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Happy  
Thanksgiving!  
No Tech next week.

# THE CALIFORNIA TECH

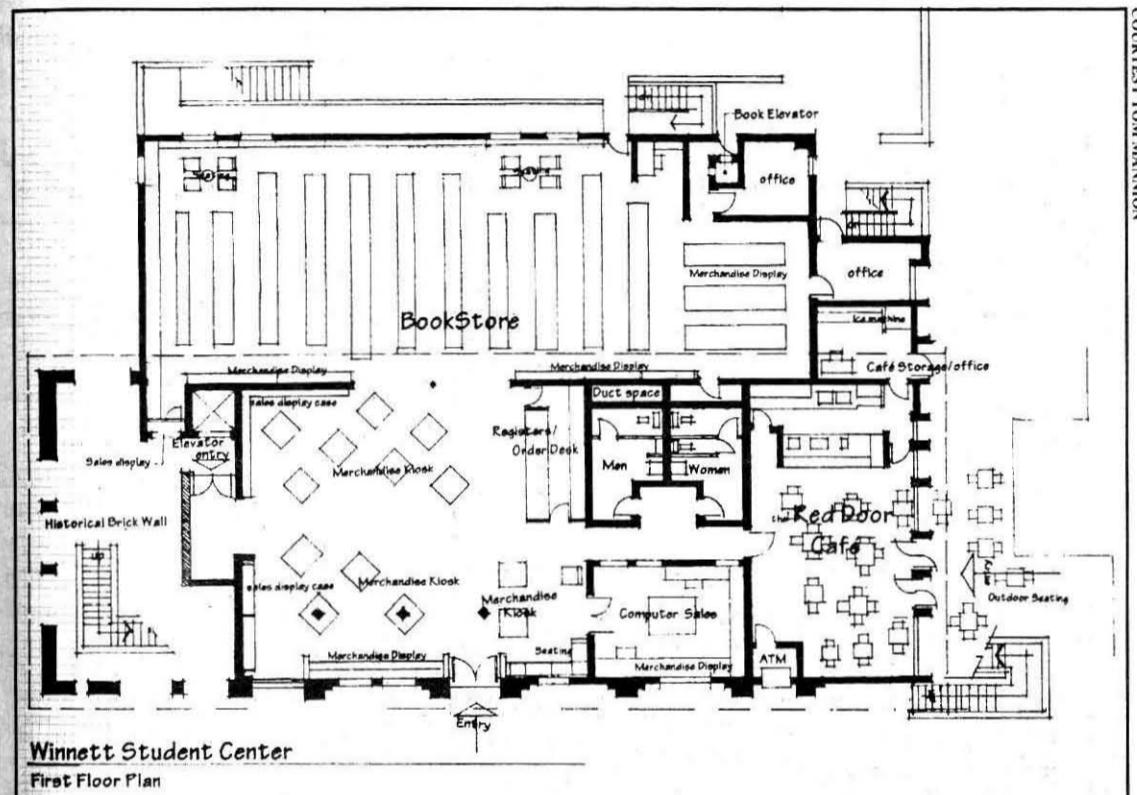
VOLUME XCIX, NUMBER 10

PASADENA, CALIFORNIA

FRIDAY, NOVEMBER 21, 1997

## Open forum to discuss new design for Winnett second floor

Share your ideas with the Winnett Rehab User Group!



Okay, so this is the first floor... Curious about the second floor? The second floor design will be unveiled on Tuesday, November 25.

BY DAN BRIDGES

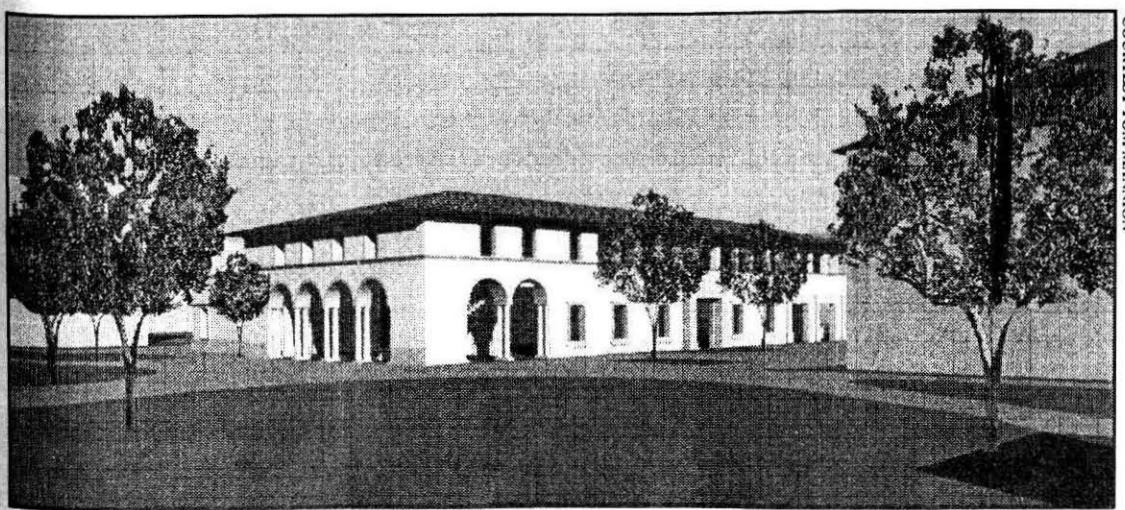
The Winnett Rehab User Group (WRUG) will hold an open forum at noon on Tuesday, November 25, in Winnett Lounge to present and discuss a proposed design for the second floor of the soon-to-be renovated Winnett Building. This group, appointed by Vice-President for Student Affairs, Gary Lorden, has been asked to solicit input from a variety of

sources and submit its final recommendations no later than December 1.

The renovated second floor is scheduled to include a new lounge (to replace the current Winnett Lounge lost to the Bookstore expansion), men's and women's restrooms, and a relocated clubroom. In addition to attending this forum, interested parties are encouraged to submit ideas, questions, and/or concerns via e-mailing to the Committee Chair, Dan

Bridges ([dbridges@cco](mailto:dbridges@cco)), prior to the final recommendation deadline.

The first floor of Winnett Student Center, which in days gone by hosted student publications, will now house an expanded bookstore and the Red Door Cafe. The current Red Door location will become a store selling basic food items (bread, canned goods, and the like) and personal care items like toothpaste and shampoo.



The northwest corner of Winnett Student Center should blend in much better with the South Houses and the Athenaeum after renovations.

## Caltech team places second in annual ACM competition

BY TRACEY LIEBMAN

California Institute of Technology placed second in the 22nd Southern California ACM International Collegiate Programming contest, which took place at California State University at Northridge this past weekend. Caltech's winning team members, Jesse Rosenstock, Aaron Denney, and Tudor Bosman may now have a chance to compete in the World Finals on February 27 & 28 in Atlanta where the top 150 students (50 teams) from around the world will compete. This will be determined at the conclusion of the regional competitions.

The other Caltech team in the competition finished fourth.

The ACM International Collegiate Programming Contest, established in 1970, is the oldest and largest programming competition for the world's universities and colleges, pits teams of three students against a host of real-world, complex problems which they must solve in a set amount of time — fostering creativity, teamwork and in-

Jesse Rosenstock,  
Aaron Denney,  
and Tudor  
Bosman may now  
have a chance to  
compete in the  
World Finals

novation in building new software. Sponsored by IBM, the contest drew colleges and universities throughout the Southern California region.

Contestants relied on their programming skills and creativity to answer these problems as they raced against the clock in the six-hour battle of logic, strategy and mental endurance. The team that solves the most problems in the fewest attempts, and the least amount of time, is declared the regional winner.

"There has never been a more exciting and opportune time for college students to pursue a career in software programming," said William B. Poucher, ACM contest director.

The ACM International Collegiate Programming Contest, established in 1970, is the oldest and largest programming competition for the world's universities and colleges. For more information about the ACM Programming Contest, visit the Web site at <http://www.acm.org/contest>.

IBM has sponsored the contest for the past five years.

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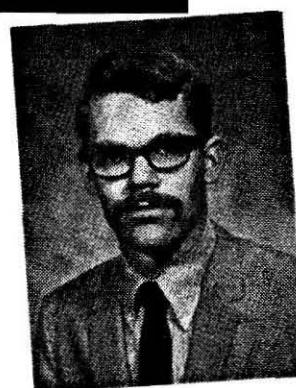
## LETTERS TO THE EDITOR

*Father of Villani:  
Starship Troopers  
disappointing,  
didn't reflect  
Heinlein's genius*

Dear Editors,

The late Robert Anson Heinlein was accused of being fascist by many people. He was almost never accused of being stupid, though, and in that respect the movie *Starship Troopers* does his memory a disservice. As a Caltech alumnus from back when he was still alive (in fact, from back when he was still writing good stories!) I feel an obligation (or at least an inclination) to share some information with younger Techers about the work of the man who for many years was known as "the dean of science-fiction." Left unguided, modern SF fans could easily fall into two serious errors: first, thinking that Heinlein's stories are as silly as the movie, second, deciding to read Heinlein by starting off with his most famous novel, *Stranger in a Strange Land*, which is considered by many fans to be the first evidence of the brain tumor that eventually killed him.

In a nutshell: Heinlein wrote his first science-fiction short story while laid up with a bout of tuberculosis, submitted it to John W. Campbell of *Analog* magazine, and transformed the face of science fiction. Most of his stories were rock-hard science fiction, technically accurate enough to work physics problems from. A short story he wrote in late 1944 about the use of nuclear



weaponry to end World War II got him a visit and a series of probing questions from the FBI, who were understandably sensitive about the topic at the time.

His work was also an example of some of the best storytelling to ever surface in the genre. When he wrote "Starship Troopers" in 1959, he was already a veteran writer, having written *Rocket Ship Galileo* (about a first lunar landing) in 1947, *Space Cadet* (the direct ancestor of *Star Trek* and *Babylon 5*) in 1948, and *The Puppet Masters* (made into a well-adapted movie around 94 or 95) in 1951.

