

Where's Jim?
He's been kidnapped!
Try to find him!

THE CALIFORNIA TECH

Or maybe he's just
been shrunk to the
size of an ATOM

Volume XCIII, Number 5

Pasadena, California

October 25, 1991

New Gymnasium Progresses

by Ali Mortazavi

A \$4.7 million addition to campus is moving along toward its completion and inauguration about a year from now. The Carl F. Braun Athletic Center will not only greatly revamp the Institute's athletic facilities proper, but will also hopefully add a new dimension to the campus atmosphere as well as to student life for years to come.

Anyone who has been down to the current gymnasium for class, competition, or simple gratification and relaxation can attest to the sorry shape of that small, cramped, unfriendly building. This latest expansion of Caltech's athletic facilities will build upon the 1984 addition to the gym (the one on the other side of the swimming pool, i.e. where the old weight room was) which was both more attractive and user-friendly than the original structure. Yet it is much more than simply an attractive spacious addition of new racquetball, squash, and basketball courts in the minds of Athletics Director Dan Bridges and of the rest of the administration. They envision the center as a major addition to the quality of life of the

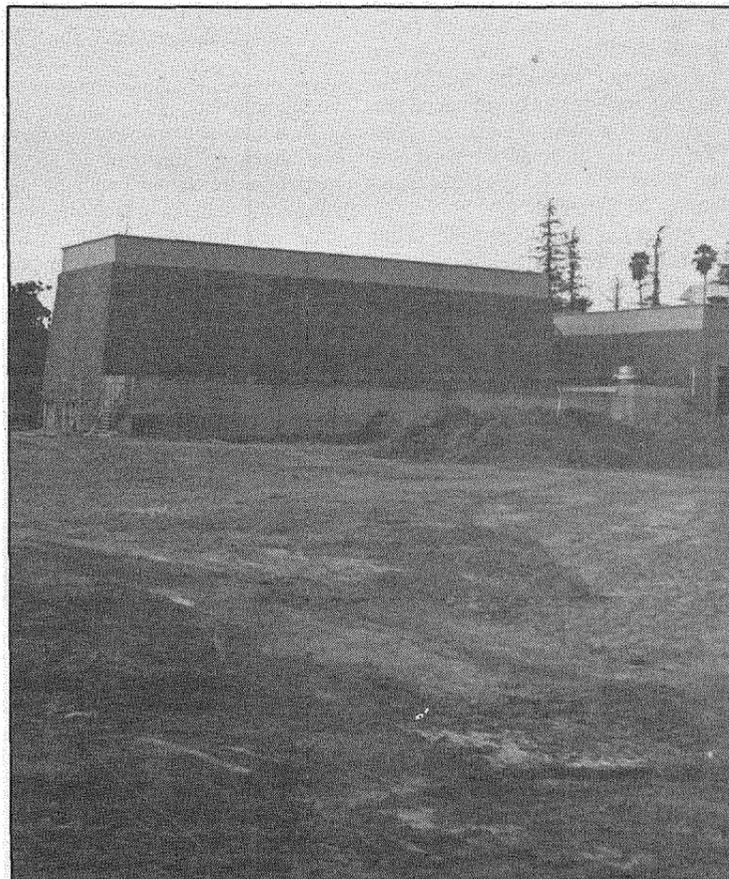
student body and that will provide "alternatives" to the current social interactions of undergraduates and grads alike.

Not surprisingly, Dan Bridges and the designers have gone to great lengths to make the building as attractive and comfortable as possible within the limits of their budgets (courtesy of the Braun Foundation of South Pasadena), which will give it a feel similar to that of top athletic facilities in the nation, such as UCLA's Wooden Center. Highlights include a stunning entrance, a new basketball/volleyball court, 2 squash and 4 racquetball courts. A top of the line, custom-designed sound system will liven up the new weight room (for those who remember the old one, the new one will be 3 times bigger) as well as the multi-purpose room (bigger than Dabney Lounge) which is intended for martial arts and dance classes as well as social events and whatever other uses students may come up with. The women's locker room will be expanded, and there may be a new one for faculty. A new "recreational services" office will be in charge of providing coordination, help, and

information to anyone that would like to use the facilities.

Most of the offices of the coaches as well as those of the staff will move to the second floor. The extra space will allow new classes to be offered. The hours will start out the same as the current ones, but may be expanded if there is enough demand for it. One potential problem will be how much use of the facilities will be allowed and to whom. Bridges was adamant that the Institute would try to keep the new gym in top shape and guarantee students first shot at using it. This may mean charging JPL affiliated personnel an annual usage fee as well as restricting some nights to solely undergraduate or graduate students.

The relocation of underground utilities (causing the piles of dirt on the soccer/baseball field) was completed over the summer. Final negotiations are underway for the above ground construction which is expected to start sometime in November and end by August. By next October, Techers will discover the joys of having a brand new facility for every conceivable use.



Progress on the Gymnasium Continues

photo by Rajan Ranga

Kaufmans Handle Challenges of Marks and Braun Houses

by Celene Chang

David and Elizabeth Kaufman are the new Resident Associates of Marks and Braun Houses. David is a third-year graduate student in mechanical engineering at Caltech, while Elizabeth attends Pasadena City College and she is contemplating going on to dental school.

Last year David and Elizabeth applied to become RA's. They were interested in the post because they thought it sounded like fun. The process of application and selection was by no means easy. First they had to go through extensive interviews. They not only had interviews with the Director of Residence Life, Kim West, but also with about thirty undergraduates from Ruddock. They were impressed by the amount of student participation.

When they finally succeeded in getting the post, they had to go through training. This started around mid-September and lasted for two weeks. During this period, they had many meetings with the administration so that they can get to know the people on campus. They also learnt from experiences of other RA's on how to counsel students and handle different situations. They also had the opportunity to go to Frosh Camp on Catalina Island. Now that the term has started they still have meetings with other RA's once or twice a month.

David and Elizabeth see themselves as counselors to the students and also as a liaison between the

students and the administration. Their job has been very successful so far. Last week they organized a barbecue. They expected about twenty people to show up, but in the end, about fifty people went. Obviously they were very pleased. David and Elizabeth receive a yearly budget which they can use to organize house activities. Although Marks is called a graduate house, it now has only undergraduate occupants, while in Braun the undergrad-grad ratio is roughly one to one. These house activities are important in helping the students to meet one another. Hikes and trips to museums are some of the activities they have in mind for the future.

The Kaufmans think Caltech has a very pleasant environment and that this is largely due to the presence of the Honor System. They also think that Caltech offers services that are not usually offered at other universities. David and Elizabeth are impressed by how organized and efficient everything is.

David and Elizabeth found Rotation interesting. During Rotation week, they visited the three North houses. They especially liked the Lloyd Rotation movie. They think Rotation is a good idea, because the students can choose their houses, rooms and roommates. Both of them had bad roommates during their first year at college because they and their roommates shared no common interests.

David and Elizabeth are enjoying being RA's, and they hope to stay on the job until David graduates.

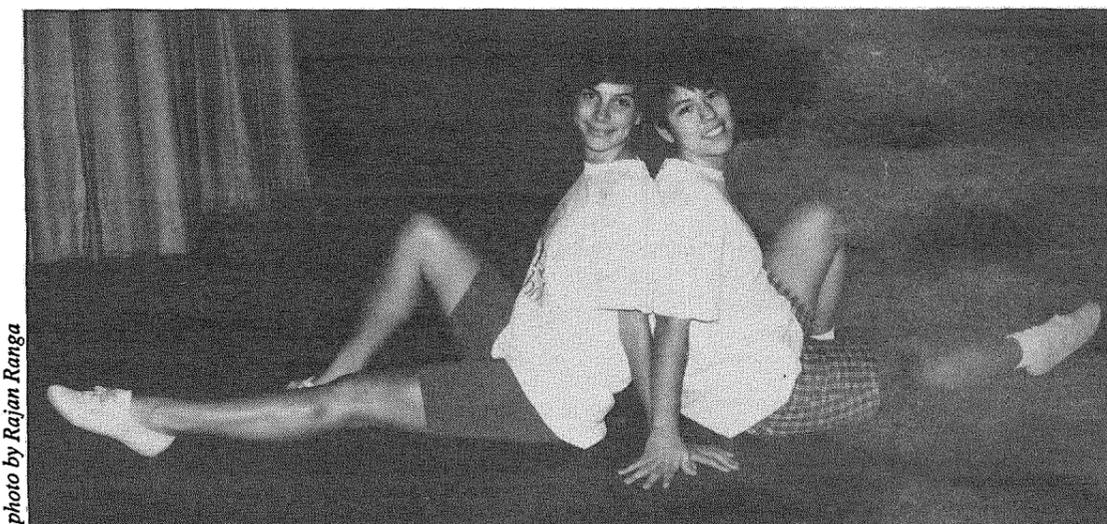


photo by Rajan Ranga

Jessie Haldeman and Debi Tuttle—The Broadway Musical Revue which runs through this weekend. See page 5.

New Blacker RA's Named

by Roshan Kumar

Those of you who have spent untold sleepless nights scanning through your campus directories and pondering the fate of the vacant Blacker RA position can rest easy now. From out of the south come Ken and Michelle Apperson to fill your nights with music, movies and tales of biological horrors.

The school's newest RA's have spent the last two and a half years in matrimonial bliss after meeting at a party in San Diego, where they were both attending school at the time.

Ken, a self-described "struggling filmmaker," remembers the event vividly. "It was love at first sight," he recalls with star-crossed eyes.

In addition to making movies and planning for a half-hour TV

show coming to Pasadena's public-access airwaves in the not too distant future, Ken has served as lead singer for The Ninth (as in Beethoven's), a "college-radio, bordering on punk" band, for the last five years and is currently working as a marketing director for a Glendale firm.

"We have a CD coming out this Christmas," he says, "and we'd just love to play on campus." (Are you listening, social teams?)

The other half of the Blacker RA duo, Michelle, is a second-year graduate student in biology who is coming to CalTech after an undergraduate career at UCSD and two years of work in a lab.

"The perspective, as a grad student is a lot different," says Michelle of her new role on campus. "You see a lot of labs and classes, but it's possible to not have a lot of interaction with other students...by being RA's, we get a chance to meet a lot of people...Both of us are the type who like to listen to people and have a lot of interaction with students."

Ken added, "As we see it, our job is to always be there for people when they need us. We're authority figures, which can be both good and bad, and hopefully we'll be positive ones."

As for the future, Michelle is planning to continue with her education while Ken delves further into film and TV, following up on his undergraduate film schooling at San Diego State.

The present for the two lies in a small apartment in Blacker House, however, which comes on the heels of living in "an old mansion owned by Groucho Marx" in Altadena, complete with a surrounding moat. Will CalTech be something of a culture shock for our intrepid adventurers?

"It's a beautiful campus," says Ken of his first impressions, "and the students seem a lot more together than other places I've been." Regarding the couple's relations with the undergrads, he adds, "I don't think our ages will be a problem at all, since we don't act our ages. I'm 28, and I sing in a band and make movies."

