

# Mudeo is Back

by Eric Stout

Our story today is one of filth and corruption, violence and war: the story of the Mudeo. Sadly, it seems not a lot of students at Tech are familiar with Mudeo anymore, for from 1982 to 1988 the event simply did not take place. There are those, however, who have been here through the years who sing the praises of Mudeos from years past.

Responding to their call, in October of 1989 Dave Geraghty, then the Junior Class President, resurrected the Mudeo, a fine series of competitions between freshmen and sophomores in a pit of muddy water to determine class supremacy for the coming year. As suggested previously, though, this was merely a new chapter in an already lengthy book, the book of Freshman-Sophomore competitions at Caltech. For your enlightenment, then, here is a brief summary of that book.

The very first "Big T" (previously, it was the "Orange and White") came out in 1921, documenting the class year 1920-21. In that year Caltech was young, only recently having taken a new name and consisting of only six buildings, of which the Norman Bridge Laboratory was newest. Even then, however, annual frosh-soph battles were a tradition. The battle was called a Pole Rush, whereby the sophomores guarded a pole (to which axle grease had been liberally applied) from the top of which the frosh were supposed to steal a flag within a certain length of time. In 1920, the frosh were defeated, and as a consequence they had to host a dance for the student body at the Hotel Green.

In 1923 the Pole Rush was determined to be unhealthy and was

replaced by an Underclass Rodeo, which involved the two teams attempting to tie up every member of the opposing team and deposit him in a "neutral zone." The frosh proved no match for the sophomores, who needed only twenty-five minutes to win convincingly. Again, the frosh threw the dance.

The tie-up was found lacking by 1925, and was replaced by a Pushball game, wherein by brute force each team attempted to push a six-foot diameter ball down an 80 yard field into the opposing end-zone. The game was timed, and held in two halves, with two teams from each class competing. The sophomores won again in '25 (see a pattern, frosh?). In 1936, the contest was expanded to four events, including pushball, tug-of-war, a cane spree (?) and a tire race. According to the 1937 "Big T", "As usual, the Sophomores won."

The 1938 "Big T" contains the first pictorial evidence of competition in the mud. By 1942, the rodeo was increasingly becoming a "mud brawl," and the sophomore class, weakened by the wartime draft, lost for only the second time in the history of the annual competition. In '42 we also find the first mention of judges being thrown into the mud at the end of the competition... Don't get any funny ideas, frosh!

By 1946, it was permanent: "Rodeo" had become "Mudeo." Swelled in numbers by those returning from the war, the Sophomores won - again. Imagine that. Of course, according to the Big T, "As usual, regardless of who won the contest, the junior judges lost in a shower of mud." Don't get any funny ideas, frosh!

'Course, after a while the classes got tired of fighting fair, so they



Referee Dave Geraghty calls another foul on the freshman before they throw him into the mud during last years Mudeo (get any ideas frosh?). Mudeo will be held Sunday afternoon behind the tennis courts.

got dirty, so to speak - they started bribing the judges with goods and services. The first evidence of bribery may be found in the T of 1961, which states: "The wily sophs retaliated by offering to throw Ed Evans [an apparently notorious Page Boy] into the pit if the judges would 'fix' the contest. Naturally the honest, upstanding judges agreed..." Similar stories abound, though they generally in-

volve refreshment for the judges. In such cases, the judges were no longer considered the losers of the contest. Now there's a fine idea for you frosh!

Save for a cancellation due to weather in 1958, Mudeo (and the earlier competitions) ran uninterrupted, as far as I can tell, for more than six decades, from before 1920 until 1981. There was even occasional faculty participation, as by

Harry "The Horse" Gray in 1970. The regrettable hiatus of 1982-88 behind us, 1990 will mark the sixth decade in which a Mudeo has been held, the continuation of an excellent tradition.

This year's Mudeo will be Sunday, October 28, northeast of the Caltech tennis courts. It will begin at 1:00 p.m., and will include a barbecue free to all. Come and make it a success!

# Quality Survey Finally Out

by Mephisto

In May, 1989, undergraduate and graduate students, faculty, and staff filled out questionnaires for the Quality of Academic and Work Life Survey. Based on the data gathered, a report prepared for President Everhart and the Caltech Affirmative Action Committee by a social scientist at the University of Arizona was recently submitted to the Institute, and is now available to the community.

The 70-page report contains an explanation of the analysis used, general findings comparing the four groups, detailed findings for each group, and suggestions and conclusions, in addition to an appendix explaining some of the measures used earlier.

The reason for the long interval between the distribution of the survey and the report's release was explained by Jean Grinols, Senior Executive Assistant in the Provost's Office, as being due to the formulation of the questionnaire. The group which wrote the questions received the data and prepared a report. This first report did not make sense owing to the way the questions were broken down. The

Institute got the data back, and tried to find another consultant to analyze the data. After the data had been rejected twice as not being suitable for analysis, the person at the University of Arizona agreed to analyze it, using indices composed of several questions on the same subject.

Copies of the report beyond those originally planned to be distributed will be sent to various places on campus, including the MOSH's office, the offices of the Graduate and Undergraduate Deans, Student Affairs, DRL, the student houses (graduate and undergraduate), in addition to the one copy originally distributed which is currently on reserve in Millikan Library. The latter one is the copy mentioned in President Everhart's memorandum to "Caltech Community" concerning the release of the survey results. The memorandum is dated October 16, and was received in the Provost's office on the 18th, but had not arrived in the student houses as of Thursday, the 25th.

The rumor that there was an earlier version of the report which was squelched because it contained

material which could be politically damaging is false, according to Miss Grinols.

The report which was published contained some surprising results. For instance, "fairly low levels of stress" were reported "for all four groups" (UG, G, Staff, Faculty), though "students reported substantially more stress than faculty or staff." The average undergraduate puts in an average of 46.5 hours in academic activities each week, including research and classwork. (Fr 44, So 50.7, Jr 48, Sr 41.6) They are also fairly neutral about their advisors, and are also neutral in their "views on Caltech's administration and values." An interesting note about the views on the administration is that the score goes down each year the students stays (Fr 4.6, So 4.3, Jr 4.1, Sr 4.0 with 7=high, 4.3=mean). The undergraduates were fairly happy with the housing options, but "quite unhappy with board options" (mean = 2.1 on scale from 1 to 7, and 7 is the high score.)

The faculty had research as their first priority, followed by (2) advising graduate students, (3) teach-

continued on page 6

## CRIME AND INCIDENT BEAT

Crime tip: Any computer owners may call the security office to have their computers marked as Caltech property and made more traceable.

10/7 Two batteries were reported stolen from the physical plant parking lot. They were removed from vehicles stored at the rear of Central Engineering, and last seen six months ago.

10/17 Ruddock House members claim that they are unable to identify the four persons who kidnapped a guest from the head table during dinner.

10/18 A computer and components is missing from Beckman Institute, room 21. This room was locked, but access can be gained from adjacent room 23, which is under construction.

10/18 A minor collision occurred in the West Wilson parking lot, in which the rear fender of a Buick Century was damaged. The drivers exchanged necessary information and identification.

10/19 In the Holliston parking lot, a red BMW was almost stolen after having its door lock forced and its ignition punched.

10/20 The casualty list of this weekend's Fleming House party includes one person who injured her knee during the festivities and was transported to the Huntington Hospital.

10/20 During the Fleming party, two alley phones were ripped from the walls and left laying on the ground.

10/21 Six flood lamps that were on loan to Page House from Audio/Visual were stolen from the Page House mail room.

10/22 A backpack containing a calculator, a Sony Walkman, and an audio tape was found missing from the Keck House kitchen after it was left there overnight.

