

**Tech Meeting**  
today at 12:15PM upstairs in  
Winnett. Add PA15c, get three  
units, a free pizza lunch on Fri-  
days, and best of all,  
write for the Tech.

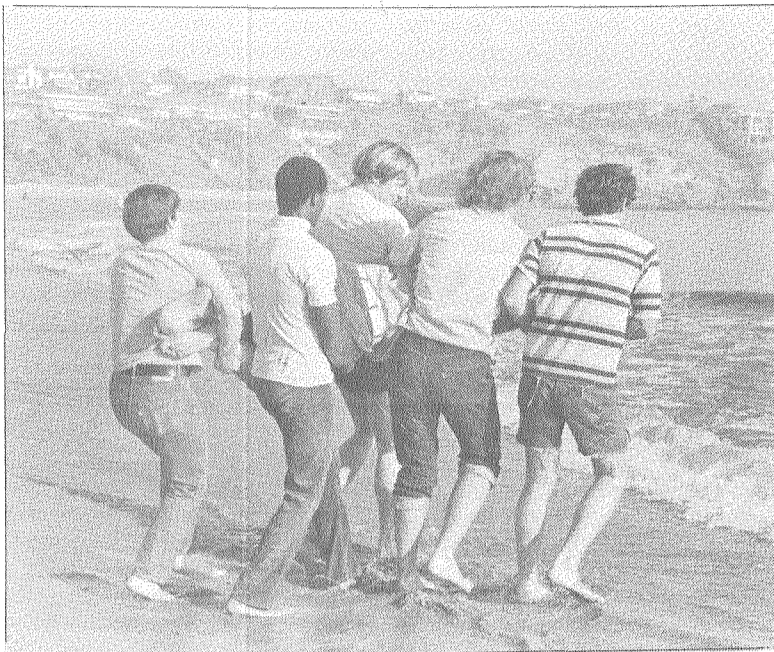
# THE CALIFORNIA TECH

Today, from 4:30 to 6:00PM, there  
is a reception at President Everhart's  
home and garden (415 South Hill).  
All members of the Caltech com-  
munity are welcome. The Drug and  
Alcohol Advisory Committee will  
be introduced.

Volume XCI, Number 21

Pasadena, California

April 6, 1990



With the increase in the number of applications, it shouldn't be too hard for the class of '94 to find a few strong frosh to ocean Geraghty.

## BIG T in Big Hole

by Curt Hagenlocher

As a result of two events occurring last year, the Caltech yearbook is severely underfunded. Because of this, one week from today, there will be an election to change the bylaws to raise the assessment for the Big T from \$24 a year to \$30 a year. This represents an increase of \$2 per term.

This is a necessary increase. After last year's contract debacle, the old ASCIT BOD fired Bassem Mora from his position as Yearbook Business Manager. A replacement was not found until nearly halfway through third term, leaving no time to solicit advertising. At the same time, the negotiated contract was the most expensive ASCIT has ever had, at over \$30,000.

The end result of all this, is that the yearbook came in at about \$10,000 over budget last year. As ASCIT does not have this kind of money, it was necessary for the BOD to seek a loan from the Institute to cover this amount. The terms of repayment on the loan are \$2500 per year for four years.

At the same time, ASCIT now requires all publications to pay their own salaries. For the yearbook, this comes to about \$1200 for the Editor, and is 20% of advertising revenue for the Business Manager.

Each \$1 per term increase in the Big T assessment corresponds to about \$2400 a year additional funding. It is easy to see, then, that the \$2 per term total increase is split about evenly between repaying the loan and paying the salaries. The additional costs brought on by inflation are not even under consideration. The price of the yearbook has not gone up in over five years.

It is very important to realize that this money will be spent whether or not the dues increase passes. ASCIT has already committed itself to paying back the \$10,000 we now owe the Institute, and short of eliminating the Editor and Business Manager salaries, ASCIT is committed to paying those, also. If this increase does not pass, the money will simply be taken out of the ASCIT budget, drastically reducing the money available for social activities and clubs.

At the ASCIT meeting on April 3, alternate sources of funding were addressed. The BOD will continue to seek alternate ways of repaying out loan, but nobody is going to take ASCIT's commitment to the yearbook and to financial stability seriously unless we try harder to come up with the money on our own.

The increase would take effect next year.

## Education in Paradise

by Chris Dunn

Paradise Canyon Elementary School children were introduced yesterday to some of the wonders of science by a group of industrious Caltech students.

Prepared entirely by students, the experiments produced smiles on the faces and curiosity in the minds of the aspiring young pre-professionals and some of the full-time teachers.

Said one teacher, "This is wonderful for the children to see . . . for me too because I don't know anything about this."

Demonstrations included a whirring column of air familiar to Ph2 students, a test of buoyancy (Diet Coke was lighter than Classic Coke, but Pepsi wasn't compared), and sophomore Aaron Lipman's CS52 voice sampling project.

Junior Michael Samoilov, with his iconoclastic destruction of U.S. currency in a demonstration that modern pennies have nickel centers, volunteered "because it's fun and it educates kids so they're not going to be as dumb as regular

## More Applicants, Less Women

by Ali Mortazavi

It is that time of the year when a few brave high-schoolers are wondering whether they were admitted or not to that prestigious purgatory known as Caltech. For the few that did make it, the question of taking the plunge or not must have taken over their thoughts completely by now. Concretely, we now have to worry about (and for many of us, look forward to) the annual prefrash invasion of late April.

The Institute's prestige has been growing lately in the mind of high-school seniors and has resulted in a jump of 18 percent in the number of applications. The percentage of female applicants rose dramatically by about 40 percent. However, this does not mean that the number of women accepted increased. Of the 441 applicants admitted (24 percent of the pool of 1852 would-be techers), 28 percent (or 125 individuals) were women.

This is down from last year's 30 percent admission rate, but as the director of admissions, Dan Langdale, cautions it means only five or six women less than the year before. Of course, these numbers cannot be translated into how many of them will come here. Therefore, we won't know for some time what the actual percentage of females in the class of 1994 will be.

According to Langdale, the incoming freshman class has pretty much the same characteristics as the current class. The percentage of Californians has gone up slightly to 34 percent, while the percentages from the rest of the country and the world have not changed much. The test scores are still as high as the preceding years; the same thing is true of the class rankings, extracurricular activities, etc. . . . Next year's freshmen and sophomores should blend well.

Now that these potential techers have been accepted, it is time for them to "discover" Caltech during prefrash weekend, from the 21st to the 23rd of April. Once again, things will be pretty much like last year (if you don't know or remember . . . grab the nearest ex-prefrash).

A notable change will be that this year's prefrash will NOT be going to Magic Mountain; only a few ex-prefrash think that this is a mistake—we'll see. Instead our

lucky prefrash will be invited to explore Millikan library . . . There may be a few of our guests who will stay until Tuesday, just to see what Caltech is really like.

Overall, there has been little changed from last year's scenario. As more of the '93 type of fresh-

men enter the Institute over the years, we can expect that the undergraduate student body will change gradually and provide us with a more livable environment. Please don't forget to "pervert a prefrash" when you'll have the opportunity.

## CRIME AND INCIDENT BEAT

- 3/8 A Fleming resident left his door open for a couple of hours. When he returned to his room his wallet containing cash was gone.
  - 3/9 A staff member parked her car on the street near Braun Lab. When she returned half an hour later the car's hubcaps had been stolen.
  - 3/12 A car belonging to a staff member was parked in the Chester parking lot. When the victim returned, the car's stereo had been stolen. Apparently the perpetrator entered through the passenger's door, which had been left unlocked.
  - 3/13 A car belonging to a faculty member parked in the Lura parking lot was broken into. The perpetrator stole three cassette tapes and sunglasses.
  - 3/15 A staff member left his bike unlocked outside of the book store and entered. He returned a few minutes later to find it gone.
  - 3/15 A Page House resident reported his car stolen. Broken glass was found on S. Holliston Street where the car had been left.
  - 3/16 A Catalina III resident parked his bicycle at the bike rack on the north side of his building. He returned a few minutes later to find a man riding a bike away with some difficulty. The victim accosted the suspect and questioned him, but he rode away. Only then did the victim realize that the suspect was riding his bike. The victim stated that he did not lock the bike because it was so old that he didn't think that anyone would steal it.
  - 3/16 A mountain bike belonging to a person visiting a 150 S. Holliston resident was stolen from that housing complex's courtyard.
  - 3/19 A 150 S. Chester resident parked his bicycle in parking space #40. It was later found to be missing.
  - 3/19 A 150 S. Chester resident parked his motorcycle in space #16. The motorcycle and a toolbox mounted on it were later found missing.
  - 3/24 A Caltech alumni left her wallet unlocked in a gym locker. An unknown person removed the cash from the wallet.
  - 3/25 A Lloyd House resident reported that money was stolen from his wallet and desk in his room.
  - 3/26 A Keck House resident noticed that his camera equipment was missing, last seen on 3/11. He always locked the room door except when he went downstairs to cook.
  - 3/29 A Noyes Lab door was found ajar in the morning. It had been locked the previous evening. An IBM computer, monitor, printer, plotter, interfaces, disks and some tools were found to have been stolen.
  - 3/30 A Lauritsen staff member put money in his wallet and left the wallet in his briefcase. The office was left unlocked as he was in and out during the day. Later, he found the money missing.
  - 4/2 A Dabney House resident had some 40 cassette tapes stolen from his drawer. The room was kept unlocked.
  - 4/2 A student parked his Toyota Celica in the West Wilson parking lot. When he returned on 4/3 his car had been stolen.
- CRIME BEAT EDITOR'S TOP PICKS FOR INCIDENTS:**
- 3/11 On three separate occasions (3/11, 3/12, 3/25) Mr. Hatti, the gym supervisor, called security to accost suspects who were using facilities. On each occasion, at least one suspect was qualified to use facilities, but had no ID. Moral: bring your ID when you use the gym or other facilities.
  - 3/14 A suspicious person was observed playing video games in the SAC. Caltech security was called and officers located him in the laundry room. However, the suspect turned out only to be a grad student.
  - 3/16 A student was walking between the gym and California Blvd. when she encountered a man wearing only a shirt, sitting in his pick-up truck. The truck door was open and he was observed manipulating his penis. As the witness walked, the man drove off.
  - 3/24 A woman returning to her car parked in the Ath lot found the sunroof and left window smashed. A piece of brick and a piece of concrete were found inside the car. Caltech security believes that there may be a correlation between the smashed windows and the concrete and brick inside.
- Total dollar value stolen since the last time I wrote the Crime Beat (4 weeks): \$37,739.

