every Monday from noon to 1 pm. Join us and see all kinds of fun videos and get lots of good gossip. Bring your own lunch to Rm. 19 Baxter to see our big screen presentations. Questions, comments, etc. call Liz at x4515 or Victoria at x3828.

No Turkey Burgers

The Coffeehouse will be closed on Thursday, November 22, Thanksgiving day. The Coffeehouse will also be closed for LUNCH on Saturday and Sunday, November 24 and 25.

Pasadena Symphony Tickets

The Caltech Y has tickets for this Saturday, November 17, 8:30 pm's performance featuring Hector Berlioz, Overture to "Beatrice et Benedict," John Corigliano, Clarinet Concerto Joaquin Valdepeñas, soloist, and Johannes Brahms, Symphony No. 1. Tickets are \$4 at the Caltech Y.

Feed the Homeless

Sign up at the Caltech Y to help serve food to the homeless in Pasadena's Central Park from 11:00 am to 2:00 pm on Thursday, Nov. 22, 1990. You can make a difference!

L.A. Philharmonic Tickets

The Caltech Y has five FREE tickets for the L.A. Philharmonic performance on Sunday, Dec. 2, 2:30 pm, featuring conductor Kurt Sanderling conducting Haydn's Symphony No. 39 and Mahler's Symphony No. 9. Stop by the Y today!

Toy Bowl

Get ready to cheer on your Beavers as they play the Pasadena Police Association in the Sixth Annual Toy Bowl on Saturday, Dec. 1, 12 noon at the Fox Stanton Stadium.

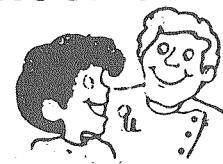
International Cricket Match

Seven-a-side tennis ball Cricket match between Pakistan and India will be held on Saturday, Nov. 17 at 2:00 pm between Baxter and Beckman. The Pakistani team will be led by the Honorable Caliph Syed Hassan Yousaf while the skipper for the Indian side may be Sabreer Bhatia. All Caltech community is invited to witness this battle between the giants.

Gay/Lesbian/Bisexual Discussion

The Gay, Lesbian and Bisexual Discussion Group meets the 1st and 3rd Tuesdays of each month from 7:30-9:30 pm in the Health Center. This confidential meeting is open to all members of the Caltech community. The first hour is devoted to discussion of a specific topic, and the remaining hour is open for general conversation and socializing. Refreshments are served. For information please call 356-8331. On Nov. 20: Speakers from the All Saints AIDS Services Center.

HAPPY HOUR at the dentist?



See Dr. Richard S. Phillips, D.D.S.
1302 North Altadena Drive
Pasadena • 797-6778

New Patient HAPPY HOUR SPECIAL (Tues. & Thurs., 2-6 p.m.)
Cleaning/Exam \$18.00 (reg. \$70.00)

EXPIRES JUNE 1991

•

3 FREE BAGELS

Buy 3 Bagels, Get 3 Bagels FREE



Kosher Pickles
• Turkey
• Pizza Bags
CALTECH

Coupon required. Not valid with any other offer.
EXPIRES 12/7/90

"THE BEST, CHEWIEST BAGELS IN ALL PASADENA!"

Susan Kranwinkle, Food Writer, Star News



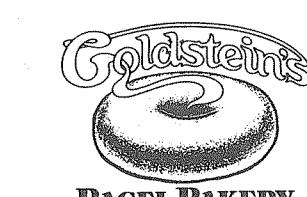
HOURS:
M-Th 7-9
F-Sat. 7-10:30
Sun. 7-5

(818)
79-BAGEL
792-2435

86 W. Colorado, Pasadena



1/2 PRICE ANY SANDWICH



818/356-0380

Coupon required. Not valid with any other offer.
EXPIRES 12/7/90

• Freshly Ground Peanut Butter • Chips • Cookies
• Swiss, Jack & Cheddar Cheese • Lox
• 4 Kinds of Cream Cheese
• CALTECH

TACIT Auditions

Auditions for *Working*, the annual Caltech/JPL musical, will be held Saturday, Nov. 17 and Sunday, Nov. 18 from 12 noon to 6 pm in Rms 25 and 33 of Baxter Hall (the basement). Anyone who is interested in acting, stage crew, orchestra or production should contact Roberta Hart at 405-9741.

