

L.A. Violence Spreads to Pasadena



This banner was placed on the wall of Winnett Student Center by an employee of the Caltech Y Thursday morning. Thursday evening, the banner was seen burning; it is unknown who set fire to the banner. The banner was placed on the wall in response to Wednesday's acquittal of the officers indicted in the Rodney King beating of March 3, 1991.

Caltech to Host Industry Conference

Matt Metz

private industry. Expected to be present at the con-On May 29, 1992 Caltech hosts a ference are the Secretaries of En-

ernment funded research. Companies did not generally try to utilize technology that was available to their competitors. The government's concern was that a company might take exclusive rights to a piece of technology, and then leave it on the shelf." Finding that the products of its research were often "left on the shelf" when available to all the companies, the government is now working on policies for issuing some exclusive licensing to companies. Further encouragement which the government is trying to present to the private sector is access to gov-

ernment facilities for research. Developments made in university laboratories may also be given by

Violence Occuring in the Wake of the Controversial Acquittal of the Officers Indicted in King **Beating Approaches Caltech**

Linda Maepa

The beating of Rodney King on March 3, 1991 marked the beginning of widespread societal concern over the issue of police brutality. Between the hours of 9am and 5pm, many people put their day on hold as KTTV broadcast the entire six week trial. When the verdicts of not guilty were read near 3:15pm on April 29 shock, disbelief, and elation raced through separate segments of the Los Angeles community. The disgust and anger being expressed may, in part, be explained by the fact that so many watched the trial, yet reached a different verdict. The jury, composed of six men and six women, was entirely caucasian, except for a Hispanic woman and a Filipino man. Eight of the jury members had military backgrounds. There has been much speculation as to whether or not the change of venue to a mostly white, suburban community affected the trial's outcome.

The federal government has sped up its own investigation into the King beating. Because it is unconstitutional to try anyone for the same crime more than once, the federal investigation is focusing on possible civil rights violations by the LAPD. None of this legal activity, however, has served to lessen the nationwide protests, rioting, and looting that has greeted the news of the acquittals for Sgt. Stacey Koon, and Officers Powell, Wind and Briseno (see end of article for a listing of the charges in this case). In Los Angeles, for instance, over 1000 arson fires have been set and as of midnight Thursday, 24 people have been confirmed dead. Fire fighting units

from northern California are arriving to augment the overextended Los Angeles services. Additionally, a total of six thousand National Guards troops have been ordered into the L.A. area. UCLA, USC, and the LAUSD have suspended classes until further notice. The medical facilities associated with the universities are still functioning although all hospitals in affected areas request that patients call to confirm any appointments. Freeway and street closings are being extensively reported in the television and radio news, especially during the morning. It is important that non-essential travel to affected areas are kept to a minimum as a safety measure. Currently, the cities of Los Angeles, Pasadena, and San Francisco in addition to other areas are under a curfew which runs roughly from sunup to sundown. In Pasadena, alone, more than 10 businesses have been attacked including Eddie's Market, the gun and ammunitions store at Hill and Walnut, and The Gap near Lake and Del Mar. Fifty people have been arrested for looting.

Two students, Nirav Patel and Hui Jae Yoo, witnessed the event at the Gap on Lake Avenue Thursday afternoon. As they were making their way to the bank before going to The Gap, they observed a group of approximately 20 well-dressed African-American youths heading towards the mall area where The Gap is located. Hearing noises, they saw the youths running off, carrying clothes. When they reached the store, it was locked and employees of the Godiva chocolatier nearby explained what had happened at continued on page 3



conference forming part of the government's "National Technology Initiative." This is one in a series of cabinet-level meetings across the country addressing the sharing of government research with



ergy, Commerce, and Transportation, as well as the Administrator of NASA. The government is inviting large and small companies in the area, and representatives from universities.

Nick Nichols of the Caltech Industrial Relations Center states that the purpose of this initiative is for, "developing relationships between the government and the private sector." Previous policy, "disallowed exclusive licensing to anyone of developments made through govthe government to private sector companies.

Specific areas that will be addressed for this regional conference are biological, aerospace, and environmental technology. Some dilemmas are likely to arise from the new policy. JPL, as a government funded lab may become open to profit-making companies for use. The question of who receives exclusive licensing to certain government developments is also probable to come up.

against the rock face. The calls of his companions below, the cries of the birds above, that little "chrkck" noise your boot makes as it slips off of a half-inch foothold just before you fall; all this was lost to him as he clawed at the unforgiving surface. The menacing granite peak sneered in defiance at the climber.

This unique experience was the Caltech Y sponsored Outward Bound. Student's learned a lot continued on page 4



ZMAY 1, 1992 The Caltech Community Responds THE TECH

The acquittal of the four police officers, indicted in the Rodney G. King beating, and the violence which has followed have had grave impact, not only on the life of Los Angeles but on that of Caltech community as well. Though we often like to think of ourselves as being in a separate world, the events of the last few days have shown this myopia to be a dangerous selfdeception and that we must view ourselves as members of the greater community. Thursday afternoon, the Tech interviewed ten people about their thoughts in the aftermath of the acquital and the first night of violence in our troubled city. Opinions at Caltech, over the outcome of the trial are sharply divided, as the following statements reflect. This was what some of the members of the community had to say:

"These people got their chance in the system, and they lost, and now they're complaining about it . . . Here's a case where they get the chance and afterwards they complain. If they didn't get the chance, they would complain anyway. They're not happy with any outcome."

-Antonio Ramirez, So.

"I think it's very surprising that both Channel-7 news, Peter Jennings, and PBS news, Macneil-Lehrer, ... didn't mention that the jury had no blacks in it, which is obviously one of the main reasons for the anger. And I think that it is absolutely ridiculous that they found the men innocent, and it's not surprising, but pretty terrifying what's happening."

-Carlos Brody

"...Alot of people weren't given a lot of information on the trial. I think there was obviously unnecessary force used ... letter of the law needs to be looked at. I do think the public reaction to it was a little extreme. Senseless violence is not going to solve the problem . . . People need to start taking a is going on in our communities whether it be just And I always felt that it

Pasadena or all of L.A. or the whole country or world. People don't want to be responsible for their own actions . . . "

-Steven Roe, Technician, Astronomy Dept.

"My reaction to the outcome of the trial is [that it is] very disturbing, because I feel that it is . . . injustice . . . beating [on]. ... a human being like that. I can not see that the jurors did not look at that video and see what was going on, and I really feel sorry for the world today . . . for having our justice system look at something and say that these four men were not guilty . . . And its sad, because things are happening now that should not happen. I mean the burning of buildings, I mean the looting and the hurting each other. Innocent people should not have been."