Turning their eyes towards the years to come as RA's, the Appersons say, "We're really looking forward to getting to know people and building a long-lasting friendship with them...We're looking forward to getting showered for the first time." Not only is their door open, Moles, but they're asking for it. What better way to meet your new RA's?

INSIDE:

Will the Remedial
Eng. Controversy
never end?

page 2

Junior Class
President
Appointed

page 6

Remedial English Debate Continues

Editors:
Penny Sherman's writing is fine. It meets the standards of most scholarly journals. She does not belong in "remedial" English. Seeing such bitter criticism of the writing of a frosh alarms me. The Tech receives few submissions as it is. Please don't let potential journalists be deterred.

Attacking Miss Sherman skirts the issue, which is that the diagnostic exam does not fairly measure the skills that make for a good writer. I've been told that I write well. I disagree. My writing is correct enough to spare me from En2, but it is not good. When I was a frosh, I wished for a pass/fail course on English Composition. As a sophomore I tried an independent reading course with Mr. Donagan, whose writing merited emulation; that was the only way I could find to get feedback on my writing.

We all need improvement. Writing improves through practice. With such little practice in composition at Caltech, ALL frosh should have to take a class on English composi-

letters

tion. Ten 500-word essays in a term is reasonable. For a good writer, that should be easy.

Respectfully,
Christopher Dunn, Box 833

To the editors:

As a grad student who has done his share of damage to grad/undergrad relations (with an ill-advised, poorly-phrased, and somewhat half-cocked letter to the Tech a few years back on the subject of master keys), I was saddened to read the tone and much of the content of Chris Tinney's reply in last week's Tech to Penny Sherman's letter of the previous week about the writing placement exam and the Basic English Composition course, a.k.a. "Remedial English." As I learned in my own "border skirmish," insulting phrases like "a miffed student whining" and "how little common-sense [undergrads] have," and broad-brush accusations about such things as "abysmal writing skills" and the production of "hilariously bad material" neither strengthen one's argument nor help to make the

"Caltech community" a community, rather than a bunch of factions. Though I found some grad students who agreed with my letter back then, others let me know that they thought I had been needlessly inflammatory if not plain wrong; certainly many undergrads thought so! I have come to agree with them. Now comes Chris Tinney, claiming to speak for "a body of people who...take a slightly more balanced view" of undergrad capabilities than they themselves do, i.e. the grad students. I write now to give undergrads at least one instance of a member of that body for whom he does not speak, and I'm sure there are plenty of others.

I would also like to help remedy some of the perceptions of the Basic English Composition course and the writing test evident in Penny Sherman's letter. At my undergrad school, Princeton University, there is a similar writing test, with assignment to various freshman Literature courses dependent on the results. I don't think it's merely the rose-colored hindsight of a loyal alumnus that makes me regard the

intellectual caliber of undergrads there as comparable to that of Caltech undergrads; moreover, since Princeton is a liberal-arts university, one might expect incoming students to have had more practice writing in their high-school classes than Caltech freshmen would have had time for (after taking all the science courses their high schools had to offer, instead of whatever advanced liberal arts courses were available). However, approximately 25% of freshmen are required to take the equivalent of Basic English Composition there (Lit 151), and if you count the other Literature courses (which also focus on writing, but with more emphasis on getting feedback on finished work from the professor than on studying writing techniques in isolation and then applying them) then 95% of Princeton freshmen are required to take "Remedial English," not 25% as here! I hope that this points out that composition courses should not be considered as "remedial" courses in the same sense that a grammar-and-spelling course would be: the ability to write well (i.e. convinc-

ingly, concisely, and entertainingly where appropriate) is not a measure of innate intellectual ability, but an acquired (or at least acquirable) skill. Freshmen who are required to take Basic English Composition should not look on themselves, or be looked on by others, as having been accused by the Institute of being dim bulbs who failed to learn in elementary school not to write sentences like "A fool and their gold is soon parted." The sad fact is that most American public school, anyway, do very little to teach those acquirable writing skills; my own high school offered exactly one composition course, which was a senior-year elective for college credit, and taught very little composition in the regular English courses. Thus both Princeton and (to a lesser degree) Caltech want to make sure that students have learned some writing skills by the time they leave, and the writing test is the only way they have to evaluate individual students' existing skills without questioning them in detail about their earlier English courses.

In summary, I hope that undergrads will not read general grad attitudes toward undergrads into Chris Tinney's letter, at least not without talking to more grad students than just Chris and me; and I hope that freshmen, especially those who are required to take Basic English Composition, will not look on the course as "Bonehead English," into which students who "fail" a writing test are flushed.

Mark D. Looper
G7 Physics

To the Editors:

Chris Tinney's statement that graduate students have a "more balanced view" simply because they attended a different college is ridiculous. It qualifies as the most unbalanced view on college that I've ever heard. Thanks for a good laugh, Chris.

Jessie Haldeman

THE CALIFORNIA TECH

Volume XCIII • Number 5
October 25, 1991

EDITORS
Andy Crews
Delwyn Gilmore
Jon Liljebald

CRIME BEAT AND PHOTO EDITOR
Rajan Ranga

WRITERS
Ned Bowden
Chris Buchner
Celene Chang
Roshan Kumer
Ali Mortazori
Nick Porsinsiriak
Shane Saubi
Andrew Zug

COLUMN WRITERS
Zack Berger

BUSINESS MANAGER
Sonny Arcilla

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.

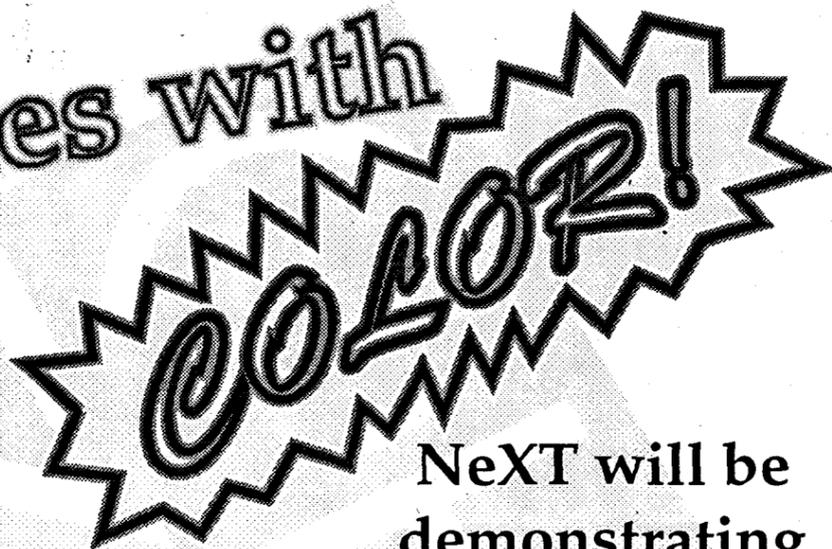
Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The editors reserve the right to abridge and edit all submissions for literacy, expediency, or anything else. Turn in copy (preferably on Macintosh 3.5 inch disk) to the Tech mailbox outside SAC room 40. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 pm.

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

BLACK FRIDAY

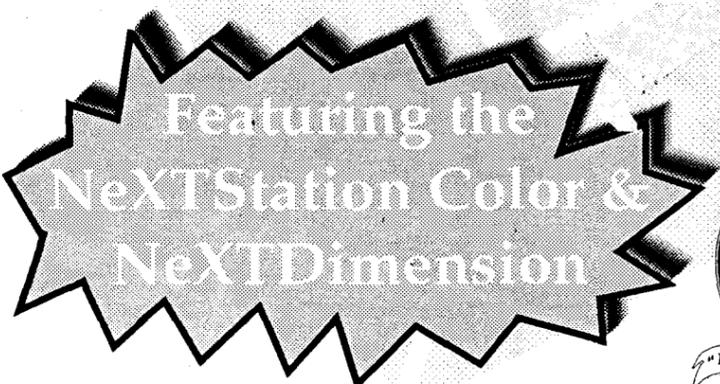
Explodes with



NeXT will present solutions for Personal Productivity Business Mathematics DTP, TeX, and PostScript Programming Multimedia & Much More

25 Mhz 68040
25 Mhz DSP
8Mb Memory
105 Mb Drive
2.88 Floppy
15 MIPS
NeXTStep Mathematica

NeXT will be demonstrating its entire product line, from 9:00 - 3:30 TODAY in Winnett Student Center



Presented by NeXT Computer, Inc. and CaJUN, Caltech and JPL Users of NeXT, who invite you to their meeting tonight at 6:30 in 201 E. Bridge

To the Editors:

I was extremely surprised to walk down to the lounge and see a ballot box on the table. And even more to my surprise, it was an election for the office of Junior Class President. Now, while I realize that there is a need for this office to be filled since the last election had rendered a "no" vote, I do believe that this election should have been more widely publicized. I, along with nearly every junior in Fleming House with whom I spoke, had no idea that this election would occur. When was the announcement made? When were the election statements made? It just makes me wonder if the person who was really interested in this office was unaware that the election was even taking place.

I ask that in the future, more care be taken to ensure that the next election is better publicized and that those students that will be voting are aware of the election deadlines.

Jessica Nichols
Junior, Fleming House

Dear Editors,

I have now been here for three years and am completing what is hopefully my last year at Caltech. The changes that have occurred in the past three years have been great and in my opinion very few of them have been for the better. Once again the students are upset with the administration and once again I am wondering if it makes any difference.

The real reason I am writing this letter is not to list the many problems of Caltech, but simply to point out a recent article in U.S. News and World Report. About a month ago I was in a bookstore and came across the annual college rankings done by this magazine. Once again, I was proud to find Caltech ranked in the top five. This year we were tied for fourth with Princeton.

What disturbed me was the rankings in the categories that determined our position. More to the point, Caltech was ranked 24th in student satisfaction. We were no-

see letters page 4

Syllabus: Welcome to the Lecture

by Zack Berger

Welcome to The Lecture.

The Lecture has been many months in detailed testing; we hope you'll enjoy it.

The Lecture should not be attended by those with high blood pressure, asthma, or heart trouble. Please direct your attention towards The Lecture Door, and the clown with the bulbous red nose. No one shorter than this clown is allowed to attend The Lecture. By attending The Lecture, you (The Student) assume responsibility for all mental and physical distress suffered. The Lecturer is not liable for any damage incurred by The Student.

The Assistant (T.A.) is now gathering your tickets. If you wish to attend another Lecture, please ask T.A. for a yellow ticket; this you will take to the Lecturer. Upon receiving his signature, give the ticket to the Box Office, which will issue you a ticket for another Lecture. Please decide now if you want to attend the Lecture. After a certain point, no one is allowed out of The Lecture.

No Student without a ticket may attend The Lecture. Tickets may be bought at the Box Office at a cost of \$5000/term. The Lecturer is not responsible for the safety of any Student who does not buy a ticket. The Lecture is about to begin.

