

It will be here soon...  
That Day of Romance  
And what could be more romantic  
than a Valentine in the newspaper?  
It's Fun, It's Free.  
We can type it or you can write it! Using  
a box the size of this one, submit to 40-58,  
or visit us next Thursday in the SAC.

# THE CALIFORNIA TECH

Shelly,  
I think you're  
a hot smokin' BABE!  
I hope I see you  
at McDonalds this  
weekend! Love,  
your secret  
Admirer

Volume XCII, Number 15

Pasadena, California

February 8, 1991

## Langdale Leaving Tech

by Emily Lo

After three years as Caltech's Admissions Director, Dan Langdale is leaving to return to the East Coast. Most students know him, since he is responsible for selecting the present sophomore and junior classes. Others know him through his support of Caltech sports and campus life. He plans to stay until the end of May in order to finish this year's admissions cycle and aid in the search for a new director.

Just a few years ago, in the fall of '88, Caltech began its search for someone to replace Stirling Huntley. A consultant named Richard Mull was hired to oversee and drive the search. At the time, Langdale was working in Admissions and Financial Aid at MIT. He found the opportunity to become a part of Caltech very appealing, so one afternoon, he biked to Boston for a two-hour interview.

Mull concluded that Langdale did not seem to be the type of person Caltech described but thought they might be interested in him anyway. Caltech was interested

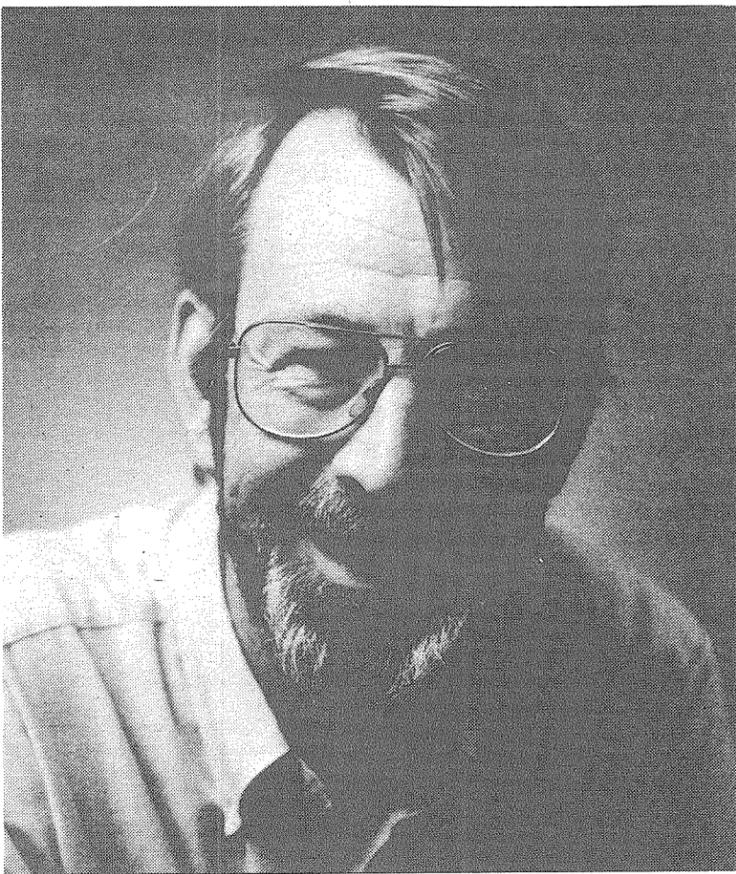
and invited him to Pasadena to meet the committee. An offer was made and Dan Langdale arrived in the Fall of '88, full of ideas and energy.

Coming from MIT, Langdale was familiar with the type of students and environment of Caltech. The one thing that surprised him was that Caltech did not seem to have much emphasis in the humanities and social sciences. He later realized that they do care about them but are constrained by the small student body. Langdale had anticipated the power of the faculty which he views is greater here than

at any other university but is appropriate. The students seemed very similar though from different coasts. An increase in contact between CIT and MIT is something he hopes the future will bring.

From the admissions standpoint, Langdale came at a time when the old system consisting of a great deal of faculty interviewing was becoming obsolete. As the time demands of faculty increased, travel became difficult. A new process was introduced where each application is given a personal as well as academic rating. The applicants are then placed on a matrix

continued on page 7



Daniel Langdale, head of undergraduate admissions at Caltech since the fall of 1988, is resigning in May to live with his wife on the East Coast.

## Pasadena Police Crime Tips

by Rob Ellis

If you read the Crime Beat, you've probably noticed that there are constantly thefts and assaults that occur on or near campus. Anything from car stereos to computer hard drives seems to be fair game for theft. Even locked cars have been broken into and driven away.

Assaults have occurred as close to campus as San Pasqual. Computers and copy card readers and other items are only as hard to get to as the buildings they are in, and at Caltech, for some places that's not very hard. The undergraduate houses are left open at all hours, and other buildings, such as Jorgensen, aren't hard to get into even without a key.

Sergeant Don Forster of the crime prevention section of the Pasadena Police department has good advice for security on campus, and for making it easier for the police to help us. According to Forster, the city as a whole does not see the frequency of crime that Caltech does.

There are more opportunities here, since this is a large school where more people are concerned about midterms than about whether their car will be stolen or not. Caltech is also near a large business district. Those responsible for thefts and assaults are reportedly not predictable in the sense that they know how to look for the preoccupied, the unsuspecting, and those who can't defend themselves. They won't pick on too many football players.

Forster also suggests that there are misconceptions about the actions of gangs in the city. It is doubtful that any gang member's initiation would be stealing a bicycle from some Caltech student. Granted, they may be responsible for some of the crime in the immediate area, but they are better

known for robbery, homicides, and confrontations with other gangs. Presently, the police department deals with at least six major gangs, some of which have links to Los Angeles, Pomona, and Monrovia.

If you are approached on the streets, or you feel like you might be accosted, the best thing to do is either run or attract as much attention as possible from passers by. Most of the suspects don't want to attract attention, and firing a gun in a heavily populated area is a sure way to do just that. The main thrust for assailants is intimidation.

**If you are approached on the streets, or you feel like you might be accosted, the best thing to do is either run or attract as much attention as possible from passers by.**

If they can achieve what they want by threatening with fists, a knife, or a gun that's "in my right jacket pocket", they'll go no further in most cases. Forster suggests that one should attempt to run or distract the assailant long enough to escape, but if there is no way out, a victim should try not to antagonize in any way.

The most important thing here is to get a good description of the suspect, including clothing and special characteristics, such as scars, tattoos, accents, or missing teeth. When the police are on their way to a crime scene, they keep an eye out for anyone answering the description; a good description could mean recovering what was stolen right away.

A few measures can be taken to protect against bicycle thefts. The

bike racks on campus are designed to discourage bolt cutters, but they are not completely effective. Locking a bike to a column, cement block, or other strong structure with a case hardened steel cord is nearly foolproof. Serial numbers are often helpful in recovering bicycles. If a bicycle cannot be adequately identified in absence of knowledge of the serial number, it cannot be returned if stolen. The police department has a data base that holds information on stolen bicycles that is referenced every time one is found. Forster said that documenting a bicycle's serial number during registration for Caltech's records would be a good way to keep track of them.

For vehicles, there are two devices that can thwart a car theft. A club locking the steering wheel into place prevents the theft unless the suspect goes so far as to remove the whole steering column or use a tow truck. Similarly, an electrical system kill switch guards against hotwiring attempts. The engine can't even be started at the battery, unless the wire for the kill switch is found. The switch should be installed carefully so that its wire is camouflaged into the electrical system. Ninety percent of the cars that are stolen are found within thirty six hours, usually only a few miles away, and missing a few parts.

The main thing to remember is to be prepared against these kinds of incidents, says Forster. Taking a few extra minutes to securely lock bicycles and document their serial numbers, or buy theft prevention devices for cars, can make the difference. These thieves and assailants would be helpless against a prepared Caltech that refuses to be victimized.

## CRIME AND INCIDENT BEAT

Crime Tip: Keep an eye out for suspicious persons, especially around the bike racks. These people can be caught! Bicycles can be registered with the security office or with the fire department to help with recovery if stolen. If someone is caught stealing a bicycle, the bike cannot be confiscated unless the owner is found.

- 1/22 A red 10 speed Schwinn was stolen from the Lloyd-Ruddock bike rack. The chain and lock were lying on the ground, but did not appear to be cut.
- 1/24 A suspect driving a blue Toyota, license 2LNC657, was seen in the Downs-Lauritsen parking area looking at a car and taking pictures of it in the course of two days.
- 1/24 A Volkswagen Camper Van, license ADS714, belonging to a staff member, was stolen while parked near 306 Chester.
- 1/24 Two bicycles were stolen from a second story apartment patio at 1024 South Catalina. The owners noticed two men apparently looking at the apartment several days beforehand.
- 1/28 A vehicle parked in the Chester lot was broken into. A window was smashed and a radar detector removed.
- 1/29 A student left his car to go to lab, returned, and saw that his stereo had been taken. The car was parked on San Pasqual between Wilson and Catalina.
- 1/30 A resident of Pasadena who had parked in the West Wilson parking lot noticed that his vehicle had been stolen.
- 1/30 A student finally got fed up with a car that was found repeatedly blocking the student's car in, and he got security to issue a citation to the vehicle. The student later saw a note of thanks glued to his windshield.
- 1/31 A Mazda parked in the West Wilson lot was broken into during the thirty-five minutes that the owner was away. The left rear window was smashed, and a car coat was taken.
- 1/31 An unknown person entered a room in Ricketts House and removed one disk. Eighty dollars in cash were left on the desk untouched.
- 2/1 The Crime and Incident Beat was recovered.
- 2/1 Another bicycle theft occurred at the bench at the northwest corner of the Athenaeum. A faculty member had locked his bike to the bench, but he only found the chain when he returned.
- 2/1 A member of Page House found that his car's dash light's were on and that the ignition switch would not work when he returned to San Pasqual where it was parked.
- 2/1 Over the weekend a telephone answering machine was taken from the 2nd floor of Millikan Library. The office was locked, and there was no evidence of forced entry.
- 2/2 A Ruddock House student observed a suspect exit the northwest door of Ruddock with a garbage can of aluminum cans. The student persuaded the suspect that the cans were not his and should be returned. He then blocked the suspect's vehicle in until security officers arrived to ask questions.
- 2/3 Security officers noticed two suspects around the Catalina Housing complex and later around the South Houses. One of the suspects appeared to be carrying something under his shirt, and a security officer asked them to stop. One suspect dropped a bolt cutter and ran toward Bechtel Mall, but was stopped and arrested. A Page House student stated he had observed the suspect attempt to cut the security cable on a bicycle that was parked at the north stairwell of Winnett Center.
- 2/4 Security found a person soliciting magazines in the Catalina Graduate Housing area. She was advised that soliciting is not allowed on Caltech property and warned that she would be arrested if found soliciting at Caltech again.
- 2/4 In a related event, a person was found soliciting magazine sales in Ruddock House. Security officers detained the suspect until the police arrived. The suspect was advised that she was trespassing and would be arrested if found on Caltech property again. Both incidents were related to United Subscription Services, Inc. Total value damaged, stolen, or missing: \$7124

INSIDE

**ASCIT Election Statements**

page 3, 5, 11

**Ask The Administration**

page 2

**Gulf War Opinions**

page 6

letters

An Apology to Lloyd House

To the Editors:

The other day I said that most of the people in Lloyd were "short, oriental people who do not speak English." It was a joke, meant in jest, and said to people who had no prior knowledge about Caltech. This comment got around to the present President of Lloyd and she talked to me about it. She said it was racist, discriminatory, and untrue. She did not find it appropriate or funny. I said to her "I was joking," but after thinking about it, she was absolutely correct. It was a rotten thing to say, losing its humor the more I mulled it over in my mind.

I tried to say it was like all the other house stereotypes, like calling a Darb a druggie, or a Rudd a cliquish snob, but these themselves are stereotypes. They are hurtful and malicious and usually very untrue for most of the people in the house. There is no defense for these kinds of stereotypes either. I wanted to apologize to Aimee Smith and Lloyd, and take back what I said if they would let me.

Aimee also pointed out that I

was being racist in this statement, and I said that I didn't mean to be. Again though, she was right, whether I meant it or not. In fact, in not thinking about it as a racist statement, I made it even worse, since someone who is unaware of their racist thoughts cannot do anything about them. To me it was a comment quickly forgotten that meant nothing, but it was not and should not have been. For this I wish to apologize also, to any kind and all those who find what I said offensive or in poor taste.

Finally, I would like to thank Aimee for pointing this out to me and making me think about it. If she had not been so adamant about it, I probably would have let it go and forgotten all about it. Instead, she forced me to face what I said and realize that I did not mean it and should never have said it. In return, I am writing this letter, which I hope will make other people stop and think about what they say about another house before they say it. I hope it is enough.

-Shane Sauby  
Ruddock House

Alcoholism in Family

by Aimee Ellicott

According to the American College Health Association, approximately 30 million people in the United States have an alcoholic parent and many more grew up in families with other serious problems, such as abuse or emotional difficulties.

In families where there are no problems with alcohol or abuse, there can still exist a climate of criticism or pressure which affects children as they develop. The impact of growing up within a family context of criticism or substance abuse can be long-lasting, particularly because childhood is a period of personality development and dependency for youngsters. In addition, family dysfunction is often minimized or kept secret, which prevents the children and parents from obtaining assistance or addressing the problem.

How does a person's family background affect him or her in adulthood? Obviously, there are many different possible outcomes depending on the individual, the nature and extent of the family problem, and the resources available. You may be aware that there were alcohol problems in your family when you were growing up.