10/22 In answering a medical emergency call, security found someone in the basement of Downs Lab who had passed out while walking down the hall and had fallen to the floor, hitting his head. He was transported to Huntington Hospital by paramedics.

Total value stolen or missing this week: \$8,390

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Tennis Coach

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Journal

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## opinion

# Big Green Debate

by Steven Rozak

Last Sunday, on the west lawn of Beckman Institute, Dr. Malcom Gordon, Prof. Biology at UCLA and John Roulac of Harmonious Technologies defended Proposition 128 ("Big Green") against criticism by Dr. Katy Wolf of IRTA. Larry Mantle of KPCC succeeded in keeping the debate relatively free of mud-slinging (not a trivial task!).

Proposition 128 has resulted in one of the most sensational and polarized ballot initiative campaigns in recent times. The Sierra Club, the Natural Resources Defense Council, Tom Hayden, John Van de Kamp and a variety of other environmental groups helped author this environmental omnibus bill. Its tremendous scope made it possible for diverse groups to pool their resources in support of a single initiative, but Big Green's large scope has also been its weakest point, judging by the campaign that has been mounted against it.

The proposition includes sections on pesticides, greenhouse gases, stratospheric ozone, ancient redwood preservation, oil spill prevention and cleanup, a new elected environmental advocate, farm worker safety, urban tree planting, state government recycling, requirements of secondary treatment for all sewage and a number of legal and regulatory reforms. Here is a brief outline of the issues discussed on Sunday.

**Food Safety and Pesticides:** All registered pesticides known to cause cancer or reproductive harm are banned by prop 128 between 1996 and 1999. During the phase out period, no pesticide residues may present a significant risk (ie. 10<sup>-6</sup> cancer risk or less than a 10<sup>-2</sup> safety factor from other adverse affects). The "No" side (funded at

least partially by pesticide users and producers) claims that these requirements would hurt the small family farmer and raise food prices, discouraging people from eating enough fruit and fresh vegetables and thereby decreasing the health of Californians. The "Yes" side countered that pesticides are a greater risk than acknowledged by industry, especially when ground-water contamination and bioaccumulation are considered.

**Greenhouse Gas Reduction Plan and Stratospheric Ozone Layer Protection:** Prop. 128 requires a 40% reduction of greenhouse gas emissions by 2020. This is likely to require substantial energy conservation. Big Green critics argue that this would result in a considerable economic slowdown while proponents point out that such energy efficiency has already been achieved in Europe and Japan.

**Protection of stratospheric ozone** is to be achieved by banning production and sale of chlorofluorocarbons between 1995 and 2001, several years ahead of the reductions required by the Montreal protocol. Dr. Wolf predicted that premature replacement of CFCs would expose workers to unregulated carcinogens, while the "Yes" side pointed to the "destruction of the ocean's algae" (presumably pointing out that the destruction of the ozone layer could kill all life on earth).

Dr. Gordon correctly pointed out in that "what is not said is as important as what is said". Most people left the debate feeling that Big Green is certainly flawed, but were unsure that they were given the whole picture. Both sides agree that Big Green would have a major effect on California, so you had better read your election pamphlet and vote!

## Volunteer for Community Corner

by Golda Bernstein

Community Corner

A smile, innocent & trusting  
A smile, mischievous & sparkling

A shy request  
for a hint, a clue, a helping hand

A glow  
of understanding

Replacing too-familiar frustration.

Warmth, Affection, and Acceptance

It only takes one hour out of every hundred and sixty-eight to help someone who needs you. Be a volunteer tutor for kids in Pasadena. Work with any age from elementary thru high school, one-

## letters

### Missing Photo

To the Editors:

The "stolen item" I want to talk about will probably appear in your crimebeat column shortly. However, I am so unhappy about it I thought it worth writing a letter to you. The 'gone missing' item is an aerial photograph taken of the Caltech area and the surrounding community a few years ago, and which was bolted to the wall on the 4th floor of Lauritsen. It's very large, and inconceivable to me that anyone on this campus would think they have a right to come up and pluck something off a wall!! We miss it—and very much want it back.

—Helen Tuck  
Theoretical Physics

### Water Waste at Caltech

To the editors:

I have just returned from a leave, and I am glad to see that Caltech has greatly expanded the recycling of certain materials. This is a good step and should be continued further. However, there is continuing waste when it comes to a very precious resource, water.

Two years ago I was living in a room in Dabney Hovse that faced California Boulevard. Every night I heard the sprinklers come on, and I wondered why the grass was watered so often. My lawn in Oklahoma was not watered every day, and it stayed green. Now that I am back, I have a room facing the same lawn, and the water still comes on every night. This caught my attention, so I started looking at the situation more closely. When I walk through Caltech at night I see puddles on the sidewalk and waterlogged lawns. Large amounts of water are wasted nightly.

In the Dabney Hovse courtyard there are areas of grass that have died from overwatering. When B&G decides to fix the problem

they replace the dead spots with new sod. This stays green for a while, but eventually dies again. The real problem is simply too much water, but the grass was replaced several times last year.

I do not pretend to be an expert on landscape maintenance, but I do know that most plants do not need to be watered every day in order to thrive. In Oklahoma's hot summers most people water their lawns about twice a week, and they stay green. We have to realize that Southern California has very little water. While we do get it from the North, we should not waste it so carelessly. Since returning I have also learned that Los Angeles has set a water conservation goal for the city. I don't know if Pasadena has similar policies, but Caltech should do its part to reduce waste regardless.

Specifically, watering should be reduced to the necessary amount. Sprinklers that water the sidewalk instead of the plants need to be fixed. Drought tolerant plants should be used in some areas. Perhaps we could even see a few cacti among the irises, impatiens, and marigolds. It would be an appropriate reminder of our situation.

—Oscar Duran  
Dabney House

## Critique of R & G

by Rob Ellis

This Friday marks the second weekend in the production of the whimsical comedy, Rosencrantz and Guildenstern, performed by TACIT. The characters are all taken from Hamlet, but the plot doesn't focus on Hamlet's depressing dilemma. Instead, two of the most insignificant characters of Hamlet are featured as court members of King Claudius. Rosencrantz and Guildenstern are ordered to keep an eye on Hamlet, for what reason they have only the slightest understanding.

They are constantly sidetracked from their mission, however, by coin flipping, digressions in circular logic, and futile attempts at remembering childhood. When the coin comes up heads ninety-two times, they know that reason has been suspended and that they are not their own masters.

Confusing Rosencrantz and Guildenstern is so simple that Hamlet, their childhood friend, does it quite often. The dialogue has a spontaneous quality that has trouble passing for reason; the characters are not masters of their lives, since they are caught up in the actions of Hamlet and Claudius. On the ship to England, Rosencrantz said he would jump over the side to put a spoke in the wheel of the king's plans. Then Guildenstern stated that Claudius might intend him to jump, and the two continued to England to their deaths, expecting a reward for fulfilling their orders.

Overall, the play flowed smoothly from scene to scene, and the lines were well acted and humorous. In the last scene, the Mousetrap, performed by the tragedians, changes into the final scene in Hamlet when the main characters die. Even if the audience is not familiar with Hamlet, this play has a striking theme of its own, exploring situations in which certain inexplicable doom is unescapable.

The play will be performed in Ramo Auditorium this Friday and Saturday nights at 8:30, and Sunday afternoon at 2:30. TACIT has done an excellent job with this one!

on-one or in groups. Call the Y x6163 to sign up now.

Other opportunities are also available: adult education & literacy training, workday projects, serving the homeless, working at a hospital, doing science demos/talks in high schools to encourage young people to be interested in science...