ME72 Engineer Design Contest

Thursday, December 6, 1990 at 2:00 PM in Ramo Auditorium. The 6th annual Caltech Engineering Design Contest will be held on December 6, 1990, starting at 2:00 pm in Ramo Auditorium. Spectators are welcome. Admission is free. Professor Erik Antonsson will preside.

At the beginning of the term the students are given a design task, a "bag of junk," and ten weeks to design and fabricate a device. Each year the task is a competitive one. This year, the students' devices will attempt to climb a string faster than their opponent. The double elimination tournament begins at 2:00 pm and lasts about an hour and a half.

Come see the rose parade!

Come see the ROSE PARADE with seats and a continental breakfast provided by the Caltech Women's Glee Club!!!! All you have to do is send us a note and a check made payable to :Caltech Women's Glee club. Or fill out an order form from fliers posted around the campus. We will be there with delicious breakfast! Send order form and check to: WGC-Rose parade, Caltech 2-58, Pasadena, CA 91125. Deadline for ordering is Dec. 20th.

Eat, Drink, And be Merry...

Help the Women's Glee Club earn money! Just go and enjoy a meal at the Green Street Restaurant, 146 S. Shopper's Lane in Pasadena, on Monday, Dec. 3 from 3-9pm, and a portion of their profits will go to the Women's Glee Club.

Latest News on Caltech's Float

There will be plenty of opportunities in December to participate in the decoration of the Caltech float in the 1991 Rose Parade. If you are interested in working on the float, please contact Lenore Freise on campus at extension 2188. The final flowering of the float in the large tent south of the Rose Bowl is scheduled on December 26-30. There will be two shifts each day: 8am-4pm, and 4pm - midnight. On December 31, decorating will begin at 8pm and will last until the float is finished. In addition, there will be three "dry days" for cutting and separating base materials, such as leaves and seeds, on consecutive Saturdays—December 1, 8, and 15—from 8 am to 4 pm. This activity will occur at the Rosemont Pavilion, on the corner of Seco and Rosemont, south of the Rose Bowl. If you need further information or a ride to the float decoration site, please call Mrs. Freise at campus ext 2188 or Hall Daily at ext 6256.

SWE Engineering Competition

SWE Technical Presentation Competition (paper related to engineering). Must be undergrad SWE student member. Winners get free transportation to SWE national student conference. Applications due by March 1, 1991. Interested? Contact Celia Ng, 1-55, 578-9923.

Totem Coming Out Soon

The 1990-91 edition of the *Totem*, the Caltech literary magazine, is tentatively set to be printed at the beginning of second term. More submissions in the form of artwork, poetry and short fiction are encouraged, however. The deadline for these submissions is the last day of classes this term. Please send your submissions to Michael Simpson at Mail Code 1-53 or drop them by room 217 of Page House.



818/356-0380

money

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

The National Space Club will award a \$7,500 scholarship for the academic year 1991-92. The scholarship is in memory of Dr. Robert H. Goddard, America's rocket pioneer. Applicants must be U.S. citizens in at least their junior year and have the intention of pursuing undergraduate or graduate studies in science or engineering. The deadline to apply is January 4, 1991.

The Josephine de Karman Fellowship Trust has announced the availability of ten fellowships of \$6,000 each for 1991-92. The fellowships are available to students entering their senior undergraduate year and graduate students entering the terminal year of graduate school in the fall of 1991. The deadline to apply is January 31, 1991.