However, you may not appreciate the ways in which those problems continue to affect you, even as an adult. Surveys suggest that adult children of alcoholics are more likely than others to struggle with feelings of shame and doubt which affect their adult relationships, and to have more problems with drugs and alcohol themselves. However, there are often positive

as well as negative outcomes of growing up in such families because of the strengths children develop when faced with adverse situations.

Students in college are typically in the process of separating emotionally and physically from their families and creating independent lives and identities for themselves. This process is more difficult for individuals who are from dysfunctional families because students may feel obliged to worry about or take care of their families. Students from dysfunctional families may also feel enormous pressure from parents to perform well academically, as if their academic achievement will enhance or fix the entire family.

Examining the family climate in which you were raised can help you to understand the roles, beliefs, and assumptions underlying your behavior as an adult and give you more freedom from your past. On Tuesday, February 12, from 12 noon to 1 pm, in Winnett Clubroom 1, Aimee Ellicott, Ph.D. of the Student Consultation Program, and Adele Fleming-Waltch, L.C.S.W. of the Staff and Faculty Consultation Center, will present a lecture and discussion on "Understanding Dysfunctional Families."

Students, staff and faculty are welcome to attend. In addition, a therapy and support group for adult children of alcoholics is currently being formed on campus for undergraduates and graduate students. Please call Aimee Ellicott at 792-3191 if you would like further information about either of these two programs.

Ask The Administration: Crime

The California Tech is adding a weekly column called "Ask the Administration." Each week we will ask a member of the Caltech community a question we feel our readers would like to have answered.

If you have a question you would like us to ask, or a better name for this column, please send them to the Editors of the Tech, 40-58.

Question

In light of the current rash of assaults, what happened to the plan to install security phones? Also, what else is Caltech doing to make the campus safer?

Answer

**Emergency Telephone System:** The campus emergency telephone system has been approved. We have selected a vendor and signed the contract. The system is scheduled to be in operation by late March. The phones will be installed in 10 locations on the campus. They will be push-to-talk, with an immediate radio connection to the Emergency Response Center. As we get closer to the operational date, we will provide additional campus-wide information about the system.

**Assaults:** The rash of assaults is alarming and serious. There have

been ten assaults on members of the Caltech community since the beginning of the academic year. Four of the assaults occurred along Del Mar Boulevard, two occurred at San Pasqual and Catalina street, and four were off-campus, but within a few blocks.

In light of the number of assaults and their location on the boundaries of the campus, Caltech Security met with representatives of the Pasadena Police Department to explore ways to minimize both on-campus and off-campus crimes. Since that meeting, Pasadena Police patrols on the periphery of campus and in the immediate area have increased, both at night and during the day. We are also making arrangements with the Pasadena Police Department to conduct crime awareness and prevention programs on the campus. These will be conducted at noon, and the campus community will be notified of the dates and times.

Caltech Security has also added two security officers to its staff; one on the 4:00 PM to midnight shift and one from midnight to 8:00 AM. We have also added a second security vehicle with a light bar and identification, to our fleet. The additional personnel and equipment is being used to make full time patrols of the campus periphery and the parking lots. We believe, in conjunction with the Pasadena Police

Department patrols, that this will sharply reduce the assaults in these areas.

We are planning additional security measures in the immediate future. One of these is the sale of Kryptonite-type bicycle locks, and cables and locks. These will be sold at cost, in the Bookstore, in conjunction with a bicycle registration plan and an increased number of bicycle racks on campus.

Additionally, we will be advertising for student security officers, to provide an escort service and to assist in parking lot patrols. We have substantially increased the salary for this position, to encourage responses.

Also, we are urging the campus community to continue to report all suspicious persons or occurrences to us. With your help, we can continue to provide a safe environment conducive to university activities.

Sincerely yours,  
Harold Ginder  
Manager of Security

WANTED

On-Campus Circulation Staff  
Immediate Opening  
\$19 / issue  
\$6 mileage reimbursement.

THE CALIFORNIA TECH

Volume XCII • Number 15  
February 8, 1991

EDITORS  
Mark Lyttle  
Scott Kister

CRIME BEAT EDITOR  
Rob Ellis

WRITERS  
Jill Bush  
Jim Caron  
Chris Campo  
Sam Dinkin  
Clint Dodd  
Rob Ellis  
Emily Lo

PHOTO EDITOR  
Michelle Tseng

ELECTRONIC COPY EDITOR  
Asim Mughal

PRODUCTION  
Nick Smith

BUSINESS MANAGER  
Sonny Arcilla

ADVERTISING MANAGER  
Joseph Chiu

CIRCULATION  
Peyjen Wu  
Sonny Arcilla

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

Subscription requests should be directed to the office manager. Subscriptions (mailed third class) are \$3.50 for one term, \$10 for one year, and \$19 for two years. Printed by News-Type Service, Glendale.

ISSN 0008-1582

You better vote on Monday...

...cuz Mr. Harkness knows where you live.

FRIDAY NIGHT ASCIT MOVIE

Baxter Lecture Hall  
February 8  
7:30 & 10:00 p.m.

\$1.50 ASCIT  
\$2.00 for others

STAR TREK: THE WRATH OF KHAN  
In Cinemascope  
with Feather Dusted

Next Week:  
FLATLINERS

STUDENTS - GET \$4.00 OFF WITH THIS AD

*The Haircutters*  
Shampoo, Style Cut

MEN Reg. \$20.00 NOW \$16.00  
WOMEN Reg. \$25.00 NOW \$21.00

449-6967  
1009 E. COLORADO • PASADENA  
Offer valid only Monday-Friday, expires June 30, 1991

# statements

## ASCIT TREASURER

### Taletha Derrington

Hi Everyone! Once again it is time for the ever-so-lucky ASCIT office candidates to write a statement so that the ever-so-lucky ASCIT members have a clue about the candidates when it comes to election time. My name is Taletha Derrington, and I am running for the office of ASCIT treasurer.

This job entails keeping the books for ASCIT, writing checks for the various clubs and other expenditures, serving as a member of the BOD, and generally holding a campus-wide leadership role.

I have experience in these various aspects of the ASCIT treasurer's position. I have been involved for one year now, and will continue involvement, in a leadership role in my house. In addition, I have been active with the Y EXCOMM this year, and I am one of three students to conceive of and to facilitate the Undergraduate Centennial Time-line and party to be held later this year. I have experience doing taxes, and I can be relied upon to get the job done well. If nothing else, I have a lot of enthusiasm for all that I undertake and concern for what goes on campus-wide.

My decision to run is founded upon a desire to work for the betterment of student life at Caltech, and as a member of the BOD, I would work toward this end. I am not going to say goony-goo-who vote for... See, I didn't say it! But I will say, remember ASCIT elections on Monday, and remember me when you make your X.

### Frank Filipanits

Since one of the primary functions of ASCIT is the distribution of funds to student organizations, the position of treasurer is a very important one. I believe I have the financial management skills and commitment necessary to best serve the members of ASCIT.

I have extensive experience in handling budgeting and finance. I was treasurer of five clubs during my junior year in high school, including the Yearbook and Class of '88. I was re-elected as treasurer of all five clubs the following year as a result of my success at making wise budgeting decisions and raising revenues. Here at Caltech, I have recently demonstrated my management skills and dedication through the Jam Room. Since I took over at the beginning of the term, I have taken a disorganized, dilapidated organization and turned it around. The equipment is all functional or being repaired, the room is organized and clean, and I am working hard to both raise revenues and make the most of a small budget. If you have doubts about my dedication or managing skill, just talk to someone who's used the Jam Room recently.

If elected, I will bring the same dedication to the office of ASCIT Treasurer. My courseload is moderate and decreasing, so I have the time necessary to serve you well. I have been attending ASCIT meetings for the past month, and intend to continue being at every meeting. As treasurer, I would consider it a firm commitment to be present at every meeting to discuss and vote on the issues raised; after all, that's why you elect a BOD for ASCIT.

Vote Frank Filipanits for ASCIT Treasurer on Monday, and I will, through my experience and dedication, do the best possible job.

## ASCIT SECRETARY

### Jason MacLeod

Hi, my name is Jason MacLeod and I'm running for the office of ASCIT Secretary. This past year, I served on the ASCIT BOD as Freshman Director-at-large. I learned a lot about our student governing body, and found out that I'd like to continue being a part of it. As secretary, my main duty would be to keep the minutes of ASCIT meetings and put them in *The Tech*. I would also be a voting member of the BOD with a say in budget proposals, bylaw changes, and other decisions. BOD secretary is not the most demanding position, and I feel that I could do a good job. I would really like to continue my involvement with ASCIT, so please consider me when you vote.

## IHC CHAIRMAN

### Dan Frumin

In the past year and some that I have been here, I have seen many problems in Caltech. I have also tried to get involved in the solutions. However, there isn't much that a lone person can do in Tech. To get something done in Tech, you need to get everyone rallied up and ready for the change. That's why I'm running for the position of IHC Chairman. I believe that many of the problems in Tech stem from the fact that the people are not being represented to the fullest extent. Many changes are coming about, initiated both by the students and the administration. These changes are going to require the tough times of adjustment. I think that right now, of all times, the right person representing you is important, if not essential. I am that person. And I am here right now, ready to do it.

I believe that IHC is, by far, one of the most important organizations on campus. I also believe that it should take first priority. Therefore, to more fully represent you, I am going to set aside all my other activities and commitments. In this way, I hope to dedicate the necessary amount of time to the trust you have placed in me. One thing I'll continue doing is something I valued ever since I came to

Tech-getting to know YOU. I have spent the past year trying to meet as many of you as possible, in all seven houses, and I believe that I know most of you out there. In that time, I have brought your opinions up in numerous occasions, including Interhouse.

I think the time has passed for the IHC of old. It is the time for a new IHC. An IHC that can not only get the opinions of those it represents, but is also unafraid to go out on a line and use them. This time, I need all your opinions to be "Yeah, I want Fru as IHC Chair." So, please, when it comes time to vote, vote for me.

## Justin Muhly

### the no frills candidate

After poring over the *little t*, looking for all the myriad duties of IHC Chairman, I've found that there aren't all that many. I promise to call regular meetings of the IHC, to take good care of the official copies of the definition of the IHC, and ensure good communication between the IHC, ASCIT, and the administration.

I can do the job and do it well, so vote for me. Saying anything else would just be fluff.

## Richard Song

*So, what's the deal with campus, anyway?*

Well, some heavy changes are taking place. Some are definitely for the better, such as the increased number of women in the last two incoming classes. Some just suck rocks, such as the canceling of Interhouse. And some could go either way, such as the board program for next year. But we must adjust to these changes-good, bad, and ugly-and prepare for challenges to come that means opening up lines of communication with the powers-that-be, instead of buckling up against them and happily complaining. It means actually being a student body, instead of a segmented peanut gallery, each with a flag to wave and a peeve to pet, or worse a head in the sand. It means getting off our duffs and doing something, and maybe when we're through winding up with a student life.

*What does the IHC Chair have to do with this?*

The greatest impact on your life outside of academics while you are here will come from the houses. Not ASCIT. Not "Jim's Journal". I like the houses, with their differences in traditions and personalities. I believe in the house system; it's one of the best things we have going for us. Still, it's not without its problems. Houses and house members can be too willing to shut

themselves off from house contact with other houses. Sometimes house rivalry and disdain can reach unhealthy levels.

There will be times when the houses need to get together, and the IHC is the forum for this. Most of the high-visibility goings on, social events, parties, and the like, are handled either within the houses or by ASCIT, the Y, or such. The IHC faces much of the day-to-day problems from the students' end: things such as housing, board, security, mail service, etc.; in addition to handling disputes between houses. It is the seven houses. And the IHC Chair must bring the presidents together and see that things get done. He must be a bridge to ASCIT and to the administration. He makes sure that important things such as rotation run smoothly. He is a leader and a diplomat, negotiator, facilitator, and arbitrator.

*Why should you cast your vote for Rich Song?*

Like I said, I like the houses. I've served as Vice President in my house (which is Ruddock, by the way), so I am quite familiar with how the houses operate. I've been making an effort to get to know the other houses better, mostly for my own benefit, but this will help me as IHC Chair. But I also serve as an officer on the Caltech Y Excomm, so I've learned something about being a campus-wide student leader, and also working with the administration and other outside groups. I want to be elected IHC Chair not for the sake of the office, but rather for what I can offer to the position, and what I can do in that capacity.

*Any questions?*

Come talk to me, ask me questions, if you want to know more about by ideas of opinions, or just to get to know me. Stop by any time, I'll be happy to talk for a bit. Even if I'm trucking down the olive walk, late for class. Even if I'm taking a whiz in the stall next to you. Or you can stop by and see me in Ruddock room 201. I'm probably looking for a reason to put off some assignment a little longer. This offer does not expire after the election, but lasts indefinitely. Even if I'm not elected to IHC Chair. But let's not talk of such things. Instead, let's look forward to a brighter future.

### Attention Aero Students!

Applications for the AIAA/Industry Scholarship program are now available. These are \$1000 renewable scholarships. Last year odds for getting a scholarship were 1 in 2! Check the AIAA table or call 792-1513.

*Sam Custom Tailor*  
3519 E. COLORADO BLVD  
PASADENA  
(818) 793-2582  
Hours: 9:00 a.m. - 6:30 p.m.  
Special rates for Caltech/JPL community

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

**A KALEIDOSCOPE OF ENTERTAINMENT**  
*Caltech public events*  
**PRESERVATION HALL JAZZ BAND**  
New Orleans Jazz  
Saturday, February 9 / 8 p.m.  
Beckman Auditorium  
\$25.00 - 22.50 - 20.00  
ECHTIX & CIT STUDENT RUSH TICKETS GO ON SALE  
FRIDAY, FEBRUARY 8  
CIT Faculty & Staff: \$22.50 - 11.25 - 10.00  
CIT Students: \$7.50  
Call campus extension 4652 for information.