Stay in your seats, and please do not get up during The Lecture. Fasten your seat belt firmly; make sure the securing bar is lowered before The Lecture begins. T.A. will make sure that The Students are secured.

Do not let your arms or legs hang out of your chair during The Lecture - at times, The Lecture's speed is over five hundred words a minute. You are strongly advised not to leave The Lecture while it is in progress.

The Lecture will last approximately one hour.

Have a pleasant Lecture.
The Lecturer

FRIDAY NIGHT ASCIT MOVIE



BAXTER L.H. \$1.50 ASCIT types
7:30 AND 10:00 PM \$2.00 for others

NEXT WEEK Hannibal Lector kills in
SILENCE OF THE LAMBS

Sonny Hughes
Nippers
... "It's a Salon"

Caltech,
Thank You
for Your Support

Continuing Special
Discounts for our
Friends at Caltech

Corner of Lake and California

(818) 304-9768

LAEMMLE THEATRES

ESQUIRE

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

COLORADO

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

House Party 2

The Pajama Jam

Daily 5:30, 7:45, 10:00 p.m.
Sat-Sun Matinees 1:00, 3:15 p.m.

Lily Tomlin
in

The Search for
Signs of Intelligent Life
in the Universe

Daily 4:30, 7:00, 9:30 p.m.
Sat-Sun Matinee 2:00 p.m.

Must end soon!

Pasadena Computer Center

Office Hours: Mon.-Fri. 9am-6pm, Sat. 10am-6pm
1756 E. Colorado Blvd, Pasadena, CA 91106 Tel: (818) 568-1088 Fax: (818) 568-9132

286-12MHz, 40MB HD and VGA

- 80286 12 MHz, 0 Wait State
- Landmark = 16 MHz
- 1024K Memory, up to 4 MB on Board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 40 MB 28 ms HD & 1:1 Interleave FD/HD Ctrl
- AT I/O : 2 Serial/Parallel Ports
- 8 Expansion Slots, Real Time Clock & Calendar
- 101 Enhanced Keyboard
- Mini Tower Case & 200 Watt Power Supply
- 80287 Co-Processor Socket
- 16-Bit VGA Card w/256K & 14" VGA Color Monitor

SALE PRICE----- \$795.00

386SX-20MHz, 40MB HD and SUPER VGA

- 80386SX 20 MHz, 0 Wait State
- Landmark = 20 MHz
- 1024K Memory, up to 8 MB on Board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 40 MB 28 ms HD & 1:1 Interleave FD/HD IDE Ctrl
- 8 Expansion Slots, Real Time Clock & Calendar
- 101 Enhanced Keyboard
- AT I/O Card : 2 Serial/Parallel Ports
- Mini Tower Case & 200 Watt Power Supply
- 80387SX Co-Processor Socket
- 16-Bit VGA Card w/512K & 14" VGA Color Monitor

SALE PRICE----- \$1095.00

Look At Our
Customers From....

- UCLA
- USC
- CALTECH
- JPL
- PARSONS
- CITY OF LA
- CITY OF HOPE
- COUNTY OF LA
- OCCIDENTAL COLLEGE
- AMBASSADOR COLLEGE
- AME
- TICOR INSURANCE
- TL ENTERPRISES
- SUNBANK ELECTRONICS
- AND MORE

386DX-25MHz, 85MB HD and SUPER VGA

- 80386 25 MHz, 0 Wait State
- Landmark = 34 MHz
- 1024K Memory, up to 8 MB on Board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 85 MB & 19 ms HD & 1:1 Interleave FD/HD Ctrl
- 8 Expansion Slots, Real Time Clock & Calendar
- 101 Enhanced Keyboard
- AT I/O Card : 2 Serial/Parallel/Game Ports
- High Class Mini Tower Case & 230 Watt Power Supply w/Digital Display
- 80287, 80387 & Weitek 3167 Co-Processor Socket
- Super VGA Card w/512K
- 14" Super VGA 1024x768 Res. Mon. 0.28 mm Dots

SALE PRICE----- \$1195.00

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

- 1: NAME BRAND COMPONENTS
- 2: UNBEATABLE 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

386-33MHz, 64K CACHE 130MB HD and SUPER VGA

- 80386 33 MHz w/64K Cache Memory
- Landmark = 53 MHz
- 4 MB Memory, up to 8 MB on Board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 130 MB & 17 ms HD & 1:1 Interleave FD/HD Ctrl
- 8 Expansion Slots, Real Time Clock & Calendar
- 101 Enhanced Keyboard
- AT I/O Card : 2 Serial/Parallel/Game Ports
- Middle Size Tower Case & 250 Watt Power Supply
- 80387 Co-Processor Socket
- Super VGA Card w/1 MB
- 14" Super VGA 1024x768 Res. Mon. 0.28 mm Dots

SALE PRICE----- \$1595.00

One Year Parts and Labor Warranty.

486DX-25MHz, 256K CACHE 200MB HD and SUPER VGA

- 80486 25MHz w/128K On Board Cache Memory
- CPU Built-in 8K Cache and 487 Math Co-Processor
- Landmark = 115 MHz
- 4 MB Memory, up to 16 MB on Board
- 1.2 MB & 1.44 MB High Density Floppy Drive
- 200 MB Hard Drive, 17 ms
- 1:1 Interleave Dual FD/HD Controller
- 101 Enhanced Keyboard
- AT I/O Card : 2 Serial/Parallel/Game Ports
- Middle Size Tower Case & 250 Watt Power Supply
- 1 MB Super VGA Card Display 256 Color on 1024x768 Res.
- 14" Super VGA 1024x768 Res. Mon. 0.28 mm Dots

SALE PRICE----- \$2695.00

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.

★ BE AN EXPERT !!



★ WORDPERFECT

★ LOTUS 1-2-3

(EARN \$25-30K)

● IN JUST SIX

SHORT WEEKS !!

● NOV. 4 - DEC. 18

● LIMITED (10) SEATS

CALL NOW (818) 449-9710

- Also 6-month Diploma Courses:
Computer Accounting & Office Automation
- Approved by State of California

MT. SIERRA CAREER COLLEGE

111 S. HUDSON AVE.

PASADENA

from letters page 3
where near the top five in this category. I wondered then, how we could be ranked so high with such a low student satisfaction rating. Well, according to the article, student satisfaction only accounts for 5% of school's overall score.

This seems rather silly. Student satisfaction, in my student oriented opinion, should account for much more. What does it matter if a school has a great faculty and great facilities when the faculty can't or won't teach? What does it matter that Caltech has some of the best labs in the world, when it doesn't have a decent student center?

Caltech was created to produce the world's best scientists, not the most cynical. A fellow student once commented that "Caltech beats the love of science out of its students." My own observation is that "Caltech is a school for scientists, but not for people."

Once again I feel powerless. I will send this letter to the *Tech*. They will probably publish it, and some of the students and faculty will read it. Someone might even come up to me and say it was a good letter and they were glad it was in the newspaper. It is far more likely, though, that my only response will be another letter, or two, or three, that will appear in the *Tech* next week. It

letters

will argue that my view is not shared by many students, or that the administration is just doing what they have to, or that we're better off than most other schools. Thus, in the end, the overall difference I will have made will be absolutely nothing. The changes that need to be made are in the attitudes and goals of this institute and the people powerful enough to make these changes will never read my letter or anybody else's, unless I send it to the *L. A. Times* or the *New York Post*... hey, there's an idea!

Shane Sauby
1-55, Ruddock

An open letter:

During the week of October 16, the Caltech Lesbian and Gay Society held several events to celebrate National Coming Out Day. They posted notices around campus the week before to advertise these activities to interested members of the community. Before all of the events named on these fliers had occurred, most of those fliers had been removed.

In particular, the notices posted around the undergraduate student mail boxes on the Olive Walk were

removed, while out-of-date fliers were left undisturbed. Many of these out-of-date fliers had also been up before the CLAGS fliers were posted, so it is reasonably clear that this is not an instance of all the notices around the mail boxes being removed indiscriminately.

This incident raises issues that we will face throughout our lives. Because we are part of a diverse community, and because we are responsible for our own self-government, it is necessary that we begin to consider them seriously now.

It seems clear that someone discriminately removed these fliers, depriving CLAGS of the opportunity to advertise their events to the undergraduates in the same manner that other clubs and organizations do. It may have denied interested undergrads the opportunity to participate in these events because they were not aware of them.

The action in this instance is more easily examined than the motive behind it. Whoever took these fliers may have done so because he was offended by them, or because

he did not feel that CLAGS had the right to advertise their events in this manner. Others are offended by censorship, or by the inequality in treatment of different groups on campus. There are as many different value systems represented in the Caltech community as there are people. We must think about what we will tolerate from others, and what tolerance of our beliefs we may expect in return.

We should also consider whether or not the actions we may take freely differ in different places. Is it our right to place fliers, or to interfere with their placement, on the Olive Walk? In a House lounge? In a hallway? In our rooms? In our classrooms, labs, or offices? Are there appropriate places to express ourselves, regardless of the belief systems of others, such as a newspaper or a public place? In a place where many people live, such as a House, must we be more respectful of other people's feelings, since it is their home as well? I hope to see some discussion of these issues in future editions of the *Tech*.

Cathy Hafer
Chairman, B.O.C.

Motorcycle Helmet Law

Dear Editors,

I am writing in reply to Marty Gould's letter regarding the mandatory helmet law going into effect on January 1st. It seems very clear that the author has not explored this issue in any depth, as he seems to mostly present a 'knee-jerk' reflexive response to motorcycling. Never before has any issue stirred such anger and controversy within the motorcycling community. The arguments for and against this law are so numerous that they cannot even be touched upon here, such as Dick Floyd's falsifying the evidence used to introduce the bill to the state congress. Only a few good reasons for not having a helmet law, at least in its current form, will be presented here.

A full face helmet (the only kind the market produces in quantity, and the only kind approved by most states) severely impairs my peripheral vision and hearing. As a result, it is very difficult to know where cars or pedestrians are, and one definitely experiences a certain amount of loss of control of one's bike. Try driving a car for an extended period of time while wearing one of these helmets, and see how much you like it. This handicapping of one's riding ability greatly outweighs any perceived benefits of wearing a helmet.

These benefits are, indeed, only perceived. Certainly, a helmet may be of some use in a collision, but it almost certainly helped cause the collision to begin with. It will certainly be of little or no use to the rider if he or she is not wearing heavy boots, gloves, pants, and a strong jacket.

Finally, consider the cost of the helmet law to each rider. A good helmet costs between \$100 and \$250. For those who choose not to wear a helmet, consider their penalties as compared against drivers who don't wear seat belts. You can and will be stopped solely for not wearing a helmet. The first offense includes a fine of over \$100, which increases greatly for multiple offenses. It is a moving violation. If your passenger is unhelmeted, it is two moving violations. You also get a correspondingly outrageous number of points on your license, so that within a few offenses you won't be driving anymore, anyway.