The Society for the Advancement of Material and Process Engineering has two undergraduate scholarship awards programs. One program is for the engineering student and the other is for the engineering technology student. Applicants must be full-time students and recommended by their department head or advisor. The deadline to apply is February 1, 1991.

The American Society of Naval Engineers has available scholarship awards of \$2,000 each for the 1991-92 academic year. Undergraduate awards are limited to a student's final one or two years of undergraduate education. Graduate support for studies leading to a master's degree are limited to one year. Applicants must be U.S. citizens and demonstrate a genuine interest in naval engineering. Deadline for application is February 15, 1991.

The Society of Women Engineers (SWE) is pleased to announce their 1991 Spring Scholarship Program. All qualified women engineering students are encouraged to apply. There are several scholarships with different qualifications. The deadline to apply is February 1, 1991.

If you have any questions, please come by the office or call x6280.

Assembly Fellowship Program

The California State Assembly is sponsoring the Jesse Marvin Unruh Assembly Fellowship Program. It is one of the oldest and most prestigious legislative fellowship programs in the nation. Up to eighteen individuals are selected nationwide to spend 11 months in the Assembly as legislative aides and committee consultants. Stop by the Career Development Center, 08 Parsons-Gates, for more information.

Truman Scholarship

The Harry S. Truman Scholarship Foundation awards scholarships to juniors who have outstanding leadership potential and intend to pursue careers in public service.

If interested please stop by the Dean of Students Office, 102 Parsons-Gates, for more information. Deadline is December 1, 1990.

Adversity Scholarship

The Financial Aid Office announces the establishment of a new scholarship that recognizes students who have overcome severe personal adversity/misfortune. Interested students should submit a 1-2 page autobiographical statement describing their individual circumstances. In addition, two corroborative letters from persons familiar with the student and the circumstances involved are requested. The scholarship is open to sophomores, juniors and seniors who are U.S. citizens or permanent residents and who will apply for or have received financial aid for the 1990-91 academic year. If the student is a recipient of financial aid, this scholarship will reduce the loan and/or work-study portion(s) of his/her 1990-91 financial aid award. The deadline to submit the autobiographical statement and letters of recommendation to the Financial Aid Office is 5:00 pm, Friday, November 30.

sports

Women's Volleyball Closes Winning Season

by Christy Esau

This year a women's undergraduate volleyball team was established in yet another first for Caltech's athletic department. Although not a member of SCIAC, the team has been practicing and playing in a GSC "B" league since mid-October under coach Karen Nilsen.

The team is young and inexperienced, with seven freshmen, two sophomores, and a junior, four of whom have never played competitive volleyball before. Freshmen Jennifer Tritschuh, Debbie Martin, and Esther Shao help out on defense, and Christy Esau has filled in as a setter. Maha Zewail has shown great promise as a hitter, and Jill Bush provides the height on the team. Katie Coughlin, a setter and a strong hitter has unfortunately been out the past few weeks with an injury. Sophomore Jen Yu and junior Em Naranjo have been strong on defense and two of the team's best hitters. Sophomore Taletha Derrington is both a setter and the top hitter.

In spite of inexperience, the undergrads are playing well in the GSC league, with a 4-1 record. In addition, they were invited to accompany the club team to Cal Maritime in Vallejo to play an exhibition match against a young Cal Maritime team, which they won handily. It was almost as exciting as messing around in San Francisco after the game. This is