## Randy Stevenson

My name is Randy Stevenson and I would like your vote for IHC chairman.

There are three ways that student affairs decisions can be made: 1) The administration can make a decision, 2) the students (usually in the form of the IHC or ASCIT) make a decision, and 3) the administration and the students make a joint decision. Choice three is widely regarded as the choice healthiest for maintaining relations. As a result, many decisions which belong in one of the other two categories are forced into the third. The net effect can be that students feel they are being yanked around and patronized, that their opinions don't mean much. Not good. Let's face it, some decisions don't need approval by student opinion.

The IHC deals mainly in student opinions. After being on IHC for a year, I've noticed that there is no real understanding of how much student opinion really matters. For example, take the issue of central mailboxes. The institute, having a legal obligation to ensure the delivery of student mail, has every right to make this decision without student opinion. However, in hopes that the students would agree, the IHC was asked if they wanted central mailboxes. Perhaps a more appropriate question would have been "where do you want them?"

I see potential in the IHC to clear things up a bit. It is the IHC chairman's job to decide (and sometimes discover) how important student opinion is on any given issue, and pass that information on to the student body. It's important to all of us that there is no confusion about what we can and cannot decide, and how much influence we can expect to have on any resulting decision. Hopefully, by careful decision making on the part of the IHC chairman, the IHC can begin addressing their own issues, rather than simply handing out student opinion.

This takes a qualified and experienced person. I have been on the IHC for the past year, and can assume the role of IHC chairman with little effort. This means the IHC will not get off to a slow start. Please vote for me.

**LAEMMLE THEATRES**

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

Richard Dreyfuss  
and  
Holly Hunter  
in Lasse Hallström's  
**Once Around**  
Daily 5:00, 7:30, 9:50 p.m.  
Sat-Sun Matinees 12:00, 2:30 p.m.

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

"Best Foreign Film"  
-National Board of Review  
Gerard Depardieu  
**Cyrano De Bergerac**  
Daily 6:30, 9:20 p.m.  
Sat-Sun Matinees 12:45, 3:40 p.m.

Student & Youth Travel  
**WAY TO GO FOR LESS!**

**-ROUNDTrips!-**

LONDON	from	\$430
SYDNEY	from	\$685
COSTA RICA	from	\$299
AMSTERDAM	from	\$640
OSLO	from	\$730
BANGKOK	from	\$858
COPENHAGEN	from	\$770
RIO	from	\$1030
NEPAL	from	\$1335
NYC/D.C./BOS	from	\$303

- Flights Worldwide
- Departures from LAX, Similar Low Cost Fares from all Major U.S. Cities
- Low Cost One Way Fares on Request
- Refundable, Changeable, Flexible.
- Eurail Passes, I.D. Cards, Tours
- Call or Write for Free Brochure.

914 Westwood Bl. 7202 Melrose Av.  
L.A., CA 90024 L.A., CA 90046

1-800-777-0112 (L.A.)  
1-213-824-1574 (Westwood)  
1-213-934-8722 (Melrose)

Worldwide **STA**  
STATRAVEL  
120 OFFICES WORLDWIDE

# Research becoming reality.

handwriting recognition,  
integrated applications,  
object-oriented programming,  
RISC-based architecture,  
multimedia,  
distributed  
networking environment.

Maybe you thought you wouldn't find much personal challenge in personal computing. Think again. As we move from 10 MIPS to 50-100 MIPS, we will incorporate new technology that delivers a compelling benefit using that power. Like a graphical user interface that can search large disks and distributed networks to truly put information at your fingertips. Like an object-oriented application framework that lets you integrate different types of applications and information to create rich, compound documents. Like a symmetric, multiprocessing operating system that lets us deliver the power of advanced personal computing on many platforms.

Career Day  
Feb. 14, 1991  
On-campus Interviews  
for Full-time and  
Summer positions  
Feb. 15, 1991  
See your Career Center  
for details

Make research a reality with Microsoft. We are looking for Software Design Engineers and Program Managers. If you are pursuing a BA/BS, MS or PhD degree in Computer Science, Applied Math, Applied Physics, Electrical Engineering or related technical discipline with programming experience, design skills and/or exposure to managing projects, then we want to

talk with you. Relocation is available for both summer and full-time positions. Also, plan to see us at Career Day, February 14, in the Winette Center.

We are an equal opportunity employer and are working toward a more culturally diverse workplace.

**Microsoft**<sup>®</sup>  
Making it all make sense™

## statements

DIRECTOR FOR  
ACADEMIC  
AFFAIRS

## Shane Sauby

Howdy, folks. I'm Shane Sauby and I'm running for Director of Academic Affairs. Now I'm sure you don't want to read some HUGE statement, so I'll keep it short.

The main job of the Director of Academic Affairs is the publication of the CLUE. I have four years of student publications experience, dating back to high school. I have very good relations with the Dean's office and the Registrar, both important to producing a thorough CLUE. Finally, I have very good organizational experience, having been a manager at my past jobs and working on organizing events both here at Caltech and elsewhere. (Also, if you were to look at my room, you would say I am very neat or very sick.)

Overall, I think I am well qualified for the job and hope that you vote for me next Monday at the elections. Thank you.

DIRECTOR FOR  
SOCIAL ACTIVITIES  
Ari Kaplan

For almost a year, I have been thinking of running for ASCIT Social Chairman. We are all aware of the social situation at Caltech, so I'll avoid talking about it now. I have talked with Aimee Smith, the previous Social person, and if you don't know, the position entails running the ASCIT formal, being a member of the BOD of ASCIT, bringing food to the meetings, and organizing events such as parties for the entire campus. Last year, there was a successful ASCIT party with two live Caltech bands.

I have helped throw several parties at Caltech, including a Hillel dance that attracted maybe 300 people, even people who left the party life at Santa Barbara or UCLA to come. If you don't know me, I am a junior in Lloyd House (Come by room 225 if you want to talk to me), so I have been around for many events that this year's freshman missed; such as, inter-house and the noon concerts. I am very familiar with the logistics of running things at Caltech (I'm on the Y Excomm, I know how to get security, locations, etc. . . for various events), and I am willing to make the commitment to at least try to have a few more things to do around campus in addition to your house's agendas.

## Derek Surka

One objective of any social activity is to provide relief from the stress of everyday life. Since there is no lack of stress at Caltech, there will always be a need for social activities. The Social Director of ASCIT has a very important role in that he is responsible for organizing many of these social events and I am prepared to fulfill that role.

Organizing social activities is not new to me. For two years I was a member of the Students' Council Executive at my high school, including one year as President. I have organized many dances, concerts, formals, and numerous other social events. I have the experience necessary to successfully plan and organize the ASCIT Formal.

One of my goals as Social Director would be to get more students involved in both organizing and participating in ASCIT sponsored events. I will work closely with the Social Committee to design activities which can be enjoyed by all and to improve

publicity.

This will take up a lot of time, but that doesn't bother me. I have always given one hundred percent of myself in whatever I have done and that won't change now. On Monday, start getting involved and vote Derek Surka for ASCIT Social Director.

UPPERCLASS  
DIRECTOR-  
AT-LARGE

## Yu-Chien Kuo

As your Upperclassman Director at Large, I am willing to work hard to uphold my responsibilities and make sure everything is running smoothly. One of my responsibilities will be the ASCIT van. I am easily accessible, so getting it should not present a problem. I am also open to your problems and complaints, as I will also be a member of the Board of Directors. I take my responsibilities seriously, so remember to vote on Monday, and thank you for your support.

## Dave Ross

I'm running for Van Man. I'm qualified for the job because I get shit done. If you know me, then I think you would agree. If you don't know me, ask someone who does. They'll probably tell you the same thing: I get shit done.

FRESHMAN  
DIRECTOR-  
AT-LARGE

## Won Bang

Hi! My name is Won B. Bang and I am running for Frosh Director at large. For those of you not familiar with this position, the Frosh Director is in charge of the Undergraduate Research Opportunities Handbook and any other tasks the other ASCIT officers do not feel like doing. Being a frosh, I obviously do not know much. However, I am determined and eager to learn. I feel confident that with your support, I can carry out the duties of the Frosh Director. Although you may not be voting for me next Monday, I urge you to vote in this election because you all can make a difference.

## Bevan Bennett

Yo. My name is Bevan Bennett, and I want to be your Frosh Director at Large. Maybe you know me, maybe you don't know me, maybe you have no clue who I am and don't really care what a frosh director at large is anyway. Strike a blow against the growing forces of apathy and vote for me (even if you don't care). Trust me, I know what I'm doing. . .

## Jill Bush

My name is Jill Bush and I am running for the ASCIT position of Freshman Director at Large. The only specific responsibility of the Frosh Director is to publish the Undergraduate Research Opportunities Handbook. Other than that the BOD can give the Frosh Director any number of various tasks which I am ready and willing to take on.

The reason I want to hold this office is to see how our student government is run and to represent the rest of my class on the Board of Directors. I will be available to listen to any suggestions you have for the ASCIT BOD and I will work hard to do my duties as a board member.

So, come out and vote. Remember by name, Jill Bush,

when you fill out that ballot. Thanks for your support!

ATHLETIC  
MANAGER

## Steve Harkness

Greetings and salutations! The name is Steve Harkness and I'm running for reelection to the office of Ath Man. In the past the Ath Man was basically just a guy you saw for letterman jackets or letters. That made this one damn lonely job. So I spent my days dreaming up neat stuff to do that would make this position useful. And now, I'm proud to say, this office rocks. The most major change is the hot new Resolution VIII for athletic awards.

It provides ASCIT subsidies for first year lettermen (you get a big discount sooner!), awards excellent gold pins and chenille patches to more people for more accomplishments so your can show off your studyness, and does away with needless duplication in awards (some people have so many T's that they use them as potholders).

It saves precious bucks while killing the "congrats, (athlete's name here). you've earned the plain old T, come'n get it" type presentations and awards of the past. Other projects include clearing funding for awards that coaches have been footing the bill for, putting some teeth in the fines for referee no shows, and documenting everything so that when I move on the next guy doesn't cry himself to sleep over the mess I've left behind. And, of course, I sell jackets like a madman.

What could possibly be next you ask? Well, I've heard from coaches and noticed myself that the IH and Disco competition rules could use some updating. I'll also be trying to generate interest in students for the position of team

manager. With luck you'll start getting your letters and jackets at the award dinner and not three months later. And how about a little promotion and publicity for sporting events? Award dinners for some more club sports? Who knows what else I'll think up? But I need your help to do it. So get out there and vote or I'll break your legs.

## Jeff Pasquino

In the first months since I've been here at Caltech, I have been able to meet many members of the undergraduate community. I have also been able to establish contacts with both ASCIT and the Athletic Faculty. As a member of both the baseball team and the Fleming House Ath team, I know many of the undergrads who participate in sports. I have met many members of ASCIT and attended meetings in the past, giving me a familiarity with out student government. I think that knowing the many people on all sides of student government will help me to get things done as the ASCIT athletic director.

ACTIVITIES  
CHAIRMAN

## Joe, Fru, etc.

Hey, here's the deal.

Last year, there were three things you could do on a Friday night:

- 1) You could drink
- 2) You could go see the ASCIT movies
- 3) You could drink at the ASCIT movies.

Well, regardless of what DAPAC says, that may or may not have changed. In either case, we're running again.

We've been busting our butts for you, so let us continue, or run your own damn team. (P.S. It's too late for that. . . so. . .) Vote for us.

## BOC SECRETARY

## Karin Johnson

The Honor System plays an important role in the community each and every day. It gives each of us freedoms and choices that under a different system would be denied to us. In return we have the responsibility to uphold the system. The Secretary of the Board of Control must devote an enormous amount of time and energy to ensure that this system will be preserved for future students.

This past year I have experienced the workings of the Board first hand, as a Representative at Large. Representative at Large is an important position, in that it carries the responsibility to represent the campus as a whole, rather than a small segment of the community. I feel that my experiences with the Board have given me the understanding of the Honor System that I need to perform the role of the Secretary.

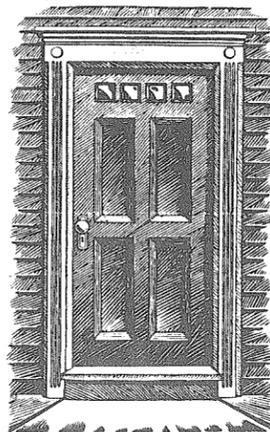
The Secretary has many important duties. She must strengthen the sense of understanding of, responsibility for, and commitment to the Honor System throughout the community. The Secretary must investigate cases of possible Honor System violations and take good records of the investigation. She must also be informed of other student issues and on how the students view them, especially concerning their impact on the Honor System.

I have maintained a policy of open-mindedness in my work on the Board, and I will maintain this position as the Secretary. I am confident that I am able to fulfill the duties of Board of Control Secretary, and I ask for your support.

LATE STATEMENTS  
ON PAGE 11

## CALTECH CAREER DAY

Thursday, February 14  
11:00 a.m. - 3:00 p.m.  
Winnett Lounge



Come talk to company recruiters representing a wide range of industries.

Gather information about careers, summer employment, and career opportunities.