-Sheila Walker, Caltech **Employment** Office

"I think that it's possible that there is more information that was released in the trial that the public doesn't know, and as a result I have faith that the jury probably made a valid decision [About the greater awareness of what riots]I'm kind of shocked because I'm from L.A.

was a big city and everything, but it was always a pretty safe place to be and live. And so I'm kind of surprised to see my hometown turn it to this kind of a mob scene. And especially surprised to see so much theft and so much violence that's just so random. It's shocking."

-Mike Nassir, Sr.

"I thought the verdict was expected, if you have an all white jury in an all white neighborhood in which a lot of retired police officers live . . . I would have expected some riots, but its sad that you could expect them. Its just the situation that exists in some parts of L.A....Its a terrible situation, but it was expected, and it all had to do with the fact that the L.A.P.D. was uncontrolled in the first place."

-Zack Berger, Fr.

"I would have expected some version of a guilty verdict for the officers., although possibly with a mild punishment. A thing that really struck me when I watched TV was the phrase "officers fulfilled their duties to the best opf their abilities." Is the legal definition of beating up a person different from what we've seen on the tape? Four men kicking one lying on the ground . . . of course, if this is what they call the best of their abilities, they are not guilty. But is this what we expected from the police-

cause I think that the evidence was pretty irrefutable that they indeed did use excessive force and, unfortunately, I think that the jurors, even though they claimed that they made a fair decision, may have goofed in the sense that they did not foresee what has come of this. And it has been pretty deadly. ... Based on what I've seen and what I've read about Watts, its consequences and its background . . . L.A. was simmering and it was close to the time that something like this was going to happen. And the King trial definitely provided the trigger . . . "

-Julian Chen, Jr.

"... I understand people being angry, but people are only going by the thirty seconds they've seen on the videotape. They have yet to hear the complete story; they need to do a little bit of research. They don't know what the jurors heard, and obviously, the jurors heard enough besides the videotape to indicate the officers acted maybe not appropriately but they didn't do anything illegal. I'm not saying the officers did do anything that was right. Just judging by the videotape it looked like there was undue violence, but it's not that it was unprovoked, we don't know that."

-Stuart Wagner, Jr.

"... I don't see how virtually any behavior by Rodney King himself could have been sufficient

"This is a real outrage, be- cause for the officers to do what they obviously didn't exactly deny doing on the videotape, and I guess it was the court's belief that King behaved in a way that scared them enough for that to be reasonable ... I haven't heard anything that I would construe as anything near reasonable cause for doing what they did to him . . . I'm not exactly surprised [about the riots], I don't really think that it's a good thing. but I don't particularly have any idea about what could have done to prevent it except starting ten or twenty years ago or whatever . . . there's obviously been enough tension for the last couple of decades that something this stupid . . . ,this blatantly discriminatory against blacks, ... builds enough tension that it's pretty much expected "

-Noam Bernstein, Sr.

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men?"

-Alex Zeyliger, So.

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LAEMMLE THEATRES FRIDAY NIGHT ASCIT MOVIE "INCREDIBLE AND EXCITING. I DON'T KNOW HOW THEY DID IT!" ESQUIRE COLORADO "THE PERFORMANCES ARE OUTSTANDING!" **Baxter Lecture Hall** "Two THUMBS UP!" 2670 E. Colorado Blvd. 2588 E. Colorado Blvd. May 1, 1992 STIRRING AND EMOTIONAL!" SPECIACULAR AND INSPIRING EPIC! (818) 793-6149 (818) 796-9704 'STAR WARS' OF PYROTECHNICS "INCREDIBLA PERFORMED!" 7:30 and 10:00 pm Academy Award "A TOWERING ACHIEVEMENT AWESOME!" Winner E. M. Forster's \$1.50 ASCIT \$2.00 Other Mediterraneo **Howards End** Daily 4:30, 6:30, 9:00 p.m. Next Week: Sat-Sun Matinee 2:30 p.m. Strange Brew BACKDRAFT Daily 4:00, 7:00, 9:45 p.m. starts May 8 Sat-Sun Matinee 1:00 p.m. **Raise the Red Lantern**

Тне ТёсН

continued from page 1

Violence

The Gap. Not long afterward, the majority of the Lake Ave. shops were closed.

On our own Caltech campus, a large sign that was posted on the south side of Winnett (see photo, page one) was burned around 9:30pm. Security also felt it was necessary to add three more officers to the Thursday night watch, bringing the total number of security officers to eight. Many offcampus students have chosen to remain on-campus for the duration of these incidents. Undergraduate student houses are welcoming people, providing crash space and sleeping bags. Because there is such a dearth of information about any area other than Los Angeles, it might be interesting to note that there is a telephone grapevine funneling information about the Pasadena area to the student body. Rob Hanly is handling the information dissemination for the graduate students and Kim West is the locus of information for undergraduates. Through her, information is funneled to the RAs and then the House Presidents. The word from Hal Ginder is, "Stay inside and do not wander the streets and don't go north of Colorado." Sgt. Stacey Koon—NOT GUILTY: Assuallt with a deadly weapon, Assault under color of authority, Filing a false police report, Accessory after the fact.

Officer Laurence Powell-NOT GUILTY: Assault with a deadly weapon and enhancement (great bodily injury), Filing a false police report.

MISTRIAL: Assault under color of authority and enhancement (there

The Real Verdict

Rajesh "Q" Bilimoria

At 11:00 P.M., I just heard that Eddie's Market on Michigan was looted. The acquittal came on Wednesday, and that night the city burned. Tonight, it's Thursday, over twenty-four hours have passed, and now the situation is worse. The violence has not only spread to neighboring cities like Pasadena, but is reaching as far as Atlanta.

I have to admit that I was surprised by the magnitude of the violence that has occurred since Wednesday. If I plead for peace, it won't be a new message. But it is sincere. There is no excuse for excessive violence. Either by the police or by the citizens. It's still easy for me to say this; as strong as my convictions are, I'm not moved to violence. Perhaps that's because I'm approaching the issue more philosophically than emotionally. But try to imagine being African American in Los Angeles for the last twenty-five

EDITORIA

years. What you see is a group of people who have seen the legitimate channels fail to address their issues fairly, in their eyes. And now it seems as if the system has finally failed catastrophically. Several issues come to mind in this case. The question raised in my mind is that how could so many people feel that

the outcome was wrong if it were correct. If so many people saw exactly what the jury saw, their disgust with the verdict can be explained by the fact that they draw different conclusions from the same evidence. No person is completely impartial; and the members of the jury are not exempt. I am not proposing mob rule, but I wonder, given that within the Los Angeles area the entire trial was broadcast to the public, how could the public be wrong? The broadcast of the trial did not prevent people from being misinformed-some think that the jury was all white (it was not, one member was Asian, one was Hispanic), etc. Many informed people were also shocked by the verdict. As in any trial with racial overtones, I wonder what the outcome would have been if the victim were white and the attackers were black. We know the trial was held in Simi Valley, a predominantly white community. The composition of the jury, even in the fairest of people, must have an effect upon the outcome.