INSIDE

**Another Great Hockey Article**

page 8

**Marathon Ascit Minutes**

page 3

**Jim's Journal**

pages 4,5

# Letters

## A Late Quiz

re: Quiz Time;  
An Open Letter to Dan Langdale,  
Director of Admissions

Dear Mr. Langdale:

Please pardon me for turning in my quiz late.

- 1) I find neither surprising.
- 2) Yes
- 3) B
- 4) No.
- 5) No.
- 6) Caltech
- 7) Living on some other planet.

By the way, I just love surveys where they telegraph the "right" answers by careful phrasing of the questions and/or responses (reference to question 6).

B is a cause for great concern. While I wouldn't necessarily consider the assertiveness of New Yorkers to be a laudable attribute; that they, or anyone, should be cowed for fear of violence is outrageous. Questions 4 and 5 make me wonder, though, do you see such connections? I infer that you do, and that leads to my answer to question 7. In B we have violence, threatened and real. In A we have a bit of vulgarity, perhaps some profanity, and certainly lots of irreverence. I would not agree with an assertion that A leads to or even suggests B.

Having read your March 2nd letter I'd have to say that the editor's response is right on the mark. *The Tech* is not "our official newspaper". Being an alumnus, it is no longer mine, and being staff it is certainly not yours. I hope you don't feel that I'm trying to put you down, or unfairly exclude you. The use of "our" assumes that *The Tech* is a campus newspaper, of, by, and for the entire Caltech community. Given the appearance and distribution of *The Tech* that is not an unreasonable assumption, but *The Tech* is written, managed, and funded by the students. I, for one, wholeheartedly support the proposition that *The Tech* is by, for, and of the students, and particularly the undergraduate students, since it is they who have labored to create and sustain it.

There have long been concerns about the contents of *The Tech*, and what effect it may have upon current and/or prospective students. I remember letters with similar protests in issues dating 10 and 15 years ago. Back then it was *The*

*Hot Throbbing Rivet* which caused consternation and concern about its foul language, irreverence, and nude centerfold; now it is the "Inside World". Today, as then, the validity of those concerns depends upon the perceived status of *The Tech*. Whenever someone perceives *The Tech* an official something-or-other, there are concerns about how it will affect some particular kind of supposed reader. I don't doubt that there may have been "disturbing" incidents where a parent or prospective student read something in *The Tech* and some undesirable result followed. But undesirable results are a fact of life, and changing the character of *The Tech* is as likely to have worse results for the students as it is to have better ones for the others.

The suggestion that *The Tech* be expunged of all things that should not be seen by outsiders, and that a new, semi-secret publication be produced only for insiders, is absurd. At once there would be no more *Tech*; for why would the students bother with writing for a paper for someone else to read? And then the insider publication would respond to the needs that *The Tech* fills by taking on the form, the bulk, and eventually the traditions and distribution of *The Tech*. And so the inevitable complaint about inappropriate messages would be heard again. That approach would destroy a lot that is good, and provide no solution to the inherent problem.

If the problems caused by outsiders reading *The Tech* are really as serious as some suggest, why not limit *The Tech's* circulation to just insiders, making it the "weekly living group newsletter"? This I think is overreaction. To prevent a rather speculative harm this would inflict two real harms: *The Tech* would be denied the patronage of alumni and others who subscribe, and those outsiders would be denied whatever enjoyment they get from reading it. As Mr. Kister (wonder rhyme, there, [Actually, it doesn't rhyme -ed.] and did he?) points out, readership is voluntary.

I believe that the burden of "broadcasting an appropriate message about Caltech" is completely inappropriate for a journal written by undergraduates. It is much too self-important a role. Let the administration write its own brochures, and let the undergraduates have their fun. If the paper

offends its own community, they should learn to fix it, or live with it. In extreme cases that can involve the Honor System if some individual feels unfairly treated; but to invoke the Honor System for every incident of bad taste or rude behavior would make a mockery of its importance.

If the paper offends an outside community, so what? Newspapers, particularly their letters and editorials, can be offensive, and frequently are offensive to at least some of their readers. Items in *The Los Angeles Times* offend me sometimes, and cartoons by Conrad more often than not. I certainly don't think *The Los Angeles Times* broadcasts what City and County officials would call an appropriate message about L.A., nor do I think it is an "honest" representation. People who are overly impressionable have little business reading newspapers, or watching TV news for that matter. You simply have to give the readers credit for understanding the context and limitations of the media. Readers who lack the insight to know when they don't share the context are hopeless cases.

Sincerely,

—Shal Farley  
BS '80, E&AS

## Honor System

To the Editors:

I feel that I was misrepresented in the article "Honor System Talk" appearing in the March 9 edition of the *Tech*. I do not think abstracts of cases should be published, even with the names of those involved omitted.

This is a very small campus; many people would be able to guess who was involved in the case. Worse yet, they might guess incorrectly. The secrecy of Board hearings is meant to protect the accused, the victims, and the witnesses.

There is a stigma attached to being accused of an Honor Code violation, even if that person is acquitted. If that person is found guilty, the BOC considers very carefully how the community can be protected. If the BOC allows that person to remain at Caltech, it is because the Board members believe that person will not violate the Honor Code again. Also, in such a small community, witnesses often know the accused. It is difficult to

testify against someone we know; people are much less likely to come forward with evidence if their identities are going to be revealed.

Also, if they know someone will have to bear some sort of stigma, witnesses to a violation might be less likely to report it, especially if they think it is something unimportant or a one time thing. It might not be. We have no "police" for the Honor Code. We rely on each member of the community to report violations and offer testimony.

If people feel a need for more information about the Honor Code or the BOC, one profitable solution might be after-dinner discussions in the Houses, with House members and members of the BOC. After our frosh BOC talks, most of us never really have an opportunity to ask questions about the Honor Code or the BOC. This needs to be changed.

—Catherine Hafer  
Fleming rep., Board of Control

## No Names

To the Editors:

As you are no doubt aware, the second session of the 1990 Community conference, held on the second of March, was devoted to an appraisal of the Honor System at Caltech. The members of the panel that channeled the proceedings at that event would like to take this opportunity to present the principal concerns that they saw emergent from the conference and some of the recommendations that they will be making.

Secrecy:

It was clear from the proceedings that there was serious concern on the part of some graduate students and faculty that unless the BOC and GRB functioned in less secret ways they (the grads. and faculty) had no way of determining whether or not the Honor System was in fact functioning.

The panel does however respect the current point of view that secrecy must be kept (1) for the defendant in order to preserve his rights in the community if he is allowed to remain within it and (2) for the witnesses in order that they not refuse to bring information to either board.

The leaving Chairman and Secretary of the Board of Control informed us that they proposed to write a column in this newspaper

that might contain abstracts of cases heard by either Board. The panel endorses this, provided that sufficient care is taken not to compromise the secrecy of (1) or (2) above and also that some sort of binding precedent is not established for either board.

**Honor System & non-student members of the community:**

The panel viewed with some concern the apparent lack of understanding or appreciation of the Honor System on the part of some non-student members of the community.

(a) The panel appreciates the effort that President Everhart began to orient new and visiting faculty to the Honor System. We hope that it will continue.