These are just a few things to ponder. Numerous organizations can give more details, including plans to help fight the helmet law.

Jason Surace

VISIONS OF A SUSTAINABLE WORLD

Caltech Centennial Symposium
Beckman Auditorium
October 27-30, 1991

EVENING PUBLIC LECTURES

Sunday October 27, 7:30 p.m.
Murray Gell-Mann

Tuesday October 29, 8:00 p.m.
Donald Kennedy

MONDAY, TUESDAY, WEDNESDAY SESSIONS
8:30 a.m. to 5:00 p.m.

Symposium Participants

Gregory Benford
Al Binger
James Bonner
Norman Brooks
John Bryson
Bruce Cain
Glen Cass
Sunney Chan
Harlan Cleveland
Partha Dasgupta
Lance Davis
J. Michael Davis
Jared Diamond
Carl Djerassi
William Drayton
Sylvia Earle
Joshua Epstein

Thomas Everhart
John Gardner
Murray Gell-Mann
Duane Georgeson
Robert Gillespie
Hassan Hathout
John Holdren
Leroy Hood
John Hopfield
Shirley Hufstедler
Paul Jennings
Donald Kennedy
John Ledyard
Gentry Lee
Paul MacCreedy
Jessica Mathews
Russell Mittermeier

James Morgan
Lloyd Morrisett
Bruce Murray
Mary Nichols
Roger Noll
Peter Ordeshook
Jane Pisano
Paul Portney
Roald Sagdeev
Daniel Schorr
J. Gustave Speth
John Steinbruner
Alvaro Umaña
Maurice Van Arsdol
Robert White
Zach Willey
Robert Williams
Edward Wilson

WALK-IN REGISTRATION SUNDAY, MONDAY, TUESDAY, AND WEDNESDAY
Name badge required for admission into Beckman Auditorium

Caltech JPL Faculty Students Staff - NO REGISTRATION FEE
Box Lunches - \$10.00
More information - 356-2189

Note to *On Campus* readers: Murray Gell-Mann's keynote lecture was inadvertently left out of the October issue "Visions" article and calendar.



ACADEMY BARBER SHOP

27 N. Catalina Ave., Pasadena
Open Tues.-Sat., 7:30 a.m. - 4:30 p.m.
449-1681

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

Speedy Research

Reports: \$5.00 per page
Over 50,000 topics and clippings.
Materials for research assistance use only!!
6546 Hollywood Blvd. 2nd Floor, Rm. 209
Los Angeles, CA 90028
Hours: M-F 10:30-6:30 Sat. 11:00-4:00
Custom Research Available
VISA/MC
Call Today! (213) 463-1257

The Inside World

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:
Blacker: Walker Aumann & Noam Bernstein

Dabney: Rob Hanna

Fleming: Jeff Pasquino

Lloyd: Jennifer Yu & Craig Smith

Page1: Chinley Chang

Page2: Paquito Gomez & Jason Trevor

| | | | |
|----------|---|---|---|
| Blacker | 0 | 0 | 2 |
| Dabney | 0 | 0 | 5 |
| Fleming | 3 | 1 | 3 |
| Lloyd | 1 | 3 | 1 |
| Page | 0 | 0 | 4 |
| Ricketts | 4 | 2 | 0 |
| Ruddock | 2 | 4 | 0 |

| | |
|-----------------|---|
| 1 ST | 2 |
| | 5 |
| | 7 |
| | 5 |
| | 4 |
| | 6 |
| | 6 |

BLACKER

Tommy's Triple Threat Triathlon Relay

Teams: Each participating team may have up to three members. You can attempt to do this as a one person team, but we advise against it. An alley may field more than one team, but no individual person may be on more than one team. Teams should consist of members from only the alley they represent. Any alley social memberships should be checked with da Veeps before Sunday at noon.

Set Up: The first person on the team will begin at Oxy and will have enough money to buy a triple threat. The second person will begin at Tommy's in Eagle Rock with a bicycle. The third person will begin beside the pool.

Procedure: The first person on the team runs to Tommy's and orders a triple threat. A triple threat is one double cheeseburger, extra chili; one chili dog, extra chili; and one chili tamale, extra chili, hold the tamale. The runner must then eat one part of the triple threat, part meaning one of the three distinct portions of the triple threat. Once finished, the remainder is handed off to the biker who must, in some order, eat another part of the triple threat and ride back to campus ferrying the remainder of the triple threat. The biker may eat before, during, or after riding. Dropping food while riding will penalize the team unable to hold onto its food. Once both of these have been completed, the last part of the triple threat is given to the swimmer, who must, in some order, eat the rest of the triple threat and swim once across and back the length of the pool. The swimmer may eat before swimming (remember to wait 30 minutes after you eat before swimming... or not), or carry the food while swimming and eat after finishing the lap.

Alleys will be ranked on the amount of time they take to accomplish this. The Veeps are not responsible for psychological damage resulting from people swimming immediately after eating, just like their mothers told them not to do. Such persons should talk to a UCC...waitaminute.

All rules disputes will be settled in a manner that the Veeps find vaguely amusing.

DABNEY

So... Can you believe it? An Inside world after so long we'd thought we'd never see one again. This is a very important inside world though because it has a special message. I want all of you freshmen males to pay attention because this inside world may change your life. Trust me, the more you believe the following the more enjoyable your life will be. This inside world is specially dedicated to all of the men around Dabney House who are alone and bitter (This means you Laureant and Paul.) Even I am not beyond reproach in this matter. But enough formalities, it's time for something I printed once before, oh so long ago...

The Top Ten Reasons Why Physics Is Better Than Sex

1. Physics is always hard.
2. Your pencil can be as long or as short as you like and nobody will care.
3. You can do physics all night long.
4. Quantum Mechanics never gets jealous

- when you switch to your math homework.
5. You don't have to put that funny rubber thing on your pencil.
 6. You can scream out any physicist's name while doing a problem and it won't get you into trouble.
 7. Maxwell's Equations don't care if you take them to dinner first.
 8. Physics won't ask for a deep emotional commitment.
(This one could be false.)
 9. You can do physics with anyone.
 10. You don't have to ask your Hamiltonian who it has been with during the last five to seven years.

Now I want all of you to think long and hard about this and see how it can help your life. And when you think about it, is sex all that great? I mean with today's society and all this disease and stuff running around it's just downright dangerous out there.

Besides, it's really a very emotionally messy process and it only lasts for a couple of hours. Just think of all the work you could get done in that time. Are you convinced? Well I sure hope that I can at least convince myself of this undeniable truth. I'm workin' on it. See ya'll next week.

-roberto

PAGE 1

Well, welcome back to the Page House Sporting Line! Get ready as awesome volleyball action returns to Caltech! Yes, it's true, the Page House Volleyball Tournament is back! The overwhelming favorites are of course Todd "King o' the Court" McLaughlin & Greg "Todd's Assistant" Dudey, but clearly the team with the most style and all-around studliness is that of Chinley "Hawaii-five-o" Chang & Jimmy "Jimbo" Hu. Many fine teams from last year's tournament are returning, including Hootan "My chest is too big to play volleyball!" Hidaji & Nhat "the Nhatster" Nguyen, Brian "Butt" McAllister & Ryan "the Flyin' Hawaiian" Naone, and of course, last year's finalists, Emmeline "Madame

President" Naranjo & Rob "Just-because-I'm-a-kind-peace-loving-guy-doesn't-mean-I-can't-spike-in-your-face-and-leave-your-bleeding-corpse-in-the-dirt" Liu. Also returning are Rob "Those professional guys are okay but now that I'm a left-handed hitter..." Whiteley & Taletha "T" Derrington, who will no doubt distract their opponents with their between-point antics. (Get a room, guys) While we're on the subject of oldies but goodies, let us not forget the team of Fred "Level 13th Actuary" Upton & Brooks "Fester" Bishofberger. ("I've been here a loong time...") With a combined twelve years at Caltech, their experience will definitely prove to be a factor. (And we'll look forward to seeing them again in next year's tournament.) And what would a volleyball tournament be without its sponsored teams? Representing the Caltech Chinese Students Association is the team of Rich "Dick" Chiu & Kevin "Xiaohui play a game?" Wang, and representing the Page House Waiters is "the Twin Towers," Fred "Slowpecker" Sloneker & Carl "Tex"

Feierabend. With a combined height of 12'9", the Twin Towers are definitely a team to watch out for. Let's just hope that Tex is as adept at knocking down spikes on the courtyard net as he is at knocking down the courtyard net itself. On the flip side, we have the teams of Eric "Used him like a —!" Stout (6'2") & Won "Big" Bang (5'5") and George "Papa said knock you out" Papa (6'5") and Emerson "Big E" Tongco (5'2") trying to prove that it isn't size that's important but rather **size differential**. Of course, volleyball is a game of momentum, and with such action-packed and emotional matches, the crowd response will be very important. Although the Page House studs, "White-ass" Bryce Elliot & Dan "Fru" Frumin are likely to be the crowd favorites, (Not!) the team of Mike "Glom" Wong and Seiya "Oh no!" Fukuda are sure to corner the short-oriental-female vote. Well, that's it from the Sporting Line, and see ya on the courts! (Special thanks to Greg Dudey for organizing the whole damn thing.)

PAGE 2

OH SHIT! IT'S THOSE DAMN PAGEBOYS!

Okay, so I'll bet some of you are wondering, why hasn't there been an inside world from Page House. Well, good question. Here's an answer for you, we've been so busy as hell partying and having a great time, that we forgot. Oh well, we sure had a good time.

Rotation ended, and Rape Week started (it's just called that, we DO NOT actually rape them, AIMEE). Well, these frosh proved themselves to be about as lame as last year's frosh class; they never did shower the three rotation chairmen, but they still had fun. There was a big raging water war which had the whole house smelling like the inside of Sloneker's shoe. The best thing was when they took it out of the house, over to lloyd. But the lloydies weren't ready to have such fun, they wanted to study. (Aimee, you're so beautiful when you are pissed.)

The week ended with a raging party. Everyone showed up. By the way, Kim, I believe you have met my friend, Jim Werner. You should have taken him up on the offer for coffee afterward, he's a real nice guy. Well, the party went well, and we all had a blast (and got blasted). Paco was busting a move (but she'll remain nameless to protect the guilty), and Ryan opened up his John

Travolta School of Dancing. Everything at the Bar went well, and with the Rudds carding, no one under age was served. (We always follow DAPAC around here.) In the end, Derek Surka called out, "Last Call for ALCOHOL!", and after One Bourbon, One Scotch, and One Beer (three times), life was good. God damn it, I was hungover. (But don't get me wrong, I would never violate DAPAC.)