For more information:  
Career Development Center  
08 Parsons-Gates  
x6361

# A Civilized World?

by Antonio Rangel

Since Operation Desert Storm started, the western world has been divided by an ideological dichotomy. Two historically antagonistic groups—those closer to Machiavelli's ideas and those who deny war under any circumstances—have started a second war front in which debate replaces battle and opinions replace weapons.

Although I share some opinions of both groups, I feel that their arguments do not contain the necessary global point of view. Therefore, I have decided to write these comments in the hope that some of the readers will find that they belong, like I do, to a third group of opinion, which I will refer to as the third group in order to avoid the prejudices that labels often attract.

I will not begin the essay listing the ideas that I share with the first two groups, rather, I will try to express the arguments that define the third group as a separate entity. I am sure that some will find that this last option describes better than the other two their feelings and thought about what is going on in this war and about what should be going on.

First of all, was there another option to war? Did President Bush, as head of the multinational coalition, select the smartest course of action? Were there other feasible choices beside Desert Storm? To answer these questions we must judge objectively the contingencies of the last six months. This objectivity implies understanding the way the western system works, by system I mean the set of social and economic entities, rules and beliefs over which our society is built.

The reasons and options that our government had, have been broadcast daily during the last few weeks. Either we attacked in order to create a western homogeneity, or the threat of a future nuclear war and the economical chaos would shake the style of life that we define as secure and civilized.

Even if I do not believe that it was justice or freedom that caused our democracies to go to war, as a citizen of the western coalition I deeply pray for a fast and total victory over Saddam's forces. Fast, because the larger the war, the larger the cost in casualties and scarce resources for both sides (with the cost of one day of war, you can pay the cost of a Caltech undergraduate education for ten thousand students. What investment could contribute more to the progress of civilization, sciences and human welfare?). Total, because a half victory will be just a

hypocritical period of peace between two wars; the next probable threat would be much more dangerous. Nevertheless, it has to be said, that I hope for this victory because once the battle starts there is no point of return to peace until one of the contenders is completely eliminated; again, half victory means no victory.

From this perspective, it is clear that today, war is the only way to ensure equilibrium and peace in our system. But from this conclusion, the following questions arise: Is today's man free to choose his course of action; free to decide what is better for him and for mankind; free to build the future that he thinks it should be; free to avoid situations in which he himself is threatened, i.e. war; free to share his knowledge and his wealth with the rest of the community without destabilizing the present order?

The answer is that today he is not free; this war is living proof. For us, the western world, it was a choice between killing and suffering. Although every man fighting in this country would probably prefer to be working with Iraq towards a new world order instead of destroying them for the same reason, they have no choice, some of these heroes will have to die to preserve the quality of life of other men.

I cannot say that a system and a society that have no choice between war and peace are completely civilized or completely developed. Our democracies have liberated men from dictatorial systems and the market organizations have largely increased the quality of life. However, every year millions die of hunger and although we elect our governments, the access to decisions is in the hands of a few powerful groups; it is impossible for the man in the street to change the way it is. When even the most powerful man in the world has no means of avoiding massive destruction, it is not illogical to conclude that the system is out of control.

This problem cannot be ignored or denied, every challenge that we face has its origin and its potential solution within the system that provides and regulates every need and every action of every man. It is not hard to visualize the mortal crash that results from a car running without a driver. If you were in this car, would you try to take control and drive safely or would you sit and pray for a sure death? I have no doubt that you will not let the car crash because you will die in it. In the same way the machine that coordinates this world seems



to be running against our best interests since we have to kill instead of feeding.

There is an analogy in medicine that can shed some light on the analysis of the situation. Once a medical team discovers a patient attacked by a new virus, i.e. AIDS, they don't waste time arguing if they should act or if they should not, because if they did, the patient would die in the process, and with him the reason for the discussion. The team will immediately face the problem of taking care of the patient, but more important, they will look for the origin of the sickness in order to prevent others from getting infected. You must attack before the problem grows when you are able to nullify it, because once it has started, there will be a bloody fight, and even if you win, you cannot avoid paying the price! The analogy speaks for itself.

A conscious search in your heart and in your mind for potential social improvements is the only way to start setting a new world order. But this task requires a process of reflection on our world and the understanding that we have not reached a state of harmony yet.

Either we move together towards a system closer to a Utopia or we accept the deadly consequences. If you feel that I am exaggerating, think about the nuclear warheads, about the ozone hole, about global warming, about overpopulation, about the homeless, about the recession, about Ethiopia or Nicaragua, about... We must face these problems, there is no place to hide.

It is an accepted theory that the man who wants to change the world must change himself first. This offers a practical way of living in such challenging times. A man that thinks deeply about his situation before building opinions, that raises his voice and his action whenever he feels injustice prevailing. A MAN THAT LIVES THE WAY HE THINKS, will truly develop himself and the world with him.

There is no reason to avoid roads to a better world, a world closer to Utopias, perhaps a world like that could be heaven on earth, the heaven of a human race.

Antonio Rangel is a sophomore living in Dabney House.

## Response to Bush's Letter

To President Bush

Mr. President, I am writing to tell you how appalled I am by your letter distributed to college campuses last month (printed in the Jan. 25, California Tech). I am opposed to your action in the Middle East, but the intent of this letter is not to argue the injustice of your war. I wish to take issue with one simple thing - the use of the name and spirit of Amnesty International to support United States aggression against Iraq.

Amnesty International is a non-violent, apolitical human rights advocate. They quickly responded to Iraqi human rights abuses with the report you cited in your letter. However, the last action Amnesty wanted pursued to correct those injustices was the use of violent tactics.

Clearly, a group which opposes the use of the death penalty to punish an individual crime of aggression would never endorse the use of the death penalty to punish an entire nation of people for international crimes of aggression.

The research Amnesty undertakes is intended to educate and inform the people of the world of injustices everywhere. It is not meant to be twisted into justification for massive use of destructive force. Amnesty's approach is much more constructive and peaceful. They endorse and foster one-on-one communication (i.e. letters to world leaders) to display awareness and disagreement with another's abusive actions. Perhaps, had you pursued a true attempt at open dialogue in this crisis, the world would have witnessed a new manner of global conflict resolution.

If you are truly concerned with human rights, you should closely investigate the actions of U.S. troops during the 1989 invasion of Panama. Amnesty International printed reports of our action in Panama, describing serious abuses similar to those you abhor from the Iraqi military.

Mr. Bush, search your own soul before you attempt to invoke the power of fire and brimstone to preach to others.

Sincerely,  
Peter A. Rogan,  
Lloyd House

### Peace March on Rand Corp.

This Saturday, February 9, there will be a Peace March on the Rand Corporation, a military think tank. It will begin at the Santa Monica Pier at 11am and end, of course, at the Rand HQ. If you are interested in carpooling down to Santa Monica, meet on the West Lawn of the Beckman Institute at 10am on Saturday. For more info please contact Pete Rogan at 578-9294 or Alex Ridgway at x6595.

# Recap of Baxter Gulf War Forum

by Ernie Prabhakar

Moderator Don Kevles, professor of Humanities, was pleased by the turnout of nearly two hundred people on Friday, January 25 at Ramo Auditorium. The thirteen-member panel represented a spectrum of views on the Gulf War.

The goal, as Dr. Kevles stated it, was not to protest, nor to endorse the war, but rather to engage the complex and tangled issues: involved in the war. Jim Hershberg, visiting professor of History, gave the historical context. He pointed out that history, like quantum physics, is very much dependant on how it is observed. He sketched out several different viewpoints concerning the war.

He pointed out that many (though not all) Arabs see this conflict as part of the millennia-long struggle between Islam and Christendom, and a pan-Arabic denial of the artificial borders

drawn by Western imperialists. He also claimed this was a defining moment in terms of U.S. foreign policy.

The isolationism that had guided U.S. policy, with a few exceptions, since George Washington, had been shattered by World War II to be replaced by the doctrine of Communist containment. Since the breakup of the Soviet hegemony in 1989, Bush has been seeking to build a New World Order of collective security, and this conflict provides an opportunity for him to play the new Winston Churchill and do just that.

In describing his own views of the process, Professor Hershberg said he felt somewhat torn. In light of past foreign policy, attempts to justify the action in terms of international law, human rights, and freedom were pure hypocrisy. Yet at the same time, he felt that the action was indeed justified. Punishing Hussein for aggression would

provide the best chance of long term peace in the region and set a good precedent for the post-Cold War era.

Next, Professor Alan Donagan of the Philosophy department described the historical theory of Just War, something George Bush has been very much trying to convince the U.S. public that he is waging. The concept of war as a sometimes necessary evil stands between the pacifist view that war is not merely bad, but the worst possible option, and the Machiavellian view of war as the legitimate continuation of foreign policy by other means. A just war means that both the ends and means of waging war are right. Since Bush has avoided bombing civilians and targeting Hussein, he can perhaps claim that his methods are legitimate.

Therefore, both those who supported and opposed the war focused on whether his goals were

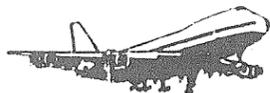
just (economic security, regional stability, etc.) and whether his policy would in fact achieve them. Thus, although some members of the panel were opposed to violence in any form, the debate was conducted in the context of whether this particular war was justified.

After those two opening comments, the other members of the panel shared their positions on the war. Four indicated they were opposed to the war, two indicated support, and three declined to comment. Professor Peter Fay of History said he believed the war was wrong, but that since the war has started, the best thing to do would be to finish it, with limited goals, as quickly as possible. After this, there was a time of comments and questioning from the audience, which allowed the various viewpoints to be developed further.

For a more complete writeup of the forum read the most recent GSC newsletter.

## LOWEST AIR FARES

Atlanta	\$298.00 RT
Chicago	\$258.00 RT
New York	\$330.00 RT
Phoenix	\$ 48.00 RT



Bangkok	\$796.00 RT
Bangladesh	\$1146.00 RT
India	\$1165.00 RT
London	\$488.00 RT
Paris	\$668.00 RT
Tokyo	\$635.00 RT

More lowest fares are available. Prices are subject to change.

Call (818) 794-0210

FREE WORLD TRAVEL



The women's tennis team in San Diego. Pictured from left to right are Monica Oei, Ingrid Rothenberg, Nancy Hua, Jill Bush, Fiona Lo, and Monica Silva.

## Tennis Road Trip

by Jill Bush

The women's tennis team, led by coach Karen Nilsen, had their first road trip of the season last weekend. Their first match was on Friday at Mt. San Jacinto College. The match was an overwhelming success, with win in singles by Nancy Hua, Ingrid Rothenberg, Jill Bush and a doubles win by the amazing duo of Monica Oei and Ingrid Rothenberg.

The entire Beaver team played well, despite the distracting and disabling odor from the nearby pig farms. After their victory, the team drove down to rest up for Saturday's big match.

After a good night's sleep, the team loaded up the Caltech van and cruised over to the Pt. Loma cam-

pus to play tennis on the beach. The Pt. Loma players were nothing less than Wimbledon-bound, and while enjoying the beautiful view of the ocean from the courts, the Caltech women were defeated 8-1.

Monica "I'll never play singles again as long as I live" Oei won her match in straight sets to pull of the biggest upset since the Cash/Lendl match of Wimbledon 1987. The team took her to celebrate at Seaport Village, an extravaganza of restaurants and shops. After painting the town red, well-shopped and well-fed, the team returned to Tech Saturday night. Next year the tour will continue—Fiona Lo takes the team Down Under for the Australian Open!

## Langdale

from page 1 according to these ratings.

This system provided a filter and made it easier to identify women and minorities. Though all the candidates have the academic ability, Langdale's goal is to find those students who care about people and will "walk across the street to help someone." The students chosen with this new process are very similar to the juniors and seniors chosen the old way. The only difference in the student body is a larger percentage of women. Though Langdale is leaving, his staff possesses many of the same ideals and will continue to search for the exceptional student.

Langdale is returning to Boston to be with his wife of 23 years. His wife came with him to Pasadena in the beginning and taught a couple of terms at Caltech. She then decided to return to the East. Though Langdale does not understand her position, he accepts it and is still "crazy about her." He considers himself a romantic and does not mind giving up what he considers to be one of the ten best admissions jobs in America.

As for future plans, Langdale has nothing specific in mind but just wants to earn a living. The prospect of continuing a career in admissions is questionable. He feels dissatisfaction for the current trends of "recruitment" and "marketing" in admissions. He does not want to trick anyone into coming here by sugar coating everything as some schools do. In his view, students intelligent enough to succeed here will know that Caltech is the place to come to.

Though admissions may not be the answer, Langdale is still very interested in a college, specifically publications. He would like to produce information pieces, not propaganda, and may bring his proposals to some eastern campuses. He is even toying with the idea of becoming a bicycle mechanic.

Langdale feels bad about leaving because he likes and admires the people so much. Students like the ones at Caltech are his hope for the future. They are the ones who

## Biathlon

from page 12

"I was waiting for all those dudes to catch me. But they never did!" Until the final lap of the bike course, that is, when cycling powerhouse John Pham made his presence known. Pham proved impressive as usual on the bike, out-splitting everybody else, as he hammered to the front to take the lead away from Campo.

Unfortunately for Pham, Campo used his fast transition experience to catapult himself to the lead, and the roommates started the second run together.

Up at the front of the race, Campo ran away from Pham with ease and cruised in for his first ever biathlon victory. Pham was relatively out of shape and fell victim

to the tough second run. In fact he lived up to his reputation as a hill walker by... guess what: walking up the entire hill at the halfway point. Ned Bowden was undoubtedly sensing Pham's weakness and set out on hot pursuit. But Pham prevailed and beat the Hairdo man by just nine seconds. "At least we kept the title in the family!" John said to Chris, obviously pleased with his second place performance. Apparently the Speedo Man is still to be feared despite being out of shape.