(b) It is proposed that the current Honor System handbook's scheme be revised and expanded. It might be helpful to design a set of handbooks that each cover the relationship of the Honor System to a single activity as opposed to having handbooks targeted at var-

continued on page 3

## THE CALIFORNIA TECH

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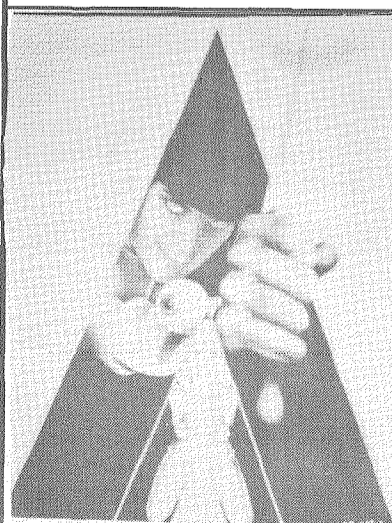
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# Letters

from page 2  
ious subgroups of the community as we currently do. Thus we might find the handbook on "Setting and Taking Exams" rather than the "Handbook for Faculty". Such handbooks should cover activities of interest to the faculty and staff as well as to the students.

(c) It is also proposed that the Chairman of the Faculty might be requested to reemphasize the importance of the honor system to the present faculty.

(d) There was concern that though the Honor System nominally covers all members of the community there is no established mechanism for dealing with possible violations by a member other than a student, short of the grievance procedures. The establishment of such a system ought to be considered.

(e) The apparent unwillingness of some members of the staff and faculty to bring cases to the attention of the BOC or GRB was noted with concern. It is hoped that some of the measures here will alleviate the situation somewhat: in particular the publication of past cases and the expansion of the handbook system.

### Due process and Jurisdictional questions:

The following matters were discussed in the context of administration of the Honor System.

(a) It is recommended that a former committee be reconvened to study the possibility of establishing a framework in which to define the jurisdictions of the various administrative bodies of the Honor System.

(b) Questions were raised as to the relationship between the Honor System and the law of the land. The panel does not feel that the current situation is in need of overhaul, but perhaps could be presented somewhat more clearly. The Honor System and the law are completely independent. Reporting a crime to the civil authorities that might also be a violation of the Honor System does not remove one's responsibility to inform the GRB or BOC and vice versa.

(c) The position of the Honor System with regard to laws and liabilities to which the institute is sub-

ject also requires clarification. This task is delegated to the authors of the revised Handbooks.

(d) The student house rules under which the Undergraduates live appear to us to be in need of review. Their position with regard to the Honor System also needs to be better defined.

(e) The panel is deeply concerned by an incorrect belief that the Honor System is confined in its jurisdiction to academic areas. This should again be addressed in the new handbooks. The BOC has also expressed its willingness to address each of the undergraduate houses on this and other issues in the spring term. A similar mechanism for other groups on campus is hoped for.

(f) Finally, concern was expressed about the severe workload that the board of control functions under. The panel therefore offers the following proposals to the BOC and undergraduate community.

(1) The BOC may adopt a GRB-like panel structure, whereby a case is tried by a relatively small panel chosen from a large number of undergraduates on the board.

(2) The preliminary investigation stage of the hearings may be conducted by any two members of the board instead of just the chairman and secretary as at present.

This is a preliminary summary of the impressions of the panel. Further recommendations might be made in the future should this be needed.

Yours etc.

—Arden Albee  
Alan Blanchard  
Christopher Brennen  
Jerry Hauck  
Peter Fay  
Mark Fey  
Kate Loomis  
Ben Rosker  
Maneesh Sahani  
Bob Sweeney  
Craig Volden  
David Wales

write for the Tech.  
write for the Tech.

# Mozart Tonight

by Delores Bing

Ask any classical musician for his or her shortest list of favorite composers, and Mozart will undoubtedly be at or near the top. And thanks, in part, to the success of the movie *Amadeus*, Mozart is now known to some who may never have ventured inside the confines of a concert hall. Paying homage to this giant in the history of western culture, the Caltech Chamber Music Ensembles and Caltech Chamber Singers will present the fourth annual "Evening with Mozart" tonight and tomorrow at 8:00 pm in Dabney Lounge.

This year's Mozart concert will include works written in the composer's earliest and latest years, as well as one work from his 29th year. Undergrads Mary Rowe, flute, and Julian Chen, piano, will begin the concert performing a sonata which Mozart composed at the age of eight.

Another of Caltech's Chamber Music Ensembles—graduate students David Koerner, violin; Karl Irikura, viola; and Stanley Grant, piano; joined by staff member Elizabeth Wood on cello—will play the "Piano Quartet in G Minor, K. 478." Mozart, then 29 years old, composed this quartet in partial fulfillment of a commission to compose six piano quartets for publisher Anton Hoffmeister.

Concluding the concert will be the *Requiem*, chronicled quite incorrectly in *Amadeus*. It is true that it was the composer's last work. However, there is no evidence to substantiate the movie's claim that arch-villain Antonio Salieri sat at the foot of the composer's bed while Mozart dictated the *Requiem* with dying breath. The *Requiem*, which was, in fact, completed by Mozart's student Franz Xavier Süssmayer, will be performed this weekend by the Caltech Chamber Singers and Orchestra, directed by Don Caldwell.

You may purchase tickets for the Mozart concert at the Caltech Ticket Office or at the door. Student admission is \$3, a small price to pay for an evening with Wolfgang Amadeus Mozart.

## The Inside World

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

**Blacker:** Ben Smith  
**Blacker2:** Noam Bernstein and Walker Aumann  
**Dabney:** Rich Zitola  
**Page:** No author, no print  
**Ricketts:** Joe Dadek  
**Ricketts2:** Dan Dilling

Blacker	25	18	1	1
Dabney	38	18	2	2
Fleming	20	18	0	0
Lloyd	27	13	0	0
Page	15	18	0	0
Ruddock	33	12	0	0
Ricketts	23	25	3	3

### Blacker2

In a spirit of goodwill toward Housing, we'd like to report the following damages: 1. The stop light on the exit to Tommy's was flashing red. 2. 5A blew a tweeter playing the soundtrack to *The Wizard of Oz*. Dorothy and the Wicked Witch of the East to be charged. 3. No one's tipped the waiters yet. 4. The Permafrosh isn't. 5. Hemlines are going down. (*biting social commentary*) 6. The mayor of Moose Jaw, Wisconsin outlawed the use of the phrase "Nice house you've got there - be a shame if it were built on a fault line" in any official town document. (*biting political commentary*) 7. Dave Kim is a weenie (*biting off more than we can chew*) 8. The fire alarms in the Dining room fail to detect large amounts of smoke.

Reasons why members of Blacker Hovse shouldn't have come back: Hoyt: A satellite will inevitably fall in Pasadena, completing the Camaro's supersymmetry. Samantha: Must now endure smog, instead of the clear fresh air of whitewater rafting. Dave: has to put up with us.

We'd like to dedicate this song to you, Dave —  
I hate people who make you feel small  
I hate having my back against the wall  
You know I hate bein' talked down to.  
I hate your rules  
I hate them all  
Hate being marked to take the fall  
Planet's not big enough for me and you  
But most of all  
I HATE YOU  
"I Hate"  
Overkill

—The\_\_Years\_\_of\_\_Decay\_\_  
Dan: why bother? Craig: [see Dan] Rich: How's he going to survive the Black Hand and the Shitkickers of Antioch in one term? That's gotta suck. Jen Wright: [see Rich] Ben Holland: Whatever reason he has, it's not New Hampshire, that's for sure. Marty: why would anyone want to leave such a wonderful state as Texas? (Or New Hampshire, for that matter). Bonnie: [see Marty] Alan: Too hot in California. Bill: It's so much cooler in Alaska. Todd: 'nuff said. Us: we have to write more inside worlds.  
see ya next week, dammit.



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"Canterbury Tales"  
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Beckman Auditorium  
CIT Faculty, Staff: \$10.00 - 8.75 - 7.50; Students: \$7.00

**SANDRA REAVES-PHILLIPS**  
"The Late Great Ladies of Blues and Jazz"  
Saturday, April 7 / 8 p.m.  
Beckman Auditorium  
CIT Faculty, Staff: \$11.25 - 10.00 - 8.75; Students: \$7.00

Call campus extension 4652 for details.

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	Starts April 13: <b>Camille Claudel</b>

The Inside World

Ricketts2

Episode IV: A New Joke  
Mac-2-D-2 and CPU-O contain the vital

Chem3 readouts necessary to destroy the Dreaded Lab Requirement.

They landed near our farm and sent me into the desert, where I met Guru Kenobi, Grad Knight. In the desert home he had made for himself, Guru told me that we would have to go to Jorgeran, to use the readouts and help Princess Leah in her hour of need. "I can't go with you, Guru, I have friends at high school, and the harvest is coming, my parents need me," I complained.

"But Duke, I need you. I'm too old for this sort of thing," he said kindly. "But aren't you a mighty head boot-or, a Grad Knight?" "The Grad Knights were the masters of the Farce, as was I long ago, during the Throat Wars. The Farce is a learning field, created by all students everywhere. The Farce surrounds us and binds us. To escape from it, one must study the Farce and truly become a Grad Knight."

"Like my father was?" "Yes, your father was a great pilot and a good friend. When I met him, I was impressed with how much the Farce was with him. I decided to teach him a Clue, so that he might become a Grad. A young student named Dense Vader betrayed and murdered your father."