This Saturday, we sent some people to the beach, and here is Jason to tell you about it and all the other events this weekend. Well, I'll tell you, the trip to Huntington was quite exciting. First, there was the ride in the ASCIT death mobile, with chip driving like a wildman and Chris Hare leading him. (It was kind of a blind leading the blind thing.) Finally, we saw a giant bank of fog approaching and we knew that we would be in for a hell of a time at the beach, if we could see it that is. Things turned out okay though. We didn't have any grill racks for the food, but that was okay, because Monica and Pedro got us some small and very sandy grill racks. I woke up the next morning and shit a sand castle; the sand sure cleans out the bowels, but it hurts like a bitch when it passes. On the way home, we got lost. But it was great, better than Magic Mountain.

After arriving back at tech Tobe and I took in all the great events that were happening around campus. First, we hit Winnett lounge and the CCSA dinner and dance. We hit the buffet. It was all you could eat Chinese food; Everybody was hungry an hour later. Afterward, there was the dance, and the people who were there looked like they were enjoying themselves, but we had to

move on. Next, we visited the Del where the first meeting of the all new Canadian Club. They were having a good time watching the L.A. Kings kick some ass, and drinking some "strange brew" of their own. We had other parties to hit so we proceeded on to the party at 230 Chester. Silly lloydies, you forgot the pineapple juice in the zombies. In the end, Tobe and I went back to campus for yet another night of sobriety and abiding by DAPAC (not).

All right now, thanks Jason. You know what, you can really learn a lot about people's true desires when they are drunk. For example, we learned that Derek really wants to succeed Bing Crosby in singing "White Christmas". He's going into the studio next week. Paquito really wants to open up a car wash; man he can hose those things down. Tim Nelson wants to perform "The Bulls" on Saturday Night Live with Todd Gotula and Jason, but believe it or not, Jason really wants to be an engineer, not the Caltech type of engineer, but a train engineer. Okay, let me tell you a story:

So, Jason was enjoying himself one night, and he came in kind of drunk (quite drunk, actually). Well, he would not go to sleep, no matter how hard we tried to leave him in his room. We thought he was done for after the technicolor belch on his bed, but we were wrong. He crawled by the room, making a noise like "Chugga chugga chugga chugga", and he looked at us and went "Toot Toot!", and on he went. All right, so I thought it was funny.

Now for some Page House news. We've got this two-man volleyball thing going on in Page. There are two divisions, one for

PAGE 2

Continued . . .

those who are really serious, and one for those out to have a good time. Paquito and Tim will kick ass in the volleybeer division, but the other division is up for grabs.

Okay, so here are the results from Frosh elections:

as Bell Frosh, Sequoyah Aldridge,
as Change Frosh, Geoff Smith,
as Birthday Frosh, Tim Nelson,
as Work Frosh, Jason Trevor
and Finally, as BEVERage Frosh, David Simpson.

Speaking of Work Frosh, he broke that indestructable lucite phallus while in a drunken rage in phlegming house, where the men are men, the women are men, and the thundering herd runs real fast. His rod is quite red, now, and a couple of inches shorter.

Greased Frosh Races are this Sunday, so we'll see you lloydies then. (You can shower with us, Aimee.)

Okay, so we've got some interesting house events coming up. In two weeks, we are making a house trip to the Chicken Ranch over in Bryce's home state of Texas (that's a whore house for all you clueless fucks!). The house will cover all the costs, but we're hoping the DRL will cover the transportation and "personal protection." House Event! EVERYBODY COMES!

Well, that about wraps it up for us. Enjoy the weekend, there is a raging Halloween party, once again, Page will be checking IDs (so none of you minors will be served), and Ruddock and phlegming bartenders will be serving excellent drinks, unlike those served at the 230 Chester this weekend. (but don't get me wrong, I don't drink, I love DAPAC). Well, we'll see you later, and remember, DAPAC no, Six-pack yes.

—BASTARD and the Work Frosh

LLOYD

GOOD EVENING, AND WELCOME TO LLOYD HOUSE

Lloyd House is located in between Page House and Ruddock House. There are many members of Lloyd House. The House is run by a democracy - NOT a dictatorship. There is an elected body of officers, the Lloyd House Executive Committee.

Aimee Smith is the President of Lloyd House. The duty of the President is to be receptive to and represent the House's views. The President leads dinner announcements, attends IHC meetings, and runs rotation meetings. **Being a President is difficult.** We have a Vice-President too. He is Rob Rickenbrode. He has brown hair and rides a skate board from time to time. He fixes things, cleans the tool room The use of water balloons as projectiles aimed at freshmen is considered hazing? and runs UCC meetings. **Being a Vice-President is difficult.** The Secretary is Jen Remine. The Secretary takes the Ex-Comm minutes, runs roompicks, and uses a great deal of paper. **Being a Secretary is difficult.** Joe Lauer is our Treasurer. The Sexism is a problem at Caltech. Treasurer holds the cash box and pays Lloyd House bills. **Being a Treasurer is difficult.** You can come to Lloyd House

and ask the rest of the Ex-Comm what they do. **Being a member of Ex-Comm is difficult.**

The Seniors of Lloyd House have been here for three years. It is the solemn duty of the Seniors to perpetuate the traditions of Lloyd House. **Most of them want to leave Caltech, none of them want to stay.** Some of them live on campus - some of them live off campus. The Juniors of Lloyd House have been here for two It is a BOC-able offense to refer to someone in an inside world without receiving their expressed consent? years. It is characteristic of this class to inform all classes under them how hard it is to be a Junior. **One could have left Caltech, but they all stayed.** Some of them live on campus - some of them live off campus. The Sophomores of Lloyd House have been here for one year. The Sophomores are just becoming enlightened with the concept of being on grades. **Some are realizing that they want to leave Caltech, but they are all still here.** A few of them are on campus - most of them are off campus. The Freshmen of Lloyd House have been here for less than a Where's Aaron? Have you seen Aaron? month. The principle duties of the he's getting mail here - is he in Lloyd? Freshmen are to answer the phone and be utterly clueless. They are on Pass/Fail. **They haven't been at Caltech long enough to want to leave.** All of them live on campus. Some people have been Sting is such a great performer in Lloyd House for at least four years - **and are still here...**

UpClassCo

Jim's Journal



Jim's Journal



FLEMING

All right. It's only the first damn term and already FLEMING is getting shit about how lame their Inside Worlds are. Well, what do you expect when a frosh writes them last year and someone named "Mom" writes them this year!! I figured someone with some balls should write them from now on and just tell it how it is, so here goes.

These frosh are fucking lame-ass little shits! I can't believe how lame they are. They've been here for no more than a month, and they act like they own the fucking place. Frosh not wearing shoes in the lounge!?! Only ten frosh washing during grand tour? I guess there's just too many of them — all 33 of them — so they seem like they're everywhere (except answering the damn phone). You would figure that at least one of the 33 would have a clue by now. And the next one I see better have change on him.

However, I don't hate the frosh (as hard to believe that may seem). So I would like to give them just a little advice:

TOP 10 THINGS frosh MUST DO TO BECOME FLEMS

10. Piss on Page Wall
9. Ring the Bellfrosh
8. Burn their hands with a soldering iron
7. Get their FLEMING shirts ripped/ torn/ shredded in a frosh wash or a Ruddock Basketball Game
6. Elect a head waiter from their class
5. Fail a class numbered 1 or 2
4. Get a clue
3. Play the Ride at 7A.M. during Midterms Week.
2. Violate D.A.P.A.C.
1. Get BOC'ed (it's the cool thing to do, frosh)

Oh, yeah. RA's night for ALLEY 5555555555!!!!!! What the hell was Roger talking about, and why? He reminds me of the kind of guy you'd see in a bar with no life except for telling trivial shit (and delivering mail or chemistry or some geeky shit like that). Which brings me to my second top ten list:

TOP 10 THINGS THAT ARE WARM AND CAN KILL YOU

10. Steam Tunnels

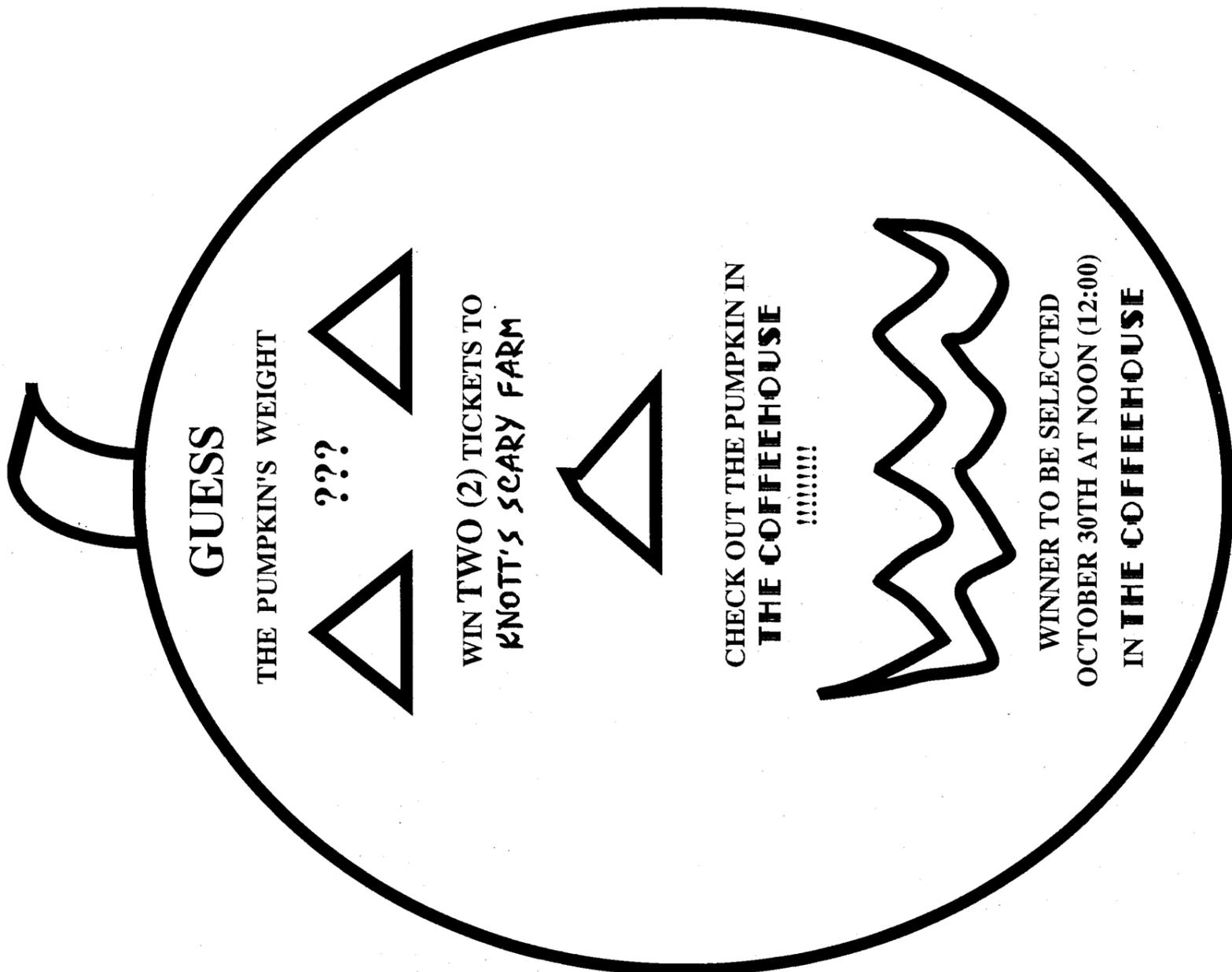
9. L.A. air
8. Snipes
7. Smoking clove cigarettes
6. Dabney Hot Tub
5. The stench in Ruddock
4. Board food
3. A hooker on Sunset Blvd.
2. Jason Trevor's breath after a Canadian Club meeting
1. An 18th-Century blanket infested with Small Pox (ask Cliff)

One last comment on Cliff — his buddy Norm. What's the deal with calling the barman/ beermeister "Skippy"??