Dale Capewell couldn't quite catch Ned. But Capewell is definitely the man to watch in future races. What would have happened if he had not broken his biking cleat on the bike? Considering his studly running abilities, nobody knows. Another notable

performance was turned in by Zug as he mercilessly mowed down Mark Lyttle and Mark Vincent to take fifth.

As more and more competitors came in off the second run, thoughts turned to the next Homeboy event. John Pham, never at a loss of words, confronted Ned Bowden with the statement, "So Ned, have you given up all hope of beating me?"

"I'm gonna trash you next time! 9 seconds. John. 9 seconds!"

"But you didn't bike, Ned. Kro-was did all the biking for you."

"So what! When I get into biking shape I'm gonna be dumping on you! Hey John, wanna bet a haircut next time?!"

Pham's answer to Bowden's challenge: "Yeah."

## Hockey

from page 12

against UC Davis where the Beavers were in an overnight road trip in Stockton. Sources confirm that Stephens got a four minute major penalty for fighting and while being escorted into the penalty box he was making obscene hand gestures to the other team.

As a result of his excessive hand motions, the referee noticed aluminum foil under a taped portion of the top part of his hand and wrist. The officials untaped his hand and also found curved metal bars that snugly fit around his knuckles. It was determined by the officials that these bars effectively acted like brass knuckles and were there solely for the purpose of fighting. Stephens, through his French-Canadian translator and teammate Jacques Belanger, denied the allegation and said the bars were there to protect a sprained wrist. Nonetheless, Stephens was ejected from the game and suspended. This incident is currently being investigated by league officials.

The next two suspensions came from coach George Yates. Yates suspended Stephens for breaking curfew after Saturday night's game by sneaking out of his motel room to go to a party at a nearby bar. Allegedly, Stephens got thrown out be bouncers for starting fights. Later on that same night he returned to the bar and was arrested by police in Stockton for smashing windshields with his hockey stick in the parking lot. Stephens is scheduled to appear in court in late March.

Facts on this incident have only recently come into light. Coach Yates did not want to release anything about this sensitive matter until all the facts were known. Yates also released a statement early Thursday morning apologizing for this incident and for any harm that it may have caused the Caltech community.

It was later confirmed by Yates that Kurt Stephens will play in next Wednesday's game against CSUN in Pasadena at 9:45 PM. No one knows what to expect out of Stephens. According to Czechoslovakian teammate Mij Nacor there is a lot of built up frustration in Stephens. Regardless of the events that may take place, Caltech is expected to win against CSUN by a large margin.

## Sam's Bridge Column

by Sam Dinkin

♠ AQ  
♥ KQJ  
♦ 3  
♣ J976532  
♠ JT985      ♥ 76432  
♥ 872      ♠ T96543  
♦ J542      ♦  
♣ T      ♣ 84  
♠ K  
♥ A  
♦ AKQT9876  
♣ AKQ  
Vul: Both

South	West	North	East
2♣	Pass	3♣	Pass
4♦	Pass	4♣	Pass
7NT	Pass	I Pass*	Pass
* Always say "Pass," never "I Pass"			
Opening lead: J♣			

This hand came up at the Pasadena Regional held at the Convention Center every July. I spent a session with an attractive bridge partner, and she and I were as attentive to each other as our opponents were to the game. All I can say about the bidding is that the passes we were making were in earnest. Sitting West, our extensive foot signnalling gave me no idea what to lead, so I played the jack of spades.

Before, the opening lead is faced, South starts with 15 top tricks. After the spade lead, however, transportation to the dummy is cut and the number of top tricks has dropped off tremendously. Even without the opponents mouthing sweet nothings to each other, there is no way to get to the dummy after taking the ace, king and queen of clubs.

There is still no problem if the diamonds break, but since when have the cards been friendly? My partner and I were certainly doing our best to be friendly. After thinking for a while, South laughs and calls for the ace of spades, crashing his king.

Next South calls for the queen of spades, and unblocks his ace of hearts. So far so good, thinks South and takes a deep breath, oblivious to the enamored couple defending. The king of hearts is played from the dummy. It does South no good to get three measly diamond pitches. Instead South unblocks the ace of clubs! On the queen of hearts goes the king of clubs, and the

queen of clubs falls on the jack of hearts. My partners wide eyes do not blink when these royalty come down on top of each other.

The clubs are then unblocked and ready for action. The jack of clubs drops the ten and the nine of clubs drops the eight. The contract is claimed and the hands are faced (her face, those hands...) Surprise, surprise, the diamonds were in fact 4-0 to the left. The quadruple unblock was necessary after all. My lady and I were going to get at least one bottom.

South has just worked through an extreme example of the unblock. Heres another situation:

North		East	
♣ A953		♣ K62	
West	South		East
♣ JT87	♣ Q4		

If South has no entries to the board, on West's lead of the knave to the king, South must unblock the queen in order to finesse the nine to take two tricks in this suit.

An often overlooked unblock is the internal blockage:

North	North
♦ AKQ43	♠ A7642
or	
South	South
♦ T876	♠ KQ98

If one defender holds Jxx, there is no way to run five tricks in these suits with no side entry to dummy. If there is some other suit available to pitch the pesky spare card, this would be a fine idea.

I had a related hand come up playing at the San Marino Womens Club on Huntington Boulevard and Virginia Road. The club runs a good game every Wednesday night at 7:30 PM.

West	East
♥ Q9842	♥ AKJ

I held the East hand. This is a more basic kind of unblocking play. In order for our side to run the hearts on defense, I have to play off the king and ace of hearts so my partner can take the rest. I carefully started the suit with the ace, followed by the king so that partner would get the idea that I only had three hearts, but partner lost track of the ten of hearts and he refused to overtake my jack. Do not be phased if your brilliant plays fail to work out. No one remembers the ones that get away for very long.

## Y NEWS

Yiii Doggy Doggy! Here we go on another train ride away from this doomed institute. To start things off, we have tickets to the Festival of Animation for the Saturday, 9:30 PM showing. Stop by and get them. All the cool people get them. On the other side of our tracks we have tix to go see the L.A. Philharmonic this Sunday at 8:00 PM for \$5.00. They're playing some good Mozart pieces.

If you were a Y-hiker, join us for a planning meeting this Wednesday, the 13th, at 4:00 PM in the Y Lounge. This Thursday, go hear the great lecture on the women in science. It's happening at 4:00 PM in Baxter.

Another thing you could do on Thursday is learn how to Ballroom Dance. That's at 7:00 PM in Winnett Lounge. And for our last stop this upcoming week, stop by and see the First Annual Tribute to African-American History through the Arts. That's next Friday and Saturday, 11:00 AM to 6:00 PM in Dabney Lounge.

**HAPPY HOUR at the dentist?**



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

New Patient HAPPY HOUR SPECIAL (Tues. & Thurs., 2-6 p.m.)  
Cleaning/Exam \$18.00 (reg. \$70.00) expires June 1991

**The Red Door Cafe**

Starting Feb. 5! New Evening Hours:

Tues-Wed	9:00-11:00
Thurs-Fri	9:00-12:00

**Look for Half-price deals!**  
Come check us out!

Coffee
Art

Baked Goods
Live Music

# Bellcore

Bell Communications Research

*“And in today  
already walks  
tomorrow.”*

Samuel Taylor Coleridge

Bell Communications Research (Bellcore) provides the research, engineering, and technical support necessary to keep its owner/clients, the Bell operating companies, on the leading edge.

With over 8,000 highly talented employees on staff, we are one of the largest research consortiums in the world and the source of significant breakthroughs in a wide variety of technical areas.

We have openings at our northern and central New Jersey facilities for creative thinkers who are interested in making a significant contribution in:

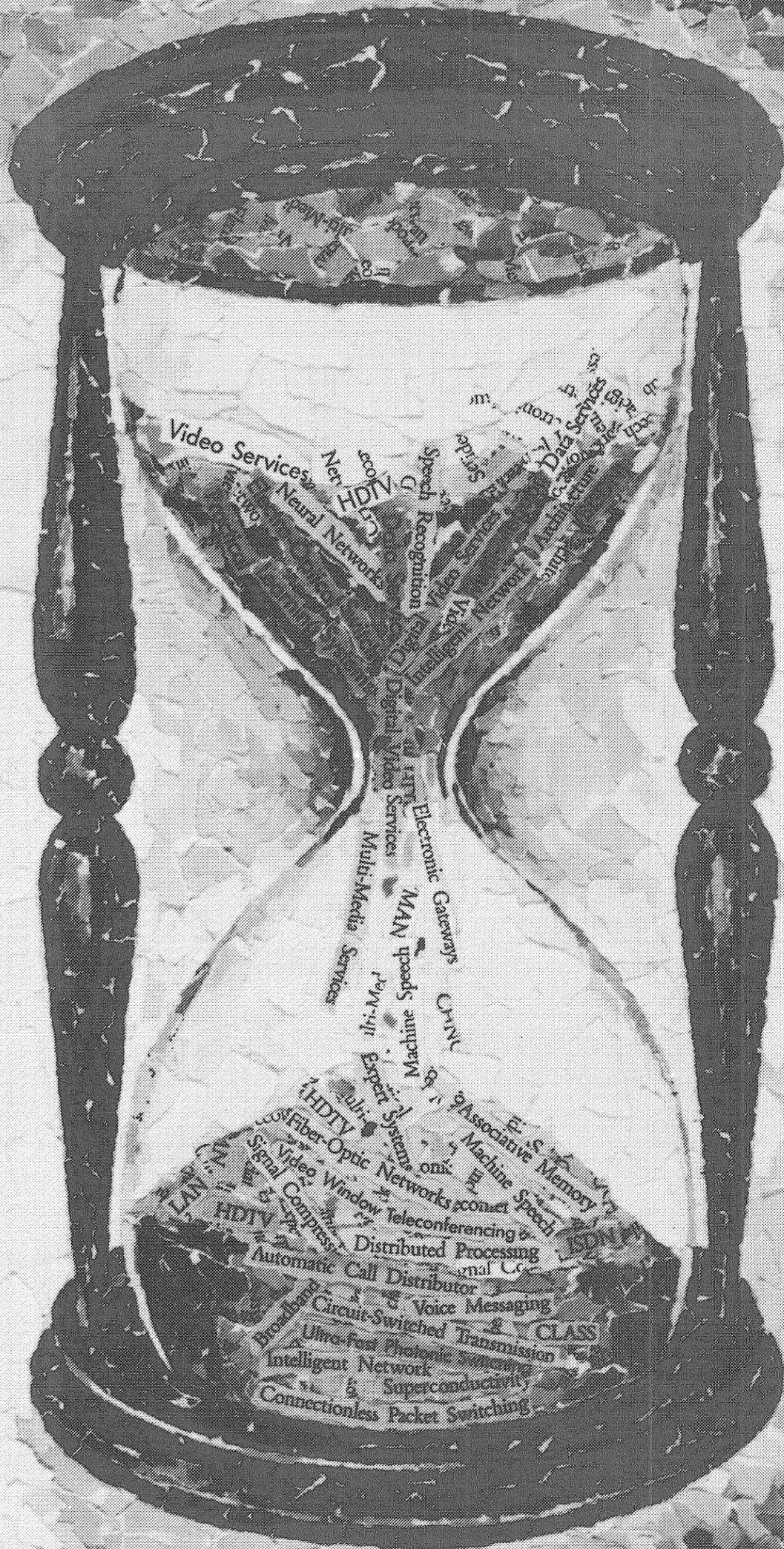
- Software Design and Development
- Applied Research
- Network Information Systems
- Systems Engineering
- Network Planning

A BS, MS or PhD degree in Computer Science, Computer or Electrical Engineering is a requirement. We're also looking for individuals with PhD degrees in Mathematics, Statistics, Operations Research, Physics or Human Factors Engineering.

Sign up at the Career Planning & Placement Center to meet our recruiters on campus, February 18.

Manager, Technical Employment  
Bell Communications Research  
Department 127/1906/91  
4C-130, CN 1300  
Piscataway, NJ 08854

An equal opportunity employer.



The Inside World

This Week's **Inside World** was written by:  
 Dabney: Susan Howard  
 Ricketts: Dan Smith

Blacker	12 0 0 0 0 0
Dabney	11 0 0 0 0 2
Fleming	13 0 0 0 0 0
Lloyd	26 1 1 1 0 3 6
Page	21 0 0 0 0 0
Ruddock	25 2 2 2 1 0 7
Ricketts	15 3 0 3 0 1 7

Lloyd

Meat Council TV  
 7:30pm FOX: Parker Lewis Can't Eat Meat. Parker and the school principal go head to head over the issue of high school vegetarians.  
 7:30pm PBS: Meat the Press. David Brinkley examines Iraqi farming atrocities.  
 Walter Cronkite makes a guest appearance espousing the advantages of bratwurst over polska kielbasa.  
 8:00pm ABC: MeatGyver. Meat takes out a Colombian drug factory using only a rump roast and a dozen eggs.  
 8:00pm CBS: The Wonder Meats. Puppy love turns sour when Winnie starts eating pork.  
 8:00pm NBC: China Meat. McMurphy is haunted by flashbacks of her Vietnam sweatbox internment during a Galloping Gourmet re-run about smoking bacon.  
 8:30pm FOX: Meat with Children. Al puts the moves on a beautiful butcher's wife; but soon finds himself under the cleaver.  
 9:00pm ABC: MeatySomething. Michael and Hope are shunned by their friends when they serve sausage with a delicate and fruity white wine. Gary tries to help the homeless by donating sides of beef to a mission, but his plan backfires when he is tormented by nightmares of killer cows.  
 10:00pm ABC: Twin Meats. Cooper and the Major invite Bob to a country down home barbeque. Audry gets a job at the butcher counter in Horne's department store.  
 10:30pm FOX: In Living Meat. Homey the Clown don't play with his meat.  
 11:00pm NBC: 60 Meats. Andy Rooney takes a tongue-in-cheek look at Geneva Beef Convention violations taking place today in your back yard. Also, is your family protected from the ravages of veal segregation?  
 12:30am NBC: David Lettermeat. Dave's guests include Super Dave Osborne doing his famous Wall of Meat challenge. Also, Shirley McClaine tells of her past life as a hamhock. Musical guests are the Beef Poles.

