

Undergraduates Awarded Prizes for Research, Excellence

Barbara Greene

- The George W. Green Prize,
- The Haagen-Smit Award,
- The Jack E. Froehlich Award,
- The Sigma Xi Award

The Green, Froehlich, Haagen-Smit and Sigma Xi Awards will be presented on May 29, 1992 at a luncheon in The Athenaeum. William Niel Brandt, Senior in Physics and Jon Pelletier, Junior in Physics and Applied Math, received the George W. Green Prize for their creative research. The Jack E. Froehlich Memorial Award is for outstanding Juniors in the top 5% of the class. Tarun Kapoor was selected this year. Francis Chong won the Arie J. Haagen-Smit Memorial Award, which is given to a chemist or biologist who has shown academic promise and has made recog-

nized contributions to Caltech. The Sigma Xi Award is given to a senior selected for an original piece of scientific research. This year Tracy Fu won for his major contributions to the understanding of molecular beam epitaxy (MBE) by developing a technique for capturing *in situ* growth information with Professor Tom McGill.

• Frederick J. Zeigler Award

Nitya Kitchloo and Russina V. Sgoureva have been chosen as this year's winners of the Frederick J.

Zeigler Memorial Award. Nitya is a junior majoring in mathematics and physics, and Russina is a sophomore majoring in applied mathematics.

This award was established in 1989 to honor Frederick J. Zeigler, a member of the class 1976 and an applied mathematics major. The award is given to a pure or applied mathematics student in their sophomore or junior year who has shown excellence in scholarship as demonstrated in class activities or in preparation of an original paper of essay in any subject area.

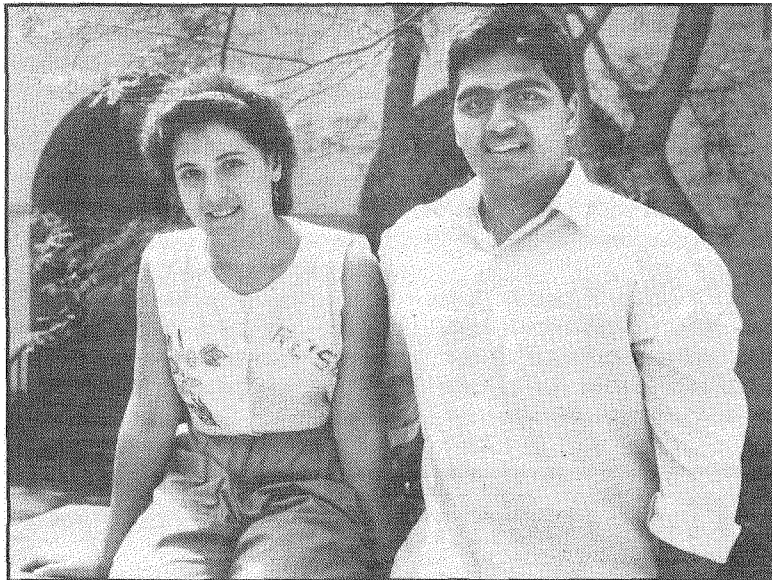


Photo by Robert Paz.

Russina Sgoureva, sophomore in applied mathematics, and Nitya Kitchloo, a junior in mathematics, winners of this year's Frederick J. Zeigler Award.

Ho Wins Churchill Scholarship

Barbara C. Green

Christopher Ho is among ten outstanding university undergraduates nationwide to receive the prestigious Winston Churchill Scholarship to pursue graduate study at Cambridge University during the 1992-1993 academic year. Chris is the first Caltech undergrad to receive this award since 1981.

He will receive tuition and fees at Churchill College, Cambridge, as well as a living allowance and travel grant. The total value of the scholarship is between \$18,000 and \$20,000 depending on the exchange rate.

The Churchill Scholarships are awarded by the Winston Churchill Foundation of the United States which encourages the sharing of ideas in the sciences and technology between the United States and Great Britain. Students are selected for the scholarship on the basis of academic achievement, Graduate Record Examination scores, capacity for creative work, and character, adaptability, and concern for the problems of society.

Damage Update

How last week's violence affected the city of Pasadena

Matt Metz

Violence offshooting from public frustration with the acquittal of officers involved in beating Rodney King was felt in Pasadena last week. Trouble began on the evening of Wednesday, April 29, after the verdict of the King trial was released. In Old Town Pasadena four shootings occurred. Old Town and the Plaza Pasadena were both hit by incidents of vandalism. Eddie's Market on N. Michigan Ave. had its windows broken, and some produce was destroyed.

The trouble continued on Thursday, as smoke filled the air from about 3,000 fires that were started during this time in the L. A. area. The Gap on S. Lake Ave. was broken into and had some merchandise stolen that afternoon. Circuit City on N. Rosemead Bl. had its front windows smashed, but nothing was stolen. At about 8:45 an occurrence of arson happened on Allen and Villa Street that burned down six small businesses.

Response to the trouble was well organized in Pasadena by Thursday. The police department insti-

tuted a 7:30 curfew. On campus there was a 9:30 curfew. Some merchants, such as Pavillions, boarded over their windows in order to be less vulnerable. The local television station, K-PAS set up a rumor hotline to keep concerns from escalating to hysteria. The hotline went into operation Friday.

The most popular rumors circulating in the community were that there were murders in Plaza Pasadena, Plaza Pasadena burnt down, and that Rev. Jesse Jackson was going to hold a rally in Pasadena. Some popular rumors among Caltech students were that Circuit City was actually looted and burned, and that Pavillions was burned down.

The subject of last weeks events is something the community does not now seem willing to acknowledge. The fire department would not disclose any information on fires that occurred in the area. Management of The Gap will not discuss any of the damage received by their store in Pasadena. Officials at the police department were consistently unavailable to give facts about crimes last week.

Boffo Bonecrusher IX

Amitabh Mehra

For the final time this year, the ultimate broomball tournament is back. If you weren't able to sign up a team for this one, that's gotta suck, buddy. There won't be another broomball tournament until next year. The tournament starts Saturday night at 11:00 a.m.

Teams

1. Damn Scurves
2. Cocktostengensens
3. Sophomore Crew of Cusswords
4. Team Whatever
5. Larger than a Truck
6. Lame Juniors
7. Not Brains
8. Not Bolts
9. French Kissing
10. Team Moosebreath

Schedule

Teams	Time
4 x 8	11:00 - 11:20
9 x 7	11:25 - 11:45
8 x 5	11:50 - 12:10
7 x 4	12:15 - 12:35
6 x 2	12:40 - 1:00
3 x 10	1:05 - 1:25
1 x 9	1:30 - 1:50
2 x 3	1:55 - 2:15
10 x 6	2:20 - 2:40
5 x 1	2:45 - 3:05

Teams make the playoffs based on four criteria, ranked in the following order:

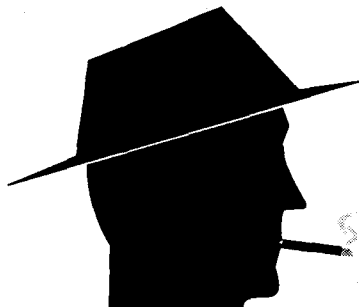
1. Record
2. Goal Differential
3. Style Points
4. Rock, Paper, Scissors done by Amit and Sam

Rules

7 players on the ice at once per team, one goalie, players may only play on one team without the permission of Amit or Sam, free substitutions, no checking. Goalies may not clear the ball past the blue line without hitting a teammate or the wall. Each team should pick a full rules sheet from Amit or Sam before they begin play. Amit and Sam will deduct or add style points for rules violations and exceptional play. Playoffs will pair the #1 team versus #4, and #2 versus #3, with the winners meeting in the championship. Refreshments will be provided. We encourage people to attend, as this is actually a pretty cool spectator sport as well as an awesome competition. Good luck to all the teams involved.