Call the Y!!! Now is never too late!

Another note: too many VIP's in business suits are touring the campus. We should balance them with field trips from a Mexican orphanage. Each businessman should sponsor an underprivileged type (possibly, but not necessarily, a Mexican orphan) who might also be interested in science and what Tech does, but not have enough \$\$ to get red carpet treatment.

All in favor say 'Aye' - loudly, in red ink, on a 3x5 card, addressed to: Dr. Everhart and/or Industrial Relations 204-31 1-90

If you want to be polite, add 'Please' and sign, 'A Concerned Student'

If you want to be creative, say 'Eye' instead, or better yet, send a picture of one. Yeah, everybody send an eye - prizes for the most creative, concerned-looking eye will be awarded next week. Send a copy of yours to the Y if you're too shy to look the esteemed president of our noble campus straight in the eye.

Also, don't forget to call the Y. Today - you'll forget by Monday. See y'all later...

## Interhouse Update

by Jack Prater

Each year, during third term, the IHC sets the date for Interhouse. Part of the process of setting a date is to review the past year's Interhouse. One of the problems we have had over the past several years is one of people outside of the Caltech community coming to Interhouse and causing problems and damaging property.

Last year the IHC tried to deal with the problem by not advertising Interhouse, limiting the alcohol available to non-teachers and by erecting a fence around the houses. None of these measures dealt with the problems effectively. Third term last year the IHC was unable to find a viable way to deal with the growing difficulties that accompany Interhouse, hence they were unable to set a date for it.

The IHC is currently in the process of trying to find an alternate or more viable way to hold a seven house event. So if you are genuinely concerned, talk to your house president. They can give you more information on what is going on and they can help shape how the next seven house event will occur.

## THE CALIFORNIA TECH

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### FRIDAY NIGHT ASCIT MOVIE



## Real Genius

with  
Frigidhare

Baxter Lecture Hall  
7:30 and 10:00 p.m.  
\$1.50 ASCIT members  
\$2.00 all others

Next Week:

The Little Mermaid

### SATURDAY NIGHT NAIR MOVIE

...it'll take your hair off...

## Easy Rider

with Dirt

Baxter Lecture Hall  
Saturday 7:30 & 10:30 pm  
\$1.50 for ASCIT members  
\$2.00 all others



Bill Swanson and Jill Bush are trying to dance while Mark Humphreys just smiles.

# Focus Discussion

by Dan Frumin

Hey, Butthead! Is this what it takes to get your attention? Someone has to call you an ignorant, apathetic, slouch to get you to read something? I'll bet you wouldn't even consider reading an article that started with "The Caltech Focus Discussion Group is looking for new members to explore problems and possible solutions to problems in our community."

What community? If the people here are so jaded that they skip over any memo or article that discusses improvements in the community as a whole because they feel it is not relevant to their personal lives, then we don't have a community. This goes well beyond the apathy which is rapidly gaining the dubious distinction of "tradition" here at Caltech. This is a matter of caring about your life and the lives of the people around you. This is about self-preservation and the

preservation of everything that makes (or made) this school a place where people want to be.

Look around you! How often does the average Techer visit other houses? How many people attend their own house meetings? Noticed a rise in petty-theft lately? Just how do people feel about the Honor System? Does anybody really care about anything that goes on outside their own doors? The answers to these questions are becoming quite ominous.

Do something! Regardless of whether you agree with the bleak picture presented here or not, if you care at all about Caltech and the quality of life we all lead, join the Focus Discussion Group at four o'clock on Thursday, November 1st in the Y lounge and share your views and your ideas for reversing the erosion of our community. If you don't come, then you are the problem.

photo by Lei Chen

# Prohibition Party

by Dan Ko

What makes a party fun and exciting? Hot babes in their tight miniskirts, incredible hunks, or free servings of alcoholic beverages? Although none of these were present at last week's Prohibition Party at Fleming, many who came to the party left the party after having participated in socializing and dancing.

Fortunately, each of them had something positive to say about the first Caltech multi-house social event of the year. "I can't believe Dave Park stayed throughout the entire party," repeatedly exclaimed Sheldon Lim with amazement, referring to one of the few party-connoisseurs at Caltech. At any given time, there were approximately sixty people hanging out in the Fleming lounge, while another thirty to forty danced in the dining hall, which, with the help of balloon and crepe paper decorations, provided the right atmosphere for dancing, although it could have used some special lighting effects.

The hall was just dark enough for many Techers to exercise creativity in their physical movements. The music varied from New Wave to Funk, although the latter actually repelled people from the dance floor, despite its popularity at many dance clubs and college dance parties.

Curious and clueless, the frosh seemed to have comprised the biggest portion of those present at the party. Quite a few of them were also among the very wild and crazy studs on the dance floor. They were even among the best dressed at the party.

Speaking of dressing up, at typical UCLA or USC parties, most people come dressed to impress; on the other hand, most Techers were in their usual T-shirts and shorts at the first alcohol-free party. Perhaps, this lack of concern for outer appearance at parties, in addition to the absence of babes, hunks, and alcohols, may be a reason why Caltech parties do not seem all that exciting to others. But who cares as long as our parties provide the opportunities for Techers to learn more about one another and get rid of their stress by trying various bodily configurations to the rhythm of "U Can't Touch This."

By the way, if you are one of those who complain about Caltech's inadequate social environment or if you are a frosh who has a preconceived notion that Caltech is not the place to hang out on weekends, try some Caltech parties, like the Halloween Party this Saturday. They might be the panacea for all the "illnesses" that the excessive use of brain could have caused.

# News From the SAC

For clubs and organizations wanting a permanent mailcode in Rm. 37 of the SAC, see Jeanine or Gina, in Rm. 64 SAC.

The SAC has a new face (attached with body) in Gina Armás, new SAC Assistant. She can be found in Rm. 38 of the SAC. Come by and say Hi!

You all remember Milly? She received her PhD and is now teaching at Bowling Green, Ohio in sociology.

Last but not least our friend Eli (music secretary) has gone to MIT and loves it. Janet (Coffeehouse stock clerk) is elsewhere.

The SAC no longer sells copy cards, as if you hadn't already figured that out. We also are unable to use the ASCIT copier. Someone has stolen the Copy Card reader. Why?

Stop by the Gameroom and see what new games we have. You have to try Splatter House, it's a must.

If you're interested in working at the Coffeehouse and are not a freshman student, please contact Jeanine at x2935 for information. [Judging from the service last

week, they're desperate!!]

Coffeehouse managers must attend weekly meetings, every Tuesday at 12:15 in the Coffeehouse.

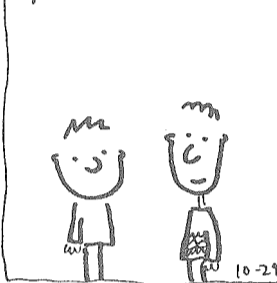
C.H.U.G. will meet on the first Monday of every month. Our first meeting will take place in the Coffeehouse on November 5, at 12:15.

For any information on the above, contact Jeanine Conneally, x2935.

## Jim's Journal

by Jim

I stopped by Tony's apartment today.



He asked me how everything was going and offered me a can of soda.



The soda company had an instant-win game on the can.



Tony said if my can turned out to be a winner, he'd get to claim the money because he bought the soda.



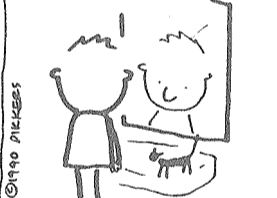
I stood and stared in the mirror today.



I got really close and looked at the tiny patterns in the iris part of my eye.



Mr. Peterson was walking around the sink, which is right under the mirror.