Well, I'm getting pretty fucking sick of sitting in this compuslimy place. I'm surprised there isn't a frosh in here playing a game — I guess they are all snaking away, working on homework due next Wednesday or something. I hope the Rudds who run the oh-so-important rating point race (right up there with Interhouse in importance) like this Inside World enough so they don't have to go find an old Inside World to print under our space. *[It's a little better. Keep working on it. - Ed.]*

That's it. I'm outta here. DABRAVES!!!!

- da wop



This Week

California Book Faire

The 15th California Book Fair returns to the Glendale Civic Auditorium, 1401 North Verdugo Road, Saturday and Sunday, Oct. 26 and 27. Nearly 200 bookdealers from all over the United States, Canada, and Europe will be exhibiting and selling hundreds of thousands of books, prints, maps, autographs, photographs, ephemera, and much more to thousands of first time visitors as well as book fair regulars.

Admission is \$5.00. For information call (805) 641-2665.

Vienna Choir Boys

The Vienna Choir Boys will be giving a matinee performance on

Saturday, Oct. 26 at 3 PM at Caltech. Tickets are \$25, \$22.50, and \$20. Student/Senior Rush and children's tickets are available for \$7.50 beginning 1 half-hour before performance. For more information, call (818) 356-4652.

Elmer Gantry—La Jolla Playhouse

Elmer Gantry, a New Musical, plays at the La Jolla Playhouse through November 24 in the Mandell Weiss Theatre. Set in the depths of the Great Depression, Elmer Gantry is a story about a failed minister-turned-travelling-salesman and his encounter with Sister Sharon Falconer, an evangelist trying her wings on the revival circuit. Based on the Sinclair Lewis explosive 1927 novel of the same name, the play is a gospel/rhythm-and-blues/folk/early jazz/country

music laden musical.

Tickets for all performances are on sale at the Playhouse Box Office (Mandell Weiss Theatre). Tickets are \$24 to \$32. Performances are Tuesday through Sunday evening at 8 PM; Saturday and Sunday matinees at 2PM. Tickets at discount are offered to students, seniors, UCSD faculty/staff, the military, groups of 15 or more. A limited number of student rush tickets is available one hour prior to curtain. Call (619) 534-3960.

Pasadena Symphony Orchestra

The Pasadena Civic Orchestra will be having a concert at the Pasadena Civic Auditorium on Saturday, Oct. 26 at 8:30 PM. The performance is in honor of Caltech's Centennial Celebration. Pieces to be played include *The Planets* by Holst.

Broadway Musical Review

Shane Sauby

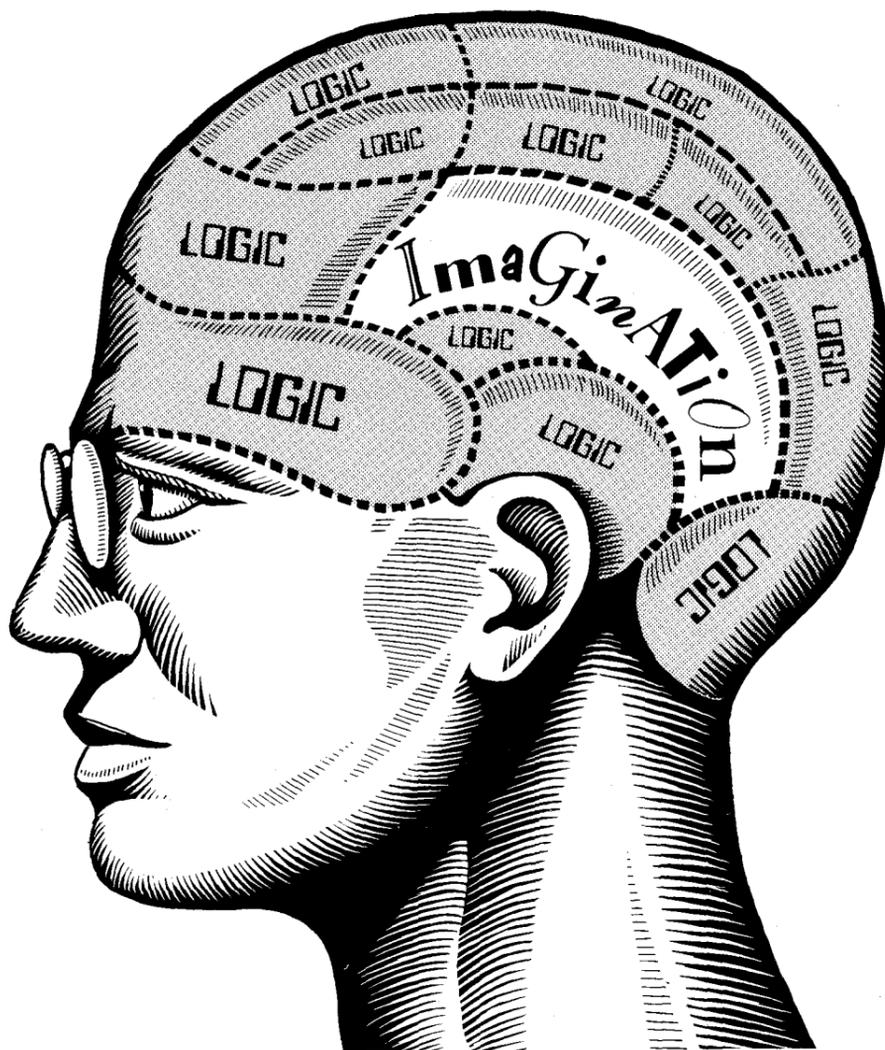
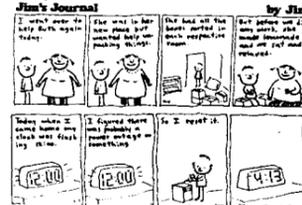
Last weekend I went into Ramo Auditorium to be entertained. I was with a whole group of people, and we sat in the front row of the *Broadway Musical Revue*. When we left, there wasn't a single displeased person in our group.

This show is funny, entertaining, and very well directed. It flows very well, from one scene to the next, changing the moods with simple lighting effects. The singers and dancers are all very high energy performers and draw the audience into the songs quickly.

Special mention should be made of Rob Knop and Deepto

Chakrabarty, who were the stage and musical directors respectively. They are both graduate students, which makes this production one of the few almost all student shows at Caltech. It is quite apparent that they, and everyone else, have put a lot of hard work into this.

So come on out this weekend, on Friday or Saturday night at 8, spend the five dollars and see this wonderfully entertaining show. There is one scene alone worth the price of admission, which makes the whole show a bargain.



Why Morgan is looking for a special breed of genius.

Graduates who have analytic talent sparked by imagination should consider market analyst and research opportunities at J.P. Morgan.

J.P. Morgan provides sophisticated financial services to the world's leading corporations and governments. This business requires that we manage more than routine risks. Our position as a global financial power demands it.

One key is development of strong, proprietary analytic models. They're critical to Morgan's moment-to-moment trading activities around the world. The success of our actions—whether for funding, trading, or risk management—relies on those models. Each day, they must pass the test in one of the world's toughest proving grounds: the financial markets.

To assure that success, we seek exceptionally talented, team-oriented individuals who have strong mathematical and computer modeling skills. Demonstrated mastery of computer-based decision and simulation tools is important, as is a desire to work in an environment that fosters and rewards superior performance.

Please plan to attend our upcoming information session.

Or contact Gail A. Gordon, J.P. Morgan & Co. Incorporated, 60 Wall Street, New York, NY 10260.

Career Opportunities at Morgan

JPMorgan

ASCIT ExComm Meeting 10/22

Two protests were filed after the recent election. The ExComm. met to decide the validity of these protests and recommend appropriate action to the ASCIT BOD.

One protest opposed the ASCIT BOD's decision to hold no further elections for the office of junior class president. The Committee noted that in the case of class offices (which are *not* ASCIT positions, per se), "Elections...for junior classes shall be held...at the discretion of the Board of Directors." The vast majority of the duties of junior class president involve the coordination of Mudeo, which is to be held on Sunday, November 3. If new nominations were to open immediately, the soonest that an election could be held would be on Monday, November 4, with a possible run-off on Friday, November 8. By that time, Amit, who has been acting president since third term last year, would have finished with the Mudeo. The Committee felt that any other person who might gain the office of president in a new election would be holding the position without having been responsible for most of the work associated with the office. Thus, the Committee decided that the BOD's permanent appointment of Amit as president is a fair action and is within its "discretion" with regards to class elections.

The second protest concerned the fact that insufficient publicity was given to the election. Article VIII, §1 stipulates that an announcement shall be published in the *Tech* that nominations for an office are open along with a list of candidates and statements preceding the election.

Club Homeboy Seeks Warm Bodies

by Andrew Zug

As the cross-country season winds down, the thoughts of men and women with buffed, beautiful bodies turns once again to Club Homeboy. For those of you new to this training Mecca known as Caltech, Club Homeboy is not an organization for would-be rappers or pop star wanna-be's (sorry). Rather, it is a club dedicated (?) to training for and occasionally racing in biathlons and triathlons.

The main event that currently has every Club member training hard (?) is the upcoming biathlon (duathlon for all you conformist types) at the Rose Bowl. This will be held on Saturday, November 23 at 10:00 AM. It tentatively is going to consist of a 5K run, 30K bike, and 5K run. The first run will be on trails while the second run will be on fast and flat roads. Free food and drink will be provided and we will probably have transportation to the Rose Bowl from Caltech if you don't want to ride your bike. If you want to do just the run or just the bike, no problem. Call Ned Bowden or Andy Zug at 585-8429 and we will hook you up with a relay partner. Past

Neither of these notices were given to the *Tech* to be published before this election. However, in light of the above issues, the Committee decided by a 3-1 vote that a new election would not be worthwhile. The Committee recommends that the earlier decision of the BOD stand, and that Amit Mehra remain junior class president with no further elections.

Homeboy events have drawn participants from all skill levels so don't be afraid to do it because you're out of shape. (Besides running really slowly and suffering innumerable pains in the process is great motivation to train, just ask Ned.)

What else do members of Club Homeboy do? Consider...