Crime & Incident Beat

Rajan Ranga



4/23 The victim left his bicycle between Jorgensen and Steele between 2 PM and 5 PM. During this time, someone stole the bicycle seat and the seat post. Value: \$16

4/26 Between 1:24 AM and 4:30 AM there were several fires. At 1:24 the bulletin board at the west end of the Olive Walk was reported

burning. At 1:35 a trash can was reported burning between Keck and Steele. At 1:40 a security officer found a dumpster had been moved to the middle of the driveway north of Chandler and was fully engulfed in flames. A pile of papers was found burning on the west steps of the Athenaeum. A melted grocery cart was found in the Milikan pond.

4/28 At 9 PM a witness reported that a suspicious person was wandering through Fleming house asking for a light for his cigarette. Security made a search of the area but couldn't find the suspect.

4/29 At 2:17 PM a suspect was observed placing fliers on the windshields of vehicles parked in the North Lura parking lot. The suspect was advised by security to removed the fliers. He complied and then was escorted off campus by security. Total Value: \$16

Inside this week's

CALIFORNIA
TECH

IHC Minutes	2
ASCIT Minutes	2
Y News	2
GSC Softball	3
SCIAC Preliminaries	3
What Goes On	4
Square Root of 36	6
The Day of the Month	8
Days in May	31
Anything divided by 0	∞

Bridge
Without

page 5

Caltech
Responds
to the Verdict

page 2

Seniors
Only

page 6

IHC Minutes

Karen Ross

Present: Kate (Bl), Alf (Da), Joanna (Ri), Rich (Fl), Rob (Li), Paquito (Pa), Ed (Ru), Keith, Ben, Lanny Boswell, and me.

The meeting began at 9 pm.

Keith from Ruddock discussed Discobolus eligibility rules. There is a person who is member of both Page and Ruddock who wants to play Discobolus sports for Ruddock. So far this term, he has not played for either House. The IHC decided it was OK provided he does not play for any House except Ruddock for the rest of the term. Keith left at 9:07 pm.

Censorship of the Inside Worlds was discussed briefly.

Frosh numbers: 225 frosh are expected in September. There are 15 additional people who have extensions on the decision. Any of these 15 people who eventually accept will probably be compensated for by people who cancel, so 225 is a good estimate. Assuming 33 3-2's and 7 other transfers like last year, there will be 265 incoming students next year. If all 3-2's and transfers are placed in affiliated housing, the

incoming students will be distributed as follows: Blacker: 32, Dabney: 26, Fleming: 40, Lloyd: 38, Page: 45, Ricketts: 34, Ruddock: 50. The number of people getting kicked off squared in each House is: Blacker: 22, Dabney: 28, Fleming: 21, Lloyd: 28, Page: 19, Ricketts: 23, Ruddock: 15. These numbers may be revised downward when the policy for housing transfers and 3-2's is set. Lanny advised all the presidents to keep an updated waiting list for on-campus spaces so that spaces can be filled quickly when they open up during the summer.

Upcoming events: Eddie Grado will be invited to the meeting Thursday, May 7 to discuss minority housing, Nancy Carlton will be invited to the meeting Thursday, May 14 to discuss the pet policy, and people will be selected for faculty/student committees (e.g. UASH) the week of May 21.

Signups for faculty/student committees are now posted by the MOSH/DRL's office. Sign up!

The meeting ended at 10:20 pm.

ASCIT BoD Minutes

Korhan Gürkan

Present are the BOD, Eric Stout, Bryce, Delwyn, Stu Wagner, Walker Aumann, Gavin Claypool. **Appointed Offices:** Signups for Big T Editor and Coffeehouse Users Group Reps are still open. If you are interested, sign up. The interviews for some offices were held tonight and the BOD appointed the following: (Congrats!) Big T Business Manager - Ingrid Choong, Little T Business Manager - Jill Soha, Little T Editors - Laurent Stadler & Paul Miniero, Publications Darkroom Chairman - Rajan Ranga

The ASCIT Formal is on May 8, 1992 (this Friday). 40 couples have already paid. Approximately 60 couples are going to the formal this year.

The ASCIT Tanning Invitational will be on May 16 at 150 S. Chester. Joe Jensen picks up the ASCIT check. They now have a noise permit so, any bands that want to play can play.

KELROF: Delwyn requests funding for KELROF, which will be on May 30-31. They need money for food, tent rental and for the trainer. Three teams have already signed up. The BOD decides to give them \$5 per person with a minimum of \$100 and maximum of \$200 (7-0-0).

Club Ricketts: Ricketts House wants \$300 for Club Ricketts because the house cannot fund it and they could not find any co-sponsors. The BOD leaves the decision to

Derek since the money will be coming out of his budget.

ASCIT Movies: Fru is kind enough to submit ASCIT Movies' first five-week report. It looks like they will be making money this term but, they were expected to, since this term is supposed to be a good term. (Surprisingly, Fru leaves the meeting after staying for about five minutes.)

Phone System: Walker Aumann brings the proposal for an undergraduate phone system. They need \$1000 to build a prototype. The BOD supports the proposal but, needs more detailed information to provide funding.

Women's Club Soccer: Bryce mentions that Women's Club Soccer wants to be approbationary varsity sport. The BOD approves (8-0-0).

Athletic Awards: The Athletic Department wants to make some changes to Resolution VIII - Athletic Awards which details the criteria for awarding letters in various intercollegiate sports. The BOD approves the following (7-0-1): Baseball - Must play in at least 1/3 of total innings. Players receive double credit for innings pitched. Tennis - Must play as a top 6 singles or a top 3 doubles team participant in at least 1/2 of all matches. Illness, injury, or participation on an overlapping intercollegiate team which prevents an athlete from attaining the required number points or playing time may be taken into consideration when recommending athletes for the Varsity Award.

Y NEWS

Philip Cofield

What's new at the Y? Well, not much; we're still supplying the same old service, cultural, and fun activities as always. OK, maybe there are one or two new things: here comes the weekly list of upcoming events.

In the volunteering sector, we're still going to Tijuana, gosh darn it. A little closer to home, the Y is actively helping in the clean-up and rebuilding of LA. We are collecting food and supplies for distribution, and we're even distributing them. Volunteer trips to help needy people in South Central are taking place this afternoon and again tomorrow morning.

To increase cultural awareness, the Y is sponsoring a noon concert today in front of Winnett. Bring your lunch, and let Dionysus entertain you. The big event next week is International Day coming on Friday. There will be lots of groups dying to tell you about their cultures and stuff you full of international cuisine. We also still have tickets left for some events although we're sold out of others. If you want to know what's left, you'll just have to stop by yourself.

Broomball is tomorrow. Stop by the Ice Rink and cheer on your favorite teams. Next Wednesday comes the First Annual Whiffle Ball Championship of the entire Caltech community. Sign up alone or with a team of three.

If you want more info on any Y stuff, stop by the second floor of Winnett or call x6163.

12th Annual Bandorama

Bill Bing

The 12th annual BANDORAMA will take place this coming Thursday, May 14, at 8:00 PM in Beckman Auditorium. This is a free concert, and will feature the Caltech-Occidental Wind Ensemble and the Caltech Jazz Bands, directed by William Bing. Featured guest artists will be Allan Vogel, who is the principal oboist with the Los Angeles Chamber Orchestra, and

Angie Whitney, jazz vocalist. Paul Asimow, a graduate student in Geology, will guest conduct. The wind ensemble will perform music from the opera *Carmen* by Bizet, and the jazz bands will feature the music of Duke Ellington. There will be a reception (with cookies) following the concert where you can tell the performers, your fellow students, how much you liked the concert. Remember, it's free, it's fun, and it's legal.

The Tech meets every Friday at 12:15 p.m. in the Coffeehouse. Send E-mail submissions to editors@tech.caltech.edu

LAEMMILE THEATRES

ESQUIRE

2670 E. Colorado Blvd.
(818) 793-6149

Raise the Red Lantern

Daily 6:30, 9:15 p.m.
Sat-Sun Matinees 12:30, 3:30 p.m.

COLORADO

2588 E. Colorado Blvd.
(818) 796-9704

E. M. Forster's Howards End

Daily 4:00, 7:00, 9:45 p.m.
Sat-Sun Matinee 1:00 p.m.