I lifted her up to show her herself in the mirror, but she didn't seem to be interested in it.



# Contract Bridge With Sam

by Sam Dinkin

- ♦ KQ74
- ♥ KJ5
- ♦ J
- ♣ KJ862
- ♦ 632
- ♥ 74
- ♦ A832
- ♣ T543
- ♦ 85
- ♥ T8632
- ♦ T97654
- ♣ Void

♦ AJT9			
♦ AQ9			
♦ KQ			
♦ AQ9			
Vul: Both			
West	North	East	South
Pass	1♣	Pass	2♣
Pass	4♣	Pass	4NT
Pass	5♦*	Pass	6♣
Pass	Pass	Dble	Pass
Pass	Pass		
*1	key		card

Tuesday, November 6, the campus qualifier for the national collegiate bridge championships takes place. You could eat free pizza and win an all-expense-paid trip to Atlantic City this spring.

I was playing rubber bridge while riding back from Owens Valley in a Geology van last Sunday when my novice bridge partner was holding the East hand. She takes bridge advice too literally. Just as the bidding came to a close, we pulled up behind a crippled Toyota truck and the driver read a road sign out loud, "Do Not Pass." My partner thought he was watching her hand and not the road, and promptly doubled.

Since slams are likely to go down no more than one, the scor-

ing favors using doubles of suit slams for something useful instead of for penalties. The regular use is to ask for an unusual lead. Usual leads are an unbid suit or trump. Unusual leads are dummy's first suit or declarer's first suit if they are not trump. On this hand, the double asked for a club lead.

Obligingly, I led the club 3. My partner trumped and led the diamond 6. I took the ace and led another club for her to ruff. The declarer claimed the rest of the tricks and muttered something about correcting to 6 No Trump after the double. I jotted 500 above the line for us when the driver read, "Pass With Care" and zoomed past the limping truck. Good advice from the driver—unless I lead clubs, the contract makes.

• A KALEIDOSCOPE OF ENTERTAINMENT •

**CALTECH public events**

**BERKELEY SHAKESPEARE FESTIVAL**  
*Twelfth Night*  
 Saturday, October 27 at 8 p.m.  
 Beckman Auditorium

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**TECHTIX & CIT STUDENT RUSH TICKETS GO ON SALE**  
 FRIDAY, OCTOBER 26  
 CIT Faculty & Staff: 11.25 - 10.00 - 8.75  
 CIT Students: \$7.50

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**Call campus extension 4652 for information**

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 erotic drama

**Henry and June**

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 Sat-Sun matinees 1:30 p.m.

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Akira Kurosawa's

**DREAMS**

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

The Inside World

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, or to not print it at all. No slanderous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it slanderous.

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

Blacker: Dan Frumin and Pete Dussin

Lloyd: Jeff Hagen

Page: Michael Simpson

Ricketts: Amit Mehra, Alex Sugiyama and Dan Weaver

Ruddock: Chris Martin

Blacker	1 0 0 0 1 2
Dabney	0 3 0 3 0 6
Fleming	0 2 0 0 0 2
Lloyd	0 0 2 0 5 7
Page	0 5 0 2 3 10
Ruddock	0 4 1 1 2 8
Ricketts	0 1 0 4 4 9

Blacker

AFTER a year of reading really LAME Blacker House Inside Worlds, it's high time that we get to actually write a really lame Inside World. No more heavy metal, no more "ooo, bitterness", no more harshing on people. (Well, maybe a little bit of that...)

WELL, here it is, frosh. We've been watching all of you for a couple of weeks, and though you show some promise of accomplishing your tasks as frosh, there are a couple of things you are NOT doing!!! Here it is, the long awaited for top 10 things frosh should keep in mind (post it on your foreheads, so you can read it off each other)

- 10. a Wet Frosh is a HAPPY frosh. Chant this mantra over and over again. It is the key to a good year.
- 9. You seem to have misunderstood the concept of "Pass / Whatever the other one is". You will pass. Do less homework, you trolls.
- 8. Answer the Fucking Phones, Frosh!!! They are not there to decorate the halls. Oh, if the Argentinian Embassy calls - Fru's on his way, and the check

is in the mail (or vice versa).

7. The phrase "FROSH ARE WIMPS!!" is not ONLY a statement of fact, but it's also a challenge! (hint, hint)

6. You're WIMPS!

5. If Craig were here, he'd say "Boy, are you WIMPS!"

4. It's hard to believe the level of WIMPitude that exists in your class.

3. It's absolutely incredible that you have outWIMPED all other classes.

2. You'd think that we accidentally got LLOYD's frosh class (DAVE??)

And Last but not least (drumroll, maestro.....)

1. You are still WIMPS and we are still DRY (and we're NOT talkin' DAPAC, baby)

NOW that we have used up our frosh-harsh quota, on to more important things, like harshing on everyone else.

U

WHAT'S the deal with the waiting staff? When WE were frosh, the first thing we did when we sat down at dinner is wonder if there was a butter pat under our plate. OBVIOUSLY, this year's waiting staff is overlooking some key responsibilities... (that is, they're being, well, LAME!)

THE "peas" thing is getting WAY old, guys.

AND there's been a definite lack of chain announcements. Dinner has been much too short... Andrea, can we have elections twice a year?

R

OK, now on to the administration-bashing section.....rated NC-17 sex, sex, sex, minor plot, sex, sex, sex.....(NC17??????? Why?)

Interhouse - Yes. Carnival - No. Dapac - Guess. N.R.A. - Cool. Wait, we're not bashing anyone... I guess we don't want to get into TROUBLE... But one thing has to be said. Whoever scheduled this school year SUCKS. We the students who are sick and tired of this Institute for the mentally deranged would like more than just seven days for spring break. You can't even forget about Caltech in seven days, let alone escape it. Next time you do something like this, we're coming after your women, men too, and dogs. However, we don't do Small Furry Animals so you gotta keep those. (Man gotta have SOME standards...)

DOES anyone else notice all the changes that are happening around here to limit our privileges BESIDES DAPAC?? We sure as hell don't... Yea, that's the ticket... Yea... And as a matter of fact, we don't even know that we don't notice... We don't notice our not noticing and...and...yeah, right. We're still going to be allowed to graduate, right guys?

OH, BY THE WAY, if you too are interested in writing the Inside World for Blacker House - JUMP OFF A GODDAMN CLIFF (and we don't mean Kiser.) WE LIKE IT TOO MUCH. Oh yeah, in the words of BO Jackson, "When is that TOUR de France thing, anyway?"

p.s. Geez, I guess we were really harsh, weren't we? Oops.

OOO, BITTerness... (wait a second... hold on... Just KIDDING.)

-Old Enough To Know Better & The Voice of Experience

Ricketts

Welcome to this week's inside world, as the success of last week's inside world, we the same theme, harsh on the people you live with if they get peeved. They can suck it

We believe it is our duty to improve Tecl zation skills. The best way to learn is by e will therefore provide you some examples o to do.

1. Do not talk about D & D. Or why a better system. Or that Gamma World is being in a new and improved version. Similarly, do your favorite dice or the Harlot Generating Dungeon Master's Guide. Normal people hav past the sixth grade.

2. Do not go around dressed in bathrobe if you have not taken a shower.

3. Do not sing to yourself while dancin Tech party. Get a clue.

4. Do not glom.

5. Bathe regularly. Work on your perso The "I just woke up" look is lame.

6. Learn how to pick up the opposite/at (Hey, we are not uptight like some people

For some people, lesson number 6 is a learn. They are still stuck in the tickle fight/t nique of junior high. We don't know what is ing it applied by the same person for five yea it work. So Sacha, how do tickle fights evol rubs? And where is Gonzo ticklish?