"I want to learn the ways of the Farce and become a Grad like my father." "And you will, young Duke Phlikker." We went back to my home, only to find it flamed by soldiers. "These blasted points, too picky for sophomen, only Administration soldiers are so precise," he said sadly. I had nothing left there. My parents dead and high school burning, my teacher and I prepared to leave Smoggoine, the planet of my birth. We went to the spaceport to catch a ship to Jorgeran. "There it is," said Guru, "MolesAlleys, never was there a more wretched hive of scum and villainy. Yet, here we can find a pilot that might suit us." Coming in, Administration security saw us and stopped us. Guru smiled slyly and said "You don't need his I.D. card. He's not PNGed."

"We don't need his I.D; he's not the frosh we're looking for," said the soldier. "We can go about our business, move along," muttered Guru.

"Move along, move along," The soldier waved us onward.

"Weak minds are easily influenced by the Farce," explained my bearded teacher. We went into the Catalina, which was filled with aliens of every description drinking liquids of every kind. Kenobi met a big, silent wookiee named Ross and went back to the "Dante" booth. I was just about to ask for a drink when a hideous Fru tapped my shoulder. "He doesn't like you," said the Fru, pointing to the tusked Phlem behind him. It growled softly. "I don't like you either," continued the Fru, "Better watch your step, I've been showered in twelve systems." "I'll be careful," I said.

"You'll be wet!" yelled the Fru. "This little one's not worth the effort," said Guru, laying his hand on my shoulder. The Fru yelled and suddenly Guru pushed me to the floor. I heard him say "Boot to the head," and it was all over. The Fru lay on the floor, his head swelling to watermelon size. "Now," said Guru, "this wookiee knows a pilot that will take us."

"Hands Solo, pilot of the Molybdenum Phallus. What's the cargo?" "No cargo, just passengers. Is it a fast ship?"

"You've never heard of the Phallus? It covered the Tommy's Run in less than twelve minutes. Sure, it's fast enough for you, old man."

"Four passengers, and no Administration entanglements."

"That's the trick, isn't it? And it's gonna cost you, three cases of beer and a bag of pretzels."

I protested, but Guru bargained, promising a case now, and six when we got to Jorgeran. Solo took it, and gave us the dock number and time to leave. As we stood to leave, a greenish alien with yellow hair drew a pistol and said, "Going somewhere, Solo?"

"Guido," said Solo, "I was just about to tell Gari the Glutt that I've got the money."

"It's too late for that, you should have paid your housebill when you had the chance. Now, I've been waiting a long time for this."

"I'll bet you have," said Hands as he blasted the Treasurer and "made him woman."

-Next Week: The Trip To Jorgeran

Dabney

I don't understand. Is it really third term already? Well, along with the standard New-Term's Resolutions come a few predictions for the coming weeks:

1. Steve Anderson will flame. As flake-master of the Universe, this would seem intuitively obvious. Now that he's Marine Biologist, he'll probably disappear in a cloud of steam (for the clueless... steam is made of WATER... JON!)
2. BC will get worse (intrinsic property of the Universe)
3. The jai-alai tournament will include 3 players.
4. Dave Edwards will die in a bowling accident.
5. Carlos will discover that he CAN'T do something on the NeXT.
6. Jill will develop a deep, resonant voice for the purpose of offering TEA!!!!!!?
7. Seth will have yet another roommate (it's your duty, Brad)
8. ZAR will be banished as a menace to the Caltech community.
9. Rob Hanna will toss another potato at Chris Brennen and will miss... again!
10. And last but not least - Benture will get a top of class roompick and will choose room 17 as a single.

Have a good third term....

-zee

Jim's Journal

Today I worked on the cash register at the bookstore.



Hardly came in anything

3 5



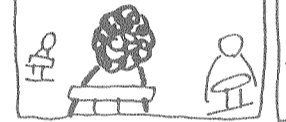
Jim's

In my history we learn The Grad



by

There was someone sitting in front of me with curly hair who I imagined having a round face with big glasses.



But at the class when she look any what I im



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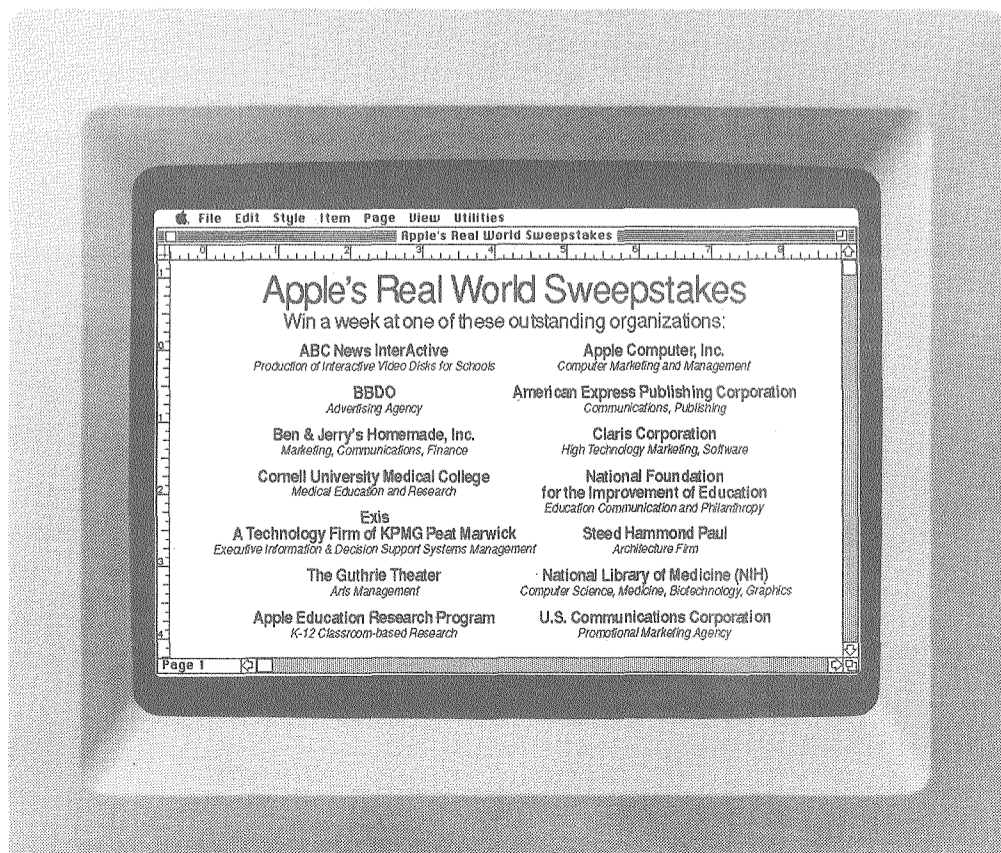
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The Inside World

The Inside World



Journal



Jim



Blacker

The Squadron leader turns his airplane for final approach on the small tarmac landing strip. Even though his Spitfire has many bullet holes in the wings and engine housing, he lands safely. His wingman lands right behind him.

After taxiing the Major finds most of his Squadron, the 257th Blacker Squadron waiting on the edge of the tarmac. Many of their planes have been damaged. As he climbs out of his cockpit, he looks over at the end of the runway. A Spitfire wobbles on its final approach. The heavily damaged plane hits down on its landing gear a little hard. The right wheel explodes and the gear collapses. The right wing strikes the ground just as the propeller bites the ground. Dirt flies. The plane skids to a halt. It's pilot jumps out and runs. The plane burst into flames right behind him. Close too close, thinks the Major.

Slowly, in twos, threes and fours the rest of the Spitfires return. One group of three remains in formation as it flies low over the the landing field. The lost man formation.

Later, in the pub, the major thinks back over the days action. Three pilots lost. Three more lost in the war with UHASH. Some of the pilots saw their friends die, their descriptions still echo in his mind. "McDonald was chasing a Ph 1. Just as he nailed 'er, a Ph 2 bounced on him from above. Pieces fell off his wing and glycol was streamin outa 'is engine. Then his Spitfire burst into flames and crashed." "Any 'chute?" "No."

"Anyone see the others go down?"  
"I saw the new lieutenant's plane explode in a fireball."  
"And I saw the third Spit pancake into a hill. I think I saw a 'chute, but then I had 108 to deal with."

We got some newbie trainees coming through in a few weeks, continues the major's mind, and maybe we'll have replacements rotate through next fall, but until then we're on our own. And we're slowly dwindling.

The major looks across the crowded room. His pilots are watching clips from their gun films and tallying their completed kills and their maybes. Credit for wins and flames for those who didn't make it. . . . Countless days of grungy, tiring studying, patrolling and fighting to survive with only a few hours of sleep at night. No wonder they flick off so much in their free time.

The Major looks around the room. He stands up. The voices drift into silence. He lifts his pint and calls out, "For the fallen, those who went down in flames, let us remember and continue the fight for them."

The men raise their pints with their leader and drain them in silence. Meanwhile Malathion falls on Tech and UHASH plan for the next days attack.

Ricketts

Welcome back from break, everyone! I hope you all had a good time. At least those of you who actually finished second term by the end of finals week.