THE CALIFORNIA TECH

Volume XCIII • Number 26
May 8, 1992

EDITORS

Rajesh "Q" Bilimoria
Michael Oder
Christopher Orth

CRIME BEAT EDITOR & PHOTOGRAPHER
Rajan Ranga

WRITERS

Jill Bush
Jim Caron
Christopher Dunn
Matt Metz

BUSINESS MANAGER
Khurram Dastgir-Khan

CIRCULATION
John Grade
Jennifer Wright

THE CALIFORNIA TECH
Caltech • 40-58 SAC
1201 East California Boulevard
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 on Macintosh 3.5 inch disk) to the Tech mailbox outside SAC room 40. E-Mail may be sent to editors@tech.caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5pm.

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$10 per year to cover third-class postage and preparation costs.

Printed by News-Type Service, Glendale.
ISSN 0008-1582

Baxter L.H.--May 8--7:30 & 10:00
\$1.50 Ascit--\$2.00 non-Ascit



Before Bill and Ted, there were Bob and Doug.

FRIDAY NIGHT ASCIT MOVIE



MANDARIN CUISINE AND SEAFOOD

LUNCH SPECIAL

Choice of 13 entrees
11:30 a.m.-3 p.m. from 4²⁵

EARLY BIRD DINNER SPECIAL

Choose from 13 items
3-7 p.m. DAILY ONLY 5⁷⁵

CLASSIC DINNERS

Sunday-Thursday 3-10 p.m.
Friday-Saturday 3-10:30 p.m.

Between Altadena Dr. & Sierra Madre Blvd.

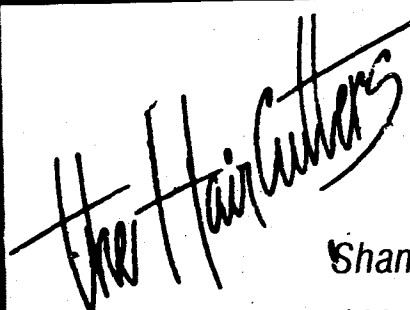
Two-Star Award Winner

by the Southern California
Restaurants Association

2475 EAST COLORADO BLVD., PASADENA

FOR RESERVATIONS: (818) 449-8018

Open 7 Days • Cocktail Lounge • Food To Go Orders Welcome • Free Parking in Rear



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, 1992

FOR THE WEEK OF MAY 8, 1992

THE INSIDE WORLD

THE TECH

ITS SORE WHISTLED CLAMPS, COULD TO POSSIBLY IMAGINE!!!

Inside World Policy:
All Inside Worlds must include the author's name. Inside Worlds can only be written by current undergraduates. The editors reserve the right to edit any or all parts of an Inside World. No libelous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it libelous. Please submit a 3.5 inch Macintosh Disk by 8:00 PM Wednesday.

This Week's **Inside World** was written by:
Ricketts: Paul San Clemente
Blacker: Zack Berger & Matt Clapp
Dabney: Mike Benedetti & Chris Dupuis

						3 rd	2 nd	1 st
Blacker	0	0	0	0	4	4	5	3
Dabney	7	0	0	0	7	14	13	12
Fleming	4	0	0	6	0	10	5	17
Lloyd	0	0	0	0	0	0	3	11
Page	0	0	0	0	0	0	6	10
Ricketts	5	0	5	7	5	22	13	8
Ruddock	0	0	4	5	0	9	11	9

Today in the Inside World:

Look at society in a whole new way—through the lens of Butt-noire™ in *Buttman*. The latest release from industrial zydeco group Stale Urine; and a limerick. But first,

The “String Theory” Unification of the Forces

Gravity is a string bass.
Electromagnetism is a cello.
The Weak Nuclear Force is a viola.
The Strong Nuclear Force is a violin.

However, new data have shown that this theory must be modified to allow for the archetectural singularity of Millikan Library. Thus:

Gravity is John Lennon.
Electromagnetism is Paul McCartney.
The Weak Force is George Harrison.
The Strong Force is Ringo Starr.
What more needs to be said?

“Uh, no, I’m not Buttman™, but I know where you can find him...” Dale watched the man carefully. He seemed to be telling the truth.

“All right,” Dale said, “so where is he?”
“First, what do you want with him?”

“Let’s just say the Wide Wonder and I have a little disagreement over who runs this town. Me and Gene—” he motioned to a boulder-like man standing beside him “—want to arrange some sort of compromise.”

“I’m told he frequents the 5th Street McDonalds, incognito.”

“Excellent. You won’t be telling anyone about our plans for the Buttster, will you?”
“Uh, no.”

“Of course not.” Gene slammed his fist into the man’s face, driving his head into the wall. The man’s skull was crushed, making a sound like a mechanical pencil hitting a 757 jet.

Yun Kim sat in a corner of the McDonalds, brooding. Why does a McDLT take so long to make? he wondered.

“Excuse me, sir.” Yun looked up to see a poorly dressed man standing next to his table. “Could you spare me some money? I have seizures, and they get pretty bad when it’s rainy like this, and—”

“What did you say?” Yun queried, standing up. The man’s jaw dropped. His eyes were fixed in wonder on Yun’s hard, shapely buttocks.

“Uh...” was all the man could manage to say. He had never seen anything so beautiful!

“That’s what I thought,” mumbled Yun, sitting down. The man walked off in a daze. Yun went back to brooding.

His reverie was broken by the arrival of Dale and Gene. They walked over to his area of the restaurant. “Excuse me,” Dale said, “but we’re going to make an announcement. Hope we don’t disturb your lunch.”

“Whatever.”
Dale cleared his throat. “All right,” he shouted. The dining area became quiet. “We want to talk to Buttman™, pronto.” No one moved. “I said now!”

“I don’t think he’s here,” siad an older gentleman. “Sorry.”

“Sorry? I know he’s in here somewhere, and I want to talk to him. NOW!” A young boy began to cry. “Okay, no more playing around. If he doesn’t show himself in the next ten seconds, I start shooting.” Dale pulled out a huge revolver and began to twirl it about. Gene then proceeded to toss him other guns and knives and grenades and implements of destruction, which Dale juggled with immense grace and skill. Gene slammed his hand down on Yun’s table, breaking it in two.

“Uh, sir?” Yun spoke. “I know where Buttman™, the Maximus of Gluteus, can be found.”

“Really? Where?”

Following are the minutes of the Blacker Hovse meeting on 27 April.

Secretary George Richard Benzinger III opened the meeting with a sickly smile and a discussion of the agenda. Following a heated debate over sticking carrots up Kim West's nose, Rich brought up the subject of next year's freshmen housing. He proposed the following rule:

Doubles picked by upperclassmen with nice hairdos during
the fall pick may be picked by sophomores as singles during
the rotation pick, but only if the sophomore(s) involved
enjoys dancing. Furthermore, the Secretary must be named
"Rich."

The point was raised that not all sophomores (currently freshmen) enjoyed dancing, and that in high school these sophomores (then seniors) never got asked to dance by anybody, even for prom, and this left scars. Permanent scars. Regarding the secretarial nomenclature "Rich," Secretary Benzinger offered the suggestion that the titles of "Generalissimo," "El Supremo," and "Big Daddy" be possible alternatives. The suggestion was put to a vote, with the tally given below:

Generalissimo George Richard Benzinger III.....1
Motion carried.

The next item on the agenda concerned room picks at Hovse O' Da Munth. It was decided that Munth is a bitchin' place to

party and should stay that way. A roaring drunkfest followed, with some suggesting that it "tasted great" and others that it was "less filling."

"Less filling" prevailed. No triples at Hovse O' Da Munth.

President-for-Life Katy Quinn remarked that Rich was a power-hungry demagogue. Rich opined that he was just a "cold-blooded bastard," and added that Katy should stick to official affairs. Katy dealt Rich a glancing blow to the head and continued with the next topic on the agenda.

The so-called "no-screwover policy" was met with fierce opposition by the roaring drunkfest remnants until it was pointed out to them that the rule referred to fall room picks and not to the incoming freshmen. Nye Liu commented that "if there are dicks, then there are dicks," an observation which was met with nods of approval and a knowing laugh or two.

