


How to properly use the *Tech*: fold corner A to meet corner C, then fold B to D, lightly crunch, throw in fire pit, cover with  $CH_3COCH_3$ , and then ignite. Excess saw dust assists in proper combustion.

OK, yeah, DON'T be stupid and actually do that!

The Apache Mating Dance  
OPI  
Drop Day Party  
see the hoveses Saturday

# THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 18 PASADENA, CALIFORNIA FRIDAY, FEBRUARY 21, 1997

## Grease wars: Avery Cafe & Grill vs. The Coffeehouse

BY ERIK STREED

The Avery House Cafe & Grill opened this Monday February 17. A coupon for a free slice of pizza, good only on the following Tuesday, was used to entice the undergrads into venturing north for a bite to eat. Students flocked to Avery that Tuesday responding to the siren call of free food. The Avery House Cafe & Grill is run by TFM out of the Avery kitchen. The menu consists of typical fast food fare including burgers, fries, nachos, and pizza. In an interview with The Tech Thursday afternoon Head Chef Jesse Valez said that the intended clientele of the Avery Cafe & Grill would include not only Averites but also Caltech staff, faculty, and members of the community. He did not expect much competition with the SAC Coffeehouse, which primarily serves hungry undergrads and the occasional graduate student. In keeping with current policy the Avery Cafe & Grill does not accept cash but instead uses the new Campus Card System currently used for Avery dinner and lunch. People without the new Caltech IDs can purchase debit cards in the Avery lobby. The Zebra Coffee Company sells coffee

drinks and pastries at Avery and is not currently associated with the Avery Cafe & Grill but might be in the future.

Meanwhile the SAC Coffeehouse is currently suffering from a staffing shortage. Unlike TFM which uses professional food service employees, the Coffeehouse uses student waiters (grill monkeys) and managers and therefore is subject to labor problems relating to increased academic stress and the graduation of experienced personnel. Currently when the Coffeehouse is open it only is half staffed, several managers have left and there are not enough waiters to promote to staff the Coffeehouse. Departing managers cited the changing decor of the Coffeehouse as well as discouraging encounters with management. The lack of personnel has caused inventory control problems, resulting in remaining managers not knowing where food was or how much was on hand.

Gina Armas, SAC Coordinator, claimed that the Coffeehouse's problems are not due to the new decor but a lack of student interest. A quick survey of South Hovse residents provided evidence to the contrary. A current Coffeehouse employee found in Dabney Courtyard said



Stale Urine, former Tech editors, and the good old Coffeehouse.

that he thought the current decor is trying a little too hard to be post modern and that he wanted the old wooden booths back. His sentiments were echoed by the other students randomly surveyed Thursday night. An undergrad in the Ricketts lounge, also a Coffeehouse employee, said that he could trace the decline of the Coffeehouse to when they stopped placing Nilla Wafers on top of shakes. He also mentioned that the removal of the Head Manager has caused the decline in the moral of the Coffee-

house staff. When asked about the new Avery Cafe & Grill he responded that the Coffeehouse sucks but it sucks less than Avery.

When asked about the Coffeehouse, a frosh in Blacker Courtyard responded in surprise "It's open?" His commentary on the Coffeehouse's decor was: "It needs to be remodeled Blacker style, break everything and then add a few nails." The general student sentiment appears to be for the return of the Coffeehouse of old.

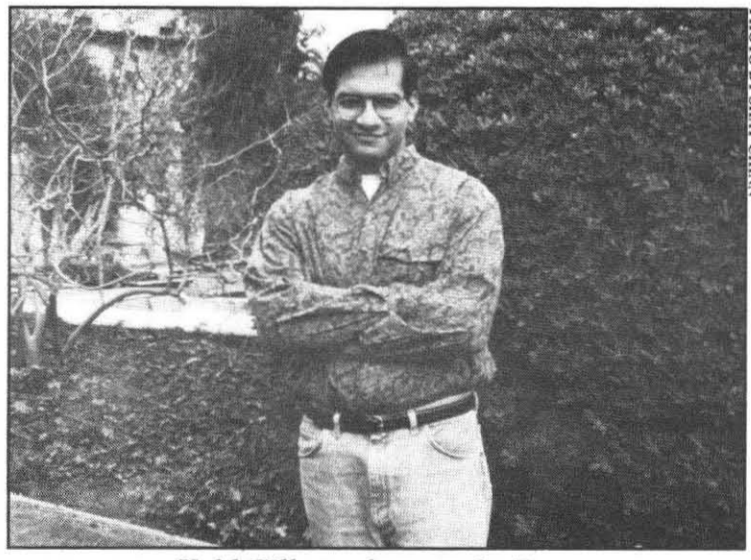
## The Good, the Bad, and the Ugly

BY KOHL GILL

For a few dollars more...

Howdy. A couple of nights ago, I found myself arguing until dawn about the Board of Control, and the Honor System in general. I came to the conclusion that, as far as discussion and criticism goes, the BoC is far too easy a target (for now). So, to welcome our new IHC Chair, Lori Hsu, to power I've decided to toss a few questions your way regarding the InterHouse Committee.

For starters, how is the number of freshman in each House determined? Seeing as how it's a major factor in each House's character, you would think everyone would know this off the top of his head. Most of the non-IHC people I asked about this guessed that the number of frosh



Kohl Gill stands up to the Dean

is proportional to the number of on-campus spots in each House. That's not correct, by the way. It is, of course, proportional to the size (in number of students) of each House, but that should be obvious. If you're still curious, you should talk to your House president.

Continuing with the froshly theme, let's talk about Rotation. You'll notice that, in the 96-97 edition of the *little t*, the Rotation Rules tell you specifi-

cally what you can and can't do with new students. So is it legal to say, "I really hate Ricketts House and I think they're all big jerks," (assuming that's the case. Of course, I would never actually say I hated Ricketts, at least not in public.) or isn't it? We all know the stock "fine houses" phrase, and most of us use it at one time or another, but do we have to?

SEE GILL ON PAGE 8

## ASCIT Election Results

The following are the official results of the runoff ASCIT election held Monday, February 17, 1997.

- IHC Chair: Lori Hsu
- ASCIT Athletics Manager: Jim Krehl
- ARC Secretary: Devi Thota

Complete official numerical results for the election can be found on page 5.

Stale Urine and the Sleeves will be giving a free concert this Sunday, February 23, at 3 p.m. in Dabney House courtyard. Come see Caltech's world-famous industrial/zydeco combo play fan favorites like "The Wax Man," "Lobster," and "Horse In A Smelter," and you might win a Stale Urine CD. The first twenty audience members will also receive a complimentary hangover remedy.

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LETTERS TO THE EDITOR

*African-Americans' right to vote cannot be taken away*

Dear Editors,

While I firmly agree with Dean Cheryll Hawthorne's general point in her letter to the editor of Feb. 14, which was that racial discrimination against African-Americans and Latinos is still a very serious problem, I should, as an expert on the subject of minority voting, correct her statements about blacks' right to vote.

The fundamental guarantee of the right to vote without discrimination because of "race, color, or previous condition of servitude" was made part of the U.S. Constitution in the Fifteenth Amendment in 1870. Despite that guarantee, blacks, along with many poor whites and Mexican-Americans, were disfranchised in the late nineteenth and early twentieth centuries through a variety of laws — literacy tests, poll taxes, property tests, secret ballot and registration acts — that were administered in a discriminatory fashion. By 1910, the vast majority of blacks in the South could not vote. But the Fifteenth Amendment was never formally repealed.

Registration campaigns, new laws, and favorable court decisions increased the proportions of blacks eligible to vote to levels approaching those of whites even in a few southern

states before 1965. In that year, in the Voting Rights Act, Congress attacked still-rampant discrimination in the Deep South and sought to alleviate the vestiges of discrimination elsewhere.

Two sections of that Act, to which Dean Hawthorne's letter implicitly refers, were temporary. Section 4 suspended literacy tests, and Section 5 required that any election-related law in certain states and counties where discrimination was particularly rife had to be submitted to the U.S. Department of Justice before it could go into effect. Those sections of the law were essentially extended in 1970, 1975, and 1982, the latter, for 25 years.

But it is not the case that that the right to vote would be taken away from anyone if Section 5 of the Voting Rights Act were repealed or allowed to expire in 2007. That right is enconced in the Fifteenth Amendment, and protections of it extend from the Fourteenth Amendment, as well. While some jurisdictions would certainly try to pass discriminatory election laws (as they do now) if all or part of the Voting Rights Act were repealed, the fundamental right of African-Americans to vote would not be taken away at the national level by any such action.

The real threats to racial equality are the Supreme Court's decisions undercutting efforts to integrate

schools, protect minorities from discrimination in jobs and housing, and prevent them from having equal opportunities in politics, and demagogic attacks on affirmative action by such politicians as Pete Wilson and Ward Connerly. But the right to vote per se is safe. Nineteenth century Republicans, whose memories their current incarnations defile, made sure of that.

**J. MORGAN KOUSSER**  
PROFESSOR OF HISTORY  
AND SOCIAL SCIENCE

Dear Editors:

Cheryll Hawthorne made an assertion in her letter in the February 14th *Tech* that is just plain wrong. She asserted that Blacks were not given the right to vote until 1965, and that that right can be taken away when the Voting Rights Act extension expires in 2007. This is not true.

The 15th Amendment to the Constitution states:

Section 1. The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any state on account of race, color, or previous condition of servitude...

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

This amendment was passed in 1870. Unfortunately, several southern states decided to try to find ways around this and to deny Blacks the vote through the use of poll taxes and literacy tests. This is the injustice that the 1965 Voting Rights Act was designed to

stop.