The highlight of my vacation was surely visiting State U. to scope the place out as a grad school. I got to meet Professors Jargonmaster, Helpful, Our-Research-Groups-Study . . . , Maybe-You-Should-Go-to-other-State- U., and Anti-Jargon. I talked with a couple of the grad students, both of whom warned me to avoid the dorms like the plague and get an off-campus apartment, and an ex-Teacher who told me how great it is to live in the dorms with the hordes of fabulous babes. Having seen the dorms, I think I'll take the apartment route if I go there. To each their own.

Also during the break, Su-Lin discovered that all of the hair on her head was weighing it down and stunting her growth. With her new hairstyle, she should be looming over Jason McElroy in no time.

Ricketts House has learned the error of its ways and has given up the pinkie commie socialist programs of Guido and Vito, returning to the glories of private-sector capitalism which is sweeping the world. Of course, these transitions result in higher prices, but that's the cost of joining the modern age.

When you read this, the great social team and food rep House Meeting of Doom will be over, and the dust will be settling. I predict that Angus will win by a landslide.

Be on the lookout for hordes of Swedish chef fans invading the lounge over the next few weeks. Oh, sure, they claim it's just Middle English, but it sounds a lot more like Mock Swedish to me.

I saw *H.M.S. Pinafore* recently, and now I know what they mean about the end of an opera. "I'm called little Buttercup. . ."

-The Physics Messiah

Due to lack of space, we could not print all of the Inside Worlds. Since Page house did not submit an authors name (this is required) and theirs was the longest, theirs will not be printed until next week.

If we do not have room to print all of the Inside Worlds, then we will leave out multiple entries from one house, or excessively long inside worlds. All letters and Inside Worlds must have an authors name.

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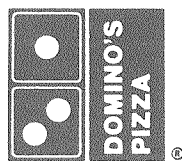
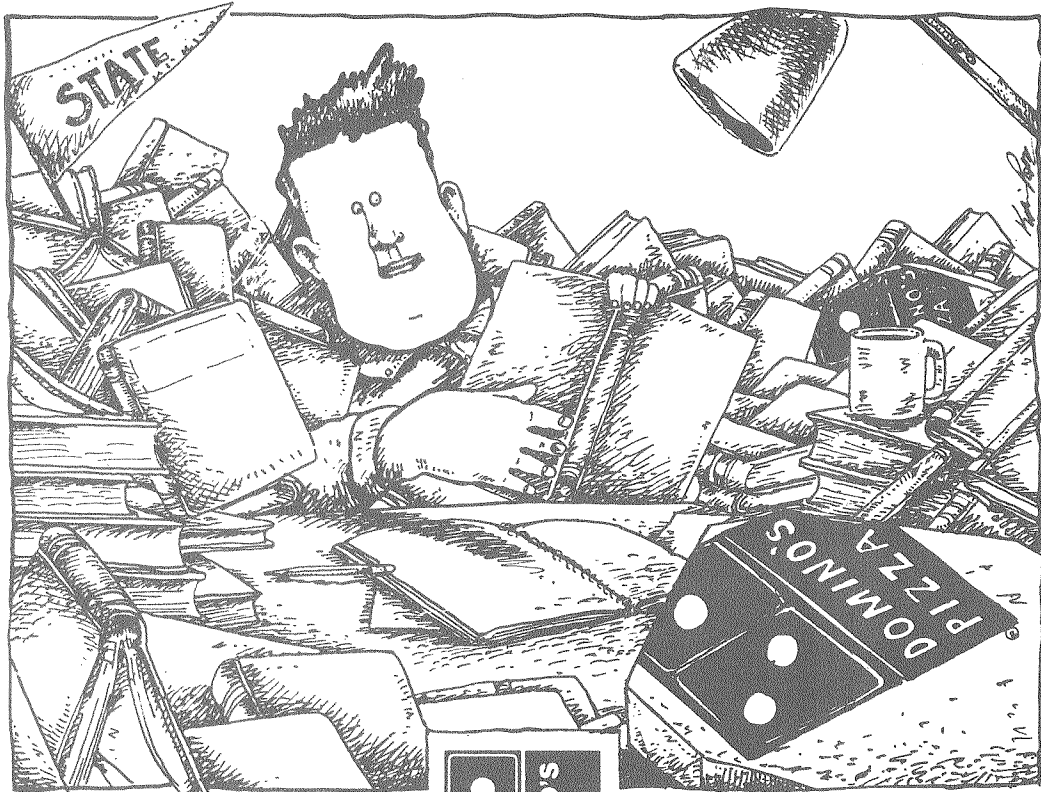
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## Ascit Minutes

of the meeting on April 3, 1990

**Present:** The ASCIT BOD, Matt Fields, Alecia Chen, Emily Wen, Marty O'Brien, Paul Socolow, Sonny Arcilla, Gavin Claypool, Gary Eastvedt, Rich Reid, Jon Hamkins, Dwight Berg, Craig Sosin, Curt Hagenlocher, Glenn Tesler, and our special guest: Barbara Green.

**Appointed Offices:** Craig Volden submitted a new Resolution IV - Appointed Offices. This new resolution basically eliminates the unnecessary appointed offices and simplifies the nomination process, and was passed (7-0-0). Signups for appointed offices will go up on the MOSH's door before Friday, April 6 and remain up until Tuesday, April 17. Final interviews and appointments for these offices will be at the ASCIT meeting on April 17 at 10:30 p.m. There will be an announcement in the *Tech* on the next Fridays.

**ASCIT Teaching Awards:** Begin thinking about teachers and TA's you wish to nominate for teaching awards. More information to come later in the term.

**Biodegradable Balloons:** Some junior high school in northern California wrote a letter to ASCIT asking for our support of a bill that will require all balloons to be biodegradable. Apparently normal balloons kill dolphins. The BOD isn't environmentally concerned and is willing to let this matter die, but Bill is highly saddened by the fact that balloons kill dolphins for he is writing some letters to congressmen. Anyone wanting more information about this outrage contact Bill Swanson.

**Copy Cards:** Bill took all the copy cards that Jason Curtis did not read (all of them) and went to Millikan over Spring Break. All the cards were readable except for 6 or 8, and these cards received what estimate the owner gave. The total of all copy cards was \$586.44, and Bill will fill out material transfers for all of these. Copy card tidbits from Bill: Jeannette Woo was the only one out of several hundred to guess the amount left on her copy card perfectly. Someone guessed \$9 on a card that only had \$5 when he purchas-

ed it. Someone turned in a card that only had 28 cents on it. Regarding Millikan being the only source of copy cards for students, they will not sell \$5 cards, but that should not be a problem. If your card gets eaten take it to Millikan.

**Budget Stuff:** Budget questionnaire will be placed in house lounges along with ballot boxes. Everyone should take time to fill these out. Budget proposals will be available outside room 210 in Page House. These proposals must be turned in by Friday, April 13. The ASCIT budget meeting will be held Saturday, April 14 at 4:00 p.m. in Millikan Boardroom.

**Big T:** The 1989 Big T cost \$32,000 and \$18,000 has been paid leaving \$14,000. Presently there is \$3,000 in the bank, \$1,000 in just collected ads, and a possible incoming \$1,000 from JPL and GNP. So the Big T has to raise either \$9,000 or \$10,000. If ASCIT can guarantee that the loan will be repaid, the institute will give the Big T a \$10,000 interest-free loan to be repaid at either \$2,500 a year for 4 years, or \$2,000 a year for 5 years. The guarantee is either the raising of Big T dues by \$2, or proof that ASCIT can cut their budget to pay off the loan. The BOD approves (7-0-0) a guarantee that if the dues increase does not pass, ASCIT will pay for the loan out of their own budget. Should ASCIT go to the Service League for money? 3 BOD members say no, 5 say yes. Bill says, "If IBM could get money from the Service League, they would." Pam's dad says, "Don't be afraid to ask, the worst they can say is no." Barbara Green says that in the administration's eyes it would not reflect badly on ASCIT to go to the Service League. In addition to the vote for dues increase, the Big T will also go to the Service League.

**Election Stuff:** Jon Hamkins did 6 elections and the printing of ballots cost \$170.10. The BOD votes (7-0-0) to pay Jon.

**Dwight Berg:** Dwight needs funding for an item related to the gym. So far he has received \$125 from the Service League, \$125 from the Caltech Y, \$100 from the Deans, and he is also going to GSC, the Athletic Department, and the Student Investment Fund. Dwight asked for \$100, and he will come back after our budget meeting for a final decision.

**Noontime ASCIT Meeting:** For interested faculty and staff, there will be an ASCIT meeting at noon, Tuesday, April 24 in Clubroom A in Winnett.