IHC Head Honcho Ben Smith revealed that an Administration official of undisclosed identity had suggested the following plan to resolve the housing crunch: Hovse O' Da Munth would be parceled into unaffiliated off-campus spaces. To make up for Blacker's loss of off-campus space, it would be provided with two full-size railroad cars, with neat red and blue stripes. After a discussion sparkling with oratorical genius, it was settled that the trains should go "wugga wugga wugga wugga CHOO CHOO."

"Wugga wugga wugga wugga CHOO CHOO" it was. Generalissimo Benzinger gave a little giggle.

The matter of triples in general still remained to be discussed. Matt Johnson expressed his conviction that the number 3 was inherently evil, and that only quadruples and quintuples should be considered instead. Someone remarked that instituting an all quintuple policy for Blacker would really give the housing problem a kick in the pants. An astute participant noted the need for creative packing procedures in Hell: one freshman under the sink, one on the floor, one on the bed, and two hanging from the ceiling, like bats. House "frosh balers" would help after rotation room picks in "situating" the frosh in their new homes, while chloroform would be used to muffle the resultant screams. Anyone exceeding his allotment of personal space would be asked to sacrifice a limb for the greater good. After the situating process was complete, the door to the room could be kept securely closed for the duration of the year, with air, food, and water provided at regular intervals.

Numero Uno Benzinger amended the rule so that each one of the quintuples would be required to hang his portrait on the wall. The vote on the omnibus bill went as follows:

All in favor.....1
Motion passes.

At this point King George III suggested that the meeting adjourn. He was met with only token opposition from the drunken horde, who declared that Munth was still a bitchin' place to party, goddamn it.

—Hintor and AN-I-MAL!

"Um, he's using the restroom."

"We'll just wait for him to come out, then."

"I'll go get him, if you like."

"Okay, but make it quick." Yun scurried into the men's restroom. Dale waited. A moment later, Buttman™ emerged, fully costumed. The customers looked at each other, puzzled.

"Okay, boys," the hero began, "this time you've gone too far. Before it was just extortion, but now it's come to hostage-taking. I'm putting an end to this right now."

"It's comin' to an end all right," Dale said, levelling his revolver. He fired at Buttman™.

"Off me, pal," said He of the Superior Posterior. The slug dropped to the floor in fear. "Nice try, Dale."

Slam! Gene's hand crashed into Buttman™'s jaw. A woman screamed. The sound of crunching bone filled the air.

"Aaaaaaargh!!!" Gene rolled on the floor, holding his ruined hand.

"C'mere, Dale," Buttman™ said. Dale moved slowly toward him, then darted for the door. Buttman™ drop-kicked him through the glass wall of the restaurant.

Dale skidded across the sidewalk. Buttman™ lifted his shivering form by the shoulders. he felt kinda happy with himself.

And now, kids, the most recent release from industrial zydeco sensation Stale Urine:

Always listened to my uncle
Always listened to my pa
Though they were slaves of the
entrenched upper class
(Who aren't worth killing
But what is worth doing
For all is pain
So kill 'em anyway)
Man, they knew it all.

"Tell ya what," my father said
"Tell ya what to do
Get yer pa that kettle
Over there that's full of stew."
So I got it and I brought it

And my father got a hammer
And he pounded and he pounded
And he made a clanging clamor
It was on that clear September morn
That industrial zydeco music was born.
(Lots of metallic, thrashing noises accompanied by melodious accordion.)

Before we present the scheduled limerick, here's a contribution from our resident connection to the last dimension:

It was midnight in Suburbia, and a dark shadow passes over the moon. Children cry in fear, and their elders merely listen, but only the Dreamer understands the significance of the omen: Godot has been here. The Dreamer awakes, and looks out over the countryside. Signs of Godot are everywhere. A frail, dead tree had suddenly appeared in a neighboring field, with a belt tied in a hangman's noose hanging from its only remaining branch. An old boot lies by the roadside, but there are no humans in sight. Yes, Godot had been here. A tiny sound came to the Dreamer, and he spins around to face its source. A grin spreads slowly across his face as a cloud of darkness moves toward him. Much later, the wind blew the clouds aside and the Moon shone down on the empty landscape. The snark was a boojum, you see.

And now, direct from the Pungent:
There once was a man from Nantucket
Whose pail was so large, it was a bucket.
He filled it with ale
And called it a pail,
But it was still a bucket.

—Randy
Godot

ATTENTION: THE FOLLOWING IS FICTION. AS RESEMBLANCE TO REAL LIFE, IS INTENTIONAL, BUT MEANT IN THE KINDEST, MOST FRIENDLY FASHION.

I sat with my clipboard on my lap. I had fallen asleep several times already, waiting to make an appointment with the Arch-Sage. A golden crayfish pinched my ear and woke me up. People say a crayfish makes a poor familiar, but I think Frobbo is great. He mentally told me that I was allowed to see the crone.

"Welcome to my humble abode, young wizard." I nodded with near-sincere respect. She continued, "I see your masters have nearly completed your instruction."

"Yes, before the next harvest I should become a journeyman."

"Yes, well, we'll see about that..." Her thumbs were busily flipping through her Tome of Progress...

I finished up with the arch-sage. There was no way I was staying here another year. I sighed as I entered the laboratory. Flashes of vibrant colors, loud explosions, and peculiar odors greeted my senses. I donned my maroon robes and adjusted the stupid conical hat. I fingered the medallion at my throat, it was a golden disk displaying a small ruby and three ruby-dust wedges around it—the mighty RadHazard, my designated focus of magical study, at least for

this year. My master glanced up from his great desk, spectacles perched precariously on his beaklike nose.

"Welcome young one, your work here is nearly through. I will be sad to see such a fine, young mage leave here, but not that sad. As you journey, remember, experimental magic—mage—that is how to get a position as a journeyman. The world doesn't need any more theoretical mages—magic doesn't work on paper."

"Thanks for the advice, master."

But he had already turned away, I could

spleens, and an unidentifiable glowing, red liquid. I mixed them in varying proportions—and observed the resulting bright yellow flashes of different durations, intensities and aftertastes. I scrupulously recorded the results down in an antique tome. I then took my tome to the demon chained in the next room. I gave him my tome and he chanted slowly in some archaic language (using the most advanced and sophisticated compositional techniques to be sure) and told me what my experiments indicated.

"Are you certain of your findings?" the demon asked.

"Nothing in magic is ever certain." was the ritual response.

"Then like a river flowing, will magic make your results uncertain."

"Long live uncertainties! May they propagate to the heavens."

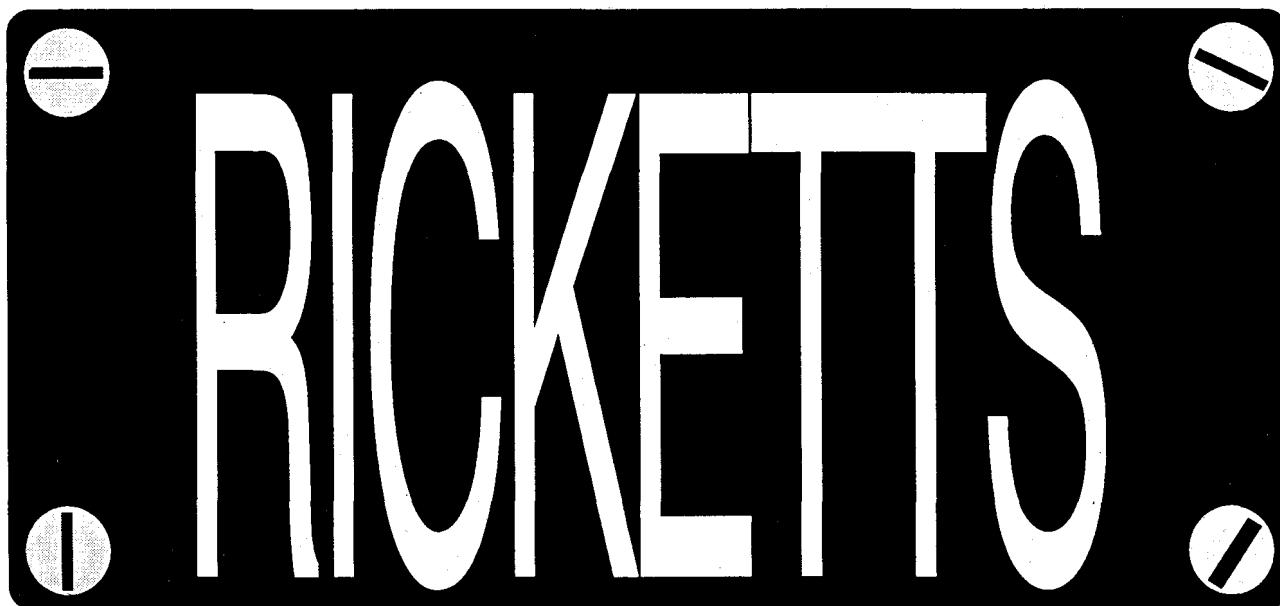
I hated these rituals that were completely pointless and time consuming. I grabbed