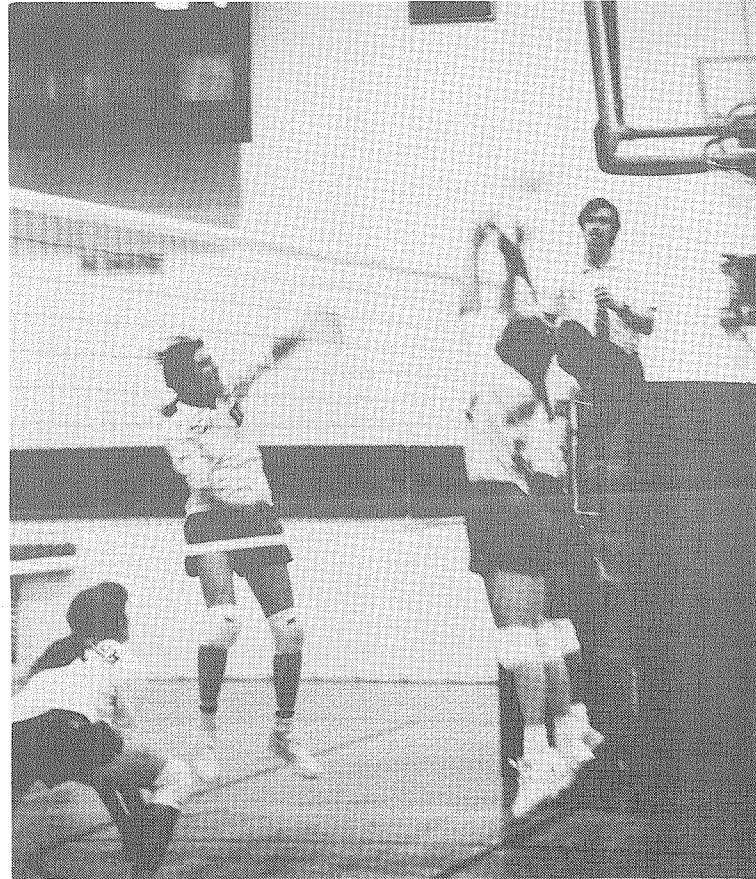


photo by Michelle Tseng

a building year for the team, but they hope to eventually play inter-collegiately. It is unclear at this time just when that might happen, but two years is a realistic estimate.

The Undergrads' last GSC game will be Wednesday, November 28 at 7:30 against the Soft Underbellies, which is composed of several of the club team's players, and it should be a great game. Come cheer on the undergrads (we could use the support!) and see how volleyball should be played.

ber 28 at 7:30 against the Soft Underbellies, which is composed of several of the club team's players, and it should be a great game. Come cheer on the undergrads (we could use the support!) and see how volleyball should be played.

South intends to finesse the ♦J and will be home free—he wins any return, exits ace and another spade and claims.

While South was thinking, East saw his hand. Declarer did not hold his cards up enough so East knew drastic action was necessary. On the lead of the spade from the board, East played his Queen! Now South must win the ♠A at once or else East will set the contract. If Declarer exits with a low spade immediately, he will be doomed. East will knock out the diamond and West will cash the ♦Q before South can pitch his ♦J. Declarer calmly played the ♠J! West must have the ♠K for his 2♦ call so South does not take a bath for his slip.

However, some parts of the game of bridge have been with it since its inception. In Bath, England long before bridge was invented, whist players used the Bath Coup, which means holding up the play of the ace when the jack is held in the same suit. We can see this in today's hand; when East signals a doubleton with the ♦8 and South holds up his ♦A, if West continues the diamond suit with either a low or a high diamond, he gives away the contract.

South is not out of the woods yet. This is not Bath, and West heard the bidding so he switches to the ♠Q. Declarer pauses for a moment to think: if East gets the lead before trumps are drawn, he will lead the ♦3 and kill the contract. East is dangerous and must be kept off lead. So the ♠A is called from the dummy followed by a trump.

by Jeff Koshi

The Caltech women's club volleyball team finished off their season Nov. 3 in an exciting win against Mount St. Mary's College. Winning in straight games, the team brought their record to 9-6-1 for the year.

Led by coach Laurianne Williams and team captain Courtney Smith, the team pulled together from a disappointing start, playing some excellent volleyball in the second half of the season. Everything seemed to fall into place, and the team went 6-0-1 in their last 7 matches.