Now that we have given you some advice to do, we will tell you the latest strategies in a meaningful relationship.

Top Five Techniques to Pick Up Tech W

5. Be a pillow. (Stu)

4. Help her on her homework for five hot

3. Take her to a lesbian porn movie. (

2. Invite her to a concert in downtown l have transportation. (Fagman)

1. Feel 'em every chance you get. (Ma

Top Five Techniques to Pick Up Men

5. Have him shave your head. (Ingrid)

4. Show up to dinner. (Helen)

3. Play fustball. (Sarah)

2. Pick up your mail. (Karin)

1. Leave your door open. (Nicole)

And now a new weekly feature....

CARLOS' GUIDE TO A BETTER Y

Carlos is the ultimate judge of what is tl

time out of his busy schedule to provide y

you with a taste of the Carlos system. Re

This week's topic is haircuts.

The long-haired look for men is definit

ish, well-kept but not over bearing. For ex

Erich, but the sixties are over. If you desir

should be kept short. Our illustrious Presi

optimal length should be two inches above

season for seniors, this is especially relevan

suit. For a smashing example of how muc

at one of my students. Christopher Pollett e

my advice. He is now a man of the world,

you. The haircut makes the man.

These following people are in desperate

stage 1.

Top Ten Scurves Who Need a Haircu

10. Dan'l

9. Glennammons

8. Tom "Sunshine" Renner

7. Hoskins, Sr.

6. Q

Next week's topic will be clothing for

Always remember darlings, buy clothe

feel good.

-Los

NEWS FLASH:

The Mad Groper struck twice this week

attempt at being like Ricketts. Their PCDE

women. Out of nowhere, he was present d

faced again. This time the chaos of the Bra

Who is the Mad Groper? Stay tuned.

NEWS FLASH:

"I think the frosh are lame," Debica was

from their inability of showering 'Los and s

NEWS FLASH:

After the Fleming-North House Party w

in the air. The odor was eventually traced to

with a vile liquid. The styrofoam stuffing

the laundry room by two concerned citize

One theory proposed that the smell was

vered in the styrofoam led some cat experts

tigator, ascertained that a Danny Hoste-Li

least twenty hours prior to the discovery o

but one thing is certain—either Danny wa

almost an entire day. Who knows which

WINNERS OF THE WEEK

Nicole gets the award for best diner. Do

softball team, not the opponents. Especial

Best Softball team of the week is the N

by a combined score of 59 to 17.

Scot's woman of the week is Miss De

Best Cross Dresser of the week is Rajesh

Most stylish use of sports goggles: Te

Most Overdressed Frosh: Erika Meyer

Most Clueless: Stu.

Invisible Frosh: Richard "Water" Liu

NOTE TO OUR READERS:

Many of you have expressed interest in

tions. If you would like to slam someone

world, leave a message in the envelope on

California. Please enclose \$4.00 for expr

Sincerely,

P. S. Hope you enjoy the artwork.

# Merck will be visiting your campus soon. Sign up now for a personal interview and learn how Merck can help you reach your most ambitious career goals.

We're a preeminent developer of health care technology as well as careers. Producing a wide range of answers to infection, pain and disease. What's more, Merck is a world leader in the protection of animals and crops.

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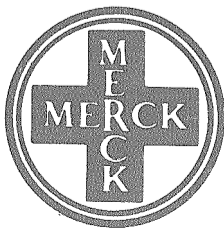
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## INTERVIEW ON:

Wednesday, November 7, 1990  
BS / MS / PhD ChE, Bio ChE  
BS / MS / PhD Pharm Oper / Engineering

Or, you can write directly to: Theresa Marinelli, Manager, College Relations and Professional Employment.

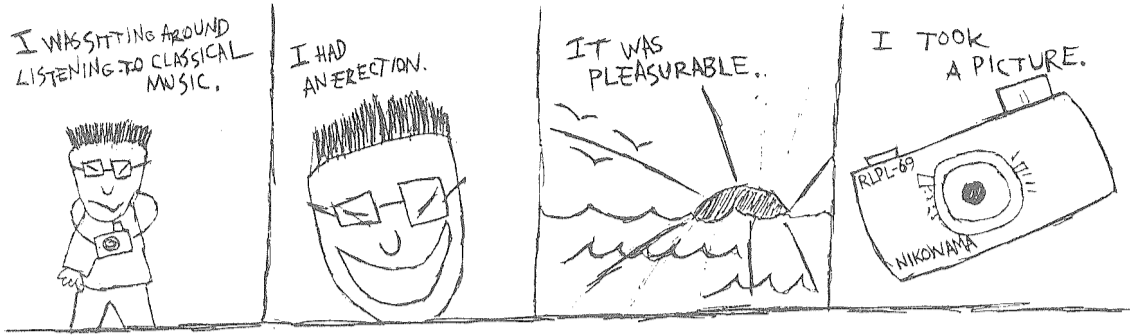


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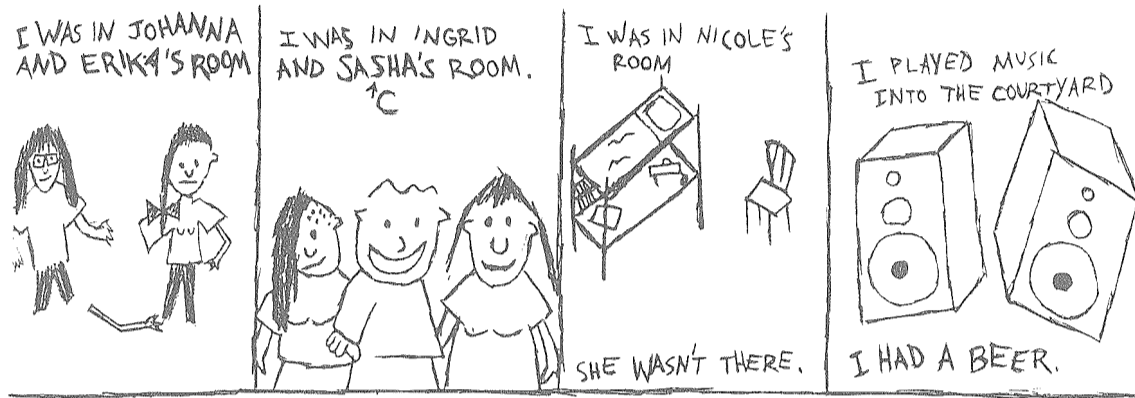
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We not only develop extraordinary products, we develop extraordinary careers. Merck is an equal opportunity employer M/F.

**JULIAN'S JOURNAL**



**STU'S JOURNAL**



**Ruddock**

It's Friday. The day people get paid. The day people get what rhymes with paid. Moonlighting was such a good show. Anyhow, I'd like to write something cheery for Friday. Something light and amusing. But today I'm afraid I'm going to have to address a much more serious subject: Nekkid Bimbos. It seems that some people in Ruddock are a bit miffed that their house dues are going towards the purchase of Playboy, that fine literary journal of air-brushed, air-headed, bouncy, bodacious beauties. The only thing that bothers me about Playboy is that I never get to see the darn things before someone, who must be really lonely, steals them. But if we cancelled our subscription, the lingerie adds from the newspaper would just disappear instead. So before you condemn Playboy, just think of all the cheap thrills it provides. And, just like some poor hungry Ethiopian kid, it only costs pennies a day!