His vision of the future of both technology and society was so accurate as to be almost frightening, when re-read four decades later, especially if you don't buy into his political or philosophical viewpoint. Chapter VIII of the *Starship Troopers* novel could almost be dismissed as the rantings of a right-wing reactionary until one glances back at the copyright date and realizes how accurately he had managed to project 28 years worth of social and political trends. Even for those of us who disagree with him, Heinlein is a much worthier mental opponent, dead, than mean-spirited little twits like Thomas Sowell or Rush Limbaugh ever will be in their lives.

I could go on for a while, but I just dug out an old paperback copy of *Troopers* last night after coming back from the movie, and I'd rather go

back to reading it. In fact, if you can find a copy of the novel (or any other early Heinlein novel!) I would recommend that you do the same!

DAN VILLANI

PH 1969

P. S. Yes, the name is familiar to you; being opinionated and liking to share those opinions runs in the family.

*Math department  
doesn't like  
8 a.m. classes,  
either*

Dear Editors,

The ARC Report in your November 14 issue stated that "The math department has taken to putting classes at 8 am to resolve conflicts." It is true that last Winter when Chem 2 moved its sections to Friday at 9 because of its increase from 6 to 9 units, Math 5, which traditionally meets MWF at 9, did move **one** of its hours to F at 8. This was a result of our learning of the Chem 2 problem only late in the game.

The time was not especially popular with either students or faculty. To avoid its recurrence, we convinced Bio 1 to offer sections in the third term at alternate times to F at 9. Chemistry has agreed to do something similar this year. So it is our expectation that we will not be offering courses at 8 am again. Of course, if students would prefer courses at that time, they should feel free to contact me.

BARRY SIMON  
EXECUTIVE OFFICER FOR  
MATHEMATICS

The voters of California are peculiar bunch. They approved Proposition 187, and complained when it was tripped up in the courts. Two years later, they whined some more as the California Civil Rights Initiative sailed past the judges. At the same time, though, they enacted the blanket primary, the blanket which will smother the very voting rights they cry so loud to protect.

## California: The Perfect Paradoxical Progressive Political Primary Paradise?

BY NEIL STEVENS

The blanket primary in California will be little more than a beauty contest, showing the state caucuses and conventions the desires of the people, desires which can be willfully ignored. What madness is this when the innovations of the Progressives, like initiatives and primaries, begin tearing each other down?

The courts so far have ruled the initiative constitutional, so the only hope is for new legislation. When the petitions come around for the closed primary initiative (and they will, if the Supreme Court doesn't act first), be sure to sign quickly (and often, if you're good at forging your parents' and friends' signatures). It's the only way to protect the voting rights of all Californians.

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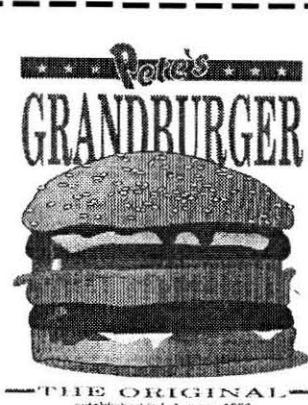
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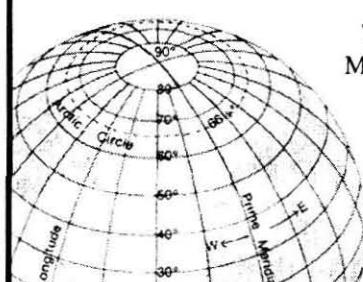
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# Residence Life, Caltech Y new guests in Steele House

BY AUTUMN LOOIJEN

The Residence Life Office and the Caltech Y are temporarily relocating to Steele House (355 S. Holliston), which is traditionally the home of the MOSH. The Residence Life Office is moving immediately, and the Caltech Y will follow on Wednesday, December 10.

This move is in preparation for the renovation of Winnett, which will expand the bookstore and incorporate the Red Door Cafe. The student clubroom will move to the top floor and all other current residents will be relocated. After the renovation, Winnett will be more harmonious with the Mediterranean architecture of the South Houses and the Atheneum, leaving the North Houses as the last bastion of the "neo-

industrial" style south of San Pasqual.

The Residence Life Office, Caltech Y, and Women's Center will eventually assume their permanent homes in Keck House, which is currently being remodeled to accommodate them. The move will leave them closer to Avery House, which, according to Gary Lorden, is "the new social center of campus."

Understandably, chaos will make life more hectic than a seventy unit load during these relocations and remodelings. After the move, the Residence Life and Caltech Y e-mail and phone numbers will remain the same; however, their mailing address will change to 1-94. The offices expect that there may be some e-mail and phone problems during the transition, and ask for students' patience.

## What do you need to know about your future employer?

BY KAREN CARLSON

The Student/Faculty/Alumni Relations Committee of the Caltech Alumni Association and the Career Development Center are sponsoring their second career panel on Tuesday, November 25 at 7:15 p.m. in Fleming House Lounge. The panelists will discuss what you need to know about your future employer and what your future employer needs to know about you.

Panel members include: Joseph R. O'Donnell '84, Systems Engineer,

Hughes Space and Communications Company; Blair A. Folsom PhD 74, Senior Vice President, Energy and Environmental Research Corp.; William M. Whitney '51, Observational Systems Division, Jet Propulsion Laboratory and Susan Fuhs '80, Manager, New Business Development, Allied Signal. Franklin D. Dryden '54, Consulting Engineer, Dryden and Associates, Inc., will serve as the moderator.

Light refreshments will be served. All students are welcome.

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## The Outside World

by Myfanwy Callahan

### LUXOR, EGYPT —

58 foreign tourists were shot Monday at the Temple of Hatshepsut across the Nile from Luxor. Nearly two dozen top Egyptian officials have been removed from their posts, as it is likely that security lapses created the opportunity for the massacre.

### HYDERABAD, INDIA —

A car bomb exploded at a movie studio, killing 23 and wounding 31. Political rivals of the movie's producer, Paritala Ravi, a lawmaker in Andhra Pradesh, are suspected of placing the bomb.

### BELFAST, NORTHERN IRELAND —

Britain announced the withdrawal of a battalion of soldiers from Northern Ireland because cease-fires among the guerrilla factions are holding. However, Britain's Minister for Northern Ireland, Mo Mowlam, said the soldiers would be ready to redeploy at short notice should the cease-fire break.

### MEXICO CITY, MEXICO —

Rebeling police barricaded themselves in their barracks to prevent the arrest of fellow officers accused of torturing and killing six young men. Three senior officers have

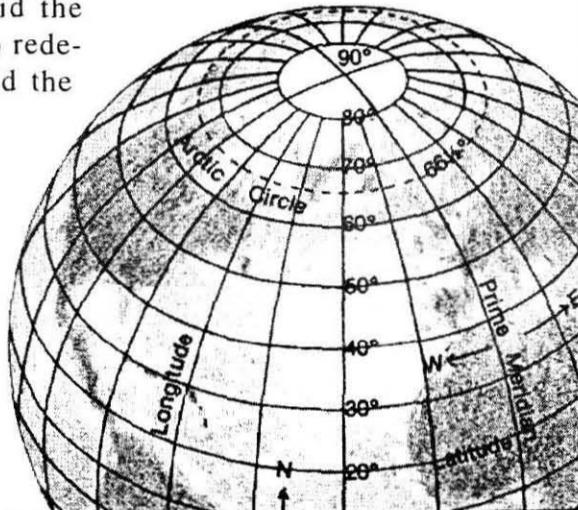
already been arrested for covering up the killings. In the past military officials have been largely immune to civilian law.

### ISLAMABAD, PAKISTAN —

The Pakistan Supreme Court charged Prime Minister Nawaz Sharif with contempt of court, putting the nine month old government in crisis. Sharif urged President Farooq Ahmed Leghari to sign a pending bill amending the current contempt of court act to end the crisis.

### DES MOINES —

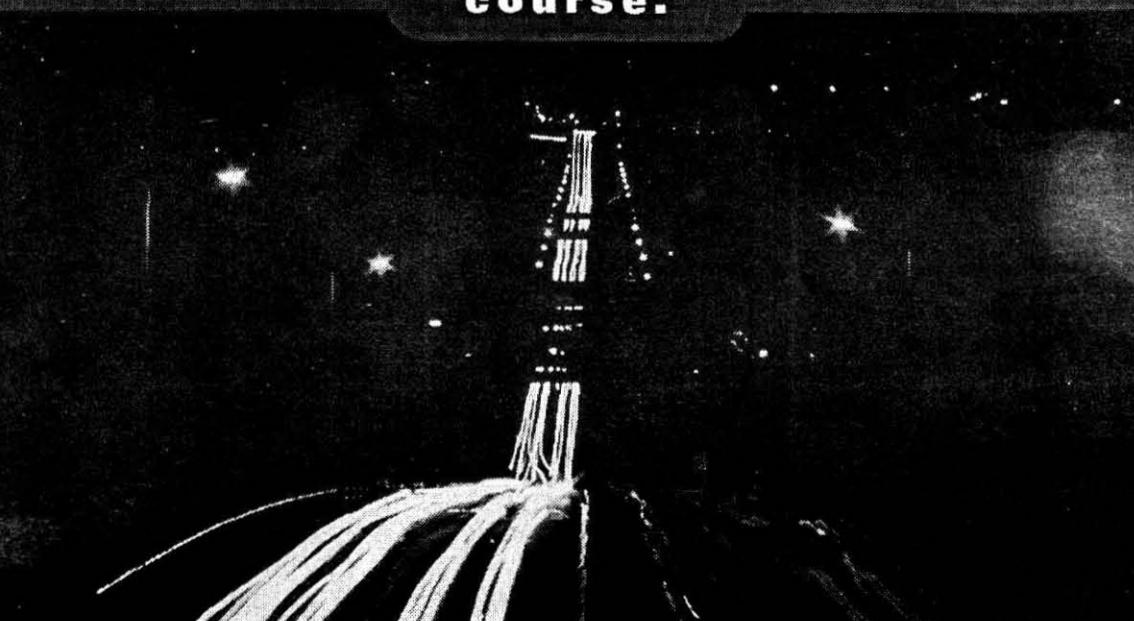
An Iowa woman gave birth to seven live babies Wednesday via Caesarian section, making hers the largest birth in U.S. history. Although the largest is only 3.4 lbs and they are two months premature, all the babies appear to be well-developed and capable of survival.