Setter/hitters Laurianne Williams, Julia Yang-Snyder, Megan Donahue, and Linda Rowan demonstrated their adept touch, while outside hitters Katie Coughlin, Taletha Derrington, Carey Gazzis, Julie Moses, and Courtney Smith pounded on the opposition. Back-row specialists Jen Yu and Debbie Martin played their part, too.

It was at the Cal Maritime Invitational in Oakland that the women seemed to find their spirit. Winning three matches and tying one, the team played tough

throughout the entire tournament, and at the end found themselves the winners. In addition, Linda Rowan, displaying her perfect setting and powerful hitting, was declared the MVP of the tournament.

Returning from Cal Maritime, the team was definitely flying high. Their next two matches were tough, but the Caltech women refused to give up. Playing two teams that they had lost to earlier in the season, Loma Linda University and Christian Heritage, the team administered some revenge. Against Loma Linda, the game was close to the end: 15-8, 12-15, 15-9, 14-16, and 16-14. Later, an unidentified team member claimed they were only trying to keep the game interesting for the home crowd....

Regrettably, several players were injured in the latter half of the season. Katie Coughlin was sidelined at Cal Maritime with a twisted ankle, and Courtney Smith went down with the same injury at the Christian Heritage match. But the club team hung on and finished out the season at Mount St. Mary's, to close the first winning season in recent memory.

Soccer Says Thanks

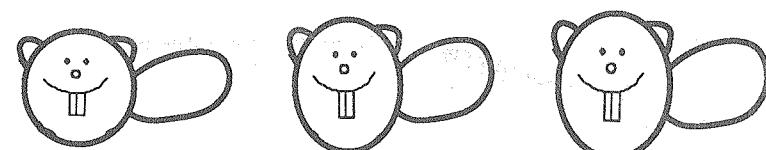
THANK YOU!

As most of you probably already know, last month the Caltech Soccer Club won a local tournament against UC Riverside, Pepperdine U., and Cal State Long Beach, and, thereby, qualified to participate in the National Collegiate Club Soccer Association Championship in Austin, Texas, on November 16-18, 1990.

In order to cover some of the expenses in this trip, financial help was sought from different organizations on campus and at JPL, including the Graduate Office, the Athletics Department, GSC, the Caltech Y, Burger Continental / Caltech Food Service, and JPL ERC. We are pleased to announce that this fund raising activity helped us collect \$1792!

Also, a raffle was organized, and ticket sales generated a net profit of \$1334. We would like to mention that the raffle would not have been fruitful without prize donations from The Athenaeum, Burger Continental, The Red Door Cafe, Carl's Sports and Tennis, The Haircutters, the Ticket Office, Caltech Graphic Arts, Caltech Bookstore, and CCO. Also, we would like to thank Dr. H. Horning and Mr. P. Noca for their generous contributions.

Finally, we would like to express our gratitude to those who participated either directly or indirectly in the effort of sending the Caltech Soccer Club to nationals. The story of our expedition will be narrated in a later issue of the California Tech. Stay tuned!



GRE LSAT GMAT GRE
LSAT GRE LSAT GRE LSAT
GRE LSAT GRE LSAT GRE LSAT
WE WANT TO TAKE YOU HIGHER.
GRE LSAT GMAT GRE LSAT

When you walk in to take your graduate level exam, you want to be armed and dangerous. Let College Bound give you all the ammo you need. Our preparation classes can raise your score as much as 30% or more. And that's just one part of our complete program. We also offer Grad School Counseling—a service that helps you target and win entrance to the right grad school for you.