What is different in this trial is not that a white man beat a black man and was acquitted, are present that officers of the law, who were white, beat a black man, and were acquitted. The specific charge against two of the officers was "assault/excessive force under color of authority." The underlying implication of the acquittal of the officers, regardless of whether or not it is correct, is that what we saw in the now famous thirty seconds of amateur videotape is acceptable. It is very easy to perceive that this could happen to any one of us. I've heard people ask, "If that is not excessive force, then what is?" And I wonder the same myself.

ing of the motivation for the rage, I

plistic interpretation of the events might be that violence is the only solution-the only way to fight the violence of the law is to be violent. I honestly believe that only peaceful actions will serve any constructive purpose. But I do not see the attacks and the looting as constructive protests. If the violence is intended to be a protest, it is a gross failure. The violence is an expression of frustration. The acquittal seems to have triggered this response all across the country.

To be fair, I cannot condone the violence of the looters if I do not condone the violence of the officers on trial. It is interesting to notice a similarities between the lootings and the officers' beating of King: both would not occur if the participants knew they were on camera, and both appear to only occur when large groups are present. I do not condone the violence, but I feel I have some understanding of causes of the rioting, but not of the police violence. I cannot understand how four men, accompanied by over twenty men and women who are also trained to deal with violent people, can be so intimidated by one unarmed man. Yet both occurences are so very destructive; the rioting and looting will again prevent new businesses from opening in South Central L.A., while the

police violence will further fear of the police among many people.

MAY 1, 1992

Some have argued that the jury did not consider the possible repercussions of their verdict. I certainly hope they did not, for it is not their job to consider how the public will react to their decision;

they must however, reasonably and rationally arrive at their verdict. If the jury were to convict an innocent man in order to pacify a community, it would be as incredible a wrong as the misuse of authority by the police officers, if not worse. I very much hope that the jury was true to itself, for if not, it has betrayed not only itself, but the citizens of this country.

Something seems wrong. And while we all wish that the violence would stop, that the fires would be extinguished, that everyone could go home to sleep in peace, we must realize that even if the violence stops, suppressed by the National Guard, the LAPD, the Sheriffs, and the citizens of Los Angeles and its surrounding communities, the problem will not go away. The problem is not the looting and the fires and the violence. These are but mere symptoms of the actual problem. The problem that stems from the economic inequality in the United States. The problem that stems from the racial stereotypes and misunderstandings and hatred that persist from hundreds of years ago. Unless all the citizens of this country are convinced they are treated equally, the problem will not go away. It has been said that the acquittal was a trigger for the expression of frustration building up for the last twenty-five years. If we do not actively change how minorities (which may soon be the majority) are treated, this will happen again, and again, until something changes.

I hope for peace. I'm frightened, I'm tired, I'm disappointed. And I hope that we, as a nation, realize what is really happening and take real steps to change.



While I now have an understand-



continued from page 1 Outward Bound

about themselves as they climbedGiants' Ladder—struggling just to keep from falling off the blasted thing! Together they had to fight to reach each rung, bouldering with fifty pounds of gear weighting them down. It was no walk through the park.

The first two weekends of the term brought ten Techers together for the experience of a lifetime. Whether belaying one another for rock climbing in the mountains of Red Rock Canyon or cleaning up broken glass as a service to the park, they learned to trust each other and work as a team.

Ken and Cheryl were cool instructors. They taught the students everything they needed to know for rock climbing. And they managed to gel with nine Techers in different classes from different houses to form a damn good team. What an experience! As Ed Etzkorn put it best, "I didn't even go, but it sounded really neat."

But Outward Bound was not just some kind of religious experience, nor was it like some weird combination of boot camp and a huge hug-fest. They climbed some rocks, slept with some rattlesnakes, and got sunburned. They made some good pasta sauce. The trip was a kick, even the tough parts. For all the desert sun, cactus needles, mosquitoes in Red Rock, and other minor bits of japery, it was a fun trip. Even belaying someone, being ready to catch them if they fell, was quite an experience.

The Caltech Y is planning on sponsoring future excursions which will include five Techers and five at-risk teens from local areas. We all might really benefit from getting to know people from such different backgrounds. Outward Bound was about halfway between hell and a slumber party. Anyone want to go next year?

Collage Performs at Whisky A Go-Go The band will and "Travel on," songs recently marketed on a demonstrate and ensite

join two Caltech

bands in S.A.C.

Brandon Bandhauser

It didn't take long for the crowd

at the Whiskey A Go-Go to get into

Collage's Tuesday night perfor-

mance. Just an accidental mention

of their name on stage was enough

to elicit cheers, screams, and yells

from what is quickly becoming a

And the band didn't disappoint

From the time the opening bands

stepped onto the stage, to the mo-

ment Collage finished their encore,

to the final wails of the closing

band-Whiskey Biscuit-the crowd

was treated to a smoothly-run, in-

The band fronted by the clear

vocals of and guitar palying of Ben

Older and Rick Recht, played ex-

tremely tight, working the groove

laid down by bassist Morgan

Spencely and drummer Sean Bar-

rows with ease and showmanship.

The musdic was punctuated well by

Brad Weber's rhythmic wailings

on the harmonica. Weber and Recht

were both clean and simple with

their solos and embellishments, not

disappointing the crowd that has

become used to the alternating soft

phrasings and long bends of Recht's

guitar and to Weber's exclamatory

use of the harmonica. The effect

often drove the crowd to frenzied

screams, and most of the crowd

spent the majority of the evening

The set, too, moved well, starting

off with fast regular beat of "Bu-

reaucracy" and moving quickly into

the much more familiar "Don't

Want to See so Clear," "Little Bird"

swaying or tapping to the music.

very large and loyal following.

Neither did anything else.

them.

spired show.

and "Travel on," songs recently marketed on a demo tape and easily the crowd favorites.

"War Song" featured Older on lead vocals. His performance was well-received by the crowd, but was over-shadowed by the three-song set of their earliest work. "Look Inside," perfomed *a capella*, slowed the show down without dissipating the energy of the crowd, who reacted as strongly to it as they did to the guitar duet of "Prejudice." "Penis Envy," as always brought rounds of laughter and screams from the audience, and allowed Recht to really showcase hid understanding of blues phrasings on the guitar.

The rest of the band rejoined them on the new song "Bite Size Pieces," the only song played by them that was relatively unknown to the audience. The crowd, nonetheless, cheered on, as they did for the better known "I Remember Well."

"I Miss the Rain," a song that Older dedicated to a friend from his home town, was the only one of the truly old tunes played by the entire band.

The set finished up with "Mr. President" and "Dream Your Life Away," songs that left the crowd still cheering as the band made their way off the stage. So much so that the master of ceremonies was drowned out while he called Collage back to the stage for an encore — a lively rendition of "Love the One Your With."