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Western Digital makes hard drives that are used throughout the world. Our superior products demand that we hire superior individuals. Individuals like yourself - EE, ME and CE graduates who are ready for a REAL job that lets them go the distance - taking projects from beginning to end. We will be interviewing on campus, Thursday, December 4th. Please visit your Career Center to sign up for an interview. Bring your resume and don't forget to check us out at: [www.wdc.com](http://www.wdc.com). Western Digital. It's a chance to drive your own course. Equal Opportunity Employer.

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# B a c k g r o u n d

# House

by Ron Dollete

## Worldly Music

I decided to look at some international music this time around. Some reggae, some gypsy, and finally some traditional Irish. Sorry, no Filipino rap. That stuff sucks. I should know.

all the album is exceptional. The lead singer, Antonico Reyes, sounds a lot like Nusrat Fateh Ali Khan, the qawwali singer that teamed up with Eddie Vedder a while back. This is particularly evident when he tries to scream, and can at times take away from the sound of the album. And for the faint at heart, be warned: Englebert Humperdink's classic "Cuando cuando cuando" shows up on this disc, too.

The instrumentals on *Gipsy Legend* are very energetic and about half of the spoken songs qualify as happy music. The others, like "Corazón Gitano" and "Que Voy a Haçer" have a slower sound, but still maintain the same bold and daring tone of the album. The entire CD sounds like music that you

would want to play on all the Spanish stations that you run into on road trips in the middle of nowhere. Los Reyes combines Latin, Mediterranean and Gipsy elements to provide a wild and rich sound.



Next up is *Tear It Up: The Ska Album* by Floyd Lloyd. The title says ska, but this CD is actually more has more of ska's reggae roots involved. Maybe this qualifies as ol' skool ska. Anyway, the album is a compilation of all sorts of stars, but nobody from the "modern" scene. Because of this, the album felt kind of empty since I was expecting the current ska sounds. I guess I should have gotten the hint when I saw that Floyd was on Tuff Gong, the Marley family

label. There are a few songs on the album that have the quicker, radio friendly beats like "Jesse Jackson" and the title track, but I think the album name is very misleading.

Last is *The Lonesome Touch* by Martin Hayes & Dennis Cahill. Cahill plays guitar, but Hayes steals the show on the fiddle. The duo performs very innovative and rich sounding music that contains traditional Irish elements with a touch of Chicago jazz. The CD sounds somber on the surface, but that's because the intricacies in Hayes's fiddle playing are so subtle, that the music is perhaps only fully appreciated live. Still, the reels are upbeat and exciting and there are some laments for people of the sadder persuasion.



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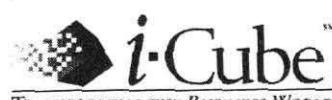
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# Dean's Corner

*When Turkeys are a good thing*

by Jean-Paul Revel

with five

Thursdays did not come up until 1944 and 5 and every five or five and six years after that.

How crass! and here I thought for so long that it was truly an inspired and inspiring date. 1995 was the last recent five Thursday November, and 2000 the next. I wonder if any one has actually tried to see if having an extra shopping week

a c t u a l l y makes a difference in the e c o n o m y ? (Anyone for a SURF??)

But I am not about to undertake that task, I am too busy, I'm late, very very late. I have had all of these students pouring in each with a

slightly different approach to the basic problem that they needed P/F cards, Drop Cards and other miscellaneous demands for protection against catastrophic or nearly so courses, and all without the umbrella of their advisors, who have chosen just this time to go gallivanting around the country or the world.

Actually today, in particular this p.m., there was no way to really keep up with the flood, and I started handing out imaginary tickets to forestall fights as to who was there first. I can sit back and play little games with everyone, claiming I was running out of ink or had cramps in my writing hand. I do hope that these harmless jests don't offend the students. May be they are not harmless and feeble jokes, some people may take them seriously. Believe you me, I can and will be serious when it counts.

Of course one way to avoid these hassles and attached embarrassment, is not to procrastinate and drop courses early, before the rush, and before your advisor leaves town. But I know, I know it is most difficult not to procrastinate. It is a crutch because it lights fires under us, and these fires, just as they cook the Turkeys, propel us to act. In fact I am using this column as a crutch of my own to remind me when Thanksgiving will be.

Coming right down to it Thanksgiving should be every day. Today, well, you know,

n e x t

Thursday, we will be grateful that we are not turkeys ourselves. But short of that we need to remember to be grateful to all those who are here for us. Our parents and family and friends and all the horde of people who work everyday so we in turn may do our thing. I am grateful to the people who serendipitously played a role in my life.

As a boy whose early career was pretty discombobulated by the events around him (France during WW2), I had no right to expect the rest of my career, as it happened to turn out. So I am grateful that going to secondary school only occasionally and rarely for more than a couple of months at a time, did not turkeyfy me. I learned to hunt mushrooms and chop down trees but did not know where Harvard was or what it was, when I came to this country. It was a school in Boston, that I knew, with Rhinoceroses stand-

ing guard in front of the Biology Building. More than that I did not know.

I knew however that the USA was the land of cars, and I was told it was the land of Milk and Honey, and that there was gold in them thar streets. I am still looking for the latter items; they come only with really hard work. As to the cars I had seen them advertised in the Saturday Evening Post, which smelled and felt peculiar, and I actually had seen some (cars) silently sliding through my home town, the old Studebakers, in which front and back ends could not be distinguished. So I was puzzled when arriving in New York I was driven on a highway and there was a thump thump thump, whose origin I could not figure out. Could it be that the sleek slithering automobiles were actually so poorly constructed that their engines went thump thump thump, a bit like a skunk or a hamster warning that they were about to attack. Could it be the gold growing in the streets? When I discovered it was the road bed itself, made of cement slabs (all roads at home were

either dirt or macadam) I was floored...

But I derail, and that is a mode of procrastination, postponing the serious work I have to do. So I am thankful to all the people who by chance entered my life and allowed me to progress to where I am. I am sure that most of you also have similar stories to tell, similar accidental encounters which led you where you are and will lead you further yet.

So as you stuff yourself with stuffed turkey, remember that it is the time to be grateful. Whether your fare is a symbolic piece of turkey shaped marzipan, a Chinese turkey with eight treasure stuffing (Susanna Foo, Chinese Cuisine, Chapters. 1995), or a plain New England butterball, look at your troubles as doors opening in other directions, and your successes as things to be grateful for, because lots of people contributed to it.

HAPPY THANKSGIVING and a bientot

*Mr. My*

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Presents

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*by Jean Anouilh*

*Translation by Lucienne Hill*

*by special arrangement from Samuel French, Inc.*

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# A.S.C.I.T.

## Minutes

NOVEMBER 17, 1996

Present (at some point): Eat your heart out IHC.  
 BoD (minus Mike W., Alex),  
 Maria Satterwhite, Nelson  
 Tavares

Meeting opens at 22:13.

**General Business**

**Publications** - Andrew Strauss may have to go on leave sometime soon. He has assured us that he will finish last year's Big T, but he may be unable to continue on as editor for this year. Kohl is going to meet with the remaining Big T staff (Ben Wu) to talk things over. Also, John is in the process of collecting financial reports from all the publications.

**Lunch** - The BoD will meet with Dr. Gary Lorden (outgoing VP for Student Affairs) sometime in the next two weeks to get his impressions of undergraduate issues. Berries Athenaeum here we come.

**Computer** - Student Affairs has agreed to help us get a new PC. Finally we'll be able to play Quake. John will talk to ex-ASCIT Secretary and ITS guru extraordinaire David Derkits about software and Kiran is going to price hardware options. Kohl wants Mike to make sure that he keeps track of any text that comes with the new machine. Duh. I am the secretary after all.

Meeting closes at 22:43. Meeting opens at 22:46. And shake it all about.

**Phones** - It is generally agreed that undergrads could use access to more phone services (e.g. \*69, \*71, 976-FROG). Mike will get the low-down from the telecommunications office.

**The Seal** - The official

**MINUTES**

ASCIT seal has been missing for some time. Kohl seems to think that it is illegal to run a corporation without an official seal. Mike seems to think that Kohl licked too many stamps as a boy. Either way, Mike will get a new seal. Maybe I'll club one of those cute baby ones. (Okay, it was a cheap joke, I admit.)

**Officer Reports**

**Baldeep** - The UROH letter is still out. The BoD will be eating soon in a house near you. Help us in our grand quest to get Kohl floated at every stop. The craziness starts on Tuesday in Ricketts. The web-based book market may come into being sometime over winter break. The street value of such hot titles as "The Mythical Man Month" and "Introduction to Law and Legal Reasoning" is sure to plummet shortly thereafter.

**Kiran** - Brought the usage logs for the Student Affairs Van Entity. First analysis seems to show a goodish amount of use. Grad students sure like to go places. Who knew? The BoD throws around alternate ideas for what to do with the old ASCIT van. How about an ASCIT car

or an ASCIT pick-up? I say we get a Charger and paint it like the General Lee. We could cement the doors shut and have security chase us all over campus. In the rousing finale, Kohl and Alex scream "Yee-haw!" as they soar over Throop pond. Seconds later the security truck plunges head first into the murky waters. Looks like them Duke boys got away again. It is decided that we don't have enough info yet to do make a binding decision so the issue is punted but not forgotten. Capra ranch will be reserved for the old BoD/new BoD retreat on the two post-elections weekends. Lee Reavis is slated as the guest of honor.

**Adrienne** - A web-based calendar of campus events will come into existence soon. This presents a new paradigm in ASCIT social team thinking and is generally considered to do be proactive. Installation of the new BoD will take the form of afternoon "drinks" during the eight week of second term.

**Lori** - "I am a flake."

**John** - Wants to do thank Caltech Food Services for

helping to do provide the hot cocoa at early donuts last Thursday. John presents a Top Secret (AMa 95 related) idea. Student bartender salaries are being split between the Houses and Student Affairs. The latter wants us to do let up an account out of which the Houses halves would be paid. Then at the end of the term, ASCIT would bill the Houses appropriately. This system would significantly reduce the paperwork overhead involved as each bartender only has to do have one time sheet (instead of eight). It is proposed that instead of ASCIT providing the buffer, Student Affairs can just suck it up and then bill the Houses when appropriate. Kohl will bounce the idea off Student Affairs. It is decided that should Student Affairs prefers their suggestion, than John will implement it.