So why don't we make a comparison between Lorraine Olivia, Miss November, and Veer Singh, Ruddock House's own little Indian yard ape? Both of them would like to be taken out to dinner at a good restaurant. Both of them run around half-naked. And both of them need the help of a school teacher to write an intelligible letter. True, Veer will probably never be a stewardess, and Lorraine probably doesn't scratch around in the dirt for bugs. But the similarities are astounding. But my voice is only one among the many in Ruddock House. There are many different points of view on the issue of Playboy, and I wanted to get an unbiased opinion. So I asked John Krowas. "Hey John, do you find Playboy offensive?" "Yes, Chris, actually it's very offensive to my sensibilities." "How so, John?" "Well, how come I never get to meet any of these bimbos!" A woman's point of view was also needed on the subject, so I asked Kris Blouke, the woman whose sexual escapades have been the basis for many of the letters in Penthouse Forum. "Hey Kris, what do you think about Playboy?" "They'd have to pay me a lot of money." "What, to read it?" "No, silly, to pose for it. Tell them I want at least \$100, \$200 if I can't wear coconuts." "They don't want you to pose, Kris, we just want to know if you find it offensive." "They don't want me! Well, I find that very offensive." Well, there you have it. Some people in the house do find Playboy offensive.

So we might have to subscribe to Jugs, instead, and get our filth from the BFD. We probably can't keep Playboy in the library any more anyway. It could be considered sexual harrasment. Of course, so could this Inside World. Pretty soon we're all going to have to pretend sex doesn't exist anymore, kinda like Melissa. But no matter how much you try and ignore it, it's out there. Hiding behind closed doors, in motel rooms, and the back seats of cars. If you listen real close, you can hear it. . . Boink. Boink Boink Boink. Sec. . . ? It's just like the motto of Ruddock House, "You're going to have to deal with sex sometime in your life, so it might as well be in Ruddock House." This weekend's social event is going to the Halloween party in Santa Barbara and getting arrested. And maybe the MOSH can bail you out in time to get to the Caltech Halloween party and go on a negative time Tommy's run. Boink!

ality for the nineties. He has taken  
rice. Every week, we will provide  
is never too late to start a fresh.

of the nineties' hair must look styl-  
and frizzies do not work. Nice try  
tail, the sides and top of your hair  
Pluhar exemplifies this style. The  
we are approaching the interview  
se than a bad haircut and a business  
improve your social life, just look  
ie view on hair up until he followed  
So that is the first stage of the new

, please encourage them to undergo

fanning

e man.  
or it is better to look good than to

ed during Blacker House's pathetic  
resulted in some showering of frosh  
thing. A few days later, he resur-  
vided the cover for his/her actions.

aying. Maybe the frosh can recover  
lead. Watch out for the Mad Groper.

: Scurves discovered an awful stench  
The pillow, 6'x 4'x 2', was drenched  
d discarded. The case was taken to  
k and Scott Bjerke.  
However, the amount of liquid reco-  
theory. Roto-Rooter, Private Invest-  
pying the pillow in question for at  
cause of the smell is still in doubt,  
e incident, or he put up with it for

're supposed to sit with your house's  
e getting their butts kicked 32 to 5.  
for mauling Dabney and Spuddock

pervert.  
ice Legs, but you should shave them.

l free to write us with your sugges-  
barrassed to write your own inside  
ry Alley, Rickett House, Pasadena,  
nymity guaranteed.

-Meeb, Dweeb and the Pleeb

**CAERE**

**Caere Corporation needs top-quality software engineers to develop algorithms and products based on image and pattern-recognition technology.**

We are the world leader in page recognition software and are recognized with award from PC and MacUser magazines. Nestled among the trees in Los Gatos, California, between Silicon Valley and the ocean, Caere is a fast-growing company that offers challenging projects in a highly creative and supportive environment.

**Caere will conduct on-campus interviews October 30th.**

We require programming expertise and a BS or MS in Computer Science, Electrical Engineering, Math, or Physics. Skills in C, assembly, UNIX, NeXT, Macintosh, pattern recognition, image processing, and quality assurance are assets.

**Come to an informal meeting with Carl Alsing**

Carl Alsing, the midnight programmer in "Soul of a New Machine" and Caere's Manager of Software Development, will talk about "How to Teach Machines to Read." Refreshments and other interesting ideas will be plentiful. You'll be able to talk to Carl about your interests and ambitions. The meeting will take place at:

**STUDENT ACTIVITY CENTER  
Room #26**

**October 29th  
4:00 to 6:00 P.M.**

**omniPAGE**

**TYPIST™**

**PARALLEL  
READER.**



# what goes on

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

## Satisfaction Guaranteed

If you want to feel good, be totally competent at what you're doing, and know that someone needs you, call the Y at x6163 to sign up for volunteer tutoring. You will, you will be, and someone does.

## S.P.E.C.T.R.E. (MAX)

There will be a S.P.E.C.T.R.E. meeting on Tuesday, October 30 at 7:30 pm in Rm. 35. We will redistribute library keys at this meeting, so if you have a key or want one *please show up!!!* Afterwards we will (probably) watch *Max Headroom* (original British version). Questions: call Eric (564-8949) or Dave (440-0459). Be seeing you...

## JPL On-Campus Job

Dr. David Halpern of JPL needs a part-time Scientific Computer Programmer. Work involves development of gridded data sets, preparation of color and black & white graphical displays, computation of statistics, and documentation of procedures. Experience with FORTRAN is essential. Most of the work could be done on campus, with occasional visits to JPL. Call Dr. Halpern at 354-5327 for further information, or see the job listing in the Career Development Center, 08 Parsons-Gates.

## Faculty-Student Shabbat

Faculty, staff and students are invited to spend Shabbat together on November 2. A delicious dinner will be served and a short service will be held at the home of Gary and Louise Lorden at 6:30 pm. The evening will mark the first event of the year for the Hillel Faculty-Staff group. Please call 447-2003 for information and reservations.

## Monster Halloween Tournament

Come check out the Monster Tournament in the SAC Gameroom running from now through Halloween. First prize will be a free meal at the Coffeehouse.

## Found Sleeping Bags

The Caltech Y has found some sleeping bags left over from the New Student Camp. If you may have lost yours, please stop by the Y and look over our selection. If you're still asleep in it, wake up and go home!

## Waltz Party

Saturday, November 3 from 8 to 11 pm there will be a Viennese Waltz Dance Party in Dabney Lounge. The music is provided by the Caltech-Occidental Orchestra. Formal attire will be welcome but not required. It is open to the entire Caltech community and all alumni. Refreshments will be served. Admission is free. Two pre-party Waltz classes have been scheduled—in Winnett Lounge from 7-8 pm, last night and on November 1. [Hey, we can't print them until we get them.]

## Side Saddle

The Cow Tech Equestrian Team takes great pride in presenting a guest speaker. Carol Lee Almas will be here on Monday, Oct. 29 to show some videos and give a little talk on riding side saddle. Ms. Almas is a Cow Palace Grand National Champion in side saddle and a certified judge. This is a rare chance to see and talk to someone who still does the very 'proper' (and HARD) form of riding. Noon to 1 pm, 19 Baxter. Bring your own lunch. If you have any questions, please call Liz at x4515 or Victoria at x3828.

## Rehearsal Pianist Needed

Rehearsal pianist needed for the annual Caltech/JPL musical *Working*. Earn units or cash as you tickle the ivories. Call Roberta at 405-9741 for more information.

## TACIT Auditions

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

## Flytying Classes

The Caltech Flyfishers will be holding beginning flytying classes on Wednesday evenings at 5:30 pm starting Nov. 7. Interested members of the Caltech community should contact Doug Pearson at x4651 for further information.