The band was well supported by their entourage — the people helping them to market themselves and the roadies who allowed for the antics of Older, Recht and Weber to happen without any hassles on the small stage.

In the end, what it comes down to is that these guys are tight, they're having fun and they have an appealing energy that leads to a great show.

Collage will perform in the SAC courtyard with two Caltech bands, from 9 to 11 p.m. The concert is an adjunct of the Coffehouse Marathon, which is running this weekend.

CLASSIFIED ADS

PAIR OF GLASSES (20/25) with black rims in a black case. Call (818) 577-4890 if you

LOST—

have information

HELP WANTED-

Capitol Steps Begin At Beckman

Cara Stemen

The Capitol Steps bring musical political satire to Beckman Auditorium on Friday and Saturday, May 1 and 2 at 8 p.m.

•Their program will be selected from such pieces as "Leader of the PAC," "We Arm the World," "Dances with Wolf," "Read My Flips" and "Lirty Dies."

The Capitol Steps are a group of current and former Congressional staffers, who first began performing their muscial political satire as entertainment for a Capitol Hill office party. They have been performing



THE TECH

The Capitol Steps will perform in Beckman.

their song parodies for more than eight years and have recorded a numbe of albums, including "Stand By Your Dan", "Workin' Nine to Ten" and "Sheik, Rattle and Roll."Tickest available at the Caltech Ticket Office.

Brahms' Requiem

Don Caldwell

Brahms' *Requiem*, certainly one of the great works in the choral literature if not in all music, will be performed by the combined forces of the Caltech Men's Glee Club and the Mount Chorus from Mt. Saint Mary's College at 4 PM Sunday afternoon, May 3 at the Pasadena Presbyterian Church (on Colorado four blocks west of Lake); admission is free.

Next to the settings of the Catholic Mass text, the *Requiem* is the oldest continuously composed musical form, having been used by composers from the fifteenth century to the present day. There have been occasional departures from the Catholic liturgical model, using texts of great variety, from scripture to the poetry of Nietzsche, though on the whole the most famous examples of the form use the Catholic text, e.g. the settings by Mozart, Berlioz, Verdi, and Fauré. Brahms represents the major exception.

His *Ein deutches Requiem* has been revered by all since its initial performances in 1867 and was the work which really established the composer's reputation. Employing texts taken from both the Old and New Testaments, the work has a curious history. Unlike those of most other composers, it was not written in memory of a particular individual, but rather evolved in the composer's mind over an eleven year period which saw the death of his mentor, Robert Schumann and also his mother.

The piece is the work of a man who apparently drew much consolation from the words of the Holy Writ but had no place in his life for organized religion. It is significant that Christ's name is nowhere mentioned in the text. Brahms claimed no individual applications, rather he had 'the whole of humanity' in mind.



Crime & Incident Beat

4/16 The victim parked his truck at the North Lura Parking lot between 8:15 AM and 1:25 PM. During this time, someone re-

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



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

TOP INSTRUCTORS ONLY, please. Biology,

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

JOB OPPORTUNITIES -

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

ADVERTISING SALES REPS wanted for small campus newspaper. Caltech students preferred. Will train! Call ext. 6154 today! RATES......\$4.00 for first 30 words;10¢ for each additional word. Send written ad with payment to 40–58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.



moved the sliding glass window from the rear of the cab.



ENTERTAINMENT

Bridge Without Sam

Jeff Goldsmith

The Right Stuff

Playing in a Victory Pointed Swiss team event, I had the luxury of having the event nearly locked up going into the last match. All we had to do is avoid getting blitzed. I pick up a likely swing hand:

> **≜KJ83** ♡AKJ42 \$A **≜**A43

I am dealer and have an easy 100 opening bid. Partner responds 14, which in our methods promises a five card suit, and I have a problem. • are going to be trump and a slam is definitely in the picture. I need to get partner to help, though. I choose 40, a splinter raise showing four card support, a singleton diamond, and game going values. Normally, I do not like to splinter into a singleton Ace because partner evaluates his KQx as junk, whereas here it is worth two tricks. On this hand, however, I do not see any sensible alternative; what I need are major suit cards in partners hand, not \Diamond , so if he devalues \diamond cards, that is just fine.

Partner thinks for at least 30 seconds before making his next call, and fails to Alert my bid as being conventional. I am not entitled to this information, but I still get nervous when partner fails to alert. I know that is our agreement, though, so I'm not worried about it. He finally comes up with $4\heartsuit$.

If he did not like his hand for this auction, he would sign off at $4 \oint$. If he is still interested in slam, he should cue-bid a control. Does he have a singleton \heartsuit ? If so, how good is that? This partner has heard me say, "Your first cue-bid is never in partner's suit," so, no, he does not have a singleton. What he has, instead, is a filler in my suit, here clearly the $\heartsuit O$. He thinks that it might be a useful card, and he is very right. Normally, he will have QJx or so to show a filler, so why did he not raise \heartsuit s immediately? Hist must be good enough to want to find a spade fit. If so, we surely have a slam. If he has five to the AQ and the $\heartsuit Q$, plus at least two \diamondsuit , we have 13 tricks at \bigstar in five \bigstar , five \heartsuit s, two Aces, and a ruff in the short hand. How can I find out? We play Roman Key Card Blackwood, so I can ask about the Ace and Queen of trump, but I am going to bid a small slam at least, so I just trot out the Grand Slam Force (5NT,) asking partner to bid seven with two of the top three honors in trumps. A are clearly trumps, so it ought to work.

By the way, a generalization of the maxim that the first cue-bid is not in partner's suit is, "Your first cue-bid cannot be in a suit that can possibly be trumps." Therefore, it is imperative to unambiguously set trumps in slam auctions so that partner can cue-bid in as many suits as possible.

Partner obligingly responds 6NT, showing two of the top three honors, in this case the AQ. (The normal version of the Grand Slam Force uses seven of the trump suit show two of the top three honors, but we use 6NT in order to be able to use the GSF to find the higher scoring slam at matchpoints.) On this hand, I shall bid a grand, but first, might it be safer in notrump? We will need a minor suit King from his hand to make 7NT. He cannot have one since I already know eight points in his hand $(\triangle AQ, \heartsuit Q)$ so $7 \triangle$ must be best. That is my choice, and it turns out to be cold. Partner held:

> **♦**AQ9742 ♡Q53 ◊42 **♣**87

The Caltech Bridge \clubsuit meets every Monday night at 7:15 in the Red Door Cafe and holds lessons for new players every Tuesday night in 72 Jorgenson Hall at 8:15. Everybody is welcome; call Jeff Goldsmith at x2818 for details.

This term, the lesson series will be covering "intermediate topics" and will be taught by expert guest lecturers. Everyone is welcome.