**Mike** - The BoD has more than \$1000 set aside to do help fund special events. Mike will advertise this fact more widely sometime soon. Be on the lookout for a not so clever flyer on a column near you. If you want in on some of the loot, come to do an ASCIT BoD meeting with a proposal (Mon-

A.S.C.I.T. CONTINUES ON PAGE 8

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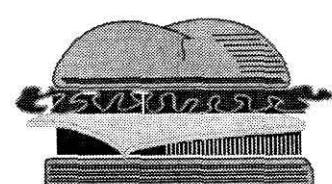
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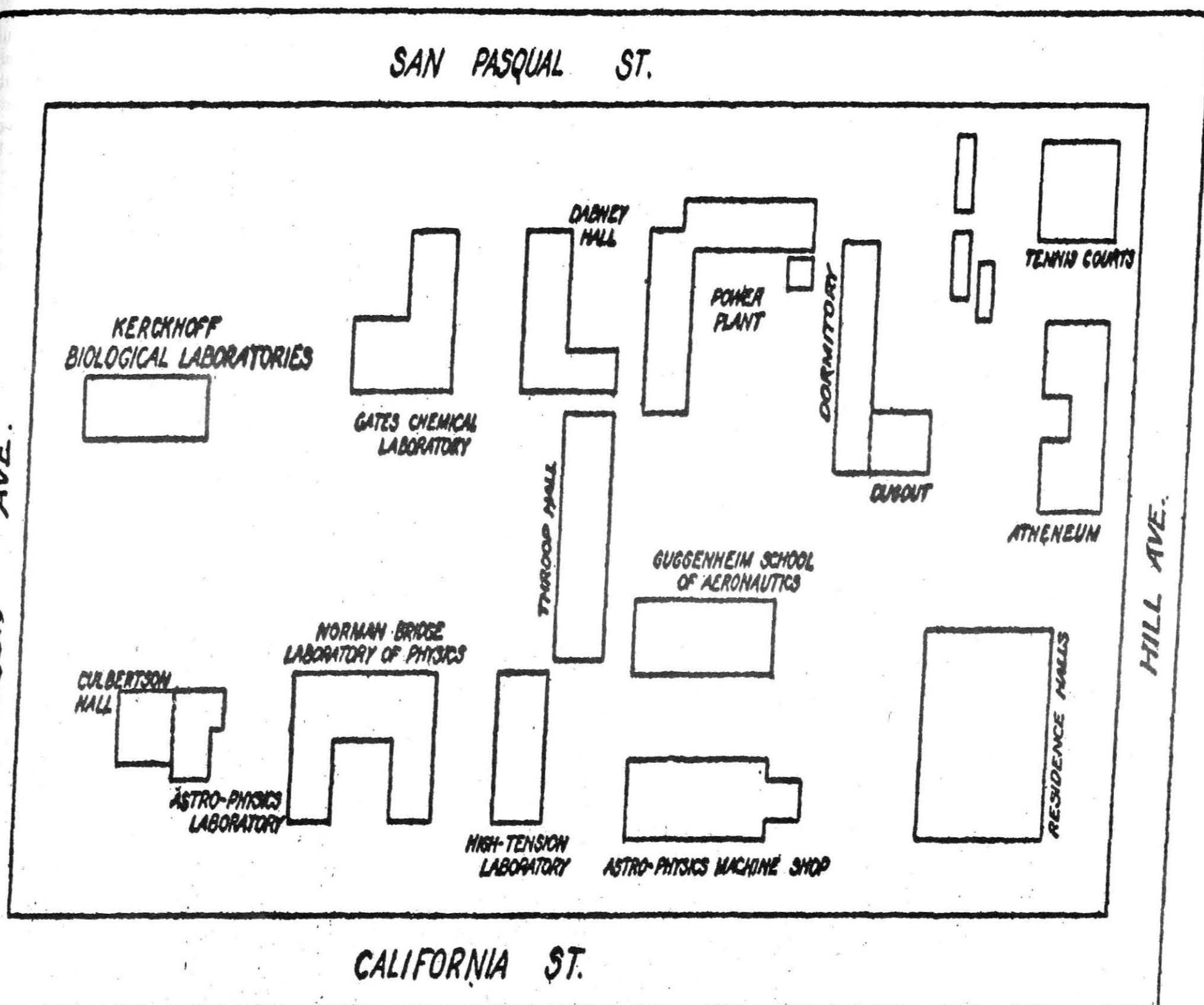
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# WORLD

# ODE TO GLORIA:

Work hard.  
Flick hard.  
Blue Card.  
Drop Card.

Yes, Sir, yes, Sir.  
I know, geez, Sir.  
It's my fault: I know that, please, Sir.  
I don't want to waste my E's, Sir.

I found so many things to do, Sir.  
Puzzle games and WarCraft II, Sir.  
Wander always aimlessly, Sir.  
Flip the channels on TV, Sir.  
Debate Star Trek with my friends, Sir.  
Getting food at 3am, Sir.  
Sitting still for a long time, Sir.  
Making up this silly rhyme, Sir.

Doing work the night before, Sir.  
Skipping reading more and more, Sir.  
Lecture doesn't help me much, Sir.  
'cept for getting sleep and such, Sir.  
The groups I work in get it done, Sir.  
Somewhere in between the fun, Sir.

I don't know how long I'll last, Sir.  
I better change my major fast, Sir.  
I gotta get this drop card signed, Sir.  
My advisor, I must find, Sir.  
Ok, one thing more for my sake, Sir.  
How many cookies must I bake, Sir?

ONE FLEM, TWO FLEM, RED FLEM, UM, RED FLEM

Big  
Meaty  
Red  
Sheep  
They just taste so good!

Sheep, the late night snack you crave!

## Top Ten Things Overheard In The ASCIT Movie Projection Booth

10. "Hmm... 6 volts, 12 watts... do you have any idea how many amps that is?"
9. "We could just get the opaque projector and a copy of the play, display it on the wall, and turn the pages along with the movie! We could call it side-titles..."
8. "If you press down as hard as you can right here whenever the reel is running, it sounds just fine!"
7. "Are these the projectors Fru scammed for 'beta-testing' 8 years ago?"
6. "Does anyone know the number to the 5X lab?"
5. "Have you tried calling the Chinese consulate? Maybe they could find us the bulbs in China..."
4. "So all we need is a pair of pliers, a couple of screwdrivers, a soldering iron, and a 2.7 ohm resistor."
3. "If we picked this projector up and threw it, do you think it would go through the booth window?"
2. "Umm... I know Bruce Willis has a deep voice, but not that deep."
1. "OK, those bulbs weren't quite the right specs, but they're lighting up... looks like we're going to have a movie after (POP)"

No, of course we're not bitter. And just to prove it, here's a bit of advertising in the happy, cheerful, ASCIT Movie style:

Come see Wallace & Gromit's "A Close Shave" and some other neat-o Aardman Animation shorts tonight in fabulous, sound included, hassle-free 16mm! It'll be nifty!

### Fleming to Celebrate:

page House Scheduled for Demolition

Due to demand by the undergraduate community for more parking closer to the student houses, Caltech has approved the construction of a new parking structure. Because it is primarily for the undergrads, one of the student houses will be torn down to make way for the new structure. By an IHC vote of 6-1 the house chosen for demolition was page. "The choice was obvious," said Fleming President Michael Shumway, "because, well, page Sux."

When asked where the current on campus members will live next year, the housing office answered, "Avery is a

fine house with many fine empty rooms that needed to be filled with fine students but I guess will have to settle for filling them with pageboys."

Reaction from page House has been mixed. While the beer room was filled with crying pageboys gone fetal, many of the women were taking the news well. "Oh well, I was planning on moving off anyway," said one freshman pagegirl.

Destruction of page is scheduled for December 12th at 2:00pm. The Fleming cannon will be filled with live ammo and fired at page to commence the demolition.

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BY LEMON AND LIME

You don't believe us, do you? Well, Barry Simon certainly does love you, and we have brought it upon ourselves to bring you this fine and glorious Word! How could it be any other way? Yes, he loves you and all his children unconditionally; in fact, he is such a godlike deity that we should address him as "He" with a capital H because we all know that Barry Simon deserves that capital H. Let us all bow down before Him in His glory as He enlightens us in the ways of epsilons and deltas! Let us listen with attentive ear to His tales of George and Martha!

"Thou shalt goest forth, and thou shalt learnest of the ways of George and Martha in the copious spare time thee hast as Tech of Cal fledglings, and thou shalt further begat thyselfes upon Gomorrah and check thy endpoints thoroughly."

And yet, many know not how to converse with Him, as He has shown himself to be unreachable in His glory and office hours, and cannot truly speak to souls as other false deities have claimed to do. But O, divine Glory! Rapture! He in His x as x approaches infinity wisdom and grace has begat upon us the Holy Scriptures in the form of weekly commandments brought down upon us by Moses and Jebediah and Cherie, the Secretary of His Divinity and Immaculate Conception. And it is our duty, in order to be saved and bring Holy Understanding among us, to make the ultimate sacrifice of numerous sleep-hours upon these Commandments, and their ritual carnal knowledge thereof. And we know they are good!

Furthermore, in His infinite wisdom and sagacity He has begat upon us messengers of the word, who knowest Shit, and in their feeble attempts to convey upon us the Commandments for which we are responsible have caused a Divine Confusion and effectively weed out the sick and weak,

thereby further confusing the teachings of Satan (whom is also known as Darwin) and the divine word of the Simon. And these messengers, these glorious Apostols, descend from the upper limits of Sloan one time per Creationary period, and bestow upon us their ultimate Confusion and Holy Blundering.

But these messengers only number eleven! For the Section of One are heathens and know not of His word, and their Apostle has gone astray. Thusly in His infinite wisdom, He has bestowed upon us one Jean-Paul the Baptist, and he is Good! This Baptist, the paragon of all Apostles who revels in the general confusion and promotes even more, he will inscribe his glorious name upon the golden Cards of Drop, and will be seen within two cubits giving divine lectures upon the science of biology and sexual organs.