The time is early Sunday morning. The place, Fleming lounge. One Team Homeboy member says to another, "Man, where the hell is everybody?" Another replies, "Forget 'em. We wait for no wimps."

The scene changes. We join our studly heroes on the Angeles Crest Highway where they are on their bikes in the midst of the grueling ascent to Mount Wilson. The sweat pours from their brows, stinging their eyes and parching their mouths. They hurt in unnameable places. The elevation slowly crawls by, 3000 ft...3500....

Again the scene changes and we join our less studly heroes (hereafter referred to as wimps). We find ourselves in a dimly lit room. The quiet is broken only by the sound of snores that comes from a crumpled body on the bed. In the corner sits a new Trek 2100 composite bike, quietly and sadly unused. We shift now to Ruddock in search of Aaron, but he is nowhere to be found (Lloyd perhaps?) The search now goes to Marengo Street where we again find a wimp tucked comfortably in bed. And on Monta Vista Street we discover Jason. He tosses and turns and suddenly sits upright. He had thought he was on his bike painfully ascending a mountain. But no... no, it was only a dream.

We rejoin our heroes who have now reached the summit. The wind whistles through their hair as they walk as giants across the

CRIME AND INCIDENT BEAT

Crime tip: Car owners, watch your cars!!!

10/16 The victim's car was parked in the appropriate reserved space in the Business Services parking lot. During that time, someone forced the passenger side window open, broke the lock, entered the vehicle and stole the stereo. Extensive damage was done to the dashboard. Value: \$99.88

10/16 The victim's car was parked in the Tournament parking lot when someone forced entry into the vehicle and removed the stereo. Value: \$300

10/16 This victim's car was parked in the Chester parking lot. Upon returning, the victim discovered that the trunk lid was forced open and several items were removed. Value: \$900

10/16 This victim's car was parked in the north Lura parking lot when the victim discovered that two hubcaps were stolen from the car. A witness observed a suspect who was observing the victim's car. The witness noted the license plate number of the suspect's car. Value: \$70

10/16 A witness observed a suspect loitering in the vicinity of the vehicles parked in the Business Services parking lot. The suspect seemed to be playing with the door handles of a vehicle. When the suspect noticed he was being watched, he left rather quickly.

10/17 When the victim entered her office, she saw a suspect going through her drawers. The suspect had the victim's radio in one hand. The victim screamed upon observing the suspect and the suspect ran out of the office. Someone chased the suspect and finally found the suspect hiding in some bushes. Security arrived and took the suspect into custody. When questioned, the suspect stated that some friends said that you could steal things at Caltech. The suspect then took a bus to Caltech and entered a building to find something to steal. The suspect saw the radio and decided to steal it. Security then called the Pasadena police who came here and took the suspect into custody and transported to jail.

There were no really loud booms this week.

Total value lost: \$1,369.98

mountaintop. The women at the snack bar swoon at the sight of them as the clouds spread apart and gleaming, radiant shafts of sunlight illuminates their svelte figures. We leave our heroes as they prepare to enjoy the exhilarating 30mph, 40 minute descent from crest. Meanwhile, back in Pasadena, the bed-bound wimps are slowly awakening with groggy eyes and bad breath.

Anyway...besides biking to Mount Wilson (I hear frosh asking "Where is Mount Wilson?" Go look north to the mountains at night. The lights you see are from Mount Wilson.) we also do other things

such as an occasional bike ride to the beach (when school work will allow) or, more commonly, cycling around the Rose Bowl. (Don't let the Mount Wilson story fool you. Most members are not too intense. I mean, come on, we are at Caltech) In the past, Club Homeboy has also served as an unofficial liaison with the JPL Bike Club. For \$2 a year, you can become a member and will get a high-quality monthly newsletter as well as earn a 10% discount at numerous bike shops in the area. For more information on either Club Homeboy or the JPL Bike Club, call Ned or Andy at 585-8429.

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

20% OFF with Caltech ID
 Lunch or Dinner Dine-In or Take-Out

OPEN 7 DAYS
 400 S. ARROYO PARKWAY
 11AM-11PM Between California and Del Mar

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



Teach the world how to communicate.

At Interleaf, we've done it, with a history of innovation and first-of-its-kind technology we lead the market in document systems solutions. For nearly a decade, we've been at the forefront of providing state-of-the-art electronic publishing technology, helping organizations to convey information effectively.

Interleaf is interested in interviewing students with backgrounds in Computer Science, Applied Mathematics, Information Systems, Electrical Engineering or other disciplines, for entry-level technical consulting positions. Students must have a particular interest in and aptitude for working with clients in determining business and system requirements for document management solutions.

Along the way, we've pioneered several new technologies (workgroup publishing, sophisticated document database management, electronic storage and distribution of documents, and even artificial intelligence for documents) leading to a complete document system that helps organizations to better manage and control their information and document production process.

For more information, please contact your Career Services Office, or send a cover letter and resume to:
Interleaf, Prospect Place, 9 Hillside Avenue, Waltham, MA 02154, ATTN: College Recruiting.
 Winter graduates are encouraged to apply now. An equal opportunity employer.



Career Opportunities at Morgan

for Cal Tech students interested in

- Research
- Sales
- Systems
- Trading

Please plan to attend our information presentation on **Thursday, October 31 4:00 pm**
Student Activities Center-Room 25 & 26

Confirm the time and location with your placement office
 J.P. Morgan is an equal opportunity employer

JPMorgan

The Y News

by the Y!

As the train of life goes hurtling down the tracks toward the Midterm Tunnel, the Caltech Y is busy keeping cows off the tracks. No, no, no. Actually, the Y is on the train, too, helping you survive the trip, and even making it a more pleasant experience. On Halloween, (that's Oct. 31 for the holiday-impaired) the Y is having an Open House from 2PM to 4PM. Come visit our lovely office and our lovely staff and eat candy 'till your sick! Our Open House is also the perfect place to practice walking in that duck costume you're going Trick or Treating in!

Speaking of walking, the Y hike to Throop Peak, was a big success (and no fatalities!) Over 40 hikers enjoyed the escape from Pasadena's smog and the beautiful views from the mountainsides.

Another program the Y is sponsoring is happening even as you read this. The Y has been assisting YMCA de Baja California in Tijuana, Mexico is a number of projects, such as building a community center. You missed this month's trip (they left yesterday), but another group will be traveling to Tijuana and helping out from Nov. 22 through Nov. 24.

Another upcoming event is "American Pictures" on Nov. 14. Called "powerful" and "intense" by the *New York Times*, it is not to be missed! Watch this column for more information.

As always, the Y has plenty of discount movie tickets available for AMC, Pacific, and UA theaters. But, coming soon, the Y will have a limited number of tickets for "Phantom of the Opera" and "Cats." Stay tuned for more details.

For more information on any of these mentioned here, or anything else, come up to the Y, in the Winnett Center above the bookstore. Or you can call us at x6163. If you are interested in joining the Y, or if you just want to find out more about what we do, come to our Excomm meetings Mondays at noon in the Y lounge. You'll be glad you did.

Scholarships

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 American Society of Naval Engineers is sponsoring a \$2,000 scholarship for students in the final one or two years of undergraduate education who are interested in the field of naval engineering. They also provide support to naval engineers seeking advanced education in the field. Applicants must be U.S. citizens. Financial need is not a requirement but may be taken into consideration. Deadline for receipt of scholarship materials by the ASNE offices is February 15, 1992. National Academy for Nuclear Training Scholarship Program is offering scholarships to U.S. citizens or Nationals with a GPA of 3.0 or greater. Deadline February 3, 1992. Society of Women Engineers is announcing its 1992 Spring Scholarship Program. The scholarships are open only to women majoring in engineering with a GPA of 3.5. Applications, including supporting materials, must be postmarked no later than Feb. 1, 1992.

Folkdance

On Tuesday, Oct. 29th at 7:30 PM in Dabney Lounge the International Folkdances will present their annual Halloween Party. Dance lessons will be provided by the California/Bulgaria Band featuring musicians from world renowned Bulgarian folk ensembles. Costumes are encouraged. All are welcome. Meet new people and see the world!

Literary Magazine

Submissions are now being accepted for the 1991-92 Totem, the annual Caltech literary magazine. Entries are welcomed from undergraduates, graduates, faculty, and staff. JPL entrants may also be considered depending on the availability of space. Please send your entries to Jennifer Miller, Mail Box 570. If you have any questions about the magazine or possible entries, please call me at 577-4637 or drop by room #5 in Fleming House.

Party of the Living Dead

S.P.E.C.T.R.E. will be presenting a zombie movie marathon this Halloween, with George Romero's zombie trilogy *Night of the Living Dead*, *Dawn of the Dead*, and *Day of the Dead*, as well as the "true life story on which the trilogy is based" *Return of the Living Dead*. For those with especially strong stomachs, refreshments will also be provided. The festivities start 8pm Thursday, October 31st in Catalina Rec Room III. Please contact Gorm Nykreim @568-9168 with any questions.

Caltech Y Trip to TJ

The Caltech Y is sending Students to the YMCA de Baja California (Tijuana, Mexico) to assist in the building of a community center. If you would like to be a part of future trips to Tijuana, sign up at the Caltech Y today!

what goes on

Announcements for *What Goes On* may be submitted 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. Announcements should be 75 words or less. Indicate the date(s) the announcement is to run. Announcements for the current issue must be received by 5 pm Tuesday. 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.

ME72 Engineering Design Contest

Thursday December 5th, 1991
2:00 PM
Beckman Auditorium
The 7th annual Caltech Engineering Design Contest will be held on Thursday, December 5th, 1991 in Beckman 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 10 weeks to design and fabricate a device. Each year the task is a competitive one. Last year, the students' devices attempted to climb a string faster than their opponent. This year's contest will be entirely different, and is similar to sumo wrestling, where each contestant attempts to push his opponent out of the ring. The double elimination tournament begins at 2:00 PM and lasts about an hour and a half.

Sign Language Class

Yes! The Caltech American Sign Language Club/Class has been resurrected. We will meet this Sunday from 4-6 pm in the Y lounge with a new instructor. Refreshments are free, and so is the class for first-timers. Future classes will cost about \$10 each. Come discover a new language - learn to speak with your hands!

Caltech Women's Glee Club Fundraiser

The Caltech Women's Glee Club invites you to see the Rose Parade on New Year's Day 1992. Tickets are \$430, which includes seats and a continental breakfast. Proceeds from this event will provide scholarship help for the Women's Glee Club 20th anniversary trip to Boston in March, 1992. Ticket order will be taken by mail only, and must be accompanied by a check. For tickets, or more information, send to: WGC Rose Parade, Caltech 2-58, Pasadena, Ca. 91125.