In his 1965 State of the Union address, President Johnson mentioned this as one of his goals for the year, "Let a just nation throw open to them the city of promise: [...] —to Negro Americans, through enforcement of the civil rights law and elimination of barriers to the right to vote; "

The Act was to remove the barriers that certain states had placed between Black people and their constitutional right to vote. If the Voting Rights Act is allowed to expire, this will not automatically remove the right of Black people to vote.

**STAN SCHWARZ**  
U.S. GEOLOGICAL  
SURVEY STAFF

*Health Care  
Articles Single  
Author Satire*

Dear Editors:

I suspect that both columns of last week's purported debate on public health care were written by one person as satire. But for a serious, long, and quite complex analysis from an anarcho-capitalist perspective, see David D. Friedman's column at [http://www.best.com:80/~ddfr/Academic/Medicine\\_Commodity/Medicine\\_Commodity.html](http://www.best.com:80/~ddfr/Academic/Medicine_Commodity/Medicine_Commodity.html).

**D. R. SULLIVAN**

*editor's note: The opinion piece "Should the U.S. Institute Universal Health Care" was not in fact written by a single author, but instead by two separate authors, David Blau and a writer who wishes to remain anonymous. Although Mr. Blau's piece was definitely satirical, it was also very late. Get your damn articles in on time or we'll ridicule you in editor's notes like this! HAHahaha! The power!*

Please send submissions for letters to the editor to

*The California Tech*  
Caltech 40-58  
Pasadena, CA 91125

or by electronic mail to  
[editors@tech.caltech.edu](mailto:editors@tech.caltech.edu).

Deadline for submissions is Monday at 5 p.m. on the week of publication.

The editors reserve the right to edit or refuse to print any letter for any reason.

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phone: (818) 395-6153  
advertising: (818) 395-6154  
e-mail: [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu)  
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THIS TECH HAS BEEN BROUGHT TO YOU BY:

|  |   |
|--|---|
| <b>EDITORS</b><br>Shay Chinn<br>Autumn Luoijen<br>Terry Moran<br>Kinko The Clown | <b>EVENTS &amp; NOTICES</b><br>Ryan Cox   |
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# Prop 187 misaimed effort

BY NEIL STEVENS

Since it will be stifled by the courts for a long time to come, I feel it is still appropriate to discuss California's Proposition 187. When it was passed by the voters, and when John Hatfield wrote about it last year, the subject evoked strong reactions from its opposition.

Now, I admire people who struggle for their cause, but in this case, the legal challenge to the initiative is a wild misapplication of the Fourteenth Amendment, and should be rejected, lest the amendment be weakened by such abuse.

The first clause of the Fourteenth Amendment, the "due process" clause, is a source of modern controversy. In attacking Proposition 187, and other services is unconstitutional? Grant-ed, certain portions of the law can only be enforced in a racist manner, and those should be struck down, but the principle of maintaining services for law-abiding citizens is intact.

Does Proposition 187 violate the Constitution? No, be-



amendment. Thus, while illegal residents may not be deprived of "life, liberty, or property" by the government, they are not to be afforded wholly equal protection. To deny schooling, welfare, or free services to someone is certainly not to attack that persons life, liberty, or property.

I am by no means anti-immigrant; I do not suggest rounding up militias to take care of the illegal immigrant dilemma. I do not call it a problem, because the staggering proportions of illegal immigration into this country are a symptom.

Perhaps the U.S. needs to alter its immigration policy, or its foreign policy with Mexico. If

*To deny schooling, welfare, or free services to someone is certainly not to attack that persons life, liberty, or property.*

we help our neighbors grow a healthy economy, our neighbors will not need to rush across the border. To solve this worsening crisis, the root problem must

be attacked. To fight Proposition 187 is to overlook the underlying problem, and miss an opportunity to work for a solution.

This initiative may be drastic, but something must be done to alleviate the symptom, while a separate war is waged on the problem. I simply suggest that those who feel 187 will hurt people should work to encourage these people to leave, and to see that they never feel the need to return illegally.

# ASCIT elects apathy

BY JOHN HATFIELD

The recent election for the positions in ASCIT has shown that the Caltech undergraduate community is remarkably apathetic regarding student government. To quote last week's Tech, a "frosh spotted in Fleming responded with 'Eh?' when asked about the elections." With little over three hundred voting the Caltech community has shown a decided disinterest in the workings of ASCIT.

More proof of this is the large number of positions in ASCIT which were run for unopposed (except by No). The very fact that we have No gaining large votes (primarily by people who think it is funny) is in itself very scary. One of these days, No is going to win.

This remarkable amount of apathy has led me to the conclusion that one of two things is true. Either, one, we are a very apathetic student body, or two, ASCIT does not influence our everyday life enough for us to care who leads it (as long as they make sure donuts are there Friday morning). Neither of these options is very appealing.

It seems obvious to me that undergraduates at Caltech are intelligent enough to realize when something is important enough to affect their lives. They are certainly willing to vote and run in large numbers in the house elections, and this fact shows that the undergraduate community is not apathetic towards student government if it has a measurable impact on their existence.

Lloyd, Page, Ruddock, Ricketts, Blacker, Fleming and Dabney all have contested elections for positions such as President, Secretary, Social Director and such while contenders for such positions as President of ASCIT, BoC Chair, and other ASCIT offices went unopposed. Note that I

am not saying the present or future holders of these positions have done a bad job. They have done a good job. But clearly the job they do does not register on the student body as a whole, not nearly as much as the houses do.

Why does ASCIT have such a disjoint relationship with the houses? Granted, it runs rotation, but it seems the house presidents and ASCIT interact very rarely outside of this time. Again, this is only perception, but if ASCIT does not show it has ties to the community, we will assume it has none. In short, in many ways, we do not know (and thus do not care) what ASCIT does.

What, for instance, does the upperclassmen director do? How do the people who run ASCIT affect our lives? Are they a place to take our grievances about Caltech?

If so, can we complain to



them about Rotation, the core curriculum, etc.? Are they there to make the Administrations work easier?

The answers to these sorts of questions are something ASCIT needs to answer to the student body. Clearly, the student body does not know what ASCIT does, and not knowing, ceases to care. If ASCIT wishes to have a truly involved student community, in the same way the house communities are cohesive, it must show us what it does to bring us together.

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Thanks for your help!

Last week's ad incorrectly stated the submission date as Feb. 17th. The actual submission deadline is March 17th.

## The Outside World

BY MYFANWY CALLAHAN

**BEIJING, CHINA** — Deng Xiaoping, who acted as General Secretary of the Communist Party in China for decades, died Wednesday at 92. No one has shown the same amount of authority to follow as his successor.

**ABIDJAN, IVORY COAST** — The Zairan Government is now arming Hutu guerrillas living among the Rwandan refugees. This has made the largest camp, Tingi Tingi, a primary target for the Tutsi rebel army.

**GUADALAJARA, MEXICO** — General Jesus Gutierrez Rebollo, head of the national drug agency for the last two months, has been dismissed from the armed forces and charged with protecting and accepting money from Mexico's most notorious drug lord.

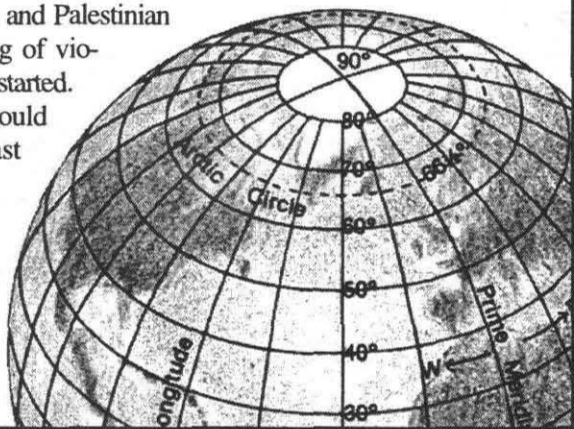
**JERUSALEM, ISRAEL** — Prime Minister Benjamin Netanyahu faces another crisis with his right-wing allies demanding construction of a new housing project in East Jerusalem and Palestinian leaders warning of violence if work is started. Palestinians would like to see East Jerusalem as the capital of a future Palestinian State.

**LONDON, UK**  
— In an ef-

fort to pacify Russia's opposition to NATO's eastward expansion, Secretary of State Madeleine Albright announced proposals to reduce weapons in Central and Eastern Europe. She will meet with President Yeltsin and his Foreign Minister later this week.

**SEOUL, SOUTH KOREA** — Earlier this week, a prominent North Korean defector, Lee Han Young, was shot by North Korean agents. He suffered brain death from the shot. The Government seems more accepting of the defections now with the Communist leader Kim Jung Il remarking that "cowards" are welcome to leave.

**PHILADELPHIA** — Dr. Jose Castillo, a plastic surgeon commended by the White House in 1994 for his charity work, was accused of harboring a fugitive and obstructing justice. His transformation of Richie Ramos, convicted of drug trafficking, was so complete, that he almost evaded arrest.



"ONE FLAME A WEEK - MY PROMISE TO YOU."

BY AUSTIN COLLINS

No prelude necessary, as this week's topic is:

### Toll Bridges

As they are currently run in the majority of states, toll bridges (and toll roads) are a philosophical abomination. Among the most basic requirements a government is obligated to provide is infrastructure. To turn their obligation to provide a passable infrastructure into a profit generating scheme is nothing less than obscene.