May we also learn of the Great Apocalypse which is almost upon us in the two weeks, which He in His immaculate and unyielding wisdom hath conceived. First there shall be seven minutes of the Ride of the Valkyries blasting forth from seven stereos in each of the seven Fine and Populated Hovses. Those who have sold their soul to the evilness of Satan reside in the House of Avery, and shall not be saved. Then a final Commandment will be issued forth by the Secretary of His Divinity and Immaculate Conception, and it will be Good! This will be a true test of who hath accepted the full glory of His teachings, and those who fail will feel the full brunt of His wrath and anger. And the Virgin Kim West shall descend with the seven Graders and they shall grade these finals, and they will see that these finals are Good! And those who fail will be sent to the Underworld and the Virgin shall expunge them from the Holy Land of the Seven Hovses. And all will be well.

Praise Barry Simon in His infinite glory! He shall show us the way in all forms of Mathematical Divinity! May we be humbled as the vilest examples of all things low, in that He may forgive us in His infinite salvation should we fall below the standard deviation! How suitable it is that He shall govern the world! May we all rejoice in it, that Simon reigns, and that His will is done. Let us all remember and rejoice, and love our fucking mathematics professor, for He most certainly loves fucking us!

# The Photoreduced Yet Fulfilling House Horoscopes

**Blacker.** The Blacker griffon will come to life and start devouring all the "food" provided by Caltech's food service. Still unsated, it will also consume all house officers and declare itself Blacker's emperor. Feeling inspired, the remaining house members make cannibalism a staple of their diet. This works well, as their average average GPA increases by a full point over the next two years, proving once and for all that it's the food service that causes previously smart people to mess up after they come to Caltech. After this success, the griffon declares, "My job here is done." He returns to being an inanimate object, ready to strike should trouble ever occur again in Blacker.

**Dabney.** You will receive a surprise visitor during your next hottub session. She will compliment you on your acrobatics and invite you to become a professional. Your career is successful at first, although it declines gradually until you become little more than a sideshow freak. You return to Caltech as a student several years later and find that most of your classmates are still undergraduates there. You finally graduate and then decide to keep getting graduate degrees until you reach retirement age. Upon retirement, you take over the haunting of Millikan Library from Millikan Man.

**Fleming.** You will receive a surprise visit from a shepherd, who will give you and the twenty-seven other Flemers who are with you at the time so free sheep. After instructing you to "use them as you see fit," he will leave, congratulating himself about his magnanimous deed. Several hours later, the sheep will barricade themselves in the Fleming lounge, having discovered the joy of playing billiards. The Fleming president will lead a raid to recover the lounge. He will die in the process, as he will be used as a battering ram to break down the door, but it will be successful. The surviving members of the house will then have their way with the insurrectionist sheep (both living and dead).

**Lloyd.** You will awaken one morning to find that your president has been turned into a giant insect. Though his leadership prowess will prove to be undiminished, his newfound odor will be quite heinous. The odor will spread throughout the house, wreaking havoc to all that stand in its path. In an effort to remove the odor, the president will be transported (by an armored truck!) to a garbage dump in Tijuana. The truck will be abandoned due to the odor permanently contained within, and the Lloydies will walk back to Caltech. When arrive, they will find that Alex Sheive has taken over control of Lloyd House. The entire house looks like

Lower Crotch; empty beer bottles litter all the rooms and public areas; the library has been taken over by scorpions. The smell, however, is no longer present. The Lloydies who return from Tijuana are quite worried at first, but everything eventually gets better, as all those following Alex flame within a year. Everything returns to normal, although the membership is at an all-time low.

**Page.** You will wake up one morning and find that the beer fairy has left a keg of The Lord's Brew by your bed. You will drink and, although it's of low quality, you won't be able to tell the difference. Once drunk, you attempt to fly to Old Pasadena, but you will instead fall off the Page House roof and break a bone or two. You'll eventually convince someone to drive you to a night club there, but you'll pass out just as you approach the bouncer. He will let you in, although you'll find your wallet much lighter in the morning. When you wake up, you'll find yourself propped up against the building and bird droppings all over you. At this point, you'll sit down and work on your AMA 95 homework as you wait for a kind passerby to give you a ride home.

**Ricketts.** A very large, rusty firepot will descend from the sky and crash into courtyard, doing a lot of structural damage upon impact. The pot will survive, and that will be viewed as a miracle by some. Others will consider it mere good luck. A week later, a fire will begin in it of its own accord and consume everybody living in the south houses (obscure off-campus students will, however, be spared), bringing back an old meaning of the term 'flame' to Caltech. The members of the north houses will spend a day in the south house complex and have a bar-b-que. They will not be punished for this act.

**Ruddock.** Seeking to compete with the Athanaeum, Ruddock House will be converted into a restaurant. Caltech's food service, however, will sue those who start the restaurant for "denying our God-given right to be Caltech's sole food provider." The legal battle will soon become violent, as the food service takes to poisoning the food served in Ruddock House. Fortunately for some and unfortunately for others, many professors and administrators will meet an untimely demise due to food poisoning. The bodies will never be found, although some reports will suggest a certain familiarity in both the food and the scenery of the restaurant. The legal case will reach the Supreme Court, and the members of Ruddock House will win the dispute. Disillusioned with the restaurant business, you and your peers will return to an academic path.

## LLOYD LIBS:

- 1) Type of TV show
- 2) North House, not Ruddock or Page
- 3) Noun
- 3b) adverb
- 3c) strong adjective
- 3d) Noun
- 4b) verb, past tense
- 4c) verb
- 4d) place
- 5) Rhymes with position
- 6) adjective
- 7) meal
- 8) denizens of the north
- 9) adjective
- 10) "restaurant"
- 11) time of day
- 12) rhymes with ducks
- 13) people stupid enough to wake up at 5 AM
- 14) method of travel
- 15) something you get at a bad restaurant in LA.

- 16) adjective
- 17) rhymes with stork
- 18) verb dealing with fluids
- 19) verb dealing with convolution
- 20) first disgusting verb that comes into your mind
- 21) period of time
- 22) rhymes with chill
- 23) verb
- 24) disease
- 25) accurate form of news
- 26) topic of closed door discussion
- 27) modern equivalent of witch doctors
- 28) verb, past tense
- 29) verb, present tense
- 30) noun
- 31) verb
- 32) state of being
- 33) government agency
- 34) verb, past tense
- 35) something government agencies do
- 36) pronoun
- 37) pronoun
- 38) verb
- 39) adjective
- 40) noun



The continuing (1) of (2)  
Episode #6: Some (3) should (3b) get a (3c)  
(3d)  
-OR-  
How I (4b) to (4c) (4d)

In continuing the noble (5) of the (6) senior-frosh (7), a group of (8) set out for the (9) establishment known as (10). Although it was (11), which really (12), the (13) managed to (14) and obtain (15). Indeed, all was (16), until mysteriously some people started to (17). (18), (19), and (20) was all they did for (21). Suddenly, many people felt (22), and started to (23). Indeed, the (24) spread faster than the (25) about (26). Experts, or at least the local (27), were (28) as (29) that if this (30) didn't (31) immediately, everyone would be (32) and the (33) would be (34) to (35).

Next week's episode: (36) mean (37)! (38) a (39) (40)!



**FUCK THE DARBS...**

# I.H.C. MINUTES

## MORE MINUTES

October 31, 1997  
He says the PD will be cool 'cause they froze peppers.

The secretary apologizes for the tardiness of the October 31 minutes. She temporarily thought she was on ASCIT instead of IHC and she was a loser.

Present Lori (chair), Brett (Page), Jeremy (Ruddock), Steve (Lloyd), Marty (Blacker), Geoff (Ricketts), Geoff (Dabney), Shumway (Fleming), Judy (Secretary)

We talk about rewriting the rotation rules to make explicit note that rules are in effect during pre-season and frosh camp. If you have any ideas about rotation rules, please talk to your president or Lori or Judy.

We've been having problems about refs not showing up. The rules state the house gets charged, but where does the money go? The IHC food budget is suggested. Lori will investigate.

Steve shows off his Garfield underwear. We beg him to fashion his Egyptian Cotton next week.

November 6, 1997

At 11:00, Steve (Lloyd), Judy (Secretary), Marty (Blacker) arrive.

Impatient for the rest of IHC, Judy checks her e-mail

to find a message from Lori timed 3:42 "I will be 30 minutes late today so let's start at 11:30."

Lori (Chair), Jeremy (Ruddock), Shumway (Fleming), Geoff (Ricketts), Geoff (Dabney) all arrive. Brett is not here, but we have a pleasant hand drawn image of our friend, the Page president, in the form of a TASCIT poster in his absence.

Munth Party this weekend. No Ruddock Party. Trial and error suggests that Kim wants a lot of notice with party forms!

Lori's investigation reveals that IHC can indeed use the \$20/ref to augment our food budget. We're all pleased, because as Marty points out we'd "rather the money stay within the house system." Now, of course, we're not sure if we want the houses to supply refs or not. Geoff (Ricketts) suggests that if we say the \$20 will go to Avery Council for food, then the refs WILL SHOW. The thought of Fosselman's at every meeting kills that idea.

Please tell IHC what you think about rotation rules...Unless, of course, you think they're all fine rotation rules. IHC remembers Caltech 1a, and we decide to (send Lori on a mission to) seek out Kim

to talk about it.

David Baltimore wants to meet with IHC. That's pretty cool.

The 7 houses plus ASCIT all having bartenders is too confusing for payroll. Someone suggests no more bartenders...Someone suggests no more DAPAC. Instead, ASCIT will be charged for all the bartenders and the houses will pay them back, which seems like an equally reasonable alternative.

So the question arises, where's the new Superchef? Is he hanging our in Avery? Geoff (Ricketts) points out "Dude, he brought Onion Rings", "But he took away frosted flakes," the most popular cereal in the country Geoff (Dabney) laments...And when will we have those chicken crepes?

With thoughts of TFM and CDS, we end the meeting.

Respectfully Submitted,  
Green IHC Secretary

November 13, 1997

Present: Lori (chair), Judy (Secretary), Jeremy (Ruddock), Steve (Lloyd), Brett (Page), Shumway (Fleming), Geoff (Ricketts), Bill (not Marty, Blacker)

Steve went to BC and Gary gave him a great discount if he would give the house presidents flyers to pass out about BC lunch specials. It seemed like a good idea, only Steve got sick after his meal, but he passed out the flyers anyway.

Jeremy found "The Wanderings of Discobolus" in a pile of junk in Ruddock. It's a book that has all the disco challenges recorded from 1959-1965 and for one month in 1973. The book is cool 'cause it documents Ricketts beating Page in football. We decide that it would be cool to use it again.