## Assembly Fellowship Program

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

## Why Graduate School?

The GEM Program will present a two-hour national interactive videoconference on "Why Graduate School in Science and Engineering?" on Tuesday, October 30, 1990. Viewing will be from 10 am to 12 noon in Baxter Lecture Hall. The goals of the conference are to inform science and engineering undergraduate students of current trends in American graduate education in science and engineering, to demonstrate the advantages of graduate education, and to inform students of resources and financial assistance available, among other topics. The Career Development Center, x6361, has all the details.

## On-Campus Recruiting for Seniors

On-Campus Recruiting for bachelor's and master's students starts October 29. If you didn't receive a package of information from the Career Development Center and are interested in participating, stop by our office and get on our mailing list. Each year, between 150 and 200 companies come on campus to interview prospective graduates. We also compile a resume book for students seeking permanent industrial employment. The deadline to submit your one-page resume for inclusion in the book is Friday, November 2. Stop by for more details.

The Career Development Center is located in 08 Parsons-Gates. Our hours are from 8-12 and 1-5. Our extension is x6361.

## FINAL NOTICE!!!

The deadline to apply for a Green Hills Scholarship is Thursday, November 1. NO EXCEPTIONS!!!

# scholarships

## Scholarship Listings

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 California Irrigation Institute has announced the availability of a \$1,000 scholarship award for the 1990-91 academic year. To be eligible, students must be either juniors or seniors, enrolled full-time in a course of study leading to a major in an irrigation- or water-related field of study. The deadline to apply is November 1, 1990.

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

The Northrop Corporation is offering scholarships at Caltech for the 1990-91 academic year. The scholarship is open to juniors in Electrical Engineering with at least a 3.3 GPA and a career interest in the defense aerospace/electronics industry. The applicant must be a U.S. citizen, a resident in geographic proximity to a Northrop facility and must not be a concurrent recipient of another company's scholarship. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline is 5:00 pm on Friday, November 2.

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

The College Women's Club of Pasadena is offering scholarships for 1991-92 to full-time undergraduate students. You may apply for a \$2,000 award which may be used for tuition/fees, textbooks, and lab fees. Full-time graduate students may apply for fellowships of \$3,000.

Application forms and instructions are available in the Financial Aid Office. Completed applications, including an academic transcript, current course list and three recommendations are due in the Financial Aid Office by February 1. One graduate and one undergraduate will be selected from the applicant pool and then submitted to the College Women's Club by their March 1 deadline.

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

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

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

## CLASSIFIED ADS

### FOR SALE—

**FOR SALE:** 4 new all-weather resin couches with dark lacquer finish, and two matching loveseats. We will deliver. \$4000 OBO. Call Bob Marlin, x.6173, Ricketts House.

### HELP WANTED—

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

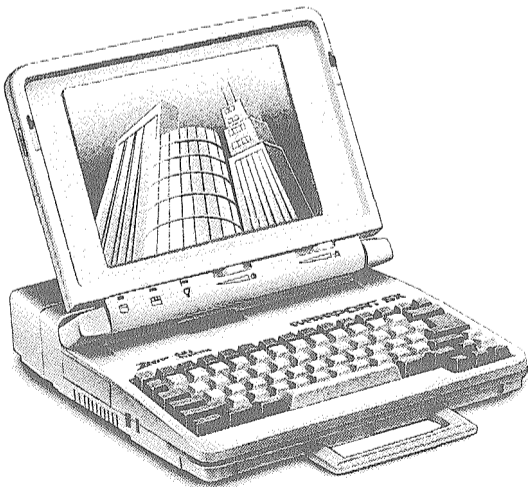
### FUNDRAISERS—

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

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

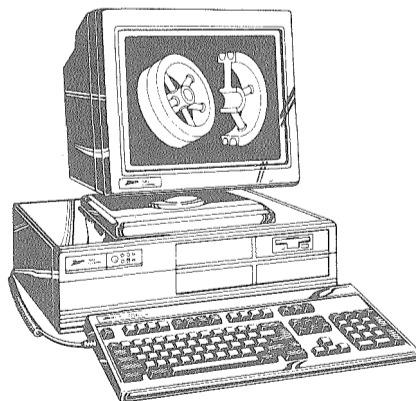
# New Angles in Technology Product Demonstration Tuesday, October 30, 9 am - 3 pm Winnett Student Center

For more information, contact Marc Abel at 568-3755, or Caltech CCO at 356-4612.



**40 MB**  
**\$3352**

**100 MB**  
**\$3759**



**150 MB**  
**\$6553**

**320 MB**  
**\$7366**

## SupersPort SX

### 32 Bit Processing in a Lightweight Laptop

#### CPU AND MEMORY

**Processor** 16 MHz 32-bit 80386SX, zero wait states.  
**Coprocessor** Optional 80387SX numeric coprocessor.  
**Memory** 1 MB RAM standard, expandable to 8 MB with EMS capabilities.  
**Software** MS-DOS 3.3 Plus included.

#### VIDEO

**Display Graphics** 640 x 400 pixel resolution, VGA mode. Expanded 256 character ASCII set. Full descenders on lower case characters, reverse video.

#### Video

VGA video support standard with 15-pin D connector. Color displays are represented by 16 corresponding gray levels.

## Z-386/33E

### EISA High Performance 386 Workstation

#### CPU AND MEMORY

**Processor** 33 MHz 32-bit 80386. Zero wait states.  
**Coprocessor** Optional Intel 33 MHz 80387, or 33 MHz Weitek numeric coprocessor.  
**Memory** 4 MB enhanced page-mode column RAM. Expandable to 20 MB on main system board using 1 MB and 4 MB SIMMs. Expandable to 64 MB using optional memory upgrade boards.  
**Cache Memory** Standard 16 KB cache RAM with 16 layer write queue.  
**Software** MS-DOS(R), Microsoft(R) Windows. included. MS OS/2 or SCO Unix available as an option.

Specifications and pricing subject to change without notice.

# sports

## Harriers Prepare for Conference

The cross-country team traveled to Thousand Oaks to run a new course in the hills above Cal Lutheran University. Pomona-Pitzer won both the men's and women's races. La Verne did not have a complete team.

Cal Lutheran wants to join the SCIAC conference, however they still have athletes on scholarship and cannot join until they graduate. Since this was a conference race, Cal Lutheran was a non-scoring participant. This left only Pomona-Pitzer, which has a very strong team and La Verne, which does not have a complete team. With the outcome of the race already decided, the runners treated this race as a training run.

The course was almost entirely on dirt trails with a few decent size hills. What made the course tough, however, was the strong wind, which pelted the runners with dust and slowed them to a crawl on one open stretch.

In the men's race, Tech's Aaron Matzner ran with the top Cal Lutheran men for most of the race before pulling away at the end to finish first. His time was 25:16, which on a five mile course would be incredible. However, the Cal

Lutheran course was discovered to be quite a bit short of five miles.

Pomona-Pitzer's top five ran as a pack, partially to draft off each other against the strong headwinds. Their top five all finished from 26:47 to 27:12.

Scott Kister finished behind the Pomona pack in a time of 27:46. Jonah Michaud and Mark Lyttle were next for the Beavers, running together to times of 28:27 and 28:33 respectively. Andy Zug (29:09), Win Chamberlain (29:46) and Ned Bowden (29:53) rounded out Tech's top seven.

The final score was Pomona-Pitzer 20, Caltech 36. The Beavers were again missing some of their top runners. Dan Flees came to the meet, but was too sick to run. Chris Campo and John Pham had some trouble getting to the gym by 7 AM.

Coach Jim O'Brien wanted the women's third through fifth runners to learn to run closer to the top two runners, with the conference race coming up next week. This week he instructed top runners Amy Hansen and Aimee Smith run as a pack with the third and fourth runners to pull them along. As a result, Hansen, Smith, Golda Bernstein, and Emmeline Narnajo finished in

21st through 25th in a time of 23:35.