Take what happened in Fort Myers, Florida for example. It was time spent in this city that first illustrated to me the downside of toll bridges. In this city are two toll bridges that paid for their construction long ago...but unlike in Texas the tolls were not then eliminated. In fact, the tolls on both bridges have been consistently raised since the bridges paid for their initial construction!

These two toll bridges connect Fort Myers to the cities of Cape Coral, and Sanibel Island.

Although there is another bridge available to reach Cape Coral, it is over twenty miles away from the location of the toll bridge. There is no other way to reach Sanibel. In fact, the original proposal for the Cape Coral bridge was pitched not on the obvious necessity for such a bridge, but rather on the profit it would turn. This is the same state in which it costs \$450 to register an automobile. No joke — \$450. This covers an 'impact fee' which ideally represents the cost to the environment and the maintenance of the roads.

It may interest you to know that the county these toll bridges were built in has some of the worst road conditions in the country. The bridges have been wildly profitable (people have no real choice but to use them to find things like, oh, jobs) as have the toll roads that have begun to spring up.

In one case, there is a toll road and a free road that run almost parallel to each other. However, the toll road has a higher speed limit, no potholes, and smooth pavement. The free

road has been under construction, continuously, for the last six years. Six years.

See, none of that money that is being made by these toll roads and bridges actually go to other roads or bridges. They go to things like opening the state's 26th state university in the area, or building stadiums to attract major league sports teams — projects that have, at best, lukewarm support among the city's inhabitants.

State and local governments have no right to impose charges for the simple option to use things they are already obligated to provide you. In Florida, although revenue from toll bridges and roads have steadily increased, money spent on infrastructure has steadily decreased. The state is deliberately taking advantage of the absolutely critical commodity of roadways to fund whatever pet project is is pursuing at the time.

Forget about the finer things in life, like having the right to freely walk the streets at night. For now, let's just concentrate on being able to freely walk the streets, period. As Patton said, "I don't like paying for the same ground twice." Yet that's what we do, with every coin we plunk into that damned toll booth. We paid for the construction of the road with taxes, we shouldn't have to pay again for the privilege to use that road. It really is that simple.

"Cyrano: So, this is your revenge?"

Compte de Guiche: Take it to mean I serve my King, and vent my spleen."

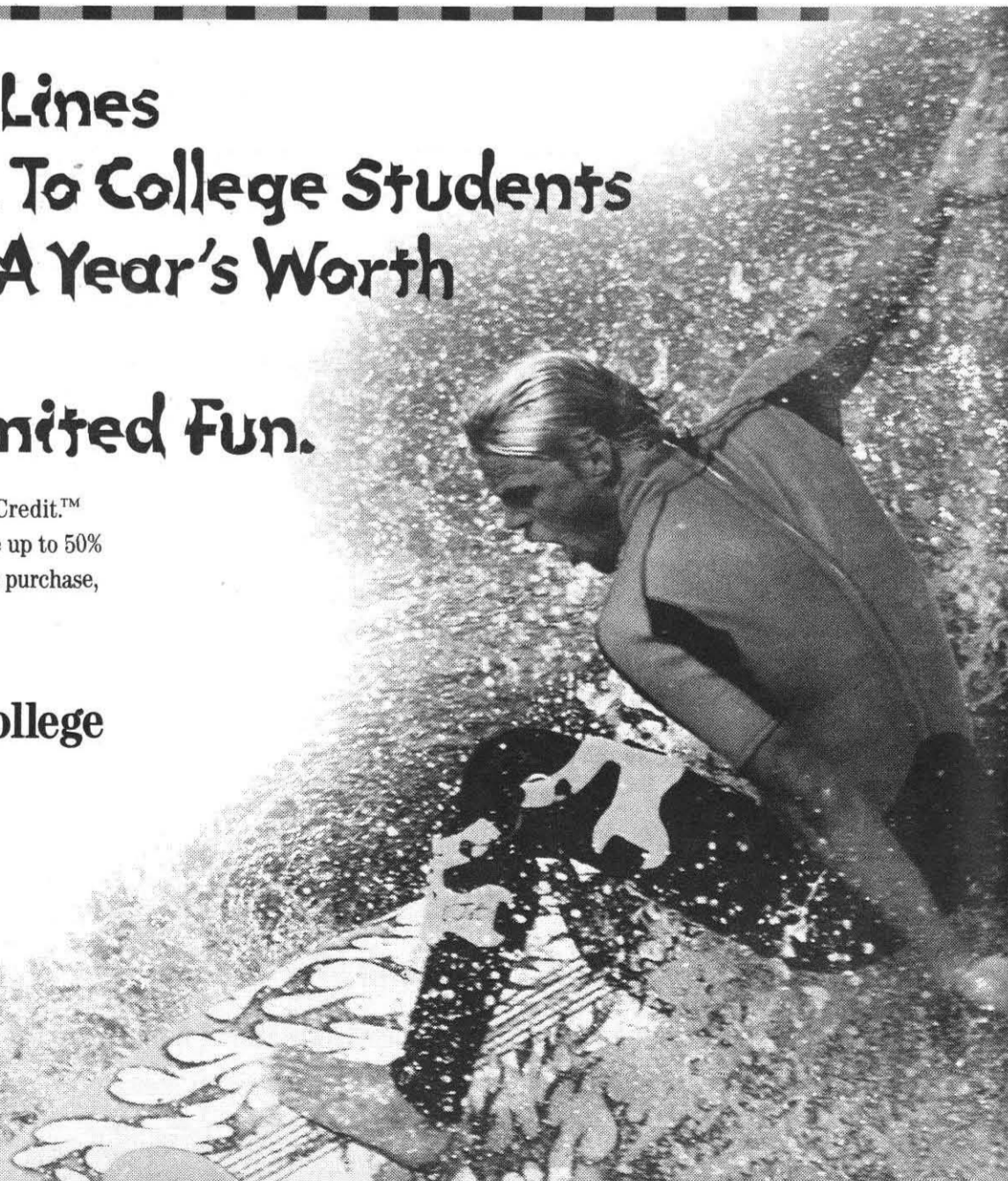
—Rostand

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# A.S.C.I.T. Minutes

FEBRUARY 13, 1997

**Starring:** Dave R., Dave B., Kohl, Kristie, Kiran, Emily, Adrienne, Maria, Mike, Baldeep, John, Kara Guest Starring: Erin Lynch

Fade in on Meeting at 10:13 p.m.

**Setting:** 13 people in a small room attempt to get something done. There sure are a lot of bodies around here.

**Scene 1: A New Beginning**

Erin Lynch has come to request interhouse funds for bowling with Lloydies. (Shopping carts and the Olive Walk, hmmm.)

Dave begins to explain how exchange of duties is going to occur when suddenly the light in the door is plugged by the presence of those crazy unbelievably cool Tech people just dropping by to say hello. Thinking attention has been deterred from himself, Kiran grabs 10 or so UROH's. He's caught, and puts them back. The words SIT Maria SIT are heard in the background. Dave completes his explanation of the way things go.

**Scene 2: Officer Reports**

All attention is focused on Kara for her final report as Frosh Director at Large: A huge round of applause is heard as she proclaims, "The UROH's are complete!!" All pause as she says her final farewell.

Alexis's presence is

sadly missed by Kiran, who expected an explanation of his duties. DAVE TO THE RESCUE!!! He will fill Kiran in.

Emily proclaims with joy that her last duty, Installs, have been taken care of.

The camera's scroll to the all might KOHL: Three committees have been formed for the faculty student conference named and chaired as follows: the Honor System, chaired by Geoff Smith, *gsmith@londo*; Student Life, chaired by Ellis Meng, *fanchuin@cco*; and the Undergraduate Purpose Committee, chaired by Seth Blumberg, *blumberg@cco*. If you have input for subject matter to be addressed by any of these committees contact the chairs.

Dave Bacon: Yup, Yup, Yup! Nada. (He's a man of few, but powerful words)

The room is silenced as it is time for Kristie to discuss the financial situation: Dues have been obtained, there is some discrepancy about the amount. Money is owed to the Dean's office, ASCIT's payroll people, for publications. A bookkeeper will be obtained soon. Interviews are in progress.

Maria actually has something she can say, and it's important, so pay attention: the Board of Control may start using a tape recorder for questioning periods at hearings and preliminary investigations on a trial basis. The safekeeping and secrecy will be just like the present BoC minutes. This will provide for more accurate record keeping and will be a good check on the Board. The use of a recorder will commence only with the interviewee's purely voluntary permission. REP AT

LARGE appointments will occur during the week of 2/17. There will be another business meeting in a week or so.

Dave commences with his final duties as President: Keys to the office will be exchanged.

**Scene 3: The Swearing in and the Kicking out!**

Kohl is literally sworn in! Kristie proclaims, "I want out!" in consideration of her desires, Kohl "swears" the old fogies out. Some confusion follows as Maria is titleless for a whole 10 seconds, but all settles down as Kohl begins. The rest of the BoD swears in, I affirm in. The curtain closes at 10:53 p.m.

This transcript respectfully submitted by

*KARA SWEDLOW*

The "newbie" ASCIT secretary

## Official ASCIT Election Numerical Results

Absolute Majority is required to win. Absolute Majority in each election is: (1/2)(Non Abstaining Ballots) + (1/2)(Error Points) + 1 [Note the definition of absolute majority in this year's little t is incorrect. The above is the correct formula.]

For election procedure, look in the ASCIT by-laws, Article 8. Each line represents a separate redistribution. If you don't want to sift through all the distributions, just look at the bottom line for each office for the final result (which works in most


cases).