Frobbo, and headed back home. Back home a group of novices were trying to pull a rabbit from a big black top hat. "Nothing up my sleeve, PRESTO!" A nearby mage suddenly found himself without hair. He berated the novices. They turned a sad face my way.

"Sleight of hand it, novices. DITCH DAY'S TOMMORROW."

As I walked away, I could hear Frobbo chuckle.

-The Quaker



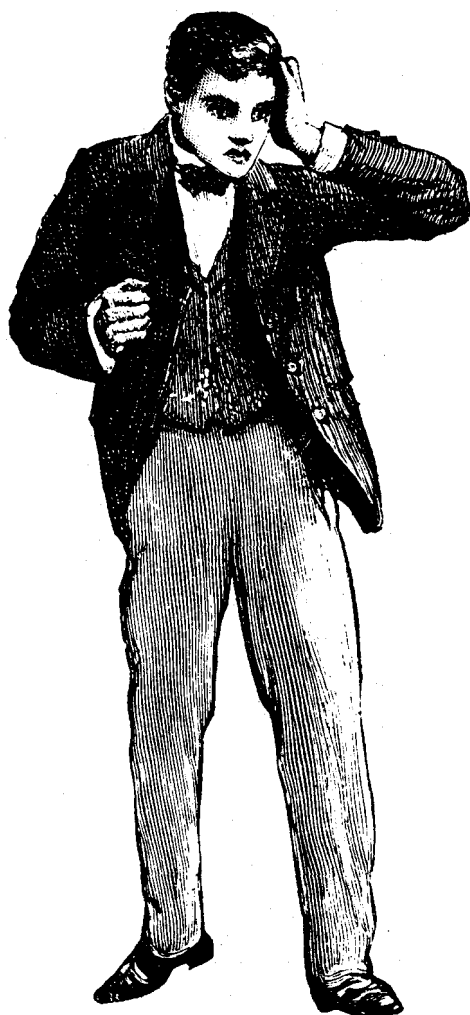
see him focusing his attention on the novices. "Hey you! Don't scuff your feet near that pentagram! Do you realize that that pentagram was made 50 years ago to such amazing standards that has never been duplicated! In all that time, NO ONE has ever scuffed the lines! You complete dufus!"

"And why are there six burned out detection wands this week! Does anyone know why there are six burned out detection wands?"

I just shrugged and smiled, and headed for the locker and grabbed some sulphur, new

All students have the right not to appear in the Inside World

Simply drop a note in the *TECH* box down at Office 40A in the SAC with your name and the words, "I don't want to be in the Inside World!" No reason need be given.



Jim's Journal

I washed some clothes today.



While I was in the laundry room I noticed a shirt on the floor



by Jim

It looked like it was a perfectly good shirt.



But it was full of dirt and lint and was discarded in a corner behind a trash can.





SCURVE RADIO

sKURV 98.1 FM

all the cool  listen to scurve radio

more fun than sheep
more fun than sheep
more fun than sheep

Program

* 3-5 Julian Chen	* 1-3 Dan Dilling	
⊗ 5-6 Chris Pollett	* 3-5 Steve Sobelman	
⇒ 6-8 Scot Fagerland	⊗ 5-6 Chris Pollett	
* 8-9 MU 36	* 7-8 Ted Turocy	
* 10-12 Amit Mehra	⇒ 8-10 Brien Oberstein	
* 12-2 Ted Turocy	* 10-12 Zeus Su	
	⊗ 12-2 Wart Thomas	

* 3-5 Steve Sobelman	* 4-5 Dave "Sparky" Perlman	> noon-2 Stu Wagner
⊗ 5-6 Chris Pollett	* 5-6 Paul San Clemente	* 3-5 Steve Sobelman
* 7-9 Julius Yang	* 6-7 Adam Villani	⊗ 5-6 Chris Pollett
⊗ 9-10 Kevin Boyce	* 7-8 Myke Hoskins	* 7-8 Ted Turocy
⊗ 10-12 Tod E. Kurt	8 & on TBA but will include	* 8-10 Julian Chen
⊗ 12-2 Wart Thomas	broadcasts of Club Ricketts,	⇒ 10-12 Dan'l Weaver
	guest DJ's, etc.	* 12-2 Amit Mehra

* noon-2 Ted Turocy	⊗ noon-3 Presto Pfarner
* 3-5 Paul San Clemente	* 3-5 Steve Sobelman
⊗ 5-6 Chris Pollett	⊗ 5-6 Chris Pollett
⊗ 7-10 Presto Pfarner	> 7pm really, really late
⇒ 10-12 Frank Filipanis	Stu & Tom's
* 12-1 Dan Xystus	Hours of
* 1-3 Nathan Rock-well	Audio Onslaught

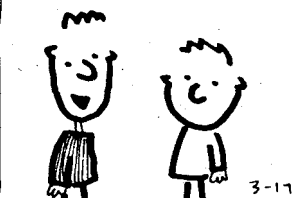
* = classical, * = old rock, ? = rock & roll, ⇒ = heavy metal / hard rock,
 ⊗ = alternative / techno, > = industrial / dance, ♣ = random, ? = who knows?

Notice: Everything may change at anytime, and
 Scurve Radio is an attempt to regenerate a interest in a Caltech radio station.
 If it's liked, let a Scurve know, send mail to the House, or email to radio@rybalt

Jim's Journal

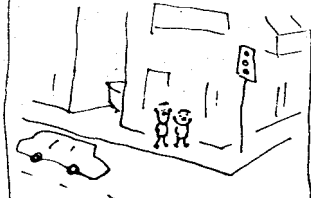
by Jim

Today Tony asked me if I wanted to play pool with him.




3-17

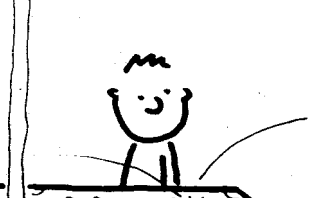
I said I would, and we walked over to the pool hall.



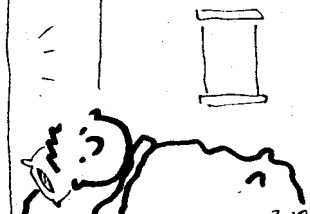
"I haven't played in a few weeks," Tony said, "but I still got the touch."



Then he hit the cue ball so hard it flew off the table.




Today I heard some loud banging noises out in the hall.

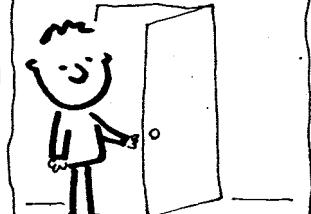


3-18

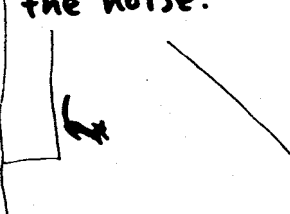
It was construction workers, doing some repairs on the apartment building.



(They were tearing out a wall and putting in a new one, it looked like)



Mr. Peterson was scared to get close to the door because of all the noise.