-The Meat Council

The Inside World

Dabney

Great moral issue of the week number one: Should someone write an inside world because her mother told her to?  
 Anyway, first the news from 290, since no one ever comes her (well, you know what I mean). I think you all should know that this is the house of invincible physics majors. So if you ever do come to visit, look around carefully when you walk into a room. There may be a physics major sitting in a chair or lying in a bed, and not knowing these things could cause you to be startled or bewildered. (And no, it's not just Maneesh. Jeremy and Chris do it too; it's a very serious problem.)

Now a special note to the RAs (who still haven't seen the off campus alleys,) if you don't come to visit 290 soon, we may be forced to take extreme measures to get your attention (and break up the boredom around here.) Better to take your chances now, despite the plague of invisible physics majors. Also, I think you should investigate 360 on your way out. Did you notice that half of that house ran for treasure and one of them won? Who knows but they might abscond with the house money (and the social veep) to Transylvania or somewhere.

Finally, for those of you who like less obscure house news and think I should comment on the recent house elections, I though Dave and Laurent ended things on a very existentially positive note and made a real score for Frosh- Senior bonding. Speaking of which, what exactly is going on with Jamie and Pete? And is Jamie upset about Dave doing Pete's laundry? (Remember something about "Jamie won't let anyone else wash or touch Pete" at elections? - Ask Laurent if you don't.) Hmm, notice the interconnections involving Jamie, Pete, Laurent, and Dave in this paragraph? Maybe there's something about this foursome we all ought to know.

So keep your eyes open, for Tech mirrors life and conspiracies abound. Good luck to the new officers of Dabney Corp.; remember the noodle war and keep your eyes on the stocks.

-money-

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 Marin Educational Foundation is offering Marin Educational Scholarships for undergraduate study for the 1991-92 academic year. Applicants must be Marin County residents and must be complete a FAF or SAAC. Deadline to apply is March 2, 1991.

More Scholarships

The General Motors Corporation is offering one new scholarship to a student interested in the automotive industry who is a second term sophomore in Chemistry and/or Chemical Engineering. The GM Scholarship includes full tuition, a book allowance, and a paid summer internship. The award is for the Junior year and is renewable for the Senior year. Financial need is NOT a consideration in the selection process. Applicants must be U.S. citizens or permanent residents. Applications are available in the Financial Aid Office and the deadline is March 1, 1991.

The Energy Exchange of Greater Los Angeles will award two scholarships of \$2,500 each to students entering the junior or senior year of college in September, 1991. Their major must be in engineering, economics or computer science with a GPA of 3.0 both overall and within their major. Applicants must be U.S. citizens and demonstrate excellent oral and written communications skills. Financial need is NOT a requirement. Completed applications are due in the Financial Aid Office by February 22, 1991.

Additional information available at the Financial Aid Office, 515 S. Wilson Ave.

Career Development News

The 16th Annual Publishing Institute provides a concentrated four-week, full-time course devoting itself to book publishing. The lectures are given by leading experts from all areas of publishing. Program runs July 15-August 9, 1991. Deadline for applications is April 1.

IBM Corporation in Manassas, Virginia has college coop and intern positions available for the May/June through December and mid-August through December 1991 work phases. They do not have summer-only positions. They're looking for EE, CS, ME & ChE students. U.S. Citizenship is required.

For information on these items, please stop by the Career Development Center, 08 Parsons-Gates.

Be In The Top Ten

Caltech juniors are invited to participate in Glamour magazine's 1991 Top Ten College Women Competition.

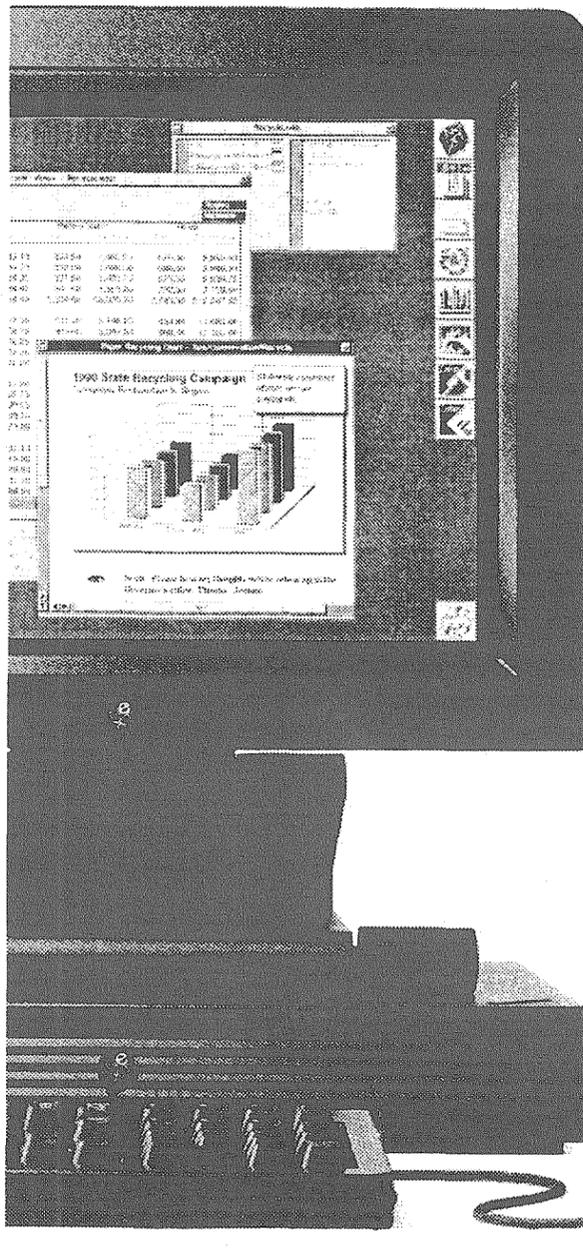
Glamour's prestigious competition honors college juniors of outstanding achievement. This year's winners will be selected from five distinctive categories: Creative arts/Communication/Humanities, Science and Technology/Health, Politics/International Relations/Business and Economics/Entrepreneurship, Public Service. [A special award should be offered for turning that punctuation into five categories.] Candidates will be judged on academic excellence, involvement in community or campus activities, and personal interests.

Ten winners will receive national recognition in Glamour's October 1991 issue and a cash prize, plus an all-expenses paid trip to New York City to meet with top professionals in their field.

Contact the Dean of Students Office for information. Deadline is February 15, 1991.

# WHY CHOOSE NeXT?

Before you decide on a personal computer, here are some of the important reasons why you should consider a NeXT:



**Performance:** NeXT workstations are among the fastest desktop computers available, delivering 15 MIPS of performance. That's faster than the fastest Macintosh or high-end PC and faster than most SUNs.

**Ease of Use:** The NeXT operating system is powerful, flexible and easy to use, combining the power of UNIX with a state-of-the-art graphical user interface. Display Postscript eliminates jagged images and type for any font, size or angle and lets you clearly see your work exactly as it will print.

**Breakthrough Software:** There are more than 100 powerful applications for NeXT computers with many more soon to come since the NeXTstep environment allows programmers to create powerful new applications faster than on any other system. That's why Lotus Development chose the NeXT computer to create Improv, their revolutionary new spreadsheet.

**Connectivity:** You can easily exchange files between your NeXT and Macintosh or DOS computers. You can even execute your favorite DOS programs inside the NeXT operating system.

**Price:** Just as amazing as the NeXT computer is its price. Students and faculty can buy a complete NeXTstation system (computer, monitor, keyboard, mouse, hard drive, bundled software including Mathematica) for \$3278, plus for a limited time we'll include Lotus Improv, a \$695 value, free. That's no misprint. \$3278

\$3278

Campus Computing Organization Jorgensen.



**A BETTER COMPUTER**

The NeXT logo is a registered trade mark, NeXT and NeXTstation are trademarks of NeXT Computer Inc. Display Postscript is a registered trademark of Adobe Systems Inc. Unix is a registered trademark of AT&T.

## The Inside World

Ricketts

## Satan and the 3 Pigs

Drip, drop, drip, drop came the rain down upon ground. A light drizzle rained down upon the courtyard. A single lighted window to be seen. It was the library. "Mr. Weaver do you have the answer to number 4?" Dan'l "Get real Paul its 5:00 a.m., this is 106; 106 sucks! Besides, this is a three beer problem and I've only had two. Hand me a cold one." Paul "Well, maybe Jason has a clue. Jason, Jason are you awake? He is sound asleep." A Vortex and dream music sequence later we enter the dream state of our beloved hero. Jason walks slowly along a cobblestone path. Up on the crest, he notices a large group of pigs on the hill. They are laughing, giggling, and having too much fun on a 106 night. As he approaches, the vague outline of a wolf swings steadily from the gallows. "Who's the stiff?" Jason said accostingly. The gruff, bearded pig slowly answered, "It is the evil wolf who tried to blow all of our houses down! He is no more and we are happy. Hahahaha" "Why did he do himself in?" said Jason as he felt two bumps on his own head. "We taunted him. He tried to eat us, but we outwitted him on every turn. He was a manic depressive and we pushed him over the edge," said the pig happily. Jason noticed that the pigs were rebuilding what the wolf destroyed. Nightfall. Jason stood motionless staring at the corpse of the poor wolf all night. Near dawn, Jason could not take it anymore; he was filled with rage. Not only were the pigs having too much fun, but they were disgustingly cute. Scratching his head for an idea he realized the bumps had turned into horns. Adorned in red, holding aloft his satanic trident, he started towards the unsuspecting swine. The pigs set aside this day for a "Hey, Peter, Paul, and Fred the Wolf is dead." festival. As they began to make preparations, Jason descended upon them. "Who are you," a pig asked arrogantly. "I am Satan, Lord of Darkness," said the red one. "What are you here for?" asked the domestics.

## The Inside World

*You may run, you may jump, you may even try to hide  
But I tell you this, Truly, I am here for no more than genocide.*

As soon as this was said by the beast incarnate, flame came from his hands. Nothing was left of the poor beast, but their hocks. The demon lord turned to the village, pointed his trident and decreed, "I am chock full of hate!!" Immediately the village was a charred wasteland. Some of the pigs had managed to escape and were trying for the hills. Satan took off in pursuit.

*You wail, whine, and complain that I kill without warning.*

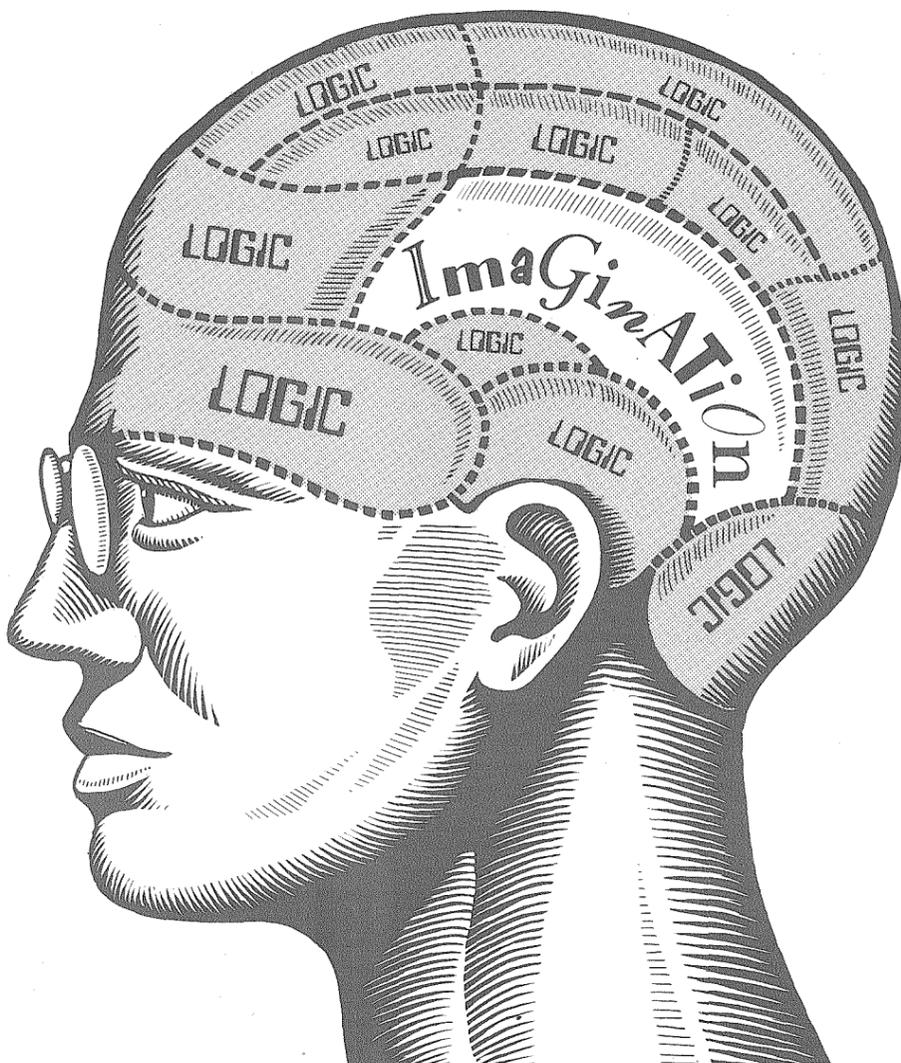
*I heed you not my little sausages, for I just love the smell of bacon in the morning.*

All of the sudden, from the charred remains stood a form. Adorned in black, the stranger lifted his familiar and said but one thing, "Touch my monkey."