All winners declared in each election are now official, as they always become official at Wednesday, 8 p.m., after the day of their election if no valid protests are received.

| BIG ASCIT ELECTION RESULTS for the February 10, 1997 election |  |                 |  |          |  |          |  | ASCIT Secretary  |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
|---|--|-----------------|--|----------|--|----------|--|--|---------|------------------------|----|----------------|---------------|-------------|--|------------|--|---------------|--|--------------------------|--|---------|--|---------------|--|
| 328 Total Ballots Cast  |  | 24 Error Points |  |          |  |          |  | Afsarman.  | Swedlow | Write-in               | NO | Abstain        | Abs. Majority |             |  |            |  |               |  |                          |  |         |  |               |  |
|   |  |                 |  |          |  |          |  | 114  | 149     | 4                      | 27 | 34             | 160           |             |  |            |  |               |  |                          |  |         |  |               |  |
|   |  |                 |  |          |  |          |  | 121  | 153     | 6                      | —  | 48             | 153           |             |  |            |  |               |  |                          |  |         |  |               |  |
| ASCIT Treasurer   |  |                 |  |          |  |          |  | BoC Secretary  |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| John Lin  |  | Write-in        |  | NO       |  | Abstain  |  | Abs. Majority  |         | Malmstadt              |    | Sung           |               | Other       |  | NO         |  | Abstain       |  | Abs. Majority            |  |         |  |               |  |
| 178   |  | 13              |  | 42       |  | 95       |  | 129  |         | 171                    |    | 64             |               | 5           |  | 27         |  | 51            |  | 146                      |  |         |  |               |  |
| IHC Chair   |  |                 |  |          |  |          |  | Bylaw Proposal   |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Hsu   |  | Little          |  | Turk     |  | Write-in |  | NO   |         | Abstain                |    | Abs. Major.    |               | Yes         |  | NO         |  | Abstain       |  | (2/3) Abs. Majority [*5] |  |         |  |               |  |
| 108   |  | 105             |  | 77       |  | —        |  | 28   |         | 10                     |    | 172            |               | 232         |  | 54         |  | 42            |  | 215                      |  |         |  |               |  |
| 108   |  | 105             |  | 82       |  | —        |  | —  |         | 33                     |    | 160            |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| 141   |  | 123             |  | —        |  | —        |  | —  |         | 64                     |    | 145 [*1]       |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| 144   |  | —               |  | 113      |  | —        |  | —  |         | 71                     |    | 141            |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| ASCIT Academic Director                                       |  |                 |  |          |  |          |  | RUNOFF ELECTION RESULTS for the February 17, 1997 election |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Westover  |  | Write-in        |  | NO       |  | Abstain  |  | Abs. Majority  |         | 259 Total Ballots Cast |    | 0 Error Points |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| 192   |  | 9               |  | 42       |  | 85       |  | 134  |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| ASCIT Social Director   |  |                 |  |          |  |          |  | IHC Chair  |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Bourque   |  | Sheive          |  | Write-in |  | NO       |  | Abstain  |         | Abs. Majority          |    | Lori Hsu       |               | John Little |  | Ben Turk   |  | Abstain       |  | Abs. Majority            |  |         |  |               |  |
| 151   |  | 56              |  | 6        |  | 34       |  | 81   |         | 136                    |    | 92             |               | 92          |  | 61         |  | 14            |  | 123                      |  |         |  |               |  |
|   |  |                 |  |          |  |          |  |  |         |                        |    | 117            |               | 109         |  | —          |  | 33            |  | 114                      |  |         |  |               |  |
| ASCIT Upperclass Director                                     |  |                 |  |          |  |          |  | ASCIT Athletics Manager                                    |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Shekar  |  | Westcoat        |  | Write-in |  | NO       |  | Abstain  |         | Abs. Majority          |    | Chris Bisbee   |               | Jim Krehl   |  | Abstain    |  | Abs. Majority |  |                          |  |         |  |               |  |
| 131   |  | 72              |  | 5        |  | 32       |  | 98   |         | 133 [*2]               |    | 75             |               | 115         |  | 69         |  | 96            |  |                          |  |         |  |               |  |
| 131   |  | 72              |  | 5        |  | 26       |  | 104  |         | 130                    |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| ASCIT Frosh Director  |  |                 |  |          |  |          |  | ARC Secretary  |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Cummings  |  | Kuo             |  | Sadhal   |  | Sullivan |  | Write-in   |         | NO                     |    | Abstain        |               | Abs. Major. |  | Devi Thota |  | Write-ins     |  | NO                       |  | Abstain |  | Abs. Majority |  |
| 32  |  | 22              |  | 89       |  | 65       |  | 5  |         | 41                     |    | 74             |               | 140         |  | 112        |  | 17            |  | 47                       |  | 83      |  | 89            |  |
| 33  |  | 22              |  | 92       |  | 65       |  | 7  |         | —                      |    | 109            |               | 119         |  |            |  |               |  |                          |  |         |  |               |  |
| 34  |  | 22              |  | 93       |  | 66       |  | —  |         | —                      |    | 113            |               | 120         |  |            |  |               |  |                          |  |         |  |               |  |
| 35  |  | —               |  | 101      |  | 69       |  | —  |         | —                      |    | 123            |               | 115 [*3]    |  |            |  |               |  |                          |  |         |  |               |  |
| —   |  | 27              |  | 99       |  | 69       |  | —  |         | —                      |    | 133            |               | 110         |  |            |  |               |  |                          |  |         |  |               |  |
| —   |  | —               |  | 110      |  | 72       |  | —  |         | —                      |    | 146            |               | 104         |  |            |  |               |  |                          |  |         |  |               |  |
| ASCIT Tech Editors  |  |                 |  |          |  |          |  | ASCIT Athletics Manager                                    |         |                        |    |                |               |             |  |            |  |               |  |                          |  |         |  |               |  |
| Cox, Looijen, Streed  |  | Write-in        |  | NO       |  | Abstain  |  | Abs. Majority  |         | Bisbee                 |    | Krehl          |               | Write-in    |  | NO         |  | Abstain       |  | Abs. Majority            |  |         |  |               |  |
| 198   |  | 17              |  | 38       |  | 85       |  | 139  |         | 103                    |    | 115            |               | 4           |  | 33         |  | 73            |  | 140                      |  |         |  |               |  |
|   |  |                 |  |          |  |          |  |  |         | 104                    |    | 119            |               | 4           |  | —          |  | 101           |  | 126 [*4]                 |  |         |  |               |  |

VOTER TURNOUT BY HOVSE, FEBRUARY 17, 1997

|          |    |                     |
|----------|----|---------------------|
| Ruddock  | 18 | Apathy Poster Hovse |
| Ricketts | 22 |                     |
| Page     | 25 |                     |
| Dabney   | 36 |                     |
| Fleming  | 40 |                     |
| Blacker  | 48 |                     |
| Lloyd    | 70 | Political Machine   |



Respectfully Submitted, *Mic Westcott*  
ASCIT ELECTION CHAIRMAN

**Endnotes**  
 [\*0] - Since the Election Chairman was running for ASCIT Upperclass Director, he was not allowed to count any votes on February 10. = ( These numbers were given to him by the rest of the committee to type up for the Tech. He did however, count votes for the February 17 election.  
 [\*1] - On line 2, Turk and Little are within error of each other, thus either could really be in third place. Thus there must be a parallel distribution of each person's vote. The two parallel distributions must agree in order to declare a winner. They do not. Thus we had to have a runoff. (Remember, absolute majority is a must.)  
 [\*2] - Note the first line Kiran doesn't have absolute majority. This wasn't discovered till after the ballots were counted and the protest deadline. To satisfy himself, the Election Chairman looked through and found 6 of the NO votes that abstained after that. Redistributing these 6 gives enough for an absolute majority. The reader can verify that distributing the others won't change the outcome, regardless of what they are.  
 [\*3] - Since Cummings and Kuo are within error of each other, we have two parallel distributions again. Both result in the other candidate getting redistributed right away. Thus these parallel distributions merge (agree), and Sadhal wins.  
 [\*4] - Write-ins should have been redistributed (It was initially thought that Jim had won. However, this was discovered after the ballots were counted and heaped together and put away. No one felt like looking for those four write-in votes. The reader can easily verify that no matter what their other rankings were, redistributing those 4 could not have given any one an absolute majority. Thus we held a runoff.)  
 [\*5] - The bylaws do not say how to count error for bylaw votes. The number used for Absolute Majority in this case is (2/3)(Non-abstaining votes) + Error, which is as stringent as you could possibly get (and probably more than necessary). Thus the bylaw passes.

# Pahoehoe: day two of geology trip

BY JOSEPH TRELA

**DAY 2 - Friday, March 15th**  
Highway to Haole

During the second day of the trip, we got used to the pace of activities that typified the field trip - drive around in the lush scenery for an hour or so, stop at a particular place, hop out of the minivan, climb around whatever we were supposed to be looking at and hop back in. Our first stop was at the Tsunami Memorial, which was built for all victims of tsunamis everywhere. Due to the central location of the Hawaiian Islands in the Pacific and the fact that it faces "outward" from the rest of the islands, Hilo is especially vulnerable to the seismic sea waves generated by earthquakes. No warning systems were available when a 30-meter tsunami struck in 1946 and nearly washed Hilo off the map; needless to say, this encouraged research into an early warning system for the islands. Apparently, though, some people didn't learn anything between then and 1964, when another

tsunami came roaring in from the great Alaskan quake of that year. This time, there was plenty of warning, but some residents deliberately stayed in Hilo to watch the tsunami come in, like it was Shamu swimming over to their side of the tank at Sea World and playfully spraying them with a billion gallons of water. Not the smartest bunch of alleles in the population, I suppose. Incidentally, evidence in the form of sediments at high altitudes suggests that a thousand-foot tsunami recently (in geological terms) hit the island, possibly because of a "megaquake" or a nearby asteroid impact (Watch The Skies!). It had to be relatively recent, because the island has only been in existence for a few hundred thousand years. Needless to say, I was pleased to find out that there were many routes to higher ground available.