A Midnight Clear 12345678910

At this point and time in our society people have reached a stage of heightened awareness that can be mostly attributed to Hollywood and the movies. People no longer just want to see a phony story set on the silver screen and walk away with a pleasant smile on their face. Todays movie viewer wants to be shook by realism and drawn into the film. This transition can not be better seen than in the way movies about war have changed. Early war films of the John Wayne genre always glorified battle. War films now try to teach us about loss. A Midnight Clear is in keeping with the present trend.

This film is mostly based on fact from a 1982 novel written by William Wharton who used his war time experience as a soldier in the Army Specialized Training Program (a unit for men with genius IQ's) and whose characters in the film were inspired by the men he served with. The story takes place at Christmas 1944 in the Ardennes Forest of France.

The story takes off as a halfcrazed, cowardly and dumb Major who malfunctions as the platoon

leader orders six of his most intelligent men to function as forward observers behind enemy lines. At this point the film takes on a more surreal quality as the six men set up camp in a mystical and beautiful chateau set upon the gently sloping hillsides covered in pure

white glistening snow. The splendor of the setting prompts the star and narrator of the film Ethan Hawke who plays Will Knott (or Won't as his friends are quick to call) to remark, "I am having my same problem-noticing how pretty the world is just when I may be leaving it."



The Germans become aware that

Americans are in the area yet they choose not to fight. Rather they taunt them by chanting at night "Schlaf gut" (sleep well). When the Americans first encounter the Germans they find that they are merely a rag tag ensemble of old men and young boys. This becomes a turn-



ing point in the film. The men see each other as people rather than the enemy. This film is about soldiers who try reach a peace between each other at Christmas while caught in the brutal surroundings of war.

Most of the charm and quality of this movie lie within the actors themselves. This film does not try to capture the audience with special effects or high tech film techniques. It is filmed simply and plainly but it draws the viewer into the story by the beautiful backdrop and the inspired empathy towards the actors. The six Americans in the Specialized Unit were a young noble sergeant Ethan Hawke (Will Knott), a shell shocked soldier Gary Sinise (Mother), a Jew Arye Gross (Stan Shutzer), a wise and skilled GI Kevin Dillon (Mel Avakian), a failed seminarian Frank Whaley (Father) and a fake officer Peter Berg. The film attempts to show the viewer the stupidity and injustice of war and it succeeds.



May 2, 1992



9:00 - 11:00 pm

SAC Courtyard (next to the Coffeehouse)



MAY 1, 1992 **Interhouse Committee Minutes**

Karen Ross

Present: Paquito (Pa), Rich (Fl), Joanna (Ri), Kate (Bl), Rob (Ll), Alf (Da), Ed (Ru), Pablo Thienprasit, Stanley Grant, David Wales (MOSH), Kim West (DRL), Ben, and me.

The meeting started at 9:00 PM. During prefrosh weekend, several groups set off the motion detectors in the steam tunnels and were caught be security. Ben warned people to be more careful.

Pablo took down names of people from each Hovse to be on the ASCIT Excomm, which is responsible for settling any conflicts arising from the ASCIT by-laws. Pablo left at 9:10 PM.

The following plan was adopted to deal with summer housing: South Hovse people are guaranteed a spot in their own Hovse for the summer. Remaining spaces will be available to North Hovse people, although some spaces will be left empty so that kitchens are not overcrowded. The available spaces will be put into a lottery together with. the off-campus spaces. North Hovse people who want to live in the South Hovses and anyone who wants to live off-campus must sign up for the lottery. Numbers will be assigned and spaces will be chosen in a fashion similar to the fall lottery. A person who chooses a South Hovse space is just choosing a house, not a room. Rooms will be assigned a room according to that Hovse's summer roompick. Squatting and settling will be allowed according to each Hovse's normal policy. North Hovse people will pick with their class. The current off-campus affiliated assignments will remain in effect over the summer, although Ricketts might take 290S. Holliston (if the current residents agree) since they are losing Frame House in June. In off-campus unaffiliated spaces, settling will take priority over squatting. A fund to cover damages in the South Hovses over the summer was suggested.

The minority house issue is still not settled. There are cases in the past in which minority groups have requested housing and been refused. It was suggested that a club or culture center, perhaps incorporated with the Women's Center, might be a better solution to the problem that separate housing. Eddy Grado will be invited to the next meeting to discuss the issue further.

Kim said that the few people who turned in fall lottery cards late will be put on the end of the waiting list. These people are technically not guaranteed housing, but there are

so few that they will most likely get housing.

Kim and David left at 10:35 PM. Major revisions to the pet policy are needed. The IHC will go over the policy with Nancy Carlton before it is put into effect.

At the dinner/meeting at the MOSH's House Wednesday night C-Hall, the Women's Center, Rob Cobb's position, and the RA selection process were discussed. Everyone agrees that such meetings are helpful and wants to have them more often. Joint IHC-ASCIT meetings were suggested to discuss issues that concern the whole campus, such as the Women's Center. Joanna expressed concern over

insects in the meeting room.

Students returning from leave in the fall who must go before UASH are not guaranteed housing. According to Dean Brennen this has always been the case. The IHC would like the policy changed so that people who are reinstated by UASH are guaranteed a room. They would not be assigned a space until after UASH meets and they know they can register.

BDR and the Page Holly party are this weekend. Come and hear Ken (Blacker R.A.)'s band at BDR! The meeting ended at 11:55 PM.

Seniors Only

Jonathan N. Liljeblad

On King, his Trial, and Emotion

I suppose there really isn't much to say about what's been going on the past few days-the facts of the case and the results of the verdicts have been made plain. Not guilty on all counts except one, for which there was a mistrial. All four officers cleared of charges, except Powell's "questionable use of excessive force." King lost. They won. Simple as that.

To protect and to serve ...

As expected, there were riots and there was anarchy. Despite the best efforts of the 7 ministers of the coalition, the citizens of several communities went on a rampage. As always, the voices of reason were lost in the wilderness. Violence, as it has always been, engulfed peace, and rage eclipsed reason.

Stop the violence. Increase the peace...

In one crowd it is a people thing versus a LAPD thing. In south-central Los Angeles, it is a black versus a white thing. Somewhere else, it is a power thing-between those who have it and those who feel they have lost it. In come places, it is nothing more than the venting of despair and anger.

There are those who believe that King was a criminal who got what he deserved. There are those who believe that King was a person abused because he was a black man speeding away from the police.

Equal before the law ...

There was no surprise, really. You could see that the only things the jury really had to listen to were the officers in question and the videotape in particular. From the questioning, you could tell there was a slight focus on the defendant's position. Judging from the ruling, you could see that the jury followed what reasoning they could with what they had...And what they had was not from the testimony of Rodney King. Ain't no sunshine, anytime ...