Anna George (24:38), Gretchen Mullendore (24:43), Jessie Haldeman and Betsy Barton (both in 26:21) also ran strong races. The pack strategy did not help the final scoring, as Pomona-Pitzer defeated Tech 15-50.

Next week is the SCIAC conference race at La Mirada. Aaron Matzner is looking for a possible top three finish in conference. The men's team is hoping to avenge their narrow defeats to Whittier and Redlands. The women are hoping to beat Redlands again.

## Biathlon

by John Pham

What: 5k-30k-5k run-bike-run

Where: the Rose Bowl

When: November 17, 1990.

Time TBA. It's five weeks away, but start training now.

Who: Call John Pham and Chris Campo at 449 4626, or Mark Lyttle at 356 6828

Cost: It's FREE.

Prizes: What do you expect?

We would like to extend personal invitations to ANYONE who wants to do this race. Even if you can't run, you can pair up with a runner and race as a relay. There are certain studs and studentes we definitely want to see at the Rose Bowl on November 17.

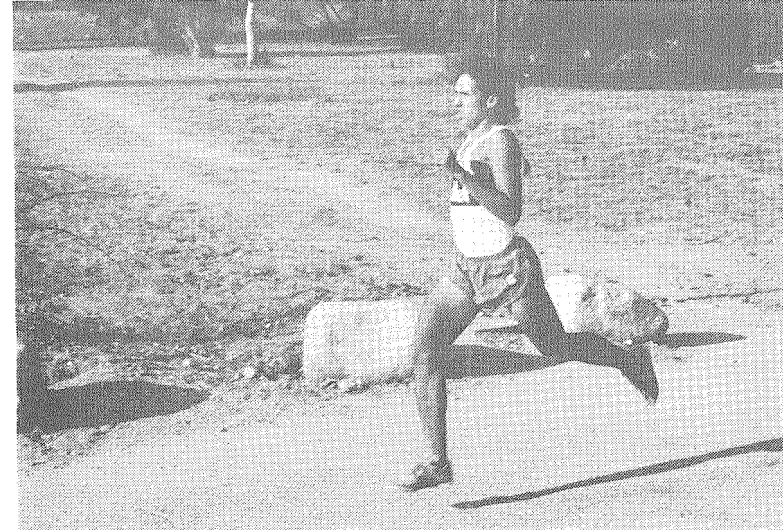
Craig Reynolds, Ron Souder, Don Caldwell, John Freeman, Derek Slye, Bob 'I-can-beat-everybody' Maher, David Raichlen, Rich Dissly, Kathy Kanes, Coach O'Brien and his triathlon class, Lisa Waitz, 'Cookie' Mahon, Andre 'the Legend' Ohanissian.

Jonah 'Devil' Michaud, Zug the Slug, Matzner, Skin Bowden, Kister, Mr. Kestrel, Skippy, Aimee and Amy, MacLeod, Carol and Betsy, Flees, Clark, Maddog, STORM and Iron Mike Ida.

Let's get it on.



Jonah Michaud powers through the finish line.



Aaron Matzner cruises through the race, before pulling away to victory.

## Caltech Soccer Club

The Caltech-JPL Soccer Club, a motley collection of graduates, post-docs. and alumni, recently participated in a tournament held at U.C. Riverside. To many people's surprise (except themselves) they overcame the head and the smog to defeat teams from Pepperdine, Cal State Long Beach, and the hosts. This was certainly third time lucky since they finished runners-up in two competitions last year. The reward for this fine victory is automatic qualification for a National Collegiate Competition to

be held in Austin, Texas on Nov. 16-18. There Caltech will have the unique chance to face the somewhat 'bigger guns' of B.Y.U, Univ. of Illinois, and Univ. of Texas-El Paso amongst others. In order to have the opportunity to prove that size isn't everything, the team has had to raise some \$3000. Various organizations around campus have already helped them with their cause, and the team is also holding a raffle. Anyone interested in adding to this can contact Flavio Noca at x4769.

## New Women's Coach

by Shane Sauby

The Caltech athletic department has a new tennis coach. The new coach is Karen Nilsen and she is one of the youngest coaches in the athletic department. Karen is from Phoenix and attended Pomona-Pitzer, just down the road. There were some interesting things to find out about this woman.

The first surprise was that she is only twenty-three. (She had to think about this one when I asked her.) Not being that much older, she still has not had any troubles with lack of respect from the students. In fact, she says that the students at Caltech show much more respect for each other and the faculty, which she appreciates.

Her first job was coaching the women's team at Pitzer right after she graduated. Since the team knew her as a classmate and not a coach, she had a harder time earning the respect of her team. Their have been no problems here,

however, and she has been enjoying the first three weeks of classes.

Karen has some other interests other then just tennis. She says that there are not many, if any, "lifelong" athletes at Caltech, so she would like to get students more interested in athletics. She would also like to meet and help the women students, understanding that things are sometimes a little harder because of the social climate.

Karen has been playing tennis for most of her life and enjoys the sport very much. On the other side of her coaching duties is the intermediate volleyball class. She is working hard teaching some more advanced skills to volleyball players enrolled in this class. She says its a challenge working with such a diverse ability level, unlike her tennis class, but she enjoys the class very much. Karen will be around for a while and hopefully everyone will get a chance to meet her.

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	10-19	Soccer	Pacific Christian	1-3
Sat.	10-20	Cross Country (M)	Pomona-Pitzer, La Verne	vs. Pomona-Pitzer 35-20, vs. LaVerne forfeit win
Sat.	10-20	Cross Country (W)	Pomona-Pitzer, La Verne	vs. Pomona-Pitzer 50-15, vs. LaVerne forfeit win
Sat.	10-20	Football	Cal Poly Pomona	3-9
Sat.	10-20	Soccer	Occidental	2-8
Mon.	10-22	Volleyball (W)	Pacific Christian	0-3
Tue.	10-23	Soccer	Loma Linda University	3-2
Wed.	10-24	Water Polo	Claremont-Mudd	5-18
Wed.	10-24	Soccer	Whittier	2-2

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	10-26	6:00 pm	Volleyball (W)	Cal Maritime Invitational	Cal Maritime
Sat.	10-27	10:00 am	Cross Country	SCIAC Championship	La Mirada
Sat.	10-27	1:30 pm	Football	San Fernando Valley Nomads	Caltech
Sat.	10-27	2:00 pm	Volleyball (W)	Cal Maritime Invitational	Cal Maritime
Sat.	10-27	TBA	Water Polo	Chapman Tournament	Chapman
Sun.	10-28	TBA	Water Polo	Chapman Tournament	Chapman
Mon.	10-29	7:30 pm	Volleyball (W)	Loma Linda University	Caltech
Wed.	10-31	4:00 pm	Water Polo	Whittier	Whittier
Wed.	10-31	7:00 pm	Soccer	La Verne	La Verne
Wed.	10-31	7:00 pm	Volleyball (W)	Christian Heritage	Caltech
Fri.	11-2	TBA	Water Polo	SCIAC Finals	Caltech
Sat.	11-3	TBA	Water Polo	SCIAC Finals	Caltech
Sat.	11-3	11:00 am	Soccer	Cal Maritime	Caltech
Sat.	11-3	1:00 pm	Fencing	UCSB & Cal Poly Pomona	Caltech
Sat.	11-3	1:30 pm	Football	U. of San Diego JV	Caltech
Sat.	11-3	2:00 pm	Volleyball (W)	Mount Saint Mary's	Mount Saint Mary's
Sun.	11-4	TBA	Water Polo	SCIAC Finals	Caltech



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