After this cheerful experience, we headed south from Hilo to the district of Puna on the southeast coast (Hawaii is shaped roughly like an isosceles triangle, with the apex pointing north-northwest). We drove

past the Mauna Loa macadamia nut orchards (the only nut in the world named after a Scotsman, according to the guidebook) and made it to the geothermal power plant that was constructed during the energy crisis of the 70's. Apparently, Madame Pele could heat up enough water to power the entire island chain; the problem, of course, is getting the power to the other islands. Larger-scale use of geothermal power than the < 10 MW-test plant has been limited by the fact that some of the locals seem to prefer imported oil (with all the pollution and risks from cracked supertankers that implies) to geothermal power. As for potential nastiness from the geothermal plant, there were no giant towers of steams coming from the plant, and the only noise from the turbines a quarter-mile away was a barely audible hum.

After that, we stopped for lunch at Lave Tree State Monument. As the name indicates, this is an area where trees were inundated by a fast-moving lava flow that supposedly dated from the eighteenth century (few pre-

cise historical records exist before 1820 or so). Since most Hawaiian trees have a high water content, they didn't go up in flames like tinder but actually left impressions of their bark in hollow tubes up to ten feet high or so. The area was also punctuated by nasty-looking cracks in the earth that go down several meters and some tiny feral cats that watched us eat our peanut butter sandwiches and Wheat Thins from a safe distance.

We drove over to Kumukahi Light House, on the easternmost cove of the Big Island. There, there was a large lava flow from a 1960 eruption of Kilauea; there were many phenocrysts of olivine (a common green mineral in basalts known to gemologists and the Home Shopping Network as peridot) visible in the lava, but what was most impressive was that the flow surrounded the lighthouse (really just an unmanned beacon and weather station) on three sides with almost 10 feet of a'a (rough lava). We could see some of the rusted remains of the original perimeter fence encased within the a'a, but in no way was the tower itself damaged - presumably, through the working of Madame Pele herself. Some of us were pretty impressed, but there was doubt about whether

or not the lighthouse was on a slight rise; Professor Sharp shrugged his shoulders and headed back to the lead car in our four-van caravan.

We travelled along the Puna coast road to the southwest, stopping occasionally to see some of the sheer basalt cliffs and columns at the edge of the sea and occasionally getting nailed by the sea goddess herself. We had passed a group of beach bums when I noticed that there was no more road left on my official map; instead, it read "1986-93 Lava Flows". At that point, I looked up and straight ahead. To the right (north) of the road, a typical Hawaiian landscape of papaya trees and hills. To the left, utter devastation - a field of ropy pahoehoe lava stretching out to the sea, with a few shrubs beginning the process of recolonizing what was obviously the 1986-93 lava flow, as the map promised. Dead ahead, a stop sign and, in the distance, an ominous pillar of steam reaching into the sky (as it turned out, it was the current Kilauea eruption from the Pu'u O'o crater falling into the sea). A squeak crept out of my throat as the caravan stopped and we stepped out to examine the flow. I had seen the

SEE PAHOEHOE ON PAGE II

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ORGANIC CHEMISTRY



# Ernest Explains

BY ERNEST TOMLINSON

Dear Ernest,

What's with this moss I see growing all over campus? It's really slippery. I've been sliding all over.

-Quinn Mallory

Dear Mr. Mallory,

First off, it's not really moss. I think it's something from those Martian meteorites that a JPL employee — who will remain nameless — got on his shoe and tracked all over campus. At least, that's the story. There is a persistent rumor that it was cultivated in BBB to be the South Hovse version of the Pebbles of Death. At last estimate the Pebbles of Death had generated \$46,800 in revenue for Huntington Memorial Hospital.

Dear Ernest,

Avery House is so nice and new, why does it seem so few people are living there?

-Abraham

Dear Abe,

You know, Avery™ is really a fine house. Let's not think of it as being half-empty, but being half-full and full of opportunity.

Dear Ernest,

What do you think of Seattle?

-Ace

Dear Metal-Star,

Wankers drinking coffee.

Dear Ernest,

I'm a freshman physics major looking to fill out my 3rd term. What should I take?

-Classless

Dear Classless,

Definitely Ph 4. It is an optional lab filled with experiments that are considered by Skelton et al., to be too fun to be included in the required curriculum: lasers, electron guns, oil drops, sound waves, etc. If you do the oil drops you can write "Beauty, publish!" in your notebook. And the TA is really cool. More to the point, he needs the work.

## ADAM VILLANI: MEDIA GUY

BY ADAM VILLANI



### Sling Blade

Actor/Writer/Director Billy Bob Thornton's pair of Oscar nominations for *Sling Blade* were one of the most pleasant surprises of last Tuesday morning. This is truly one of the year's best movies, and with the Oscar nods, *Sling Blade* will get the chance at widespread recognition that it deserves. Thornton stars as Karl, a retarded man released from a rural Arkansas mental hospital after spending most of his life there after killing someone in his youth. In the small town where he grew up, Karl befriends a young boy, providing in his simple way a kind of father figure the boy is lacking.

Thornton's Karl is a familiar type of character—compare with Dustin Hoffman in *Rain Man* or Geoffrey Rush in *Shine*—but he achieves more resonance by being more complex and dark than the gentle giant demeanor that appears on the surface. And while the hipper-than-thou West Hollywood audience felt like chuckling at any overt sign of the rural Southern setting, Thornton has a love for and a knack for evoking the South akin to that of Faulkner. The supporting cast, including Dwight Yoakum (!), is also very good in this fascinating movie that requires more thought from the audience than the shameless crowd-pleaser *Shine*.

### The J. Paul Getty Museum

This museum in Malibu holds an extraordinary collection of paintings, sculpture, and antiquities in a beautifully ornate reconstruction of a first-century Roman villa. Most of the first floor is Greek and Roman sculpture, vivid and amazingly lifelike. The second floor houses mostly European paintings of a wide variety of subjects from the fourteenth through nineteenth centuries; the collection here is much more interesting than the drab eighteenth-century portraits that populate the Huntington. There are also smaller exhibits

of things such as manuscripts and photographs.

The museum is closing on July 6, and various exhibits will be closing before that date. This is so that most of the collections can be moved to the new Getty Center in Sepulveda Pass which will open later this year. But I encourage you to visit the current museum if for no other reason than to see the elegant grounds with its marble staircases, herb garden, and reflecting pool. Admission is free, but you need to make reservations for parking about a week or so in advance. Call (310) 458-2003.

### Secrets and Lies

Nominated for five Oscars, this latest film from British director Mike Leigh (*Naked*, *Life is Sweet*) shows once again the extraordinary talent Leigh has to work with actors to develop realistic, sympathetic, multilayered characters. Leigh writes his screenplays by presenting his actors with story and character outlines and working with them to develop scenes. The result is a consistent output of films with a special humanity to them; *Secrets and Lies* is no exception.

Marianne Jean-Baptiste plays an adopted black woman who seeks to find her birth mother and is startled to discover that she's white; Brenda Blethyn is equally surprised as the woman who finds out the child she gave up decades before is black. Complicating things are class differences we rarely speak of—the daughter is an optometrist while the mother is a poor factory worker. Blethyn's younger brother, meanwhile, is a successful photographer while her daughter works for the sanitation department. The secrets and lies that the family members have kept hidden from each other simmer under the surface of their skin until coming to a full boil at a family barbecue. I highly recommend this movie.

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|---|-------|-------|-------|----------|
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| Club Las Perlas*  | 615   | 759   | 899   | Quads    |
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# GILL: A Fistful of Dollars . . . For a Few Dollars More

CONTINUED FROM PAGE 1

What about picks? In the same edition of the *little t*, you can see that part of the Rotation Rules regarding the picks procedure has been omitted. Do you know why this is the case? Most would say the omission prevents those new students or Houses with a better under-

standing of political science from taking unfair advantage of the other students or Houses. Do you agree with this decision? Speaking of agreement, do you agree that alley challenges and all the other prohibited activities should be so restricted?

If you have questions or comments about the IHC, I

would suggest posting to (and reading!) the newsgroup *caltech.house.ihc*. That would seem to be its purpose, after all.

You may be wondering why I'm asking these questions. That's a good question in and of itself. I don't like getting stuck in a rut and participating in bureau-

cratic traditions just because that's the way things are. Sometimes I like to step back and look at what's really going on. Sometimes people just get things wrong. For example, I recently heard a rumor that, in order for an organization to be legitimate (or to get ASCIT funding), they have

to "register" with the Director of Residence Life Office, and that the process of being recognized (or funded) by ASCIT was a long and arduous one. I would hope that in a community this small, we would be able to do away with (rumors of) excessive bureaucracy. Incidentally, if you'd like ASCIT recognition or funding you should talk to the ASCIT Board of Directors at *ascit@cco*. It's really not that painful.