Citizenship dictates that we as a population must in some way have respect for the law, that we as a people must abide by the common precepts indicated by the notions of citizenship. This extends to nonviolent action and to rational expression of our opinions over the actions

of the courts. This means that we understand the proper channels necessarily maintained for law and order. Unfortunately, I don't think that those people rioting in the streets see

themselves as citizens anymore.

All I see is that a man who was speeding was chased down by the police, who then told him to lie down on the ground and then beat him with everything they had. Granted he had a criminal record, but that does not justify that he be beaten for speeding. The officers claimed that they beat him out of fear for their lives-get real, people, there were at least 4 officers there (actually more) and you're telling me that you were afraid of one man on the ground being beaten by the 4 of you? Being beaten with everything you had...

They beat him. They beat him like they would beat an animal. Reading their reports, they did not see him as a man but as something sub-human. They beat him so hard. My God, they beat him like savages. And they say that his head injuries were caused by "encounters with

the ground."

Whatever, man, whatever.

I am very confused over the issue. There is the law, and there is the court. But this case has ramifications above a ruling declaring 4 men innocent. The verdict given by the jury threw the trial into the political and emotional realm. As John Singleton said, "Don't you understand? You just f-----with a time bomb." The ruling on these 4 men influences the image and stature of their police department—however people view them, they will also view all officers.

And so what do you think happens when people have no respect for their police?

So much...rage...

But the ministers are right. Peace is the only way...do not destroy yourselves or your communities—as Martin Luther King, Jr. said, There is a moral and spiritual battle that must be fought as well."

I know one thing. If I'd been pulled out of my car and ordered onto the ground while everybody around me was beating me with their batons, I would have made every effort to stand up. It would have been futile, and it would have done nothing to help. But Jesus Christ in Heaven, if I was going to be beaten like he was, I'd have rather been beaten as a man, not like some animal. On your knees, standing up, whatever, looking at your punishers in the face, not with your nose to the ground and hands cuffed to some rope. Yes, King did not follow orders to lie down. Yes, he tried to stand when told not too. But better than being beaten as something less than human. Even after he did lay down, they kept beating him, because he did not keep his arms still.

Minutes 4/28/92

Korhan Gürkan

Present are the BOD, Eric Stout, Sam Webb, Jill Bush, Jennifer Miller, Jing Tying Chao, Joe Jensen, Pablo Thienprasit, Q, Mike Oder, Christopher Orth, Gavin Claypool.

Appointed Offices: Signups for Big T Business Manager, Little t Business Manager, Little t Editor and Publications Darkroom Chairman are closed. The interviews for these offices will be next Tuesday right after the BOD meeting. Signups for Big T Editor and Coffeehouse Users Group Reps are still open. The interviews for some of the offices were held tonight and the BOD appointed the following: (Congrats!)

Chairman, Ewald Election Hueffmeier; California Tech Business Manager - Khurram Dastgir-Khan; Totem Editors - Michael Clemens, Chief Editor; Lucy Chen, Assistant Editor; Zackary Berger, Assistant Editor

Executive Committee: Pablo has a committee and needs approval. The BOD approves (6-0-2). The members of ASCIT Executive Committee are Paul "Pablo" Thienprasit (Chair), Gary Olsen (Bl), Jon Lange (Da), Forrest Long (Fl), Audra Meng (Ll), Charles Halloran (Pa), Steven Fought (Ri)

and Stanley Grant (Ru).

The ASCIT Formal is on May 8, 1992. So far, 55 couples have signed up. If you still want to go to the formal, then you need to find Derek

Tanning Invitational: Joe Jensen brings a budget proposal for the Tanning Invitational at 150 S. Chester. It will be on May 16. They are asking for \$500 from ASCIT. However, since the Caltech Y gave them \$200 less than their request., they would appreciate it if we give them more. The BOD decides to give them \$700 from the social budget.

ASCIT Van: Eric Stout brings an order form for the van. The total cost will be \$20K. He needs \$100 deposit to order the van. The BOD approves (8-0-0).

SWE: Jing submits a budget proposal for Society of Women Engineers (SWE). The BOD decides to give them \$300 (5-1-1).

Totem: Jennifer Miller reports on Totem 1992. She put notices around first term. But, last term she was on leave. There was some lack of communication between her and her co-editor, Jeff Foust. The whole thing never started going. They received very few entries. So, the Totem will not come out this year

but, Jennifer wants to help next year's Totem Editors.

Phone System: Ben brings a proposal for an undergraduate phone system by Walker Aumann. The system is completely designed. The total cost will be about \$20,000. According to Walker, it can pass FCC regulations. Walker will contact us later.

Mike wants input on the Women's Center since he will attend the Faculty Board Meeting.

Jill wants info on the argument about funding the ASCIT Movies. She is supposed to write an article for The Tech. The BOD does not understand the point of the article.

Caltech Y picks up the \$450, which was approved last week, for broomball.

Salaries of the Tech editors and the Tech Business Manager for issues 23 and 24 are approved (8-0-0).

If you want a copy of the ASCIT Minutes or if you are getting these minutes but, you don't want a copy, please contact me, Korhan Gürkan, Page Rm.209, 405-0475, Box 565.

I couldn't imagine

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May 1, 1992

THE TECH Caltech Chemistry Ranked Number One Worldwide

Robert Finn

The Philadelphia-based Institute for Scientific Information (ISI) has ranked the California Institute of Technology number one in the world for the impact of its research in chemistry. The ranking was based on a citation analysis of 377,790 scientific articles published in the field of chemistry between 1984 and 1990. The "impact" of an article is determined by the number of times that article has been referred to in other scientific papers. According to ISI, the 377,790 papers received a total of 2,012,150 citations, for an average of 5.33 citations per paper. The Caltech average was much higher. The 873 Caltech chemistry papers published during that time were cited and average of 18.44 times each.

ISI's analysis appears in the February/March 1992 issue of Science Watch, a newsletter that tracks trends and performances in basic research. According to the article (a copy of which is attached), "Measuring the impact of a university's chemistry output by its average citations per paper permits one to compare a large university with smaller one."

"I am delighted that an objective ranking confirms something that we have believed for some time - research in chemistry at Caltech is second to none," said Fred C. Anson, professor of chemistry and chairman of the Division of Chemistry and Chemical Engineering. "It is gratifying to see that the articles published by Caltech chemists are widely read and have had great impact

According to the article, "Sci-

ence Watch identified 65 papers by Caltech scientists that were cited 50 times or more by the end of 1991. That's 7.4% of its total output of 873. Only 2,127 of the total 3777,790 papers surveyed were cited 50 times or more, which is just 0.6% of the total. The concentration of excellence in chemistry at Caltech is clear.