*I'll touch your monkey, if that is your wish*

*But in touching him, he shall be a scrumptious dish.*

With those words the monkey was no more. The stranger started to shake violently and began to change. Jason noticed the stranger looke familiar. "Leopold is that you?" asked Jason. "Yes, that silly monkey possessed me and made me do unspeakable things." said the dark one. "I am glad you are back with us, dear friend" "So, am I Mister Satan." "Excuse me, Leopold, the pigs are escaping" "Allow me dear Satan. Die, die, die." The pigs seeing freedom at hand suddenly explode in a brilliant bouquet of colors. "Most impressive Leopold, are you a Jedi?" "You aren't possessed by a monkey without learning a few tricks. It is time for you to return to your 106. Since you have helped me I will help you. The answer is pi to the 5/4 power. Now return young physicist." Vortex once more. "Jason do you have a clue on number 4 or not" Mr. Surace answered, "pi to the 5/4 power." "You are right. Excellent. I guess Dan'l drank those beers for nothing," responded Paul. Dan'l "I never drink beers for nothing. I mean look at number 7, it is at least a six-pack I'm sure of it."



## 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.

Interested students are encouraged to send a

cover letter and resume to James-Keith Brown, J.P. Morgan & Co. Incorporated, 60 Wall Street, New York, NY 10260.

**Career Opportunities at Morgan**

# 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.

### Is War The Answer?

Teach-in on the Gulf Crisis at PCC: Tuesday 12th Feb, 12-4pm, Sexson Auditorium. Organized by the PCC Coalition for Peace in the Middle East. Co-sponsored by the Caltech Coalition Against the Gulf War. Contacts: Paul Hannosh, 578 7384, or David MacKay, mackay@hope.

### Y Hike Meeting

Wednesday, February 13, 4-5 pm in the Wes Hershey Memorial Lounge at the Y, there will be a meeting for those interested in planning routes for this year's Y Hike.

### Festival of Animation

The Y has tickets for Saturday, February 9, 9:30 pm at the State Theater on Colorado Blvd. in Pasadena. Tickets are \$5.50 (reg. \$6.50)

### L.A. Philharmonic Tickets

The Caltech Y has tickets for Sunday, February 10, 8:00 pm featuring André Previn, conductor, Young-Uzk Kim, violin and Heiichiro Ohyama, viola. The music of Mozart will include: Divertimento in D, K. 251, Sinfonia Concertante in E Flat for Violin and Viola, K. 364, and Symphony No. 39. Tickets are \$5 at the Y.

### Valentine's Folkdance Party

The International Folkdancers will be presenting our annual Valentine's Folkdance Party on Tuesday, February 12 in Dabney Hall Lounge. Dance instruction will take place starting at 7:30 pm. Famed folk fiddler Miamon Miller and friends will be playing live Balkan dance music starting at 9:00 pm. Everyone is invited. No experience necessary.

### Women's Glee Club in Concert

The Women's Glee Club will help celebrate International Women's Day on March 8 by presenting a special performance of Giovanni Luigi Pergolesi's "Stabat Mater". This 18th century masterpiece, composed during the last years of his life, is a staple of the Baroque repertoire for treble voices. Caltech alumna Laura Wilson Ravine, and chemistry grad student Jamie Schlessman, will be featured soloists. Reduced price tickets are available in advance from Women's Glee Club members. General admission is \$5. A reception hosted by the OWC will follow the 8:00 pm concert. Seating in Dabney Hall Lounge is limited, so get your tickets early.

### The Singing S.P.E.C.T.R.E.

Tomorrow (Saturday, 9 Feb.) the Caltech Science Fiction Club will present *The Singing Detective*. The series was produced in 1986 by the BBC and consists of six episodes (each 60-75 minutes in length). The series was written by Dennis Potter and stars Michael Gambon (from *The Cook, The Thief, His Wife and Her Lover*). We will begin at 1:00 pm in Rm. 35 of the SAC. Questions: E-mail spectre/tybalt or call Eric (564-8949). Be seeing you...

### B.O.C. Reps At Large Needed

Nominations are open for two Representatives at Large positions on the Board of Control. The new Representatives will be chosen on the basis of interviews conducted by Board members. The term as Representative at Large is one year, from the completion of interviews until mid-February, 1992. Signups are available until Tuesday, February 12, at 8:00 pm. Signup sheets are posted in each house and near the door of the MOSH's office.

### Dysfunctional Families

On Tuesday, February 12, in Winnett Clubroom 1, from noon to 1 pm, a lecture on "Understanding Dysfunctional Families" will be presented by Adele Fleming-Waltch, L.C.S.W. of the Staff and Faculty Consultation Center, and Aimee Ellicott, Ph.D., of the Student Consultation Program. They will examine how being raised in a family troubled by such problems as alcoholism, abuse, or other emotional difficulties affects us as adults and how to move beyond the past to a healthier future.

### Jam Room Seeks Musicians

The Jam Room is under new management; existing equipment is being repaired and new equipment is on the way. Whether you're a past member who got frustrated or a curious potential new member, come check out the changes. Contact Frank Filipianis, Manager at 564-1465 or Mail Code 149-58.

### Technical Consultant on TV

Interested in being a technical/science consultant for a TV series? Possible part-time/on-call position for undergraduate or graduate students. Requires broad general science interests and knowledge. Submit resume or come in for more information: Career Development Center, 08 Parsons-Gates, x6361

### Caltech Env. Task Force

The following materials can now be recycled at the refurbished recycling center: Cardboard, PET Plastic (soda bottles), HDPE Plastic (milk and water bottles), Aluminum cans, Glass, Newspaper, White Paper, Mixed Paper.

Colored paper, glossy paper and envelopes can now be recycled throughout the campus in the new dumpsters marked 'Mixed paper'.

Come and help bring about more changes for the better: The Environmental Task Force's next meeting is Wednesday February 13th, Noon, Clubroom 1, Winnett. Contact David MacKay, mackay@hope

### German Film Series

The fifth film in The Third Reich and Its Legacy Film Series will be *The Wannsee Conference* (German, 1987-Heinz Schirk). The two-hour film covers exactly two hours of the 1942 conference, held in Berlin's suburb of Wannsee. It was during that conference that the decision was taken on the "final solution"—the plan to put to death the remaining Jews in Nazi-occupied Europe. 7:30 pm, Baxter Lecture Hall, Monday, February 11, 1991, open to the Caltech community.

### The Rabbi & Dali Lama

Caltech Hillel presents... The Rabbi & The Dali Lama: Jewish and Tibetan Spirituality. Guest Rabbi Omer-man reports on his visit to India with the exiled Tibetan spiritual leader. Sunday, Feb. 10, 11 am, Y Lounge. The program includes a brunch gathering.

### Gender and Science

The Women in Science Focus Planning Group for the Caltech Centennial Celebration and The Caltech Y are pleased to present a stimulating lecture by Dr. Anne Fausto-Sterling on "Gender and Science" on Thursday, Feb. 14, 4:00 pm in Baxter Lecture Hall. Dr. Fausto-Sterling is Professor of Biology at Brown University and a *drosophila* (fruit fly) geneticist. She recently published a book entitled *The Myths of Gender*.

### SWE Engineering Competition

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

### International Folkdancing

The International Folkdancers meet in Dabney Hall Lounge every Tuesday evening all year round. Folkdance classes start at 7:30 pm each Tuesday. Open dancing starts at 9:00 pm. On Tuesday, February 26th, Greek dance instructor Joe Graziosi will be teaching, so put that on your calendar now! No experience is necessary. All are invited to attend.

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.

## Debi Tuttle

Hi, I'm Debi Tuttle and I'd like to be the next Director of Academic Affairs. "What," you might say, "does the Director of Academic Affairs do, and how does that benefit me?" Well, the most obvious thing the D.A.A. does is put out the C.L.U.E. In the past few years, the C.L.U.E. has been improving by leaps and bounds. I'd like to continue this upward trend by making the information in the C.L.U.E. more useful to students by providing pertinent and accurate grading information, by printing more than one review for important core classes, or by working in any other neat ideas that might come up.

"That's nice," you're probably thinking, "but why should I vote for you?" I am currently a house officer, secretary of the Women's Glee Club, and a member of the Curriculum Advisory Committee and the Freshman Admissions Committee. (I guess that's supposed to mean that other people think I'm a responsible person, so you should too.) But most of all, I'm really enthusiastic about helping fellow students. (That means I want to make your life easier.) I'd do the job to the best of my ability.

By now, you're probably thinking, "This statement is too long!" And you're right. So I'll wrap this up by saying that I'd appreciate your vote on Monday.

## Sonny Arcilla

Though I will not be serving as ASCIT President, I would still like to serve ASCIT and continue working on the projects I mentioned at the ASCIT Debate. Therefore I am running for ASCIT Treasurer. Perhaps it is all for the better, as I am probably more qualified for Treasurer anyway.

The Treasurer's job is loosely defined and includes such tasks as bookkeeping and budget maintenance. I have no doubt that I can carry out these tasks well as I have extensive experience at various levels. I am currently Treasurer of Caltech SEDS, Founder and Presi-

dent of the Caltech Entrepreneurship Association, a member of the Southern Calif. Entrepreneurship Academy, and have taken classes in business, accounting, and entrepreneurship. Most importantly, I have been the California Tech Business Manager for the past two years which has continuously exposed me to how ASCIT conducts business.

Most recently, I played a major part in installing and have been handling the new ASCIT payroll system. We also received official word this week that the ASCIT \$32,000 loan for the new ASCIT publications' desktop publishing system, a loan and system I have been negotiating for the past year and a half. But I hope to bring more to the office than experience and dedication...

One of my goals this year will be to increase club activity on campus. I feel that there are a number of student leaders willing to sponsor activities for students (something ASCIT is responsible for) and ASCIT should be assisting them as much as possible. A combined project I have been working in the past few months has been the Inter-Club Council and the Club Handbook. The Club Handbook will help club leaders understand how to obtain funding for and publicize events, how to schedule events, and much more. The Inter-Club Council will assist in the organization of inter-club events (i.e. the Club Fairs, International Day, etc.), facilitate communication between clubs and the administration, and hopefully make the club funding process more equitable.

As for the new desktop publishing system, I hope to make it available to club leaders and students, in addition to serving the needs and increasing the quality of the ASCIT publications. (Incidentally, the new system is also designed to make each of the publications more financially stable)

I hope that you will strongly consider voting for me for ASCIT Treasurer. You won't regret it.

## Gateway Travel

3452 E. Foothill Blvd., Ste. 428

(818) 577-2730

Caltech Approved

Professional Staff, lowest available fares, free service.

Tickets Delivered Free to You on Campus

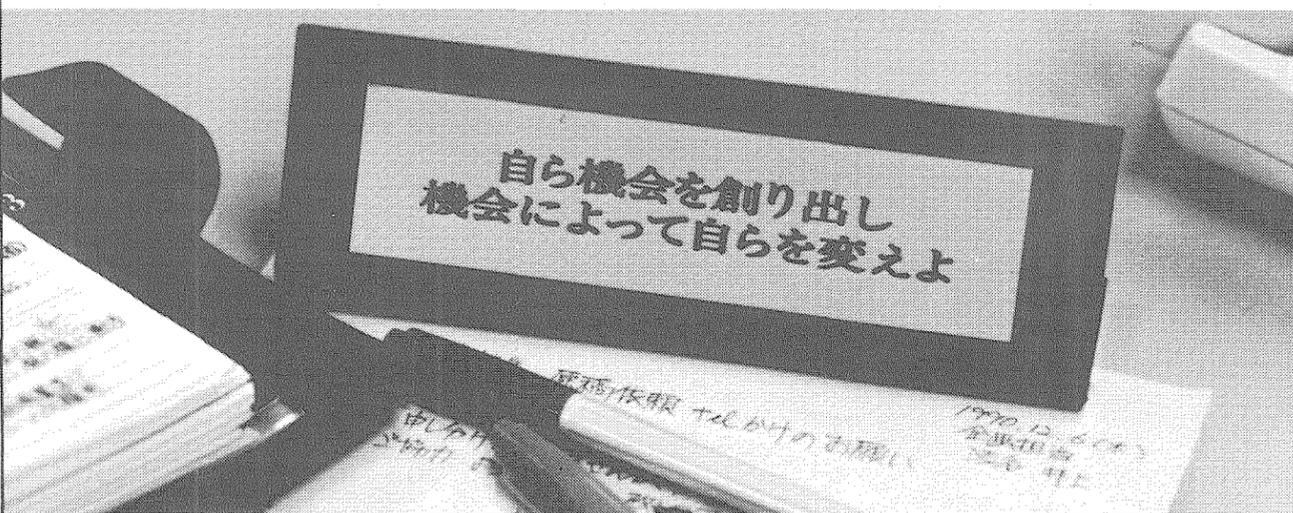
## LORENZO'S BARBER SHOP

Unisex Hairstyling Ask for Your Caltech Student Discount!

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

9 a.m. - 6 p.m., Monday - Saturday (818) 795-5443  
14 N. Mentor Avenue, Pasadena No Appointment Needed

Ask not what opportunity can do for you, but ask what you can do to create opportunity.