We're in need of student bartenders, so if you're over 21, apply. There's probably more jobs available for people who know how to bartend than there are for people who know how to interpret a wave function, so phys majors in particular should consider this.

Geoff (Ricketts) informs us that if you have a Pavillions Plus Card, you can get a 12 pack of Weinhard's for \$5. Brett asks when Pavillions closes. They close at midnight. We adjourn at 11:23.

Submitted,  
Judy Green  
IHC Secretary



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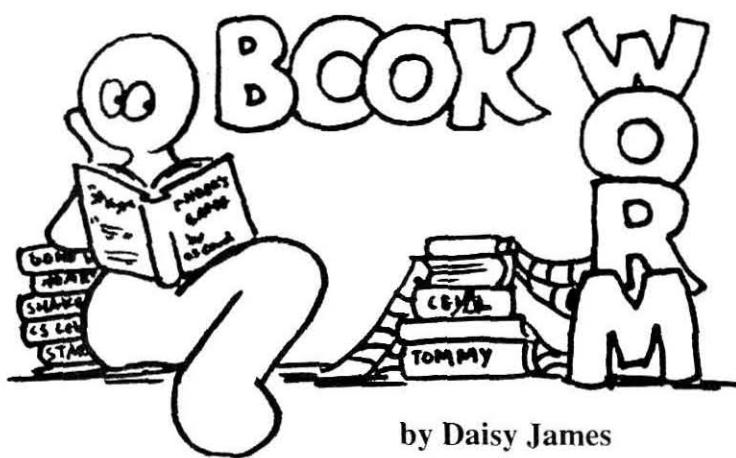
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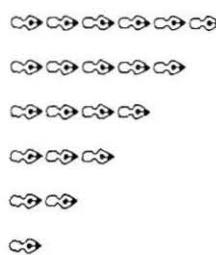
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**Whoa**  
**Cool**  
**Uh-huh**  
**Okay**  
**Eh**  
**Ugh**

**Snow White  
and Rose Red**by Jakob and Wilhelm Grimm  
illustrated by Gennady Spirin

I don't believe that this is the story as the brothers Grimm told it. I have read other versions that make much more sense and it was, in fact one of my favorite fairy tales. It is about two sisters who befriend and help a bear, who is of course a prince, and also several times give aid to a

grumpy dwarf who turns out to be the villain of the piece. The way it is told here, none of the motivations of the characters are clear and the plot seems to move simply because it has nothing better to do, not because there is anything to drive it. The pictures, while I'm sure that they have technical merit, seem inappropriate to the story. Worst is the fact that the girls are drawn as being about five years old, which makes the fact that by the end they are

both married less romantic than sick. They also seem to be exceedingly fat and a bit out of proportion with their environment. I was sorry to find all of this in a book which I expected to enjoy.

**Something Very Sorry**

by Arno Bohlmeijer



I'll admit it, I cried. This is a true story of a nine-year-old girl and her family after a car accident, told in her voice and written by her father. The emotions are real, not maudlin, and the effect is very powerful. The story centers on the gradual death of her mother, who was in a coma, and the stages of grief the Rosemary goes through while she and the rest of her family recover. It is not a fairy tale, and the hope at the end is very faint. The heroine is not a picture of quiet suffering, but the reader understands the motivations behind her moods and is sympathetic to what would otherwise seem irrational and

selfish. In all, the book is more poignant than heart-warming and it gives a deep sense of reality.

**Dave Barry is From Mars and Venus**

by Dave Barry



This is great. Dave Barry has been consistently hilarious since about 1984 and in this collection of his columns he shows no sign of slipping. The topics range from what color socks look best when you are naked to stealing signs from Hiltons in order to be on Oprah. Really. Most of his other books are like this too. The title doesn't mean much of anything, as he explains at length in the introduction. It seems to be the result of a compromise between him and the publisher because they did not want to use the word "damn" and he did not want to appear with no clothes on. Anyway, it's funny.

*It is not a  
fairy tale,  
and the hope  
at the end is  
very faint.*

**A.S.C.I.T., CONTINUED FROM PAGE 8**

days at 22:00 in SAC 64). Be sure to do bring a written version for the official records or Mike will rip out your soul and eat it with his Captain Crunch. In the last election, Prop. 187 and 667 were defeated. Brigitte Roth is the new BoC Secretary and Prop. 665 is now part of the official bylaws.

**Kohl** - Still looking for student leaders interested in meeting with a group of students visiting from Singapore. Let Kohl know ([kohl@cco](mailto:kohl@cco)) if you are interested. Kohl feels like the BoD should take the student body's opinion more into account before presenting bylaw proposals. Kohl raises the idea of getting some ASCIT party equipment (e.g. lights, a fog machine) that would be available for checkout by students. Adrienne will look at some prices.

ASCIT dues have been \$20 a term since 1984. Using the Consumer Price Index (from Kohl's almanac), that means that we are operating on the equivalent of \$12. ASCIT's total budget has almost halved in recent history. Kohl wants to do consider where the student body wants ASCIT to do be in the future.

Meeting adjourned at 00:23.

Respectfully submitted,  
Michael D. Astle

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## Crime and Incident Beat

by Anna Sims

**Nov. 3, 1997**

### Attempted Theft

At approx. 12:15 p.m., victim reported someone tampering with his locker. Suspect was seen by witnesses attempting to gain access into the locker. Suspect was viewed leaving the scene at a high rate of speed going northbound through the Tournament Park parking lot in a VolksWagon Rabbit, witness was unable to obtain license plate number.

### Smell of Smoke

At approximately 6:24 p.m., Security responded to an activation of a pull station in the women's rest room on the second floor of the I-PAC building. The fire department responded to the call. Smell possible from the light fixture.

**Nov. 4, 1997**

### Intrusion Alarm

At approximately 1:27 a.m., Security responded to an activation of an intrusion alarm in the Robinson Lab. Alarm was activated by students exiting lab.

**Nov. 5, 1997**

### Incident

Security responded to a report of a loose dog on campus. Security attempted to assist in resecuring the dog but the dog appeared to be vicious and out of control. The Humane Society was contacted. The owner of the dog released the dog prior to the arrival of the Humane Society. The owner of the dog was advised not to return to campus with the dog.

**Nov. 6, 1997**

### Suspicious Persons

At approximately 12:10 a.m., security responded to a report of unknown persons jumping the fence near Central Plant. Upon arrival it was discovered that the subjects were students. Students were advised to use the access gate.

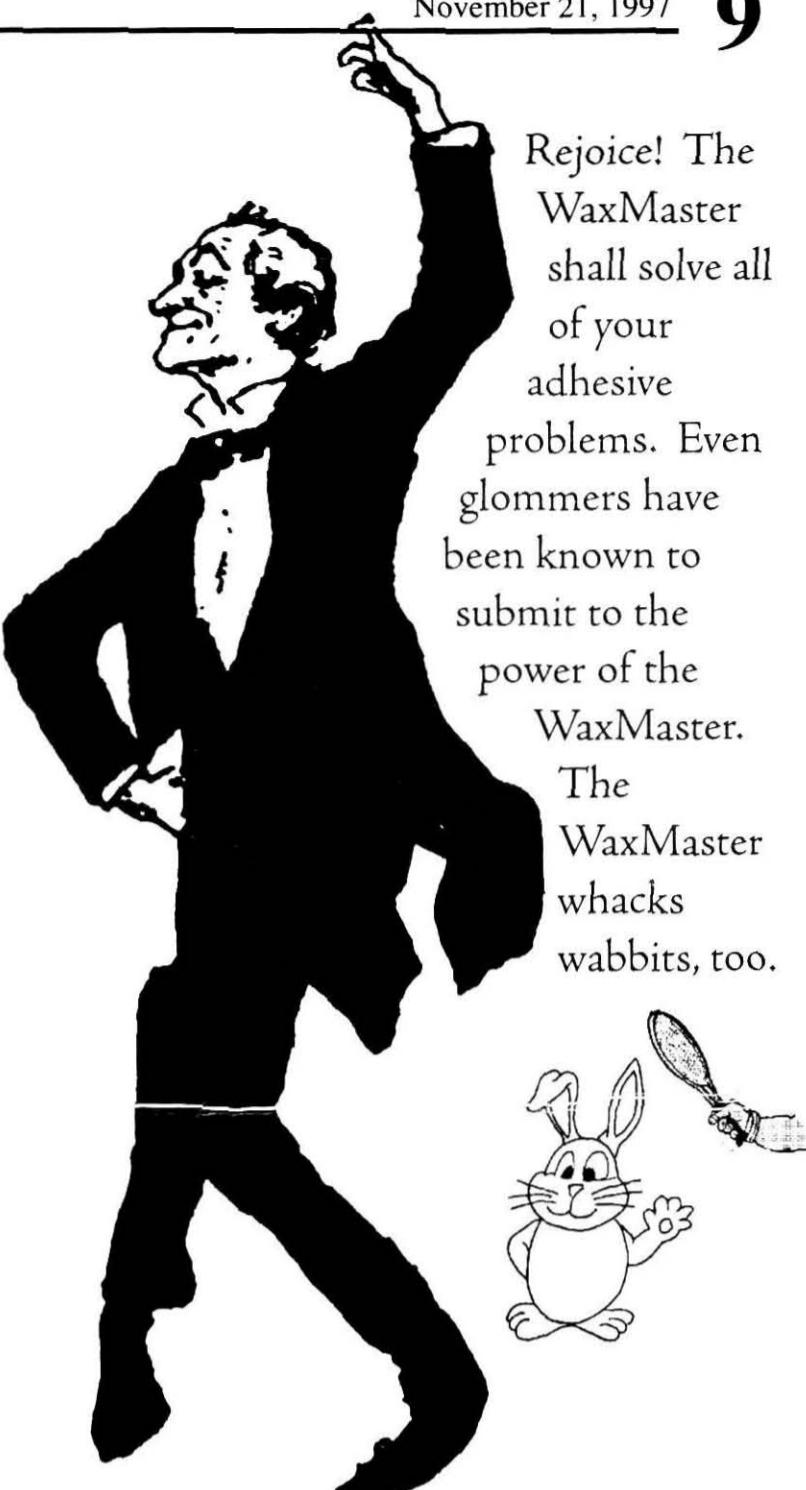
**Nov. 10, 1997**

### Theft

On November 9 at approximately 7:30 p.m., victim parked her vehicle in the parking area of 1111 Blanche Street, space #31. On Nov. 10, at approximately 7:40 a.m. she returned to her vehicle and discovered that her vehicle had been burglarized. A CD changer valued at \$500 and a CD rack valued at \$100 were taken from the vehicle.