**The California Tech:** General discussion of the proposed compensation schedule. Bill is genuinely offended that Sonny is asking for \$25 a week for jobs that Bill perceives as nothing. Proposed expenditures for the *Tech* include \$350 speakers and a \$1000 copier. The BOD expresses disapproval of buying a copier, "The ASCIT copier is right outside your office." Sonny says, "Just today, I found three new uses for a copier. Dave: 'Kind of like uses for a peanut, right.'" Pam starts reading *Mellow Mail*. Jason: "Sonny, when did you become jaded and want to rake in the dough instead of doing the job for fun?" Frustration on both sides mounts. Dave starts cursing more, and Sonny just wants us to approve it. Pam goes to sleep. Sonny's proposal for the editor's salary was made without consulting the editors so the BOD is unable to approve that. The BOD votes (6-2-0) to approve the salary for the business side. **Next meeting:** The next meeting will be held Tuesday, April 10 at 10:30 p.m. Free food for all in attendance

## what goes on

### Relaxation Workshop

Over six weekly one-hour sessions, Dr. Jon Pedersen will teach interested students a variety of relaxation techniques aimed at the management of daily stress. The workshop will include some video and lecture materials but will primarily consist of individual exercises in relaxation techniques including muscle tension, imagery, passive and active concentration, and an introduction to non-mystical meditation. The focus of the workshop will be on practical methods for everyday use, which can be learned quickly with practice.

The workshop will begin on Thursday, 12 April, from 5-6 pm and will continue for the next five weeks. If you are interested, please contact the Counseling Services at 356-8331.

### Submit To The Totem

An effort is now underway to produce another issue of the *Totem*, the Caltech literary magazine. In the past, the main barrier to publication has been profound apathy (i.e., submissions have been about a tenth that required). This is a plea for all interested students to submit their art, poetry, and short fiction or, at least, to offer suggestions. Please include your name, campus address, and phone number. Submissions to Ben Schaeffer, 1-59, x6173.

### SSSSP Tutors Needed!

The Summer Secondary School Science Program will be needing tutors from June 25th through August 9, 1990. The hours are from 9 am to 3:30 pm, Monday through Thursday. Needed are: 4 tutors teaching molecular biology, and 4 teaching chemistry. First preference is seniors, followed by juniors and then sophomores. Applicants may call x6207 or x6208, or visit Lee Browne's office at 107 Winnett Center.

### Back By Popular Demand!!!

It's time once again for the Don Shepard Fun Fund! Come by the Master's office, between April 6 and April 20, to sign up! (If you have received money from the fund this year, please give others a chance by not signing up again.) Who knows... the next winner may be you!!!

### Ballroom Dancing

Caltech Y-sponsored ballroom dancing will start in late April. We need to find out whether there would be more interest in continuing at the level reached last term or starting a new series which focuses on different dances, so new participants can take the class. If you are interested, please stop by the Y and tell us your preference. Classes will be Tuesdays from 4-5 in Winnett. Cost per term: \$20 for students, \$30 for others.

### Attention Clubs & Departments

Pre-fresh weekend is coming up soon! Your clubs, organizations, etc., can benefit by putting up a good display at this time. On Sunday, April 22, from 3:00 pm to 7:00 pm, the Admissions Office will be holding a big barbecue picnic on the north athletic field, which will be attended by the pre-fresh, parents, CIT students, faculty, and staff. We hope to have a Club Fair similar to the one held in the fall for enrolling students. Please contact Jeanine Conneally or Milly Pena in the Student Activities Center, x2935, to let us know if you would like for your organization to attend. You should have already received information prior to this announcement. Let's show them all what Caltech has to offer. Your enthusiastic participation in the event could help persuade some very bright and active people to accept our offer of admission. Contact us NOW!

### Renaissance Pleasure Faire

Tickets available at the Caltech Y for \$10.50 (reg. \$14.50). The Pleasure Faire runs weekends from April 21st through June 10th, 9:00 am to 6:00 pm, plus Memorial Day. Stop by the Y for tickets, information and directions.

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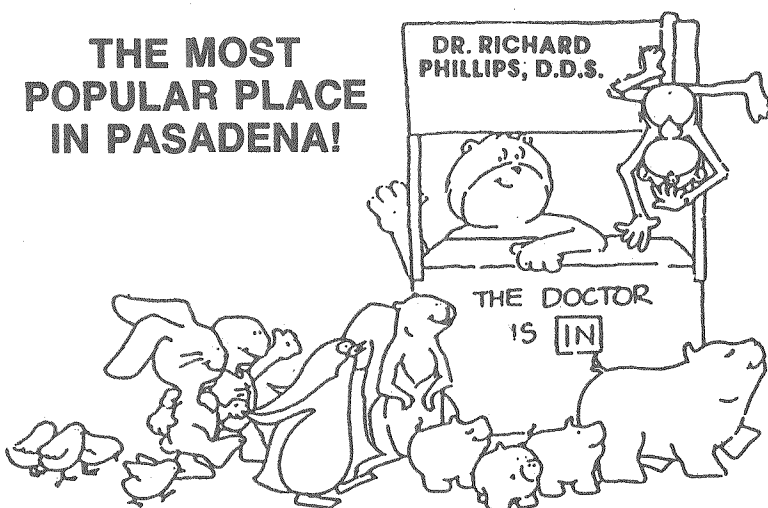
## More SEDS News

The Caltech chapter of SEDS, Students for the Exploration and Development of Space, has a busy month ahead. On the 14th, we will be going to Palomar Observatory for the grand tour; members interested in this tour should contact Sonny Arcilla at 577-4423.

The Space Shuttle will be landing at Edwards on the 15th (that is, if it goes up on time!) We'll be sending a group to watch that return.

The next general meeting of SEDS is April 24th.

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For information and reservations,  
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at (818) 447-2003

# 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.

## True Peacemaking in S. Africa

Come hear the Rev. Ivor Jenkins on Monday, April 9th from 4:00 to 5:30 pm in the Caltech Y Lounge, speaking on his efforts to bring peace to South Africa. Jenkins is an Afrikaner who recently received an International Peacemaking Award for his work in South Africa. This event is co-sponsored by the Y and the Center for South African Ministry at All Saints Episcopal Church.

## Real Horses!

That's right—real horses, real trails. Just sign up in the Y and pay \$6, then show up at 7 am tomorrow for an hour of fun and freedom far away from Tech. You don't even have to know how to ride.

## Let The Games Begin

Every Friday night, the Caltech Gamers meet to enjoy role-playing and board games. Friday meetings are in Winnett Clubroom 1 at 8:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to find players to share whatever games you like.

## Summer Fellowship Program

The Dept. of Pharmacological Sciences School of Medicine at the State University of New York at Stony Brook has a limited number of summer fellowships available for outstanding undergraduate (Junior) students interested in eventually pursuing graduate studies in the Pharmacological Sciences (Pharmacology-chemical, biochemical or physiological, Medicinal Chemistry or Toxicology). The fellowships cover a period of approx. ten weeks and pay a stipend of \$2,000.

If you would like to be considered for such a position, please indicate your interest in a letter addressed to: Dr. Moshe Eisenberg, Director, Summer Fellowship Program, Dept. of Pharmacological Sciences, School of Medicine, State Univ. of New York at Stony Brook, Stony Brook, New York 11794-8651.

Also, submit a transcript and two letters of recommendation. Deadline is April 15, 1990. For more information, contact the Deans' Office, 102 Parsons-Gates.

## Environmental Task Force

The Caltech Environmental Task Force meets this Wednesday at noon in Clubroom 1 (above the bookstore). The Trash Club meets Fridays, 2-3 pm at the recycling center north of Beckman Auditorium. Volunteers to drive trash to the recycling center every few weeks are still needed.

## Off Campus Housing Lottery

The last day to turn in the blue lottery cards for fall housing is April 13, 1990. Turn in your cards to the Master's Office if you want to participate in the off-campus lottery!

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Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

## Need a Nice Class?

There is still time to sign up for MU 53 (MW 1-2:30)—“Music of South Asia.” It is an examination of the intellectual and artistic foundations of the music of the Indian subcontinent, including India, Pakistan and Bangladesh. No musical background required. See the January 26 issue of *The Tech* for more details. Call Prof. Catlin at x3614 if any questions.

## 1990 Census Reminder

The Caltech Y would like to remind you to fill out your 1990 Census forms now, and in pencil!

## Laserium Tickets

A limited number of tickets for the Saturday, April 21st 8:45 pm laser light show (LASEROQ) are available for \$6. Stop by the Caltech Y (2nd floor Winnett)

## Clippers vs. Trailblazers

This promises to be a great game on Monday, April 16th at 7:30 pm. Tickets are \$10 each (reg. \$13) and limited—that means get to the Caltech Y quick!!

## Approaching Your Dreams

Though most of us spend 1/3 of our lives sleeping and about 2 hours per night dreaming, we often disregard our dreams as meaningless. However, those who take the time and learn their language have found their dreams to be an invaluable resource of creativity, self-awareness, and personal guidance. This has been true across all cultures and ages.

For those wanting to benefit more from their own dreams, Dr. Jon Pedersen will be leading an 8-week seminar covering: ways to remember your dreams; introductions to dream theories; and skills to better understand one's own dreams. Though many theories abound, a phenomenological (i.e., non-theoretical, descriptive) approach will be emphasized. Fairy tales, myths, videos, and articles will be used in this discussion setting. Sharing of one's own dreams will be voluntary only.

Sessions will begin Tuesday, 10 April, from 5-6 pm. If interested, please contact the Counseling Services at 356-8331.

## Online Schedule of Classes

The Caltech schedule of classes, as published by the Registrar's office, has been added to the online INFO system, accessible via CITnet. A write-up on using the INFO system is available from the CCO Consulting Office, 162 Jorgensen.