Alright, that's about all I have to say right now. If you have comments about ASCIT, please see the newsgroup *caltech.ascit*. Again, that's why it's there. Or talk to me, *kohl@cco*; that's why I'm here, as well. By the way, my presidential office hours are Fridays, from doughnuts 'till lunch (8:00 to 12:00) on the Olive Walk. Speaking of doughnuts, it's strawberry season again.

Thanks for reading,

Ricketts 56 x1590



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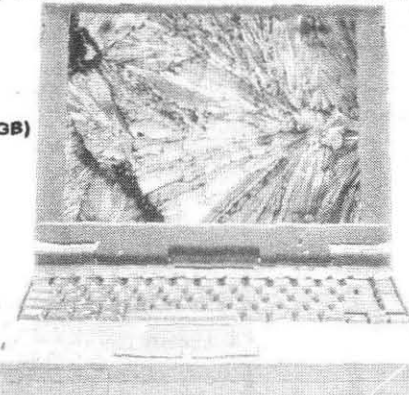
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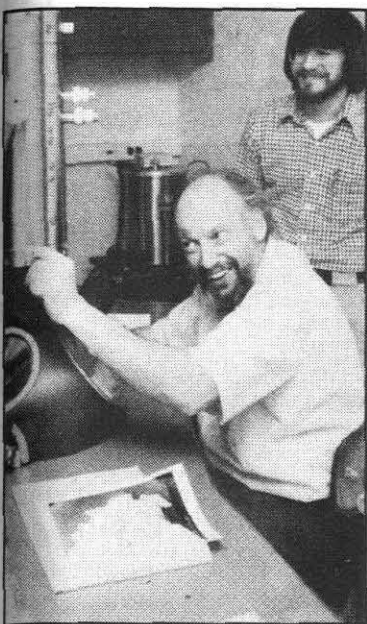
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# Dean's Corner

## Paris Supplanted by Chicago

by Jean-Paul Revel



One of the things Caltech boasts about, no, let me start over again: One of the things Caltech is proud of, is how bright, how inventive, how perceptive are the members of its student body. *La crème de la crème* intellectually, that's what they are. Well, and good, and true.

Another of the things Caltech can be proud of is the insight of our founding fathers. That's made obvious to me when I look at the old issues of various publications which are squirreled away in my office. I periodically go on expeditions through my drawers and end up fascinated by the things I find.

Something I have noted is that, from the very start, our predecessors decided that to have the extraordinary school they wanted to build, it was necessary for it to excel not only in technical matters but also that it pay due respect to the humanities.

In the Bulletin of October 1909, President Scherer writes to the Board of Trustees of Throop Polytechnic Institute in a manner reminiscent of Julius Caesar:

*"Gentlemen: I have the honor to submit herewith my first annual report. I arrived in Pasadena and took charge of the Institute on the first day of the seventeenth annual session, September 23, 1908; was installed November 19; left for Europe by your direction March 26, 1909, and returned June 7, the day before commencement.*

*I came here under instructions to develop the Institute into a high-grade college of technology, teaching for the present electrical and mechanical engineering, and emphasizing the essential humanities so as to produce graduates of culture as well as technical skill."*

How come then, I wondered as I read this, that even to this day it is often hard to find the easy touch of culture? Are a knowledge of history, a smattering of philosophy and refined manners ways to avoid conflict and foster pleasant interactions, even in difficult situations?

Why is it that each generation has to discover anew what Scherer calls the "Throop idea" which, he says, "the principal technical schools of the country

will be forced [to follow] before many years have passed"?

I wonder what Scherer would think if he were to come back today and see the student houses: their dining rooms, the behavior of students at meal time. How would he react to the forced coarseness of the Valentines published last week, when Valentines are supposed to be expressions of love, friendship and respect? Would he see realized his dream of students learning technical and daily living skills? Are we really doing all we can to expose our students to culture?

We have required Hums, easily accessible Music, Theater, organized and subsidized Socials, we have Art appreciation classes, work opportunities around the country and abroad, many avenues for cultural and self expression studies — and yet, there are still so many rough edges and seemingly ever rocky paths.

I do enjoy going to the various houses and having the opportunity to speak to students over a meal. I must say however that I do not enjoy the mayhem that so often arises. Although I do understand high spirits and appreciate the relaxation from the daily pressure afforded by high jinks, somehow I also am embarrassed by the almost *recherché* grossness of the proceedings.

Of course, as a guest, I am aware that it is not mine to object. When in Rome, do as the Romans do.

In spite of this I feel I ought to intervene. After all, I am there as the Dean and I see it as part of my responsibility to point out alternate, more civilized ways.

A few weeks ago in one of the Houses after dinner I witnessed a whole hecatomb of floatings (is that the word?). I guess that this is a common way to punish infractions of house rules. Somehow, though, I could not help but feel like a guest of Nero's or Caligula's in honor of whom many were sacrificed at the games in the Colosseum.

I was sorry for all those wet

*Of course, as a guest, I am aware that it is not mine to object. When in Rome, do as the Romans do.*

bedraggled victims and also for those who had to pick up and clean up the mess afterwards. I wanted to ask for amnesty for those about to be sacrificed. It is a little thing, perhaps, to have pitchers of cold water slowly poured over you. Little things, but why?

So... I was pleasantly surprised last Monday night at the Dinner organized by the CDC and Residence Life in the library in Avery House. Actually it was a "class" as well as a class act. A bunch of seniors were invited to a formal dinner along with some faculty, alumni and staff. The idea was to rehearse the protocols for job interviews. A consultant in Business and Social Manners was present and delivered pointers on etiquette.

While it seemed a priori to have the makings of a potentially boring occasion, as stiff and uninspiring as dinner at the houses is a loose free for all, as seemingly pointless an experience as being floated — it turned out to be a fantastic affair.

Our mentor discussed the importance of responding to an invitation (RSVP = *répondez s'il vous plaît* = answer please), how to introduce oneself "properly,"

and the tricks which can be used to elicit the name which you have on the tip of your tongue, or actually never knew before. We learned how to shake hands with men or women, firmly. We had slippery vermicelli to practice how to eat them *à l'italienne*, delicately wrapped on one's fork. We were told it was OK to do it with the help of a spoon (provided amid the cutlery as the outermost tool to the right). Actually I thought using a spoon for that purpose was "déclassé," not in good taste. My mother would certainly not have approved.

We were served Cornish hen, thankfully sufficiently deboned so they could be enjoyed without presenting too

much of an extra challenge. An excellent salad, and dessert of poached pear with "Crème anglaise" and a delicate but luscious chocolate leaf (an oblong lanceolate leaf with a serrated margin and pinnate venation, obviously gathered with care by the chef from the

local chocolate tree) ended the meal, along with a toast raised with ersatz champagne.

I thought right away, *tout de suite*, that it was too sweet, but apt nevertheless. And did you realize that the expression "to turn

the tables" refers to the flow of conversation around the table, first clockwise, then counterclockwise? That, somehow, I don't believe.

I do, however, believe that it is important to thank people for their invitation. The whole thing was made possible through the generosity of an Alumnus, Mr. James V. Crawford, Class of '40, of Chicago, not that capital of culture, Paris. He deserves the warmest commendations for his thoughtfulness and unusual gift.

What a pleasant contrast to the usual treatment of the same theme (dinner) in the houses! This was an event right along the hopes of those people in 1909, plotting for our futures 87 years ago...

Rise, ye cultured graduates and proudly spread the manners and knowledge you have acquired. Hopefully others among you will be able to share this experience in the future.

A bientôt,

*J.P. Revel*

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# Baseball season opens

BY AMANDA SCHAFFER

On February 1st, the Caltech Beavers played their first game of the season, hosting a double header with Dodgertown.

In the first game, both teams came away with two runs in the first inning. Dodgertown managed to come up with five more points by the 7th inning. Caltech started to rally in the seventh, but could not get quite enough and the game ended with Caltech down 7-5. Freshman Greg Fricke went 2 for 4 and hit a two-

pitch went sailing over the third baseman's head, easily bringing in one runner. As their second runner rounded third, Roopesh Doshi relayed the throw to home and caught the runner for the final out of the inning. In the bottom of the sixth, Caltech answered back with three runs. The final saw the Beavers winning 8-4. Fricke went 2 for 3, getting two RBI's and scoring three runs. Doshi also went two for three, and first baseman Matt Dawson was 2 for 4, scoring twice.

On February 5th, Caltech hosted Pasadena Community College. Despite a gallant effort by the Beavers, PCC came out on top, winning 12-3. Freshman

*But Caltech battled back and with another two run homer from Fricke, the score was 2-3 after the third.*

In the second game of the day, Dodgertown took the lead in the third with three runs. But Caltech battled back and with another two run homer from Fricke, the score was 2-3 after the third. In the fifth, Caltech took the lead and never looked back. In the top of the sixth, Dodgertown had runners on second and third with two outs. Junior Kevin Bradley came in to relieve Jon Allen, and his first

Matt Sullivan made his pitching debut and gave a great effort. PCC only gave up two runs through seven innings. Fricke had a single and Grant Williams hit a leadoff double in the fifth.

On February 8th, the Beavers traveled over to Whittier to play under the lights against Rio Hondo Academy.