SPORTS

GSC Softball Rules

Doug Yule

The organizational meeting for summer league GSC softball has been changed to Monday, May 18 5:30 p.m. in the classroom of Brown Gymnasium. As some people are aware, the GSC is proposing significant changes (outlined below) in the regulations and structure and of the leagues this year. The organizational meeting will provide an opportunity for the concerned player to convey her/his opinion before any changes are emplaced. Team captains and people looking to join a team are strongly encouraged to attend the meeting, but anyone is welcome.

Full-time students (graduate or undergraduate), faculty, and staff are eligible to serve as softball team captains. Please carefully consider your desire to serve as team captain; i.e., a team captain is accountable for the behavior of their team. Eligible players include all full-time and part-time Caltech and JPL personnel and their spouses. Non-affiliated "ringers" are prohibited with the exception of close friends and family which will be allowed to play in the less competitive leagues (C and D leagues). In any case, the number of outside participants is limited to a maximum of three players during any one game. Captains please take note that this amendment to current regulations governing GSC sports is extended in good faith. Any abuse of this privilege will result in the exclusion of non-affiliated players for all softball leagues. Slow pitch softball rules and regulations will govern the majority of the leagues this year. The A-league will continue to play according to fast-pitch softball rules

with no change from previous years. The other leagues will play according to slow-pitch softball rules.

The primary changes include: 1) Pitch Arc: The maximum arc of a pitch must lie between 6 and 12 feet above the ground. An illegal pitch, as determined by an umpire, constitutes a ball unless the batter hits the pitch in which case the ball is playable as usual. 2) Strike Zone: The strike zone is defined by an enlarged home plate whose width is the normal plate width and whose depth extends approximately 2.5 feet behind the front of the plate. Any pitch landing on this mat is a strike. 3) Strikes, Balls, and Fouls: A batter faces a maximum of five pitches per at bat. Three balls constitute a walk and two strikes constitute an out. Two foul balls make an out. 4) No Stealing: Base stealing is prohibited, and runners may advance only when the ball is hit within the field of play or when a batter is walked. 5) Time Limits: Games are restricted to 7 full innings or to approximately 1 hour and 15 minutes. No inning can start after 1 hour of playing time has elapsed. Shorter games will allow more games to be scheduled. Slow pitch rules are designed to simplify the game and to make softball more enjoyable for players of all skill levels. People vehemently opposed to these changes can continue to play according to fast-pitch rules in the A-league, but I encourage everyone to give slow-pitch softball a try this summer in the event that the change results in an excellent summer of GSC softball follies for everyone.

SCIAC Preliminaries

Ned Bowden

Gun shots were reportedly heard from the area of Caltech's track last Thursday afternoon. When people arrived to witness the shootout, they were shocked to learn that it was only a track meet going on and the shots were from the starting gun. The meet was the SCIAC preliminaries for the championships, what many people have been working hard since January for.

The most notable performance for Tech came from Aaron Matzner who won the 3000m steeplechase race! It was the only final running event held on Thursday for the men and Aaron handily won the race with a time of 9:30. He was chased by a runner from CMS for over six laps but he left him in the dust in the last 400m. Another exceptional performance came from Greg "15" Dudey who had the fastest qualifying time in the 400m intermediate hurdles race.

Several Techers qualified for the finals to be run this Saturday. In the 100m race both Rob Whiteley and Brady Montz made the finals with times of 11.52 and 11.44 seconds respectively. CIT will be well represented in that race with our two strong sprinters competing for All-Conference honors. Rob also ran a fast 200m race to finish the season right. In the 800m and 1500m races sophomore Ned Bowden managed to race with the "big men" of our

conference and make the finals in both races. Both the Tech 4X100m and 4X400m relay teams made the finals.

Many strong performances were made by those whose seasons ended last Thursday. Ron Stieger continued to drop his 800m time and placed fourth in his heat. He was less than two seconds away from qualifying for the finals and should be someone to watch out for in the years to come. Schuyler Cullen was spent after the 1500m race as he had run a 4:29.69 for a near personal record. In the discus final Jeff Martin placed seventh overall just outside the top six who were All-Conference. He is looking forward to cracking into the top six in the javelin toss on Saturday.

The women produced many great races. They qualified in the 4X100m race with their fastest time of the season. Emmeline Naranjo made the finals in the 100m and 400m hurdle races. She had the third best qualifying time in the 400m hurdle race! In her senior year Emmeline is producing some exciting races. Joan-Marie Gimbel said good-bye to the season with strong races in the 100m and 200m dashes. The distance crew of Tobe Corrazini, Virginia Garcia, and Fatima Ebrahim all ran well to close the season.

The finals for the Conference meet are this Saturday at the Tech track. The race begins at 11:00 and Coach O'Brien requests that all volunteers show up at 10:45. Come out, eat some food, and enjoy the competition.

SCOREBOX Standing

Men's Tennis		
vs. Occidental	L 0-9	3-8 Final
Women's Tennis		
vs. Occidental	L 1-8	4-14 Final
Baseball		
vs. La Verne	L 12-15	
	L 0-20, L 5-16	1-25
Golf		
vs. Whittier	L 488-449	
SCIAC	7th Place	2-12 Final

Pasadena Computer Center

Now TWO locations to serve you!

Office Hours: Mon.-Fri. 9 a.m.-6 p.m., Sat. 10 a.m.-6 p.m.

1756 E. Colorado Blvd., Pasadena Phone: (818) 568-1088 FAX: (818) 568-9132
 11737 W. Pico Blvd., Los Angeles Phone: (310) 575-4028 FAX: (310) 575-3831

486-50MHz 256K CACHE, 170 MB HD
TWO 32-BIT LOCAL BUS ON BOARD

- Intel 80486 Processor with built-in 487 Math Co-Processor
- 256K Cache RAM
- 4 MB RAM, up to 32 MB RAM on board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 170 MB Hard Disk, 17 ms built-in 32K Cache
- Dual IDE FD/HD Controller
- 101 Enhanced Keyboard
- AT I/O: 2 Serial/Parallel/Game ports
- 16-bit Super VGA Card with 1 MB RAM
- 14" 1024 x 768 Super VGA Monitor, 0.28 mm dots (CTX)
- MICROSOFT DOS 5.0 with MANUAL
- MICROSOFT WINDOWS 3.0 with MANUAL
- HIGH RESOLUTION MOUSE

CASH DISCOUNT ----- \$2450.00

486-33MHz 256K CACHE, 125 MB HD

- Intel 80486 Processor with built-in 487 Math Co-Processor
- 256K Cache RAM
- 4 MB RAM, up to 32 MB RAM on board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 125 MB Hard Disk, 17 ms built-in 32K Cache
- Dual IDE FD/HD Controller
- 101 Enhanced Keyboard
- AT I/O: 2 Serial/Parallel/Game ports
- 16-bit Super VGA Card with 1 MB RAM
- 14" 1024 x 768 Super VGA Monitor, 0.28 mm dots (CTX)
- MICROSOFT DOS 5.0 with MANUAL
- MICROSOFT WINDOWS 3.0 with MANUAL
- HIGH RESOLUTION MOUSE

CASH DISCOUNT ----- \$1795.00

LOCAL BUS: TWO 32-BIT LOCAL BUS ADD

32-BIT SVGA 1280 x 1024, 32768 COLORS \$200

Look At Our
Customers From....