JANET RONKIN'S
COLLEGE BOUND

BRENTWOOD 213-312-4900
IRVINE 714-857-3600
MISSION VIEJO 714-768-3600
PALOS VERDES 213-544-1700

SAN MARINO 818-308-0012
WOODLAND HILLS 818-884-1166
YORBA LINDA 714-572-0123
OTHER LOCATIONS: 1-800-2-TEST-HI

North East South West
Pass Pass 1♦ 2♦
2♦ Pass 2NT* Pass
3♥ Pass 3♦ Pass
4♥ Pass 4♦ Pass
* Game try showing balanced hand and scattered values
Opening lead: K♦

Some things change in bridge while others stay the same. The game in which this hand was played at the Red Door Cafe on Monday was a stratified game. In a stratified game, novices play against experienced players as well as other novices. If they beat everyone, they win the overall award. However, if experienced players

FREE DELIVERY 'till 10:30 PM Mon.-Thurs.
'till 12 midnight Fri.-Sat.



Caltech Student Special
14" Pizza with 2 toppings
\$8.99 or two for \$17.49

10% CIT Discount after 9pm
577-9936
26 N. Los Robles

sports

Cross Country Finishes Season

by Chris Campo

San Dimas: home of Raging Waters; home to Bill and Ted; and, more importantly, home to Bonelli Park, the site of the NCAA Division III Cross Country West Regionals.

In the sport of Cross Country, the lower a team's score is, the better that team places. Caltech's score on Saturday, November 10, was 169. This did put the Battlin' Beavers ahead of Menlo College (198), Cal State San Bernardino (201), and La Verne (incomplete team). It also unfortunately put these same Beavers behind Occidental (23), UC San Diego (86), Whittier (94), Pomona-Pitzer (113), Redlands (117), and Claremont-Mudd-Scripps (126).

The course was eight kilometers (about five miles) of dusty hills, searing stretches of asphalt, and a soft, sandy beach. Temperatures were high and so were the times. Aaron Matzner was unsuccessful in his bid for a National Qualifying time, but finished first for the Beavers with a time of 28 minutes flat.

Aaron has been plagued with upper leg muscle soreness and with a masochistic course load, both of which have taken their toll on the 3-2 transfer from Whitman College. Aaron, in spite of the heat,

workload, and muscle soreness, finished 17th in a field of 63 runners.

Dan "Terminator" Flees finished quite respectably in 28:24, only 24 seconds behind his teammate Aaron. The Terminator was not completely satisfied with his 25th place finish. "I crushed some of the guys who beat me today last year," the junior year runner remarked. He'll be returning next year to shoot for a national qualifying spot.

Finishing 39th and 41st places respectively were seniors Scott Kister and Chris Campo. The pair ran together throughout the race, finishing 13 seconds apart. Kister (29:47) remarked "I felt tired the whole way out there... It wasn't one of my better days."

Newcomer to the team Andy Zug was next for the Beavers, finishing in 30:59. When asked what he thought of the Bonelli course, he replied, "Hills Suck!"

The sixth man for the Beavers was Mark Lytle. Lytle, who did not sport his customary ponytail, finished in 32:07, good for 54th place. "I think this race finally taught me that going out fast early in the race is not a good thing," reflected a pensice Lytle after the meet.

The seventh man for Tech,

finishing in 33:01 at 56th place was Win Chamberlain. Chamberlain, a sophomore, will be back to battle for the Beaver's next year.

Coach Jim O'Brien said of the men's performance, "I think our performance was a positive thing. Given the conditions I don't think there's any way we could have done better than we did."

Although the Beavers were able to field what was perhaps the strongest team in the past four years at Caltech, 1990 was unfortunately the year in which the SCIAC conference as a whole has become the strongest it has been in recent years.

Now for some Beaver Trivia:

1. Member of the team who most resembles a Beaver: Mark Lytle.
2. Member of the team who still sport a Beaver costume of the Caltech Rose Bowl float: Amy Hansen.
3. Member of the team with the most rad Beaver paraphernalia: Kurt Storm and his stuffed beaver hat with a flop-down tail.
4. Name for victims of the Caltech Cross Country team: Beaver Bait.
5. Lines to the Caltech Cross Country chant, recited prior to the start of races: "Beavers, Beavers slap your tails (clap, clap, clap) slap your tails (clap, clap, clap)!"