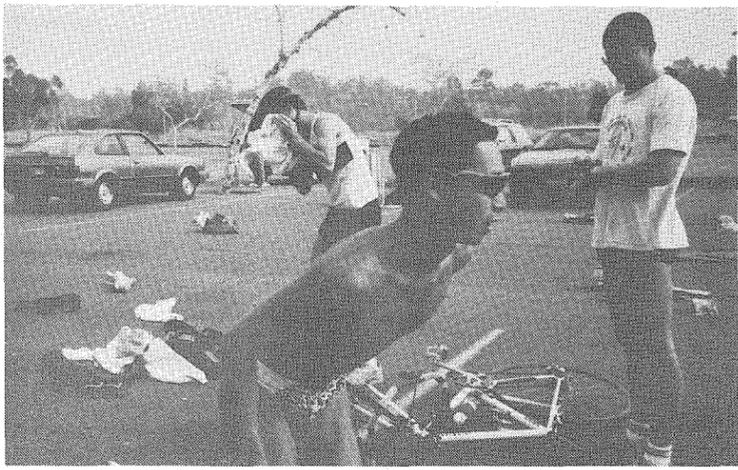


ピンときたら、電話をください。  
**1-800-288USA-1**

◆企業概要◆資本金▷27億2022万円 売上高▷2928億6100万円 事業内容▷情報誌事業、情報ネットワーク事業、人材開発事業  
◆募集要項◆募集職種▷法務、経理、企画営業、編集・制作、システムエンジニア 応募資格▷Bachelor's Degree以上全専攻(取得見込含む)待遇▷給与/学士20万2000円('90年4月実績初任基本給)昇給・賞与各年2回 休日休暇/年間117日 応募方法▷直接レジュメをお送りください。詳細は追って連絡いたします。送付先/RECRUIT U.S.A. 111 Pavonia Avenue, Jersey City, N.J. 07310 資料請求▷上記電話番号にお気軽に請求ください。(担当丸山)

◆詳しくはRECRUIT U.S.A.発行の『国際派のための就職情報』をご覧ください。

株式会社リクルート



John Pham starts the final run while Chris Campo snots all over his shirt before giving chase.

## Homeboy Biathlon

by Chris Campo and John Pham

"You don't understand the situation you're getting into," was Mark Lyttle's ominous pre-race statement to Ned Bowden in the second Homeboy biathlon held at the Rose Bowl last Saturday. Lyttle was one of the more outspoken competitors in the biggest field ever of 38 undergrads, grads, JPLers and others who showed up.

With pro biathlete Craig Reynolds and his buddies off training somewhere else, the race was on for first place instead of fifth. And unlike the first Homeboy event, this race featured a heated battle between relay competitors in addition to the standard individuals.

A group of four shot ahead early on the sandy, cross country style 2.2-mile run. Chris Campo, Aaron Matzner, Ned 'Hairo' Bowden and formidable grad student Dale Capewell rocketed through the first half mile at near five minute pace, but as the runners hit the hilly section of the course, the pace slowed. As always, Bowden died after going out too fast and was swallowed up by the hungry pursuing pack.

Campo, Matzner and Capewell kept their lead as they charged into the transition area. But Matzner,

the overwhelming prerace favorite, spent an eternity changing shoes. Only much later did we learn that he had twisted his ankle on the rocky portion of the run. Matzner was still around when the second pack of runners arrived. That pack included Andy Zug 'the Slug', reigning Caltech biathlon king John Pham, Bowden, JPL's best triathlete Mark Vincent and Mark Lyttle. Pham later recalled seeing a wide grin on Lyttle's face as he jumped on his bike and started putting as much ground as humanly possible between himself and his threats while everybody else was still groping for his cycling shoes and helmets. Only then did Lyttle's competitors know what they were up against: the zero-time transition.

It is still a mystery how or why Ned dented his bicycle rim the night before. Maybe he hugged his bike a little too tight. Anyways, John Krowas was Ned's relay partner, and he joined into a heated cycling duel.

Chris Campo, usually the slow man on the bike, proved that his legs were good for something more than running by turning in the second fastest bike split of the day.

continued on page 7

# Caltech Spanks Oxy

by Clint Dodd

Last Saturday the Oxy Tigers swam into a Caltech buzz-saw and left badly mauled. The Beaver women, missing two swimmer, upset Oxy. The men led until the final two events.

Taking a calculated risk, Coach Dodd passed up the two women's relays and put all his talent into individual events. By the fifth event, Caltech took the lead 39-30, but Oxy placed one-two in the diving and retook first 39-43.

It was then that Karen Ross took the valuable 9 points for first. She touched out two Oxy swimmers in the 100 yard freestyle 1:01.41 to 1:02.02 and 1:02.13. After one event of rest, the meet hinged upon her 500 yard freestyle.

Karen and the Oxy swimmer swam stroke for stroke when Ka-

ren began to slip ahead in the last 3 yards to touch her out for the victory (6:15.26 to 6:16.57). Other first places were turned in by Karin Johnson, 1000 free, 100 back; Monica Holboke, 50 free, 100 fly, 100 breaststroke; and Vania Lee in the 200 I.M. Final score Caltech 103, Oxy 81.

The Caltech men had the whole 17 man swim squad to confront and confuse the talented Oxy Tigers. The Beavers jumped all over the Tigers in the first half of the meet, and by the end of the seventh event took a commanding 69-44 lead. The only problem was Occidental boasted three All-American swimmers who began to chip away from the total.

By event 11 of 13, Caltech still held on to a narrow 94 to 85 lead,

but a lack of fast breaststrokers sealed the meet for Oxy. Final score Caltech 99, Oxy 116. "Everyone did a great job and improved their times. More importantly, Caltech touched out every Oxy swimmer in the close races," stated Coach Clinton Dodd.

First places were grabbed by Alan Corcoran, 1m and 3m diving; Keith Thompson 100 fly; and Roger Moore in the 1000 freestyle. Other strong swims were turned in by Mark Savellano in the 100 and 200 yard freestyle, Brian Shim 200 I.M. and 100 breaststroke, and Barry Stipe swimming the 200 I.M. and 200 yard backstroke.

This Saturday Caltech will host Whittier College and one of the top swim teams in the nation, Claremont. The meet will start at 11:00 am at the Braun Pool.

## Caltech Hockey Ices USC 7-1

by Jim Caron

Caltech handily beat USC on Monday night with a score of 7-1. The Beavers are nearing the end of their five game road trip with a home and home series against CSUN on Sunday night and returning to Pasadena on Wednesday night for a game at 9:45 pm. According to the Beavers' scouting report, CSUN is in a slump and Caltech should have no problems skating away with two easy wins.

In Monday night's game against USC, Caltech looked very strong and played like a first place team should. The main reason for Caltech's success is depth. The Beavers have three strong lines with the ability to put the puck in the net. Most of the teams the Beavers face have one, at most two, lines that can score goals. When any line from Caltech steps onto the ice, the deadly offense the opposing team hears and worries

about becomes reality.

The scoring against USC came from a wide range of players. One of the more exciting goals came from left wing Bob Lane. Lane caught a pass out of the air, from blue line to blue line, that was flipped up over the USC defenseman's head and then blasted a shot into the upper right corner of the net.

One of the more exciting players to watch on Monday night was defenseman Herman Cho. Cho is

doing a remarkable job balancing the defensive and offensive aspects of his position as he skated away with a goal and an assist. Adding to the scoring was player/coach George Yates as he laced 'em up and showed everyone he still has the touch around the net by scoring a goal low in the slot against USC.

Where has Kurt Stephens been for the past three games? Suspended- that's where. Stephens' initial suspension came in a game

continued on page 7

## Biathlon Results

NAME	RUN1	BIKE	RUN2	FINAL
1. Chris Campo	11:41	33:34	13:50	59:05
2. John Pham	12:52	32:16	15:16	1:00:24
3. Bowden/Krowas	12:50	34:10	13:33	1:00:33
4. Dale Capewell (M)	11:50	35:25	13:37	1:00:52
5. Andrew Zug	12:37	35:09	14:31	1:02:17
6. Mark Vincent	12:52	33:48	15:48	1:02:28
7. Mark Lyttle	13:07	34:39	14:55	1:02:41
8. Michaud/Slye	13:25	35:11	14:35	1:03:11
9. Roy Kakuda	13:58	34:47	16:02	1:04:47
10. Dave Hansen	13:53	36:59	16:28	1:07:20
11. McLaughlin/Hagen	14:51	36:37	16:34	1:08:02
12. John Doyle (M)	13:39	40:26	15:01	1:09:06
13. John Thompson	14:17	38:35	18:13	1:11:05
14. Steve Matousek	15:06	40:07	16:37	1:11:50
15. Joe Marino	16:26	35:14	20:28	1:11:58
16. Phil Lovalenti	16:12	38:18	17:30	1:12:00
17. Steve Synnott	15:27	40:31	17:26	1:13:24
18. Grady Campbell	15:35	42:31	17:12	1:15:18
19. Iris/Carolyn	17:37	39:12	19:10	1:15:59
20. Hinrich Eylers	15:01	41:40	19:38	1:16:19
21. Smith/Lin	18:30	38:30	19:44	1:16:44
22. Aaron Matzner	11:50	37:47	27:07	1:16:44
23. Wendy Jewsbury	17:30	40:36	19:37	1:17:43
24. Jeff Prisbey	17:12	39:43	20:55	1:17:50
25. Kevin Gilpin	16:30	40:25	22:50	1:19:45
26. Mike Allen	15:23	45:37	19:14	1:20:14
27. Alex Hansen	16:39	45:49	19:15	1:21:43
28. Dueck/Alton	19:09	40:13	22:32	1:21:54
29. Kevin Plaxco	19:10	43:38	24:33	1:27:21
30. Julio Gallud (M)	18:11	45:00	25:51	1:29:02
31. Earl Higa (M)	17:02	55:18	19:00	1:31:20
XX Scott Newell	14:25	34:55	---	DNF

(M) indicates mountain bike competitor

2.2 mile run-12.2 mile bike-2.3 mile run

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	Feb 1	Tennis (W)	Mt. San Jacinto	6-3
Sat.	Feb 2	Swimming	Occidental	Men 99-116, Women 103-81
Sat.	Feb 2	Tennis (W)	Pt. Loma Nazarene	1-8
Sat.	Feb 2	Baseball	PCBBC (2)	7-21, 4-5
Sat.	Feb 2	Tennis (M)	Southern Cal College	4-5
Sat.	Feb 2	Basketball	Claremont-Mudd	64-85
Mon.	Feb 4	Ice Hockey	USC	7-1
Mon.	Feb 4	Golf	Pomona-Pitzer and Occidental	Pomona-Pitzer 429, Oxy 429, Caltech 492
Wed.	Feb 6	Basketball	Pomona-Pitzer	37-73

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Sat.	Feb 9	9:00 am	Fencing	UCSD & USC	Cal State Long Beach
Sat.	Feb 9	11:00 am	Swimming	Claremont & Whittier	Caltech
Sat.	Feb 9	12 noon	Fencing	CSULB & Occidental	Cal State Long Beach
Sat.	Feb 9	12 noon	Baseball (2)	Pac. Coast Baptist Bible College	Caltech
Sat.	Feb 9	12 noon	Track	Caltech Invitational I	Caltech
Sat.	Feb 9	1:00 pm	Tennis (M)	Christ College	Christ College
Sat.	Feb 9	2:00 pm	Tennis (W)	Mount Saint Mary's College	Caltech
Sat.	Feb 9	5:30 pm	Basketball (JV)	Occidental	Occidental
Sat.	Feb 9	7:30 pm	Basketball (V)	Occidental	Occidental
Sun.	Feb 10	TBA	Ice Hockey	Cal State Northridge #2	Pickwick Ice
Mon.	Feb 11	1:00 pm	Golf	La Verne & Occidental	Caltech
Wed.	Feb 13	1:00 pm	Golf	Occidental	Cal Lutheran
Wed.	Feb 13	3:00 pm	Tennis (M)	Redlands	Redlands
Wed.	Feb 13	3:00 pm	Tennis (W)	Redlands	Caltech
Wed.	Feb 13	5:30 pm	Basketball (JV)	Whittier	Whittier
Wed.	Feb 13	7:30 pm	Basketball (V)	Whittier	Whittier
Wed.	Feb 13	9:45 pm	Ice Hockey	Cal State Northridge #2	Pasadena Ice Center
Sat.	Feb 16	10:00 am	Track	Pomona-Pitzer All Comers	Pomona-Pitzer
Sat.	Feb 16	11:00 am	Swimming	U.C. Riverside	Caltech
Sat.	Feb 16	12 noon	Baseball (2)	Barstow College	Barstow College
Sat.	Feb 16	2:00 pm	Tennis (M)	Occidental	Occidental
Sat.	Feb 16	2:00 pm	Tennis (W)	Occidental	Caltech
Sat.	Feb 16	5:30 pm	Basketball (JV)	La Verne	Caltech
Sat.	Feb 16	7:30 pm	Basketball (V)	La Verne	Caltech



### PARIAN TRAVEL

Caltech Officially Approved

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

Free service to you.

Airlines, Cruises, Tours, Hotels, Car Rentals.

Individual, Commercial, Groups.

(818) 577-8200

468 S. Sierra Madre Boulevard, Pasadena

### Rag Time on Green

RESALE CLOTHING for WOMEN

1136 E. Green St. • Pasadena (818) 796-9924

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

### THE CALIFORNIA TECH

40-58 SAC CALTECH

Pasadena, California 91125