- UCLA
- USC
- CALTECH
- JPL
- PARSONS
- CITY OF LA
- CITY OF HOPE
- COUNTY OF LA
- OCCIDENTAL COLLEGE
- AMBRADOR COLLEGE
- AME
- TICOR INSURANCE
- TL ENTERPRISES
- SUNBANK ELEC. RONICS
- AND MORE

386-33MHz 64K CACHE, 105 MB HD

- 64K Cache
- 4 MB RAM, up to 16 MB RAM on board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 105 MB Hard Disk, 17 ms built-in 32K Cache
- Dual IDE FD/HD Controller
- 101 Enhanced Keyboard
- AT I/O: 2 Serial/Parallel/Game ports
- 16-bit Super VGA Card with 1 MB RAM
- 14" 1024 x 768 Super VGA Monitor, 0.28 mm dots
- MICROSOFT DOS 5.0 with MANUAL
- MICROSOFT WINDOWS 3.0 with MANUAL
- HIGH RESOLUTION MOUSE

CASH DISCOUNT ----- \$1450.00

6 REASONS WHY PEOPLE
CHOOSE PASADENA
COMPUTER CENTER
OVER THE OTHERS:

- 1: NAME BRAND COMPONENTS
- 2: UNEATABLE PRICES
- 3: ONE YEAR PARTS & LABOR WARRANTY
- 4: DIRECT FROM FACTORY (NO MIDDLEMAN)
- 5: LIFETIME TECHNICAL SUPPORT
- 6: WE ACCEPT CUSTOM DESIGN TO FIT YOUR NEEDS

386-25MHz 105 MB HD, SUPER VGA

- 1 MB RAM, up to 8 MB RAM on board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 105 MB Hard Disk, 17 ms built-in 32K Cache
- Dual IDE FD/HD Controller
- AT I/O: 2 Serial/Parallel/Game ports
- 101 Enhanced Keyboard
- 15-bit Super VGA Card with 512K RAM
- 14" 1024 x 768 Super VGA Monitor, 0.28 mm dots
- MICROSOFT DOS 5.0 with MANUAL
- MICROSOFT WINDOWS 3.0 with MANUAL
- HIGH RESOLUTION MOUSE

CASH DISCOUNT ----- \$1275.00

One Year Parts and Labor Warranty.

386SX-25MHz 32 MB HD, SUPER VGA

- 1 MB RAM, up to 8 MB RAM on board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 32 MB Hard Disk, 28 ms built-in 32K Cache
- Dual IDE FD/HD Controller
- AT I/O: 2 Serial/Parallel/Game ports
- 101 Enhanced Keyboard
- 16-bit Super VGA Card with 512K RAM
- 14" 1024 x 768 Super VGA Monitor, 0.28 mm dots
- MICROSOFT DOS 5.0 with MANUAL
- MICROSOFT WINDOWS 3.0 with MANUAL
- HIGH RESOLUTION MOUSE

CASH DISCOUNT ----- \$1030.00

Quality Minds Enhance Your Business.

Pasadena Computer Center serves for consultant, school and all business, offers Competitive Price & Quality Service. We also do Novell Networking Installation, System Integration and Database Design. Please call us at any time or visit our 3800SF showroom & Service Center. Thank you for your business.

Rag Time
on GreenRESALE CLOTHING
for
WOMEN1136 E. Green St. • Pasadena
(818) 796-9924

Wed 10-6 • Mon-Tue-Thu-Fri 10-5 • Sat 10-3

SPEEDY RESEARCH

Reports: \$5.00 per page

Over 50,000 topics and clippings.
Materials for research assistance use only!!6546 Hollywood Blvd., 2nd Floor, Room 209
Los Angeles, CA 90028

Mon-Fri 10:30-6:00 • Sat 11:00-4:00

Custom Research Available

AmEx • VISA • MasterCard • Fax

Call Today! (800) 356-9001

LORENZO'S BARBER SHOP

Unisex Hairstyling

Ask for Your
Caltech Student Discount!

Regular Cut (men)	\$ 9 ⁰⁰	\$1 off
Regular Cut (women)	\$ 9 ⁰⁰	\$1 off
Style Cut	\$12 ⁰⁰	\$2 off
Permanent Wave	\$40 ⁰⁰	\$5 off

9 a.m. - 6 p.m., Monday - Saturday
14 N. Mentor Avenue, Pasadena(818) 795-5443
No Appointment Needed新同樂酒家
SUN TUNG LOK RESTAURANT

3 Master Chef Specialities

DIM SUM, SZECHUAUN, CANTONESE, SEAFOOD

Dim Sum Lunch
Daily 11 am-3 pm

OPEN

Special Dinner \$5.75

4:30 - 7:30 pm Dine-In or Take-Out

7 DAYS

400 S. ARROYO PARKWAY

11AM-11PM

Between California and Del Mar

584-6719
584-6720FREE PARKING
IN PASADENA
INN LOT

WHAT GOES ON

NOTICES

Volunteer for L.A. - If you wish to volunteer your time, food or money to the victims of the L.A. riots, stop by the Caltech Y to sign up for two volunteer trips: today, noon - 4:00 p.m. and Saturday, from 8 a.m. - noon. Both trips will go to the United Methodist Church in South Central L.A. and help package and distribute food. Carpools will leave from the Y. We need Y tested drivers to sign up! Sign up in the Y. Donation boxes will be set up in the undergraduate houses, Spalding and the Y. We will deliver the stuff to the people who need it most. Baby food, clothes, canned goods, diapers, sanitary products, toothpaste and non-perishable foods are most needed. x6163.

Student Investment Fund (SIF) The SIF now meets every Tuesday at 5:00 p.m. in Club Room #2 of the Winnett Student Center. Members of the Caltech community are welcomed to attend. The SIF has established an award, \$500, to promote outstanding research in finance. Priority is given to undergraduates. Selection takes place on the basis of a research report, submitted to a committee. The SIF will disburse up to \$4000 to other clubs and organizations. Proposal forms are available in the Student Investment Fund mail box 142-58 SAC or from Tal Schwartz. Deadline for submission is 5:00 p.m. Tuesday, May 12, 1992. For questions and information, contact Tal Schwartz, Page House Rm. 217, (578-9755), Mail Box 583, TAL@tybalt.caltech.edu.

Poetry Workshop - In Y Lounge, 2nd and 4th Tuesdays every month, 7:30 to 10, more info from kathy@bombay.gps.caltech.edu (also, x6955).

CLASSIFIED ADS

HELP WANTED -

TOP INSTRUCTORS ONLY. please. Biology, chemistry, or physics. Grads, post-docs, or adjuncts with great evaluations, call for part-time or full-time teaching opportunities. Hyperlearning (800) 843-4973.

VOLUNTEERS NEEDED TO HELP with technical assistance and design of Art and Technology GAS payload for US Space Shuttle. Contact Richard Clar, Art Technologies, (310) 276-5584

JOB OPPORTUNITIES -

NAVSYs, a consulting company specializing in the Navstar/Global Positioning System (GPS), seeks an undergraduate for part-time work. This job has the potential for summer employment in beautiful Colorado and will provide hands-on experience with a variety of GPS equipment. For further information, call (805) 523-2102 or (719) 481-4877.

ROOMMATE WANTED -

NON-SMOKING FEMALE to share large 2/2 two blocks north of campus. Furnished, security, washer, dryer, all modern appliances. Call Judi (818) 449-8252 or Evelyn (818) 793-6160. \$325/month + \$125 deposit and 1/2 bills. 1111 Blanche.

ME-72 Preregistration-The ME-72 preregistration for fall term 1992 will NOT be on a first-come/first-served basis. Each preregistrant will be asked to fill out a questionnaire, and the responses will be used to determine who is eligible to take the class. (At this time it is my intent to have these questionnaires available at the registrar's office during pre-registration week). A list of eligible class participants will be posted in Thomas at the end of the pre-registration period.

Ec 131, Labor Economics, taught by Professor Joni Herscht MW 2:30 - 4 (see the description in the *Catalog*), and a special topics course in history, **H 161, the History of the Civil Rights Movement in America**, will be offered for advanced Humanities credit, also MW 2:30-4, instructor: Bryant Simon. Using primary and secondary sources, film and novels, H 161 will examine the legal, political, social and economic history of the Civil Rights Movement in the second half of the 20th century. Both these classes missed the Fall Prereg list; add them and sign up.

Wanted: Books! - The Friends of Caltech Libraries are preparing for the annual FOCAL book sale now by collecting new and used, hardback and paperback books from members of the Caltech/JPL community. Donations in all subject areas are needed. Bring donations to the first floor of Millikan Library during the week between 8 and 5.