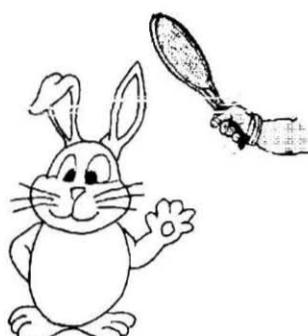
### Burglary

Victim placed wallet on office desk at 3:30 p.m. Victim discovered the wallet missing at 4:30 p.m. Suspect had already charged merchandise valued at \$170 on the stolen credit cards.



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kindly respond to this invitation, now while it is convenient, by completing the enclosed information card. Should your inclusion be confirmed there is **never** a cost or any obligation whatsoever for publication of all information submitted on the enclosed information card.

On behalf of Strathmore's Who's Who, we wish you continued success.

Sincerely

Sincerely  
*Denise Parker*

Denise Parker  
Executive Director

ISBN 1-809347-01-9  
ISSN Library of Congress 1076-6375

It was with great surprise that we got this letter in the mail. Ted Rivette never existed - it's just a name we send to people who might send us junk mail! We can't resist sending in the card, but we need help filling it out creatively. Send your ideas to The California Tech, 40-58, or drop them in the IN box.

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## PhD Graduates

**PhD Resume Deadline November 14, 1997**

## PhD Round '0' Interviews: December 9, 1997

## **PhD First Round Interviews: January 6, 1998**

# **PhD Final Round Interviews: January 1998**

## Graduating Seniors

## **Associate Resume Deadline: December 5, 1997**

## **Associate First Round Interviews: January 14, 1998**

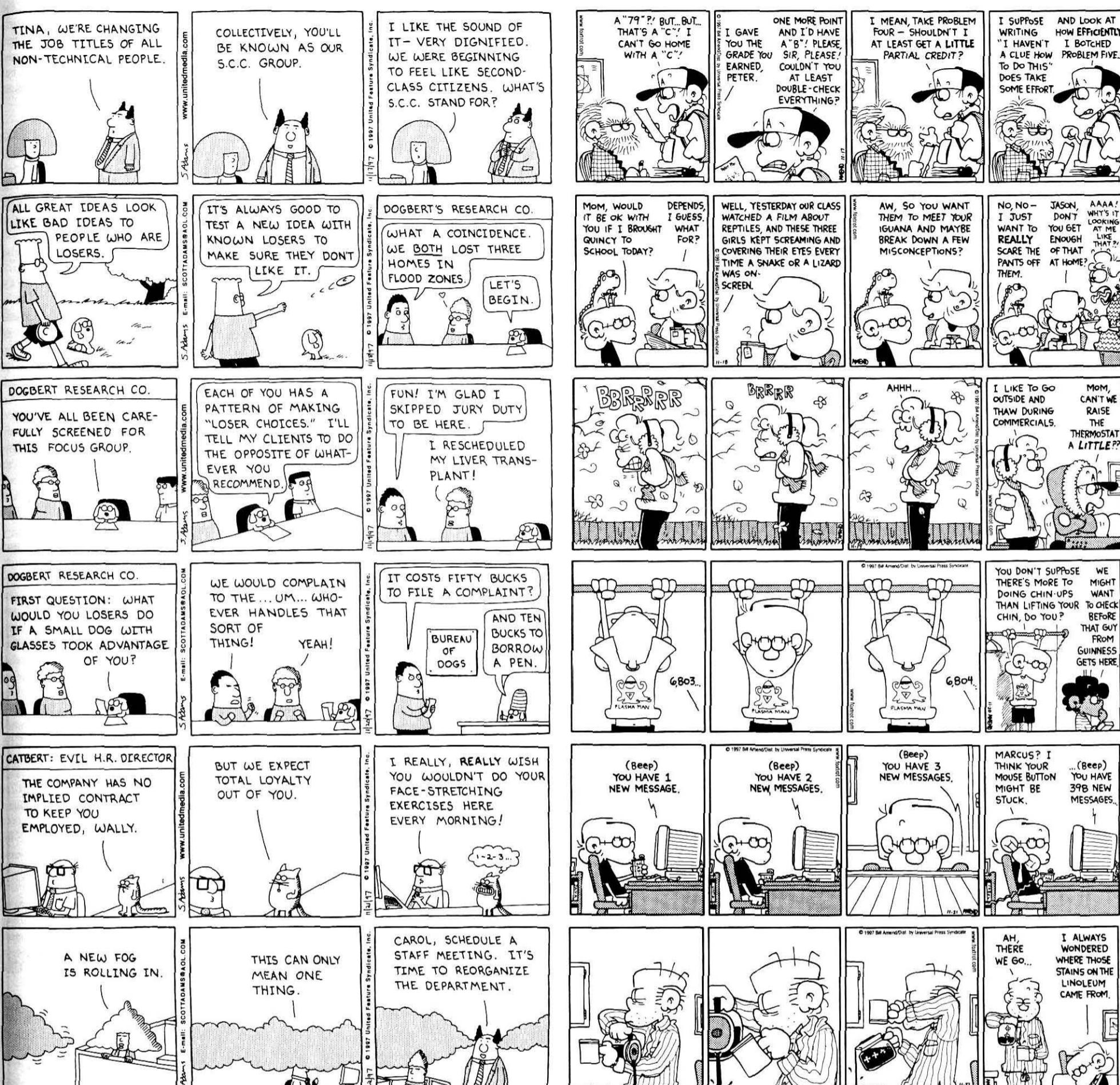
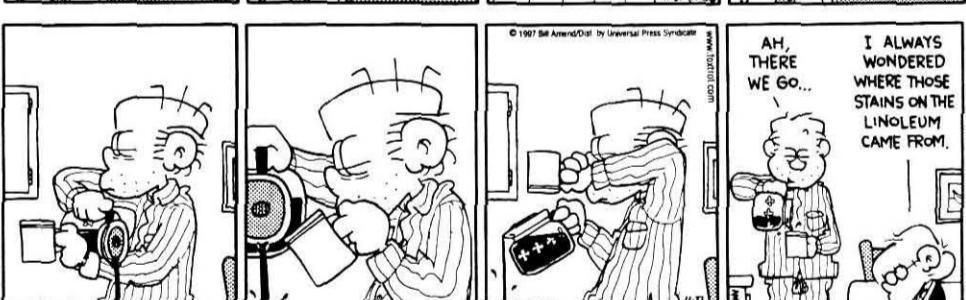
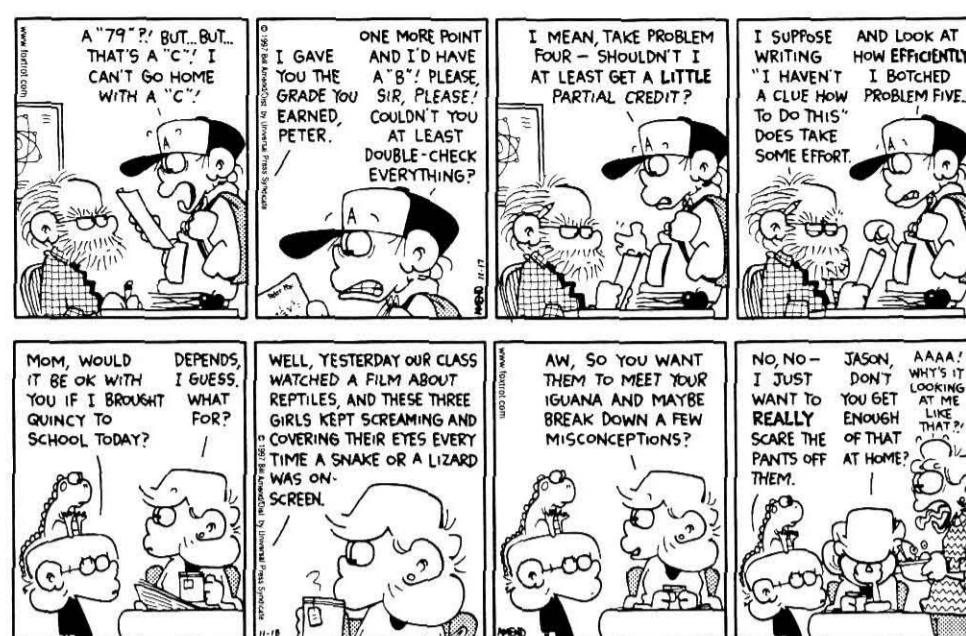
## **Associate Second Round Interviews: February 17, 1998**

## **Associate Final Round Interviews: March 1998**

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## Announcements

\* **Z-League Volleyball**, "just-for-fun" pickup volleyball, runs throughout first term from 8:30 to 10:00 p.m. Monday nights (excluding November 24th), and is open to anyone who can get into Braun gym. Additionally, a beginning/intermediate volleyball class is offered from 8:00 to 10:00 p.m. Wednesday nights, also in Braun Gym. Additional information is located at <http://www.cco.caltech.edu/~vbball/VB.home.html>.

**The Gay/Lesbian/Bisexual Discussion Group** meets on the first and third Tuesdays of each month from 7:30 p.m. until 10 p.m. in the Health Center lounge. This is a confidential meeting and does not imply anything about a person's sexual orientation—only that s/he 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 will be served. If you would like more information, please call x8331.

Sparrowgrass Poetry Forum, Inc. is offering a grand prize of \$500 in its new **poetry contest**. The contest is free and open to everyone, one poem per poet. Deadline is November 30, 1997. Send entries to Sparrowgrass Poetry Forum, Dept. LM, 609 Main St., P.O. Box 193, Sisterville, WV, 26175. Poets may also submit poems electronically at <http://www.tinplace.com/sparrow> or by e-mail, [Sistersv@aol.com](mailto:Sistersv@aol.com).