"Several researchers helped Caltech achieve its stellar ranking," the article continues. "One is Ahmed H. Zehwail, a pioneer in ultrafast, or femtosecond chemistry. Histeam fielded fully 21 of the 65 papers cited 50 times or more...Other Caltech superstars-those who fielded at least a half dozen papers cited 50 times or more during the 1984-1990 - are Harry Gray (8 papers), Rudolph Marcus (7 papers), and William A. Goddard (6 papers)."

Over the years, 21 Nobel prizes have been awarded to Caltech faculty members and alumni. Thirtysix Caltech faculty members and alumni have received the National Medal of Science, and four alumni and one trustee have on the National Medal of Technology. Since 1958, 12 faculty members have received the annual California Scientist of the Year award. On the Caltech faculty are 64 fellows of the American Academy of Arts and Sciences, and on the faculty, Board of Trustees, and professional staff there are 67 members of the National Academy of Sciences and 34 members in the National Academy of Engineering (NAE). There are also more than 100 Caltech alumni who are members of the NAE, composing 7 percent of the total membership.



Philip Cofield

If you're still on campus, you're missing not only one, but two exciting Y trips. This morning we left on a mountain biking trip, and last night people went to Tijuana again. Did you know the Y has been sponsoring volunteer trips to build a community center in Tijuana? Well, there are still at least two more so you can still sign up to go. By the way, Moeen just said the volunteer trip to the Foodbank last weekend was a success.

Next week, for your listening enjoyment, we will have two noon concerts outside Winnett. Thursday will feature the Jazz Band, and Friday Dionysus (sorry if I misspelled that) will play. The great music should get you in the perfect mood for Boffo Bonecrusher Broomball on Saturday. If you haven't entered a team yet, you probably should do that really soon.

Backtracking a bit, the first meeting for the Y Hike will be next Tuesday at noon because we didn't tell anyone that it was actually last Tuesday. Thanks to those who showed up anyway. If you want to go on next year's Hike and corrupt frosh even before Frosh Camp UCC's get to them, come on Tuesday.

For those of you able to plan far in advance, the week after next will feature a Whiffle Ball competition on Wednesday and the International Day bonanza on Friday. If you want to know anything else, especially stuff regarding Y activities, stop by the second floor of Winnett or call x 6163.

outside view

Khurram Dastgir-Khan

Thoughts About Science At Caltech

Caltech, supposedly, is a place full of people who care passionately about science. Or is it? Most of my colleagues are highly intelligent but apparently not very passionate. Can I draw the conclusion that intelligence and passion do not go together?

That indeed is the conventional image; rational, scientific thought is detached and unemotional. Just the bare facts, please. But science would have made little progress had there been no passion. Thomas Kuhn has shown, convincingly in my view, that science progresses as much-if not more-by subjective decisions as by rational thought. Perhaps the students are removed from the crucial scientific decisions, and thus just see themselves as patient workers who have to get through the next lab. We are back at the side of "cold philosophy."

I admit that it is hard to get really excited about the undergraduate curriculum. Mostly it is a nuisance; legwork that has to be done, basics that have to be mastered before one can get to the *really* interesting stuff. Such stuff is, however, not likely to appear before senior year, or in most cases, before graduate school. So should academics remain bleak for freshmen, sophomores and juniors?

No. Academics should not be bleak. I am moving towards a topic that I have discussed before; science education does not have the sense of adventure anymore. I believe, some will say naively, that with proper teaching, every science course can be turned into an adventure of discovery. Even AMa 95.

Science, by definition, is profound because it is not concerned with appearances, it is concerned with what is behind the appearances. To learn how something works is to learn something profound. So here is my gripe with my illustrious alma mater. It is not showing me the profundity behind the science. Harking back to AMa 95, to take the extreme example, I have lately come to realize that Cauchy Integral Theorem is mathematics at one of its elegant peaks. But I never found *that* out in the lecture.

At Caltech, students are shown the processes and how they work, but they are rarely shown how the processes come together to function as something whole, something beautiful. If Caltech students do not appear passionate about science, it is perhaps because they cannot see its beauty. Strangely, it seems what is true of romance is also true of science; let there be beauty, and passion will follow.





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WHAT GOES ON-

NOTICES

Pray for Los Angeles - Come join us for prayer today at 7:00 in Winnett Clubroom 1 (upstairs from the bookstore). Everyone is welcome. Sponsored by CCF.

Grads Apply For 92-93 Housing Now -Graduate student housing applications for the 1992-93 year are now available at the housing office. Rooms are allocated by lottery. The application deadline is Friday, May 1, 1992. For more information call Linda Chappell at x6178.

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

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

Wanted: Books! - This year's annual book sale is scheduled for Friday, May 29, and members of the Friends of Caltech Libraries are preparing now by collecting new and used, hardback and paperback books from members of the Caltech/JPL community. Donations in all subject areas are needed. Bring donations to the first floor of Millikan Library during the week between 8 a.m. and 5 p.m. A special "Donations Saturday" is planned for May 9, when refreshments, as well as help in carrying books, will be available between 10 a.m. and 2 p.m.

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

Events

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

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

The CIT-KNIT Group meets at noon on Tuesdays in the Benioff Conference Room (Rm. 256 S. Mudd). Come and join us,

Buy Caltech cards and save, save! **BURGER** Buy Caltech cards and save, save, save!

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

> International Folk Dance - Cinco de Mayo folk dance featuring the Merak Band playing Balkan Gypsy music. Admission is free. Folk dancing lessons begin at 7:30 on Tuesday, May 5. For more information call Michael McKenna (818)401-1557.

> Caltech Medieval Renaissance Society Meeting- The society is gathering to plan their May 16 tournament. In Winnett lounge at 7 p.m., Wednesday. For further information call Allison Johnson at 584-3828.

Caltech Y Volunteer Trip to Tijuana, departs from the Caltech Y at 3:30 p.m. on Thursday, May 7. Students will participate in the construction of a community center in conjunction with the YMCA de Baja California. Sign up for the May 7 or 10 trips. For further information call Chris Sunderberg, ext.6163.

Pasadena Needs You! - Be a volunteer, after-school tutor in the Pasadena School System. It takes just one hour a week. Sign up at the Caltech Y or call Riki at 356-9258.

Fortunetelling at Caltech - well, sorta. Tarot card classes (hosted by Poetry Workshop). Make your own deck. In Y Lounge, 2nd and 4th Thursdays of the month, 7 to 9 p.m., more details from kathy@bombay.gps.caltech.edu (or x6955). Free and open to the public, so bring a friend.

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

ENTERTAINMENT

Tickets - The Caltech Y has tickets to the Dodgers game on Sunday, May 1 for \$8.00. Raging Waters tickets are available for weekends only for \$13.50. Sea World & Magic Mountain tickets are available for \$16.25. and \$167.50 respectively.