## Update on Ae107c Class

During spring term, engineers and scientists from Hughes Aircraft Company will give seminars on *communications satellites*. These seminars will be held in 269 Lauritsen on Mondays, 4-5 pm, and Wednesdays, 3-5 pm. Everyone is welcome. Please note that undergraduate students can register for units. (Graduate status is *not* a requisite: the Caltech catalog is *wrong*). For information, call patrick, x4789.

## Off-Campus Folkdancing

Join the Pasadena Folkdance Co-op every Friday evening at 7:30 pm at Throop Unitarian Church in Pasadena at the corner of Del Mar and Los Robles. The club offers beginning instruction at 7:45 pm and intermediate at 8:30 pm. Each month the community is invited to participate in line, set and couple dances from all over the world. A \$2.00 contribution is requested of non-members.

## Career Development News

Travel/study abroad this summer! Many programs are available for students to study and travel overseas this summer. Academic credit is usually available. Occasionally internship opportunities exist. Over 30 countries offer programs. Drop in to see Sheryl Mercer, Wednesdays or Thursdays from 2-4 pm for more information.

Attention Pre-med students! The MCAT materials are now available in the CDC!

Kraft General Foods has 6 summer positions available. Laboratory research in basic food science in the areas of food physical chemistry, biotechnology, or nutrition. Student will execute a research project in collaboration with scientists and prepare a written and/or oral presentation of results.

850 new Overseas Research Student Awards will be offered on a competitive basis in 1990 to overseas postgraduate students of outstanding merit and research potential. The awards are tenable at many universities in Great Britain. Deadline for application is April 30, 1990.

The Los Angeles Actuarial Club is pleased to announce that it will again offer a \$500 per year Actuarial Award. The purpose of the award is to encourage students to consider an actuarial career.

Turner Engineering Company is looking for an assistant test engineer. The company is providing systems engineering services for Nippon Sharyo, the group building the new light rail vehicles for the 22-mile Long Beach-Los Angeles Rail Line.

For more information, stop by the Career Development Center, 08 Parsons-Gates.

## Badminton, Anyone?

Badminton is played on Mondays and Fridays in the gym, from 9 am until 11 am. Intermediate players (faculty, staff and students welcome). For information, please call Cherrie Leighton, x4915, Division of Biology.

## Morgan Ward Competition

Any Caltech freshman or sophomore may enter as an individual or as part of a group of two or more students. Each student is entitled to at most three entries, of which at most two may be individual.

An entry is to consist of a mathematical program, together with a solution or significant contribution toward a solution. The problem may have any source, but this source should be stated in the entry. The entries will be judged on the basis of the nature of the problem and originality and elegance of the solution. Any outside references used should be indicated.

Entries must be placed in an envelope and delivered to the Mathematics Office, 253 Sloan, during the fourth week of third term. The names of all participants must be on envelope only, not on the entry. Each winner will receive \$75.

Automotive Hall of Fame is offering scholarships for the Outstanding Scholars and Hall of Fame Resume Bank programs and a scholarship from the Hall of Fame's Automotive Educational Fund. Deadline for submitting a complete application is May 31, 1990.

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# scholarships

## Scholarship Listings

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. The office is located at 515 S. Wilson, 2nd floor, phone x6280.

The Planetary Society actively encourages science students through a variety of programs. The Mars Institute Contest is open to students in both high school and college, and college undergraduates are eligible for the College Fellowship Awards. For entry details write to: The Planetary Society, Scholarship Department, 65 N. Catalina Ave, Pasadena, CA 91106. Deadline for completed applications to be received by The Planetary Society for both the Mars Institute Contest and College Fellowship Awards is April 16, 1990.

California Council of the Blind is offering a number of awards to applicants who will enter or continue studies at an accredited college or university in either undergraduate or graduate status. Awards will be granted on the basis of academic scholarship and other factors including financial need. Deadline for application, transcripts and records is June 1, 1990.

The American Petroleum Institute will grant scholarships to students with permanent residency in Kern County. Several criteria used are scholastic ability, financial need and level of school and non-school activities. Deadline for a completed application form and up-to-date transcript is May 7, 1990.

The Society of Women Engineers announce their 1990-91 Freshman and Reentry Scholarship Program for all qualified women students who have been accepted into the engineering curriculum. Deadline for applications and supportive materials is May 15, 1990.

The Polish University Club of Los Angeles, Inc. is offering scholarships to students interested in the Polish/Polish-American ethnic. The filing deadline is April 15, 1990.

The Desk and Derrick Club is offering scholarships to residents of Kern County (but may be attending outside Kern County) pursuing higher education in a petroleum or allied industry-related field. Deadline for submitting an application is August 1, 1990.

AESF Scholarships. Undergraduate Scholarship Program: \$500 minimum per year. A scholarship holder may reapply for a second year, but not for more than two years. A student may apply for any academic year when he or she will be an undergraduate of at least junior standing in chemistry, chemical engineering, environmental engineering, metallurgy, or materials science program where the focus of the curriculum is in surface science subjects. Award selection will be based on, but not limited to: career interest in surface finishing, scholarship, achievement, motivation and potential. Awards are not necessarily based on financial need. Deadline for submitting a complete application and supporting documents is April 15, 1990.

Japanese Government Scholarship for 1990: Applicants must be U.S. citizens between 18-30 years old as of Oct. 1, 1990, third year students specializing in a field concerning Japanese language or culture. Application forms are available at the Consulate General of Japan, (213) 624-8305, attention: Ms. Ildiko Gedeon. Deadline for submitted applications is May 3, 1990.

Orville Redenbacher's Second Start Scholarship Program is for students 30 years old or older at the time of application, be enrolled in either an associate, bachelor or graduate degree program at an accredited college or university and can be either full-time or part-time students. Deadline for application is September 1, 1990.

## Merit Awards

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 by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 32 Merit Awards of full or three-quarters tuition and 18 honorable mention awards of \$3,000 each. The level of awards this year will be determined by the caliber of applicants.

Applications are available in the Financial Aid Office at 515 S. Wilson Ave. The deadline for submitting completed applications to the Financial Aid Office is 5:00 pm on May 4, 1990.

## Ebell of Los Angeles Scholarships

The Ebell of Los Angeles is offering undergraduate scholarships for the 90-91 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, L.A. county residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles county. For more specific information on requirements and application materials contact the Financial Aid Office. All applications and materials are due in the Financial Aid Office by 5:00 pm on May 18.

## Political Internship

The Beckman Internship will be available for the summer of 1990. The internship, supported by friends of Dr. Arnold O. Beckman, will pay a stipend of \$2,600. It allows a selected intern to spend the summer working in the office of a politician and to see from the inside the process of government. The intern is expected to make arrangements with the appropriate political persons. It is open to any Techer who intends to be a Caltech undergraduate next year.

If interested, submit a brief proposal describing where and how you would use the stipend, to the Deans' Office, 102 Parsons-Gates, by Monday, April 9, 1990.

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photo by John Krowas

Dave Braun (3), Herman Cho (5), and Martin Brouillette (17) drive for the net in opening round action against UCLA. Caltech beat UCLA 9-1.

## The End

by Brooke Anderson

"The end?" you ask. "The end of what?" I suppose it could be something like the end of the world or the end of life as we know it. But I'm talking about something even more important: the end of the Caltech hockey season and its attendant playoff games which took place March 24-26.

Yes, the end had it all: emotion, triumph, defeat, violence, intrigue, and even romance. OK, so romance stretches things a little, but there were some women spectators — an unusual occurrence for the Caltech hockey team.

As for intrigue, the Cal Lutheran coach took care of that. Every time we turned around, he was spouting off about how Caltech would have to forfeit a game because we had [insert here the past tense of your favorite activity]. "You'll forfeit the game if you don't put that plexiglass panel back in." "You'll forfeit the game because Dave Braun didn't play in enough regular season games." "You'll forfeit the game if you let Dwight Berg play since he swore at the obnoxious rink manager."

He started to sound like a parrot. "Awk! You'll forfeit the game, you'll forfeit the game! Awwwwk!" Finally, George Yates, the Caltech captain/coach, must have given him a cracker because we didn't forfeit any games.

As for the rest . . . well, one expects such things in hockey (especially the violence).

During the playoff games, Caltech had to beat USC, UCLA, and CSUN in order to make it into the championship game against its hockey nemesis, Cal Lutheran. Caltech beat USC by 3-1, UCLA by 9-1, and CSUN by 18-1 to do just that, to move into the final game for all the glory. Predictably, this was the game that stirred up the most emotion.

To start with, the game was played in Cal Lutheran's home rink, in front of a large audience of rabid Cal Lutheran fans. Caltech had some fans, too, but often their enthusiastic yet sportsmanlike shouts were drowned out by Cal Lutherans screaming things like "Shatter their skulls!" or "Gouge their intestines out!" They're a nice bunch of people, those Cal Lutherans.

Then Caltech had to sit through the long and tedious introduction of all the Cal Lutheran players. . . .

From Zug Island, Michigan,



number 69, Pete 'The Melon Head' Smith!" said the loudspeaker. "Yay!" shouted the crowd. "From Hackensack, New Jersey, number 00, Steve 'Bilge Pumper' Jones!" said the loudspeaker. "Yay!" shouted the crowd. This went on for a while.