Beginning November 12th, and continuing every Wednesday into December, the **Caltech Ballroom Dance Club** will be offering free beginner Cha-cha classes, taught by Derrik Bass. Additionally, on Thursdays, the Argentine Tango will be taught by a professional instructor. Cost for the tango class is \$20 for four sessions (\$16 for undergrads). THERE WILL BE NO CLASSES THE WEEK OF THANKSGIVING. Refreshments and open dance time will follow each session. For more information, see the posters, and the web page: <http://www.caltech.edu/~ballroom>.

\* **The H&SS Division** will be offering the following new courses Winter, 1998:  
H 108a - The Early Middle Ages (Brown, OM 1/5/98 at 2 p.m.)  
H 115b - British History (Knox, W 7 p.m.)

SES/H 169 - The Darwinian Revolution (Rader, TH 1-4 p.m.)

SES/H 169 - Science Communication (Johns, T 7 p.m.)

H 161 - "Causes of the American Revolution: A discussion of Historical Evidence" (Breen, T 7-10 p.m.)

## Events

\* Creation Entertainment presents **A Salute to Star Trek and Babylon 5** on November 29th and 30th in Pasadena Center, from 12:00-6:00 p.m. Advance tickets are \$26 per day and are available at Ticketmaster. At the door, general admission tickets are \$31 per day. For further information, call (616) 409-0960.

\* The Caltech Y presents **An Adventure in China**, by Virge Perdue on November 24th from 11:30 a.m. - 12:30

## Mints

\* denotes a new announcement.

p.m. in the Avery Library. Join us as he recounts his adventures. Lunch will be served.

\* On November 24th, the **Caltech-Occidental Symphony Orchestra** will be performing works from Wagner, Stoke, and Schubert in Ramo Auditorium at 8 p.m. Admission is free.

\* The Caltech Women's Center will be having a noontime program, **Gender and Technology: Designing for Diversity** on Thursday, November 30th. Dorothy Bennett, creator of the Telementoring project based in NYC, will be discussing her research on internet use in relation to gender. If you make a reservation, lunch will be provided. RSVP via e-mail or by calling x3221.

\* The Student/Faculty/Alumni Relations Committee and the Career Development Center are sponsoring a **career panel** on November 25 at 7:15 p.m. in Fleming House lounge. Panelists will discuss what you need to know about your future employer and what your future employer needs to know about you. Light refreshments will be served.

The **Distinguished Speaker Series** of Southern California is moving into its second season. The events will be held at the Pasadena Civic Auditorium on eight different dates, at 8 p.m.. Tommy Lasorda will be speaking on December 11th, Colin Powell on January 21st, 1998, Dominick Dunne on February 26th, Elizabeth Dole on March 12th, Jean-Michael Cousteau on April 8th, and Maya Angelou on May 13th and June 10th. For more information, contact (800) 508-9301.

For most Caltech events listed, further information can be obtained by calling 395-4652 or (888) 2-CALTECH, or through the Caltech website, <http://www.caltech.edu>.

## Fellowships and Scholarships

\* **Chela Financial** is pleased to offer fifty \$1000 scholarships to help students reduce their loan indebtedness for the 1997-98 academic year. Three students will be nominated from Caltech. Applicants must have a minimum \$2625 outstanding loan balance, be enrolled at least half time and have a cumulative GPA of at least 3.0 as of November 1, 1997. Information is available through the Financial Aid Office. Applicants must submit a current transcript copy, a current resume, and a personal statement to the Financial Aid Office no later than December 1, 1997. UFA

**Chateaubriand Fellowship Program**, 1998-9, for graduate students in science and engineering, interested in working in French university. For more information, write the Embassy of France, Office for Science and Technology, Chateaubriand Fellowship Program, 4101 Reservoir Road, NW, Washington, DC 20007-2176, or see their web page at <http://www.chateaubriand.ambwash.fr>. Applications are due Decem-

ber 1, 1997.

FAR

The National Science Foundation (NSF), in conjunction with the National Institutes of Health (NIH) and the Agricultural Research Service (ARS), welcomes applications to the **1998 Summer Programs in Japan and Korea**. All qualified graduate students in science and engineering, including the biomedical, agricultural, and social sciences, are urged to apply. The postmark deadline for applications is December 1, 1997. For more information on the Summer Programs, including eligibility requirements, program descriptions, and application materials, access the NSF/Tokyo Homepage at <http://www.twics.com/~nsftokyo/summer98.html>. FAR

**The International Association for the Exchange of Students with Technical Experience** will place juniors, seniors, and graduate students in summer or academic year long paid science/engineering internships abroad. The applications deadline is December 16th. Applications and brochures are available from Fellowships Advising or on the Web at <http://www.aipt.org/iaeste/html>. FAR

\* **The Korean American Scholarship Foundation** is pleased to offer over 48 scholarships totaling over \$52,000. Applicants must be full-time students of Korean heritage enrolled in at least the 2nd year of college, graduate school or professional school in the Western Region. Each applicant must submit an application form, transcripts from the last two years, two letters of recommendation, one picture taken during the last year, and a copy of both student's and parents' or guardians' Federal Income Tax return from last year. Applications and information may be obtained through the Financial Aid Office or through the foundation website at [www.kasf.org](http://www.kasf.org). Applications must be submitted by January 31, 1998. UFA

The **Josephine de Kármán Fellowship Trust** is pleased to announce the availability of ten fellowships in the amount of \$7,000 for 1998-99. All studies must be carried out within the United States and expended within the United States. Fellowships are open to students entering their senior undergraduate year and graduate students entering the terminal year of a Ph.D. program in Fall 1998. For application information, visit the Financial Aid Office. Applications must be postmarked no later than January 31, 1998. FAR/UFA

Applications are now being accepted for the **1998-99 National Academy for Nuclear Training scholarships**. Scholarships are \$2500 each and will be awarded to eligible students majoring in nuclear engineering, power generation, health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicants must be U.S. citizens, have minimum 3.0 G.P.A.s, and be full-time sophomore, juniors, or seniors in 1998-99. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Scholarships are renewable. Applications and information are avail-

able in the Financial Aid Office. Applications must be postmarked by February 1, 1998. UFA

\* Applications are now being accepted for the **College Women's Club of Pasadena Scholarship Foundation**. Two nominations will be made from Caltech. Applicants must be female, U.S. citizens, sophomore year or higher, and have a minimum 3.0 GPA on a 4.0 scale. Each nominee must provide a completed application form, a one page, typed, personal essay, transcript of college work to date (including current courses and commitments), three recommendations, preferably from professors familiar with applicants aspirations and achievements, and a current resume. All application materials should be submitted to the Financial Aid Office no later than Thursday, February 5, 1998. UFA

Seniors interested in journalism as a career may wish to apply for the **Newhouse School of Public Communications fellowship** for Masters programs in journalism at Syracuse University. Students receive full tuition, \$1,100 per month living stipend, up to \$1,500 for moving expenses to Syracuse, NY, \$800 for travel, up to \$1000 for books and fees, and a paid professional internship with a newspaper. Applicants must be U.S. citizens, and members of underrepresented groups in the journalism field. Fellowships Advising can send you more information on the program or contact the program director, Jane Lorraine at [jalorrai@suadmin.syr.edu](mailto:jalorrai@suadmin.syr.edu). Applications are due February 10 and GRE general test scores are required for application. FAR

The **American Society of Naval Engineers** is offering \$2,000 undergraduate scholarships and \$3,000 graduate scholarships for the academic year 1998-99 to students who are interested in naval engineering. Applicants must be U.S. citizens, must demonstrate a genuine interest in a career in naval engineering, and must be applying for either their last year as an undergraduate or co-op undergraduate program, or one year of graduate study leading to a designated degree at an accredited college or university. The deadline to submit applications is February 15, 1998. UFA

The **Backpacker Outdoor Scholarship Program** is offering twenty-five \$1000 scholarships in three categories: Outdoor Leadership, Environmental Leadership, and Outdoor Writing. Students may apply for more than one scholarship, but can only be awarded one. The scholarship is open to any full-time undergraduate student, any major, attending a four-year college. The student must maintain a 3.0 G.P.A. average or better and must be a junior or senior the year the scholarship is used. The application and submission requirements are available in the Financial Aid Office. Entries must be postmarked by February 16, 1998. UFA

\* The **Dean of Students Office** is accepting proposals for the **Monticello Foundation Internship** and the **Robert and Delpha Noland Summer Internship**. To submit an event for the Mints, contact [mints@caltech.edu](mailto:mints@caltech.edu) or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise, and the editors reserve the right to edit and abridge all material.

**ternships.** 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. Applicants are required to identify the projects in which they wish to participate. Please stop by the Deans' Office to review sample proposals from past years, or to discuss your proposal before the deadline date. Proposals must be received by March 2, 1998. FAR

California residents who plan to attend graduate school in California should apply for the **California Graduate Fellowship Program**. The application deadline is March 2, 1998. Information booklets giving details and application procedures are available from Fellowships Advising. Information is also available on the Web at <http://www.csac.ca.gov>. FAR

**Graduate Fellowship for Women and Minorities in the Physical Sciences**, the National Physical Sciences Consortium offers awards to graduating seniors who are female or a member of a minority group for Ph.D. level study in Astronomy, Chemistry, Computer Science, Geology, Material Science, Mathematical Sciences, Physics and subdisciplines of these fields. E-mail [npsc@nmsu.edu](mailto:npsc@nmsu.edu) or call (800) 952-4118 to request an application which is provided in diskette format. FAR

**The American Electroplaters and Surface Finishers Society** is offering scholarships to undergraduate juniors and seniors and graduate students who are interested in careers in the electroplating and surface finishing industry. Undergraduates must be full-time and must be majoring in metallurgy, metallurgical engineering, materials science or engineering, chemistry, chemical engineering, or environmental engineering. Applications must be submitted by April 15, 1998. UFA

**The Jewish Family and Children's Services** offers financial support for Jewish individuals and their families. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. Eligible students must have financial need, have at least a 3.0 G.P.A., and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office. UFA

For information on the listed fellowships, assistance with essays, or clarification of questions, contact:

**FAR - The Fellowships Advising and Resources Office.**  
For information, please contact Lauren Stolper at [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu). To make an appointment, call x2150.

**UFA - The Undergraduate Financial Aid Office.**  
For information, call x6280, or stop by 515 S. Wilson for an appointment.

To submit an event for the Mints, contact [mints@caltech.edu](mailto:mints@caltech.edu) or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise, and the editors reserve the right to edit and abridge all material.

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