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

"Documents in the Case" - TACIT will give a performance of "Documents in the Case" a play about a love affair, ac case of mistaken identity, a plate of mushrooms, a death, a temperamental artist and some scientists with a polariscope. Starting May 1 in Dabney Lounge. Contact the Cattech Ticket Office at (818) 356-4652 for more information.

Capitol Steps - This group of former Congressional staffers, switched to musical political satire, and for the last eight years have been performing their song parodies chronicling the flips and foibles of our countries leaders. Come see them this weekend in Beckman Auditorium. Tickets are available at the Caltech Ticket Office. For more information call x4652.

Noon Concert - The Caltech Jazz Band is giving a noontime concert in the Winnett quad, on Thursday.

CONTINENTAL

Commisar (Soviet Union, 1967/68 Askoldov) will screen at 7:30 p.m. on Tuesday, May 5, in Baxter Lecture Hall. This innovative and daring work will screen at 7:30 p.m. on Tuesday, May 5, in Baxter Lecture Hall. This innovative and daring work was banned and then later heralded as a "lost" masterpiece. The story is set during the 1922 Civil War between the Reds and the Whites.

Paris Airshow 1987 - The Caltech Student Branch of the American Institute of Aeronautics and Astronautics invites the Caltech community to enjoy the Aviation Week video of the 1987 Paris Airshow. Come see the French Rafale, British EAP, Israeli "Super Phantom" F4, and the F-16 and F-18 fighters in flight demonstrations in room 306 Firestone at 4:30 p.m. on Wednesday, May 6. Refreshments will be served. For more information call Andrew Fung at (818)449-4380 or e-mail nfung@cco.caltech.edu.

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

Renaissance Pleasure Faire - The Caltech Y has discount tickets available for \$12.50 for this annual event which started this last weekend and runs for the next seven weekends.

LECTURES

Watson Lecture - Beckman Auditorium will host a presentation on "LIGO: The Laser Interferometer Gravitational-Wave Observatory". The presentation will be given by Kip Thorne, the Feynman Professor of Theoretical Physics, on Thursday, May 6 at 8 p.m. Admission is free.

"Pasteur and Spontaneous Generation: Revisiting the "Internalist-Externalist Debate" will be the title of a talk presented by Professor Bruno Latour, of the Ecole des Mines in Paris and a visiting professor to UC San Diego. The talk, part of the series on Science, Ethics and Public Policy, will be given on May 7, at 4:00 p.m. in the Judy Library.

CAREER DEVELOPMENT

Seniors!: Keep an eye out for the Career Development Center's annual survey. It's very important that they hear from everyone about their plans after graduation. All information is confidential, so please fill it out and return it. Surveys will be mailed in mid-April (P.S. If you need help figuring out what those plans are, they can help.)

There are still companies coming on campus to conduct interviews. Stop by the CDC office to sign up and to look at our other job resources, including job listings, job database, and employer directories. The Career Development Center is open from 8-12 and 1-5. We're located in 08 Parson-Gates, x6361. GE Corporate R&D is seeking graduating seniors to apply for a Research Analyst/ Associate position involving computer-based financial modeling.

Columbia Business School is offering the Chazen Fellowship for college seniors who plan a career in international business. An application can be obtained by calling(212) 854-5567.

We sometimes get requests for students to do translations and language tutoring. If you're interested in getting paid to do these, sign-up with Carol in the CDC. She will keep your name on file, and when a request comes in, she'll try to contact you. We have a specific request from XEROX in Pasadena fro a brief Arabic translation. Stop by the CDC for more information.

SCHOLARSHIPS & FELLOWSHIPS

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

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

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

Applications are available for the Orville Redenbacher's Second Start Scholarship Program for the 1992-'93 academic year. To be eligible a student must be 30 years or older at the time of the application, be enrolled or enrolling in a degree program, be either a full-time or part-time student and attend an accredited university. All applications must be postmarked by May 1, 1992.

The 1992 Society of Consumer Affairs Professionals in Business (SOCAP) applications are now available. Completed applications must be received by May 15, 1992. The Society of Women Engineers announces its 1992-93 Freshman and Reentry Scholarship Programs. This year they are seeking applicants for seven scholarships totaling \$8,500. Applications including supportive materials, must be postmarked on or before May 15,1992.

The California Council of Civil Engineers and Land Surveyors will award several \$2,00 scholarships for the 1992-93 academic year. Scholarships are available to upper division undergraduates and graduate students who are continuing their education in the field of civil engineering and land surveying. Scholarship recipients shall be US citizens with a minimum GPA of 3.5 in civil engineering and land surveying courses and a minimum overall GPA of 3.2. Deadline for application is May 31, 1992.

Two new scholarships are being offered by Bolla Italian Wines and the National Italian American Foundation. The scholarships, each in the amount of \$5,000, will focus on diverse areas of International Studies with an emphasis on Italian Business and Italian-American History. Applications can be of any nationality, and must be at least 21 years of age upon the awarding of the scholarship, and have a 3.0 GPA. The deadline for the application is May 31, 1992.

The Federal Employee Educational Assistance Fund has \$8,000,000 to loan and \$320,000 in scholarships for the 1992-93 school year. The scholarships range from \$250 to \$1000 and are renewable for four years. This fund is open to federal employees and their dependents, including military personnel. The application deadline is June 5. For more information write: F.E.E.A.F., Suite 200, 8441 West Boles, Littleton, CO 80123-3245, and include a self-addressed stamped envelope.

Applications for the National Hispanic Scholarship Fund are now available. Eligibility requirements are listed on the application. The deadline for all supporting documents and the application is June 15, 1992.

To qualify for the Harry S. Truman Scholarship, undergraduate junior-level students at four year colleges and universities must be nominated by accredited colleges and universities. Students must be ranked in the upper third of their class, be pursuing a bachelors degree as a full-time student, be a U.S. citizen or national, and be pursuing a field of study which will permit admission to a graduate or professional program allowing better preparation for a career in public service. The annual awards range form \$3,000 to \$13,500 with an average of \$6,500. For more information write to Louise Blair, Executive Secretary, 712.Jackson Place NW, Washington, D.C. 20006 or call 202-395-4831.

The Jewish Family and Children's Services (JCFS) announces the availability of grants, scholarships and loans for Jewish individuals and their families. For more information contact the Financial Aid Office.



(818) 577-8200

		NTS, FACULTY, AND STAFF: even days a week
BREAKFAST	\$2.19	with soft drink or coffee
LUNCH	\$4.95	with soft drink
DINNER	\$6.25	with soft drink
Breast of chicken, sea	lfood, lamb,	or the day's special
PIZZAS		SPECIALTIES
Homemade variety	Sh	ish Kabob, Shaorma, Souvlaki-Steak
pizzas		We cater for all occasions
Faculty, Grad Students,	Attend!	535 S. Lake Ave.
Monday and Tuesdays a	re Beer Days	s. Half price on beer. (818) 792-6634

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