EVENTS

Gay, Lesbian and Bisexual Discussion Group - meets the 1st and 3rd Tuesdays of every month from 7:30 - 9:30 p.m. 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 call 356-8331.

Women's International Friendship Group will meet on Monday, May 4 at 415 S. Hill at 9:30 a.m. All women from foreign countries are warmly invited. Children will be supervised. For information, call Gretl Hornung at 355-9661 or Kay Corwin at 564-8088.

ACADEMY
BARBER SHOP

27 N. Catalina Ave., Pasadena
Open Tues.-Sat., 7:30 A.M.-4:30 P.M.
(818) 449-1681



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

Caltech Y Excomm Meeting will be held in the Wes Hershey lounge of the Winnett Center on Monday at noon. The Y invites anyone who wish to cosponsor an event to attend on the first or third Monday of every month.

Third Annual Ping-Pong Tournament will be held on Saturday, May 9 at 10:00 a.m. in the Lloyd House Lounge. A tournament for both singles and doubles will be conducted. Show up at 10:00 Saturday to register. Free and open to all members of the Caltech community. Refreshments served. Trophies awarded. Call Kevin Wang (449-8840) or Erick Co (585-8667) for information.

Caltech Y Volunteer Trip to Tijuana, departs from the Caltech Y on Sunday, May 10. Students will participate in the construction of a community center in conjunction with the YMCA de Baja California. For information call Chris Sunderberg, x6163.

The Caltech Environmental Task Force will meet in Winnett clubroom #1 at noon on Wednesday, May 13. Join us in helping the Caltech community become more environmentally conscious, and help us work with the administration in adopting policies that enhance local and global environments. For information, call Debbie Bradbury x3630.

Caltech Medieval Renaissance Society Meeting in Winnett lounge at 7 p.m. on Wednesday, May 13. Last meeting before the Tourney. For information call 584-3828.

Well Baby Clinic - Children up to two years old of undergraduates, graduate students and research fellows will be examined and given all the necessary immunizations at the Student Health Center, on the morning of May 14. For appointments, call Mrs. Vogt at 794-7823 (residence).

Friday Prayer - Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 12:30 p.m. every Friday. For further information contact Asim Mughal or Shameem Hashmi at 564-1701.

ENTERTAINMENT

The Pasadena Folkdance Co-op offers beginning instruction every Friday at 7:45 p.m. in Throop Unitarian Church. Following the instruction club members provide refreshments and all are invited to participate in the dance program. Wear soft soled shoes. A \$1.50 contribution is requested.

Dear science students: We are a sci. educ. co. seeking truly excellent TA's/instructors for p/t & f/t teaching positions. If you know of any really outstanding, one-of-a-kind TA's/instructors in Bio, Chem & O-Chem, Math or Physics, p/c and we will send you useful grad school prep info for doing so, + \$300 finder's fee for any instructor hired.
1-800-843-4973
Thanks! *Hyperlearning*

Airmchair Adventure Series - Charm of Holland will be narrated by Sherilyn Menten tonight at 8 p.m. in Beckman Auditorium. For more information call 356-4652.

"Documents in the Case" - TACIT will give a performance of "Documents in the Case" a play about a love affair, a case of mistaken identity, a plate of mushrooms, a death, a temperamental artist and some scientists with a polariscope. Tonight and tomorrow night at 8 p.m. and at 2 p.m. on Sunday in Dabney Lounge. Contact the Caltech Ticket Office at (818) 356-4652 for more information.

We Tell Stories - Through literature, folklore and mythology this multi-ethnic theater troupe stimulates your imagination. In Beckman Auditorium at 2 p.m. on Saturday, May 9. For information call 356-4652.

The Lady From Shanghai (United States, 1948-Welles) Orson Welles directed this mesmerizing mystery about a sailor who becomes involved with a seductive woman and her sadistic husband. The climax, in an amusement park, peaks in the shattering hall of mirrors sequence. Tuesday, May 12 at 7:30 p.m. in Baxter Lecture Hall. Admission is free.

Bandorama Concert - The Caltech-Occidental Wind Ensemble and the Caltech Jazz Bands, directed by William Bing, featuring Allan Vogel and Angie Whitney, Admission free. Refreshments will be served. In Beckman Auditorium at 8 p.m. on Thursday, May 14. For information call 356-4652.

Chamber Music Noon Concert - Caltech students will perform music by Widdicombe, Milhaud and Torina. Lunch will be served on a first-come first served basis with preference given to Caltech students. Sponsored by Student Affairs. For more information call x6198.

International Day - Next Friday from 4 to 7 p.m. witness the return of International Day, a celebration of Caltech's diverse ethnic composition. Features include: Greek and Israeli folk music, a jazz band, Tai Chi and Tang Soo Do. There will be free samples of foods from around the world. There will also be food for sale. For information call 6163.

The Men's and Women's Glee Clubs will present their annual **Spring Concert** on Friday and Saturday, May 15 and 16 at 8:00 p.m. in Dabney Lounge. The Men's Glee Club will perform movements from Maurice Durufle's "Messe Cum Jubilo" and Carl Orff's "Carmina Burana". The Women's Glee Club will include works by Handel, Debussy, Korte, and Matthias. The glee clubs will join forces to present the ever delightful love songs of Brahms, "Liebeslieder Waltzer". Tickets are now on sale from members of the glee clubs or OPE (\$7 general, \$5 student). A reception will follow both performances.

SCHOLARSHIPS & FELLOWSHIPS

The Financial Aid Office has applications and/or information for the following scholarships. For a complete list of all scholarships check the bulletin board next to the bookstore or check the bulletin board in the Financial Aid Office. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

Merit Awards for 1992-93 - Each year, the Scholarships and Financial Aid Committee awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 25 Merit Awards of full or three-quarters tuition and 14 honorable mention awards of \$5,500 each. The level of the awards this year will be determined by the caliber of the applicants. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline for submitting completed applications to the Financial Aid Office is 5:00 p.m. on May 1, 1992.

The Ebell of Los Angeles is offering undergraduate scholarships for the 1992-93 school year. The amount of the scholarship is \$3,000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. citizens, LA County residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. LA county residents may be proven by in-school attendance. All applications and materials are due in the Financial Aid Office by 5:00 p.m. May 15, 1992.

The Society of Women Engineers announces its 1992-93 Freshman and Reentry Scholarship Programs. This year they are seeking applicants for seven scholarships totaling \$8,500. Applications including supportive materials, must be postmarked on or before May 15, 1992.

The 1992 Society of Consumer Affairs Professionals in Business (SOCAP) applications are now available. Completed applications must be received by May 15, 1992.

The California Council of Civil Engineers and Land Surveyors will award several \$2,000 scholarships for the 1992-93 academic year. Scholarships are available to upper division undergraduates and graduate students who are continuing their education in the field of civil engineering and land surveying. Scholarship recipients shall be US citizens with a minimum GPA of 3.5 in civil engineering and land surveying courses and a minimum overall GPA of 3.2. Deadline for application is May 31, 1992.



Let Flowers Say It For You

"Mom, I love you."

Mother's Day is May 10

Flower Boutique

Best quality with reasonable prices — worldwide delivery

Guaranteed on-time delivery
for out-of-state orders placed by May 8

Mother's Day Specials also available

639 N. Lake Ave.

(818) 405-1955

THE TECH

CALTECH 40-58 SAC
PASADENA, CALIFORNIA 91125

Buy Caltech cards
and save, save, save!

BURGER

Buy Caltech cards
and save, save, save!

CONTINENTAL

TO ALL CALTECH STUDENTS, FACULTY, AND STAFF:
At all times, seven days a week

BREAKFAST	\$2.19	with soft drink or coffee
LUNCH	\$4.95	with soft drink
DINNER	\$6.25	with soft drink
Breast of chicken, seafood, lamb, or the day's special		

PIZZAS

Homemade variety
pizzas

SPECIALTIES

Shish Kabob, Shaorma, Souvlaki-Steak

We cater for all occasions

Faculty, Grad Students, Attend!

535 S. Lake Ave.

Monday and Tuesdays are Beer Days. Half price on beer. (818) 792-6634