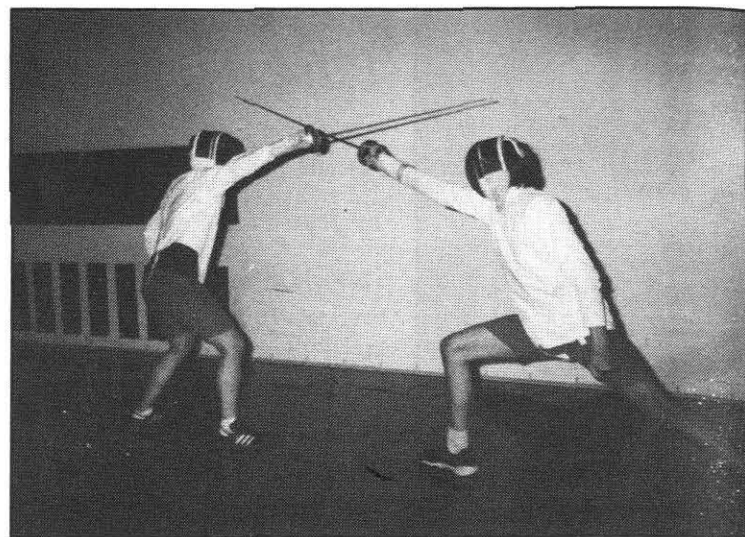
After three, the opponents were up 3-2, with Alan Rosenwinkle pitching. Allen came in to pitch, but the Techers

# Beaver fencing invitational

BY AMANDA SCHAFFER

On February 8th, Caltech once again hosted an important fencing meet. This time the Beavers paired up with UCLA, UCSB, and USC. It was the beginning of the second half of the conference season, and the Beavers strengthened their chances of finishing with honors.

The men's teams had one lopsided victory and split two very close matches. The saber team won all three matches and Xavier Fan moved from second to first place with 22 wins and only two losses. The saber team had a thrilling come-from-behind victory in their match against UCLA. They pulled it out by fencing with brilliance and courage. Frosh Cory Loomis is near the top of the conference with a 16-8 record, while Jorge Palamara, after only a couple of weeks of



Wesley Salzillo and Eric Hale duel to the death. Eric's funeral will be held tomorrow.

frenzied saber training, showed great ability and courage in supporting the team with five key victories against only four defeats. Wesley Salzillo had a great day with seven wins and only one loss in epee.

The ladies had three overall victories, but the foil team,

which started the day in second place, won two and lost one, which put them in a tight situation.

At ladies' foil, Kristie Armentrout finished the day with eight wins and four losses, while Adrienne Bourque won nine and lost three.

struggled, losing by a final score of 12-2.

On February 11th, Caltech traveled over to Citrus Community College to help tune up for the upcoming SCIAAC season. The Beavers came a little flat and gave up five runs in the first inning. The defending Inland Empire Conference JC champs only gave up three hits over seven innings and their batters overpowered the Tech pitchers. Final score saw Caltech with 0 and Citrus with 15.

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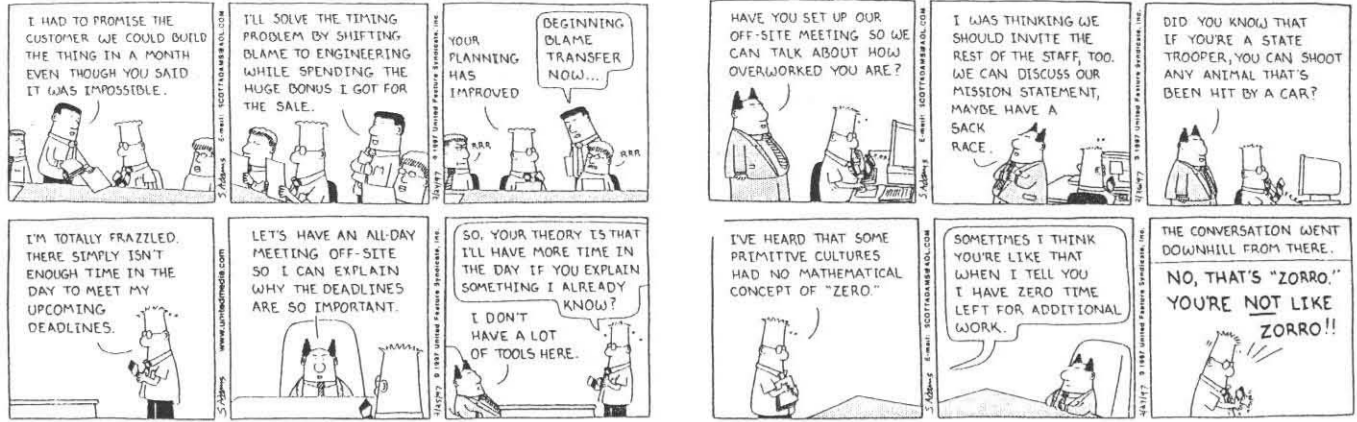
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CONTINUED FROM PAGE 6

Grand Canyon in the summer of 1993 - an impressive sight, but it was created over millions of years of patient erosion by the Colorado River. I had seen Crater Lake in 1986 - formed in violence by the explosion and collapse of Mount Mazama, to be sure, but comfortably separated from me by several thousands of years. This however, happened yesterday, geologically speaking. I felt very small for someone my size, and for a brief moment I was glad I had decided not to take the phenocryst-studded rock I picked up at the lighthouse, lest a stream of liquid Fo-88 spurt out from the ground in vengeance and vaporize me on the spot.

After "Primal Terror Stop #1", we headed north through the small village of Paoa and then turned southwest to climb up Kilauea itself towards our campsite on the grounds of Hawaii Volcanoes National Park, where we would spend about half of our trip. We had three small cabins, some barbecue grills and A SHOWER! With hot water and everything! We were living in style! Later that night, I went for a walk to try to find some of the celestial objects that are not visible from most of the continental U. S. I was able to see Canopus (the second brightest star of the sky and just on the horizon at Caltech's latitude) and Comet Hyatukate (then prominent on the front page of the Honolulu Courier) even though the clouds hampered me a little. But alas, a passing seagull mistook my head for a moss-covered rock and dropped a seagull on it, rendering me unconscious before I could take in any more of Hawaii's celestial wonders. Probably served me right.

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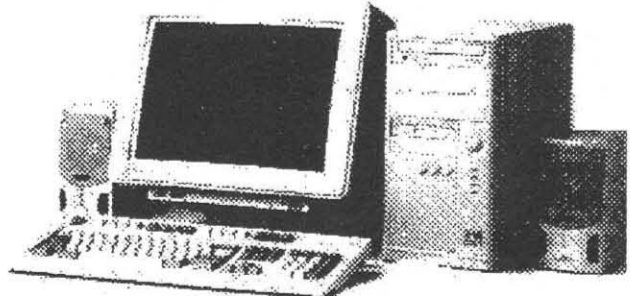
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## Events

This week's ASCIT Movie is *3D Creature from the Black Lagoon*. It will be showing at 7:30pm and 10:00pm in Baxter Lecture Hall. Admission for ASCIT members is \$2.00, and \$2.50 for non-members.

→The IHC secretary signups will be up next week outside Winnet. Sign up!

TACIT will perform Tom Stoppard's "*Dogg's Hamlet, Cahoots Macbeth*" at Ramo Auditorium. The play will be showing Thursdays, Fridays, and Saturdays at 8:00pm, and Sundays at 2:00pm, on February 20th -23rd and February 27th-March 2nd. David and Judy Goodstein will pay for the ticket for any Caltech undergraduate who wants to see the performance. Just sign up at the Deans' Office, 102 Parsons-Gates for any performance and the ticket will be waiting for you at the box office.

Acrobats of the Chinese Zodiac will be performed at Beckman Auditorium, on February 22nd, at 8:00pm. The Chinese Golden Dragon Acrobats use the animals from the 12 signs of the Chinese Zodiac to create an "Eastern Circus" with acrobatics, magic, music, and dance. Admission for Caltech students is \$5.00. For more information call x4087.

→Travel lecturer Don Cooper will present "*Canadian West*," an Armchair Adventures travel film. The film will show in Beckman Auditorium, at 8pm, on March 7th. Admission for Caltech students is \$3.50 and \$4.50. For more information call x4652.

→The Men's Glee Club will give its winter concert in Ramo Auditorium on March 7th and 8th, at 8pm. Under the direction of Donald Caldwell, the Glee Club will present a two-part program featuring folk songs from around the world. Admission is free. For more information call x4652.

→The UASH meeting scheduled for April 1st has been changed to Monday, March 31st, 1997 at 9am. All reinstatement and miscellaneous petitions must be turned in by Friday, March 28th at 4pm.

Salsa classes with Richard Orozco of Let's Dance LA continue during February in the Dabney Lounge Thursday nights this term from 7pm to 8:30pm. The cost is \$3.75 to Caltech undergraduates, \$5.00 to other Caltech and JPL affiliates, \$5.50 to non-affiliates. Beginners, singles, and couples are welcome. The classes are sponsored by the Caltech Ballroom Dance Club with professional instructors from Let's Dance LA. For more information call Adam Showman at 796-1098 or showman@earth1.gps.caltech.edu.

The Caltech Ballroom Dance Club will offer free beginner Waltz lessons in Winnett Lounge 8-

9:30pm Wednesday evenings, Feb 5th, Feb 12th, and Feb 26th. A Viennese Waltz crash course will follow. Check out the club's new web page: <http://www.caltech.edu/~ballroom>.

Free tickets are now available for the 25th anniversary concerts of the Women's Glee Club. There are two performances: Friday, Feb. 28th and Saturday, March 1st. Both concerts begin at 8:00pm in Dabney Lounge. Get your free tickets at the Caltech Women's Center in Winnet, or leave a message at x3221. The performances include works by Brahms, Fanny Mendelssohn Hensel and Schubert. Additional music is by Debussy, Caccini, Strozzi, and a special commissioned work by Maria Newman.