Upcoming SEDS Events

The Caltech chapter of SEDS (Students for the Exploration and Development of Space) will be holding a meeting on Tuesday, October 29, at 7:30 am in room 25 of the SAC. We will be discussing our plans for the near future, including a star party on Saturday, November 2, and a tour of the space shuttle Columbia as it undergoes a refit at the Rockwell plant in Palmdale. We will also talk about the status of our GAS (Get Away Special) shuttle experiments and our educational outreach program. After the meeting, we will be showing a selection from our space video library. All members of the Caltech community are invited to attend. For more information, contact Phil Rosenthal at 577-4664 or Jeff Foust at 449-1345, or send email to seds@cobalt.

Join the Student Shop

The annual organizational meeting for the Caltech Student Shop will be Saturday, November 2, all day, in the shop. This is the best time to join the shop or get this year's key. It is also a time for all members to help clean and organize the shop. Dues are \$30 per year, but on November 2 only, anyone who comes to help clean may join for \$25. The shop is in the Central Engineering Services Building, beside the big liquid nitrogen tank. For details, contact Scott Newell, x3957.

Chemical Engineers

The Caltech AIChE chapter is having an organizational meeting today (10/25) at noon in room 102 Spalding Lab. All interested students are welcome. Free pizza!

Gay, Lesbian 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.

Work For the MOSH

The MOSH wishes to hire students to help serve dinners for faculty and students at the MOSH's house. Dinner included. See Jeanine in the MOSH/DRL office if interested.

CLASSIFIED ADS

#1 FUNDRAISER NATIONWIDE
Your fraternity, sorority, or other campus group can earn between \$500-1000 in less than 7 days. You pay absolutely nothing. Call: 1-800-735-2077 Ext. 3

FOR SALE: Drafting table 38"x60". Steel base, linoleum cov. tray and drawer. Excellent condition. \$300.00 (818) 794-1774

FOR SALE: P-Bass \$175. Yamaha Keyboard \$100. TI Basic 8K RAM computer/calculator \$75. Josh 105-24/x4001.

Position Available. Full/Part time. New game store, Old Town Pasadena. Experience: Chess, Backgammon, D&D, and all games. Sales experience helpful. Call (818) 246-2288 between 9a.m. and 9p.m.

APPLY YOURSELF

Brave New Markets.

新しい市場に
チャレンジしよう!

With production facilities in Europe, Japan, and Santa Clara, California, as well as service offices in more than 10 countries, Applied Materials has had unprecedented success in penetrating the world's semiconductor equipment marketplace.

For over 20 years we have committed ourselves extensively to the research and development of new generation products for the semiconductor equipment industry, investing approximately 15% of our annual revenues per year.

Our efforts have paid off with enormous success. If you want to share in our success, explore the following opportunities to join us.

We currently have positions in Engineering for students graduating with a degree in Electrical Engineering, Mechanical Engineering, or Chemical Engineering.

Presentations in both English and Japanese will be held on:

Monday, November 4, 1991
6:00 P.M. - 8:00 P.M.
Room 26, Student Activities Building

On-Campus Interview Date:
Tuesday, November 5, 1991
9:00 A.M. - 4:30 P.M.
Career Development Center

Interview Date for Japanese-speaking Students:

11月5日 火曜日
午前9:00~午後4:30
キャリア開発センター

Contact your Career Placement Office for details on how you can sign up for our presentation and on-campus interviews. Or send your resume to: Professional Staffing, Applied Materials, 3050 Bowers Ave., MS 1826/JB, Santa Clara, CA 95054. We are an equal opportunity employer. Principals only, please.



APPLIED MATERIALS



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.

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

SPORTS

We're Smarter than You

by Ned Bowden

"Caltech Cross Country, We're Smarter Than You." With their modest motto printed on nearly everyone's shirts, the men's and women's cross country teams stormed to La Mirada Park to battle the other seven minor teams in SCIAC. With the gently rolling hills and grassy fields to run on, both teams looked forward to walking away with at least one victory.

The women's team (who looked so impressive to one bystander that he exclaimed to some poor boys in their way to "Look out! They'll run you over and make you feel cheap!") stepped onto the five kilometer course first to race. Despite missing several key runners, they hoped to defeat Redlands and La Verne. Taking control of the race and looking incredibly impressive (can you say "possible All-Conference runner in one week") was Tobe Corazzini. She chewed up the course and spit it out in a time of 22:13 (1:05 faster than at the last meet). Not wanting to be outdone was Jessie Haldeman, who ran a strong 23:55. Aimee Smith and Emmeline Naranjo continued their comebacks with times of 24:30 and 24:50. In a close race for fifth were Betsy "No Stress" Barton and Amy Hansen who ran times of 26:20 and 26:29 respectively. Rounding out the women's squad were Alice

Chan, Fatima Ebrahim, and Linh Liu. The women lost to Redlands by a close score of 27-29 and to La Verne by the score of 24-32.

The men's team received inspiration by seeing Ben back from Colorado, where he's heavily training for Barcelona in '92, to cheer on his former teammates from La Verne. Seeing Ben gave Dan Flees the shakes, yet he still placed 19th with a time of 27:52 over the five mile course. Trying to catch Dan was Ned Bowden who set a personal record of 28:40 to come in 28th. Fleeing from the law in Pennsylvania and making his debut was Andy Zug. He stared at Ned's jersey (get used to it) the whole way and crossed the finish line in 28:55. Zug is back and in force. Rounding out the top five were Andy Lavin and Mike "No Train, No Pain" Mahon in close times of 30:44 and 30:48. Certain members of the team tried to join in a different race going on at the same time and took a few wrong turns. The men defeated Cal Lutheran and La Verne (they had incomplete teams so they had to forfeit) but were dog meat for the rest of the conference.

The next meet is at Prado Park on November second. It is the important SCIAC championship meet. The Vikings are struggling at 3-5. The North Stars have begun the season well at 4-3. The Twins are walking over Atlanta and making the Braves feel cheap. Da Twins!

WEEKLY SPORTS CALENDAR

| DAY | DATE | TIME | SPORT | WHO | WHERE |
|-----|-------|---------|----------------|------------------------|-------------------------------|
| FRI | 10/25 | 6:00PM | Volleyball (W) | Invitational | @ Cal Maritime |
| SAT | 10/26 | 9:00PM | Volleyball (W) | Invitational | @ Cal Maritime |
| SAT | 10/26 | 10:00AM | Soccer | Pomona-Pitzer | @ Caltech |
| SUN | 10/27 | 1:00PM | Football | Univ. of San Diego | @ Caltech |
| TUE | 10/29 | 7:30PM | Volleyball (W) | Mount St. Mary's Coll. | @ Caltech |
| WED | 10/30 | 4:00PM | Water Polo | Whittier | @ Caltech |
| WED | 10/30 | 7:00PM | Soccer | Caltech | @ La Verne |
| WED | 10/30 | 9:45PM | Hockey | UCLA | @ Caltech (Pasadena Ice Rink) |
| THU | 10/31 | 7:30PM | Volleyball (W) | Caltech | @ La Sierra |

Caltech Water Polo Kicks

Nick Porsinsirak

Chris Buchner

On Saturday, October 12, our quest for victory was fulfilled in a romping of the alumni team. These old guys were too scared to even show up—they only brought five players. Our coach, Clint Dodd, had to play on the alums' team in order to complete the team. We were afraid that Hanna, Clint's daughter, whom he claimed could throw the polo ball harder than any of us, would have to play for the alums. Fortunately, she didn't have to—her mom, Suzy (who is an alumnus), played instead. Our team reached down to thoroughly suppress the opposition and attacked with a savage scoring machine. The defense took over the pace of the game when we turned on the speed for fast break points. When it was all over the score was 17-7 and our team walked away with a victory. High scorers were Jim "the scoring machine" Radford with five and Chris "the slo-mo frosh" Buchner with 4. The alums got a spirited performance from Suzy Dodd, who scored 4 goals though she claimed to be out of shape.

On the following Wednesday, the Beavers faced the old opponent,

PCC. Clint Dodd planned to use an old strategy called "drooling" . . . oops . . . "drooping" against the cruel holean of PCC. From now on we know him as "white 11!" In the first quarter, the Beavers' defense and offense were superb. We scored first and couldn't wait to jump on their goalie. Our team led 4-1 until "white 11" woke up from sleep and gave us back what we had given them previously. The score was 5-4 PCC when the first quarter ended. The game remained close throughout as both teams struggled to get in front. The final score was 13-9 in favor of our northern neighbors, who had won the Caltech Classic trophy earlier in the season. "Not bad, not bad!" said Clint. We were finally on the right track to play well. Everyone performed strongly. They swam hard and didn't stop. Nick "the goalie" Po...saved 14 shots, 1 penalty shot, and had many steals. Chris, despite his slo-mo, had four goals from the hole. Others scoring were Tim, Jim and

Tamaki with one each, and Grant with two—one on a terrifying back-hand shot. We would like to thank the fans who came out and cheered for us. We don't know what Derek promised you, but thanks a lot guys! Do come to every game.

The next stop was at Oxy and their crappy, slime infested, sinkhole pool. We don't exactly know what lives in that pool, but it sure helped them. The pool is shallow enough to stand up in, if your feet can grip the slimy bottom. The ball was certainly affected, for the Beaver offense had trouble passing, shooting, holding the ball, etc. Caltech had a shooting problem; that is, we hit the bar a few times and hit the wall behind the goal a few more. Jim Radford and Tamaki Murakami each provided one goal in exception to that rule. Our defense played reasonably well with Nick blocking 14 shots again. The first conference game started own on a slow note, 13-2, but look for the Beavers to come on strong later in the season.

| | | | |
|----------------|-------|-----------------------------|---------------------------------|
| Soccer | 10/16 | Caltech — 4 | Oxy — 6 |
| | 10/19 | Caltech — 0 | Claremont Mudd — 8 |
| | 10/23 | Caltech — 2 | Whittier — 3 |
| Football | 10/19 | Caltech — 12 | Orange County Cowboys — 52 |
| Volleyball (W) | 10/17 | vs. Pacific Christ | 15-10, 10-15, 2-15, 13-15, loss |
| | 10/23 | vs. Christian Heritage | 16-14, 15-7, 15-11, win |
| X-Country | 10/19 | Caltech at 8way SCIAC meet, | Men: 2-5, Women: 0-7 |

The Department of Obstetrics and Gynecology
of the U.S.C. School of Medicine
is looking for qualified

SPERM DONORS

for an artificial insemination program.
Donors will be compensated.

Call (213) 343-9967 or (800) 542-5453

RAISE \$500...\$1000...\$1500

FOOL PROOF FUND RAISING

For your fraternity, sorority, team
or other campus organization.

ABSOLUTELY NO INVESTMENT REQUIRED!

CALL 1-800-950-8472, ext. 50

ATTENTION CALTECH STUDENTS

Congratulations Caltech on your 100th Anniversary. From now to the end of November, Hilda, Janet and Yvette would like to offer you a complimentary haircut from FRONT ROW CENTER. Call for your appointment at 818/796-2666.



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

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
Fresh Fish and Lamb, Baklava, Gourmet Hamburgers

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

THE CALIFORNIA TECH

CALTECH 40-58 SAC
Pasadena, California 91125