Craig went by me like a blur.

Caltech Biathlon

by Chris Campo

This Sunday the First Annual Caltech Biathlon will be held at the Rose Bowl at 10 am. The biathlon will consist of a three mile run, followed by an eighteen mile bike portion, and will finish with another three mile run.

Anyone interested in participating is welcome. The level of competition is not fierce, and we will mainly be out there to have fun. After the race there will be free food, and run-bike-run splits will be available along with finishing times to all finishers.

If you are interested in participating, you can leave a message on Scott Kister's answering machine at 796-3220, or you can just show up to the parking lot on the southwest portion of the Rose Bowl loop before 10 AM on Sunday. For more information call Chris Campo at 449-4626.

We are looking for as many people to participate as possible, including any grad students, faculty, or JPLers who wish to come. Relay teams of a runner and a biker are also welcome. If you are a runner or a biker and don't have a relay partner, call us up and we'll provide you with one.

Show up to find out:

1. Will Craig beat the relays this time?
2. Will Chris shave his legs to go faster?
3. Who will have their head shaved: Ned or John?
4. Will Zug stomp on everybody but Craig?
5. Will anybody come?



photo by Keith Akama

WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Sat.	11-10	Football	Australian National Team	42-0
Sat.	11-10	Cross Country	NCAA Western Regionals	Men 7th out of 10 teams, Women 8th out of 11 teams
Sat.	11-10	Basketball (Varsity)	Alumni	57-61
Sat.	11-10	Basketball (JV)	Alumni	38-50

WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	11-16	TBA	Basketball (JV)	JV Tournament	Pomona-Pitzer
Sat.	11-17	TBA	Basketball (JV)	JV Tournament	Pomona-Pitzer
Sat.	11-17	1:30 pm	Football	L.A. Outlaws	Caltech
Sun.	11-18	12:30 am	Ice Hockey	UCLA #2	Culver City
Sun.	11-18	TBA	Basketball (JV)	JV Tournament	Occidental
Sun.	11-18	9:00 am	Fencing	Cal State Long Beach, Oxy	Cal State Long Beach
Sun.	11-18	11:30 am	Ice Hockey	U.C. Davis	Pasadena Ice Center
Sun.	11-18	1:00 pm	Fencing	UCLA, Cal State Fullerton	Cal State Long Beach
Sun.	11-18	6:00 pm	Basketball	West Coast Christian	Caltech
Tue.	11-20	7:30 pm	Basketball (V)	Pacific Coast Baptist	Caltech
Fri.	11-23	TBA	Basketball (V)	Hi-Tech Tournament	Caltech
Sat.	11-24	TBA	Basketball (V)	Hi-Tech Tournament	Caltech
Fri.	11-30	TBA	Basketball (V)	Santa Cruz Invitational	Santa Cruz
Sat.	12-1	TBA	Basketball (V)	Santa Cruz Invitational	Santa Cruz
Sat.	12-1	12:00 noon	Football	Pasadena Police "Toy Bowl"	Caltech
Sun.	12-2	11:30 am	Ice Hockey	San Diego State	Pasadena



PARIAN TRAVEL
Caltech Officially Approved

Most professional, courteous, economical and efficient service for your official and personal travel needs.

Free service to you.

Airlines, Cruises, Tours, Hotels, Car Rentals.

Individual, Commercial, Groups.

(818) 577-8200

468 S. Sierra Madre Boulevard, Pasadena

Rag Time on Green
RESALE CLOTHING for WOMEN
1136 E. Green St. • Pasadena (818) 796-9924
Wed 10-6 • Mon-Tue-Thu-Fri 10-5 • Sat 10-3

THE CALIFORNIA TECH
40-58 SAC CALTECH
Pasadena, California 91125