The Prefrosh are coming! Prefrosh Weekend will be held from Thursday, April 17th until Sunday, April 20th. Any organizations, groups, or departments wishing to hold Prefrosh Weekend activities are encouraged to contact the Prefrosh Weekend Planning Committee to organize scheduling, etc. Also, any comments or suggestions about Prefrosh Weekend will be welcomed. Send email to [dina@admissions.caltech.edu](mailto:dina@admissions.caltech.edu) or call the Admissions Office at x6341.

## From the Counseling Center

Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

## Stress Management for Students

For help in learning how to relax and manage stress, Jon Pedersen, Ph.D., and Fern Klapper, M.A., of the Caltech Counseling Center, will be offering a four-week workshop beginning February 11th. On each of four consecutive Tuesdays, from 12:00 - 12:50pm, a variety of practical, simple, and effective techniques will be taught, ranging from pro-

## Mints

→ denotes a new announcement.

gressive relaxation to basic meditation techniques to the principles of healthy living. The sessions will be primarily experiential and will build on material from the previous week. This workshop is open to any student and if you are interested, please contact Dr. Pedersen at x8331.

The Caltech Counseling Center is sponsoring a program entitled "Stress Management in the First Two Years of Graduate School." This program will consist of a discussion and presentation by a panel of graduate students (Selena Forman, Weng Ki Ching, and Ivett Leyva) and Counseling Center staff Aimee Ellicott, Ph.D. and Deborah Southerland, M.A. We will focus on the specific kinds of stress grads encounter as first and second year students, such as adjusting to graduate school, qualifying exams and relationships with advisors. The program is open to all graduate students and will be held on Thursday, February 13th, from 6:00-7:30pm in Winnett Clubroom One. Light refreshments will be provided.

If you have any questions about these programs or want to discuss your individual questions or concerns regarding coping with stress, please contact the Counseling Center at x8331

## Fellowships and Scholarships

**Literature Prize Announced.** The Literature faculty is pleased to announce the 51st Annual McKinney Competition. The Mary A. Earl McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. This year, prizes will be given in three categories: poetry, prose fiction, and non-fiction essays. All submissions must be typewritten and double-spaced. In the poetry category, entrants may submit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prizes in each category will be \$300. Each student is entitled to only one entry in each category. All contestants must submit their work to Professor Jenjioy La Belle, Division of the Humanities and Social Sciences, 101-40, by no later than **April 4, 1997**. No entries will be returned. Each category will be judged by a committee from the Literature faculty. Essays will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced in May, and the names of the winners

will appear in the commencement program. The Committee may divide the award in each category in case of more than one outstanding submission. Previous winners in any one category are not eligible for the competition in that category. If you have any questions, contact Professor La Belle, x3605, or Doreen Domb, x3610.

From the Dean's Office, 102 Parsons-Gates.

Caltech students interested in a career-related to environmental public policy and Native American and Alaska Native students interested in careers related to health care and tribal public policy are invited to apply to be named a Morris K. Udall Scholar. The Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation operates an educational scholarship program designed to provide opportunities for outstanding U.S. students with excellent academic records and demonstrated interest in, and potential for careers in the fields of environmental public policy, health care, and tribal public policy. All applicants must be a current sophomore or junior pursuing a bachelor's degree on a full-time basis, have an average of at least a B or the equivalent, be a U.S. citizen, U.S. national, or resident alien, have a demonstrated interest in a career in environmental public policy or be a Native American or an Alaska Native and have demonstrated interest in a career in health care or public policy. If you are interested, please contact the Dean of Students Office, 102 Parsons-Gates, for an application. Deadline for receipt of nomination materials to the foundation is **March 3rd, 1997**.

The Dean of Students Office is accepting proposals for the Monticello Foundation Internship and the Robert and Delpha Noland Summer Internships. Three to five Caltech undergraduate women will be given an opportunity to participate in research projects outside of the Caltech community for ten weeks during the summer. Each student will receive a \$3,500.00 stipend. Applicants are required to identify the projects in which they wish to participate. All arrangements with the principal researcher will be the responsibility of the student. There are no restrictions as to where the research can be done, except that it must be outside the Caltech-JPL community. Other universities, commercial labs, or any industrial facility in which the student can arrange to conduct or participate in a research project can be the site for the experience. Each student will be asked to submit a short synopsis of her report to the Deans' Office at the end of the summer. If you are interested, please identify a sponsor for your experience at a research facility for a ten-week period. In a short essay, describe your project, and submit it to the Deans' Office in Room 102, Parsons-Gates along with two faculty recommendations. The Deans would like to know for whom you would be working, where, and if possible some specifics concerning your proposed research topic. Proposals must be received by **Monday, March 3rd, 1997**.

From the Fellowships Advising and Resources Office, x2150, e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu).

The American Association of University Women offers a number of fellowships to women who are U.S. citizens or permanent residents, including one year post-doctoral fellowships and special dissertation fellowships. The international fellowship is awarded to women who are not citizens of the U.S. or permanent residents who are engaged in full-time grade or post-graduate study in the U.S. A poster with a tear-off card that allows you to send for an application is posted on our main bulletin board.

From the Financial Aid Office, 515 S. Wilson, second floor.

The Marin Education Fund announces the opening of its 1997-98 Undergraduate Grant application process. Applicants must be residents of Marin County, be enrolled at least half-time in undergraduate study, and have a low to moderate income. Applications are due **March 2nd, 1997**.

The American Women's Club in Sweden will be awarding a travel grant for study and research in Sweden. To qualify you must be a woman, age 18 or over, and an American citizen. You must also be accepted for a period of study or research at a Swedish educational institution or agency and show evidence of financial need. The completed application and all supporting documents must be received by **April 15th, 1997**.

The Jewish Vocational Service is accepting applications for scholarships from the **Jewish Community Scholarship Fund**. The scholarships are de-

signed to provide financial assistance to Jewish students who are legal residents of Los Angeles County, attending college on a full-time basis. Applicants must have a 2.5 minimum G.P.A., must be a sophomore or higher by September 1997, and must be able to document significant financial need. The deadline for submission of completed applications is **April 15th, 1997**.

The American Chemical Society is sponsoring a scholarship program for qualified applicants who want to enter the fields of chemistry, biochemistry, chemical engineering, or other chemically related fields such as environmental science, materials science, or toxicology. To be eligible to apply, candidates must be African American, Hispanic/Latino, American Indian, or Alaskan Native, and must be U.S. Citizens or permanent residents. Applicants must also be full-time freshmen, sophomores, or juniors, majoring in one of the above fields, and must demonstrate financial need. The deadline to submit applications and supporting documents is **February 28th, 1997**.

The Danville-Alamo Branch of the American Association of University Women (AAUW) will be awarding several scholarships of \$500-\$1,000 to female college students who will be juniors or seniors as of September, 1997, and who have lived in the San Ramon Valley, or have attended school there. Applicants will be evaluated on the basis of scholarship, achievement, educational goals, financial need, and campus or community involvement. An application package can be obtained from: Mary Ann Osborne, 2530 Roundhill Drive, Alamo, CA 94507. Completed applications must be postmarked by **Tuesday, April 1st, 1997**.

The John Gyles Education Fund is offering financial assistance to students who are Canadian or U.S. Citizens. A minimum G.P.A. of 2.7 is required for eligibility. Criteria other than academic ability and financial need are considered in the selection process. Selected students will receive up to \$3,000. To receive an application, send a stamped (U.S. \$ .32), self-addressed, No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4. Filing dates for mailing applications in 1997 are **April 1st, June 15th, and November 15th, 1997**.

The Chinese-American Educational Foundation announces its scholarship program for students of Chinese descent. Eligible students are graduate students or undergraduates who are juniors or seniors, and who will be enrolled full-time in Fall of 1997. Eligible students must also be U.S. Citizens or permanent residents. There are two \$1500 scholarships available for graduate students and seven \$1000 scholarships available for undergraduate students. The deadline to submit applications is **March 31st, 1997**.

The ACIL (formerly the American Council of Independent Laboratories) Scholarship Alliance is offering scholarships for students majoring in the physical sciences: physics, chemistry, engineering, geology, biology, or environmental science. Awards are based on academic performance, career goals, leadership, and financial need, and are typically \$1,000-\$2,000. To apply you must be a junior or senior in undergraduate study, or a graduate student. Applications and all supporting documents are due **April 15th, 1997**.

The Coalition of Higher Education Assistance Organizations (COHEAO) is pleased to present an opportunity for students to apply for three \$1,000 scholarships and three \$200 runner-up awards. Applications and supporting documents are due **May 15th, 1997**.

The American Scandinavian Foundation of Los Angeles will be awarding five scholarships of \$1,000 each to upper division and graduate students. Applicants must exhibit a connection to Scandinavia via life experience, field of study, or heritage. Applications and supporting documents are due **March 21st, 1997**. To request an application, write to: James Koenig, ASFLA Scholarship Chairman, 3445 Winslow Drive, Los Angeles, CA 90026.

The Sunkyong Group of Korea and LeaderShape Inc. are sponsoring the "Global Leaders of Tomorrow" essay contest. Entrants must be undergraduate or graduate students at the time their entries are submitted. Essays may be written from one of four perspectives: Business, Government/Law, Science, or Media/Communications. Three winners will be selected in each of these 4 categories. First prize (1 winner in each category) is \$2,500 plus a one week trip to Korea. Second prize (1 winner per category) is \$500 plus one week at a LeaderShape training program. Third prize (1 winner per category) is \$500. The Financial Aid Office has more information. The deadline for entries is **April 15th, 1997**.

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