Also, even before the game started, during the warmup period, 2 players got 10 minute penalties: a Cal Lutheran player got one penalty for cross checking, and a Caltech player got the other apparently for being cross checked. Being cross checked must violate some new league rule.

Finally, the game started. It was obvious from the start that both teams badly wanted to win, as the action was fast and aggressive.

In the first period, Caltech had several chances to score, but the Cal Lutheran goalie made some excellent saves. Yet Caltech goalie Rob Nickells wasn't letting in any goals either, and, undaunted, the Caltech players played even harder.

Unfortunately, not only did they fail to score, they started to pick up penalties. Caltech got 6 penalties in the first period alone — Cal Lutheran got only 2. It was this lopsided state of affairs that led to the first goal of the game: with Caltech down by 2 men, Cal Lutheran scored.

Then, later in the first period, deep in the Caltech zone, on a pass from Ben Skrainka, Dwight Berg got the puck. He skated left. He skated right. He picked up some speed. He skated around a couple Cal Lutheran players. He skated over a couple more. Finally at cruising speed, he headed for the Cal Lutheran blue line. Noticing that there was only one Cal Lutheran defenseman between Dwight and the goal, Dave Braun raced along the opposite boards. It was now a 2 on 1 break for Caltech.

Dwight headed in for the goal, closing the gap between himself and the defenseman, then began to veer off slightly to the right, hoping to draw the attentions of both the defenseman and the goalie. When the defenseman followed, Dwight had him just where he wanted him and promptly passed the puck to a wide open Dave Braun. The pass was perfect and so was Dave Braun's shot on goal. The score was now tied 1-1.

Caltech and Cal Lutheran fought savagely for the rest of the first period and all of the second

period. But there weren't nearly as many penalties in the second period as the first, and the score remained tied at 1-1. Thus, it was now a one period game.

Early in the third period, Caltech got lucky. After being chased behind the net by Herman Cho and the enigmatic Player X, a Cal Lutheran player coughed up the puck. This is not surprising since the powerful and charismatic presence of Player X has been known to cause a loss of bladder control in laboratory rats and even in some adult humans. The surprising part was that the puck happened to go directly to Dave Braun who was standing all alone in front of the net.

Furthermore, at that moment, the Cal Lutheran goalie was slumped over on the opposite side of the net, oblivious to his imminent doom. Dave wondered for a moment if perhaps Player X had some sort of unnatural influence over destiny, but finally dismissed the matter as pure coincidence (sorry, Time-Life Books) and lazily shuffled the puck into the goal. Caltech was now ahead 2-1.

Cal Lutheran struggled mightily to tie the game, but Rob Nickells and the Caltech defensemen (Dwight Berg, Jacques Belanger, Dave Fort, Dennis Moore, Ben Skrainka, and George Yates) defeated their every attempt.

Finally, with about a minute and a half left, Cal Lutheran pulled its goalie to gain a one man advantage. They swarmed the Caltech net, but Dale Laird swept the puck down the ice, narrowly missing the empty net. They swarmed again and got some shots, but Rob Nickells stood firm. They swarmed again, and again the puck was swept clear, narrowly missing the open net.

With 15 seconds left, the Caltech portion of the crowd started to growl. Cal Lutheran was coming up the ice. With 10 seconds left, the crowd started to yell. Cal Lutheran was passing the puck around, trying to get a shot. With 5 seconds left, the crowd started to roar. Cal Lutheran tried to get a shot — but Caltech intercepted the puck, and it was all over.

In the end, the Caltech Beavers beat the feisty Cal Lutherans 2-1 to win the Division II Championship and the coveted Warden Cup. (What a beauty! Pure anodized aluminum . . . I did mention that the end also had treasure, didn't I?)

## Homeboys Scare Pigg

by Club Homeboy

The steep rock-strewn slopes of the crescent-shaped Santa Fe Dam in Irwindale loomed forbiddingly in the background as the 362 competitors in the Tri-Fit LA Spring Biathlon prepared themselves for the day's events. On that cool, cloudy morning of March 25th, two of the founding members of Caltech's Biathlon/Triathlon/Road Racing club, "Club Homeboy," were in attendance.

John "Tri-Man" Pham warmed up with quietness and conviction in his deadly pink Trifit racing shorts. Pham, in spite of his heavy swimming background, was out to prove that a triathlete such as himself could go head to head with biathletes. Pham's teammate, Chris "I can run but I can't bike" Campo was out to prove a different point; with his heavy running background, he would do so well on the run that his lack of ability on the bike wouldn't matter.

The course involved a flat out and back two mile road run followed by a nine mile out and back bike ride on the top of the Santa Fe Dam. It finishes with a repeat of the original two mile run. Pham and Campo were teammates, but since Mike Pigg wasn't there competing for them to kick around (when the world-famous triathlete heard that the two "homeboys" had entered the race he withdrew from the event in fear) they decided to have a little friendly competition.

The gun went off and Campo shot towards the front of the pack. Chris ran smoothly, but perhaps slightly too conservatively, covering the two miles in 11:20 before hopping on the bike and heading out of the transition area. John Pham completed the run 1:20 later. Pham's transition cost him precious seconds. While Campo had opted to cycle in his running shoes, Pham chose to switch to cycling shoes before heading out on the bike ride. This gave Campo another 15 seconds on Pham before John started the bike course.

Campo on the bike was like a fish out of water and the hapless runner managed to muster a feeble 20 miles per hour average speed during the ride. Pham, smelling the fear in his prey, pumped away in the aerodynamic tuck position. Not very long after the turn-around

point at the halfway mark in the bike ride, the two men passed each other going opposite ways: Pham in pursuit, Campo fleeing for his life. The two locked gazes and a grim smile widened on Pham's face, saying to Campo, 'You are mine buddy!' But even as Pham gained steadily on Campo, the bike ride neared its end. Campo, after being passed by some twenty competitors on the bike, swung gratefully into the transition area. As he jumped off the bike and attempted to hurtle off on the second run it hit him: the rubbery legs syndrome- that nightmare every runner fears. After the bike ride leg muscles turn to weak silly putty. Even in this weakened state Campo ate up his competition like a pac-man eating up dots.

Pham tore into the transition area and lost more valuable seconds by switching from his cycling to his running shoes. John was now in the runner's realm and fear was in his eye: Campo had a lead on him going into the run — catching him would be a miracle now.

At ¾ mile into the run, Campo's runners legs came back to him and he eased on down to a sub-6 minute mile pace. The battered competitors in front of him were so much roadkill, and Chris passed them left and right. On his way back after the turn-around, Chris passed John going out on the run. Although Campo was out of Pham's reach now, he was not one to give up. He shot Campo a look which said, 'I may not catch you today, but I'm going to pass as many of these other putzes as I can before I finish!'

The Club Homeboy express train rolled in with Campo finishing in 43rd place in 50:37. Teammate John Pham was victorious in a last minute kick battle with 'raging' John Brettrager to finish 78th in 53:22.

If you are interested in road races, biathalons, or triathalons and would like to join Club Homeboy please contact John Pham (356-9283), Mark Lyttle (X6828), or Chris Campo (440-0826) and do it soon! We need lots of club members so we can be a legitimate club and go beg for money from ASCIT at the upcoming club money allotment meeting.

- \* \* \* \* \*
- \* Sign-ups for Student Faculty
- \* Committees are now posted outside
- \* the Mosh's office door. Sign-ups
- \* will be taken down April 10, at
- \* midnight. Interviews will be con-
- \* ducted April 16th and 30th. The
- \* committees are as follows with
- \* number of positions available in ( ):
  - \* Academic Policies(2)
  - \* Convocations(1)
  - \* Curriculum(2)
  - \* Athletics and P.E.(2)
  - \* Health(1)
- \* \* \* \* \*
- \* Foreign Students(2)
- \* Institute Programs(1)
- \* Patents(1)
- \* Relations with Industry(1)
- \* Relations with Secondary
- \* Schools(1)
- \* Student Housing(1)
- \* Library(1)
- \* Scholarship and Financial
- \* Aid(3)
- \* UASH(3)
- \* Freshman Admissions(4)
- \* Upperclass Admissions(2).
- \* \* \* \* \*

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## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	4-6	3:00 pm	Baseball	Pomona-Pitzer	Pomona-Pitzer
Sat.	4-7	11:00 am	Baseball (2)	Pomona-Pitzer	Caltech
Sat.	4-7	11:00 am	Track	Cal Lutheran & Whittier	Pomona-Pitzer
Sat.	4-7	1:30 pm	Tennis (W)	Occidental	Occidental
Sat.	4-7	2:00 pm	Tennis (M)	Redlands	Redlands
Tue.	4-10	3:00 pm	Baseball	Pac. Coast Baptist Bible College	Caltech
Tue.	4-10	3:00 pm	Tennis (M)	Claremont-Mudd	Caltech
Wed.	4-11	3:00 pm	Tennis (W)	Christ College	Caltech
Sat.	4-14	11:00 am	Baseball (2)	Barstow College	Caltech