

see page 7



*Gullibility is not a good survival trait.*



Ryan's lonely. Read the mints.

see page 8

# THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 22

PASADENA, CALIFORNIA

FRIDAY, APRIL 4, 1997

## Students, faculty to discuss CIT

BY KOHL GILL

The Ides of April are almost upon us – that means Tax Day, but more importantly, the *Student/Faculty Conference*. Yes, right after the ASCIT Budget Meeting (see *ASCIT Announcements*, lower right) and right before Prefrosh Weekend, ASCIT (with great help from Student Affairs) will attempt the amazing: inviting all members of the Caltech Community to join in discussion of the issues. Do you have a suggestion, a gripe, or a new idea about student life, the honor system, or the philosophy of undergrads at CIT? Then come address the Student Life, Honor System, and Undergraduate Purpose Committees, presented to you for just that reason!

What do you say? You don't know

what the issues are? Well, then come on out anyway on Tuesday, 15 April and listen to the presentations of the committees first, chaired by Ellis Meng (fandchui@cco), Geoff Smith (gsmith@londo), and Seth Blumberg (blumberg@cco), respectively. What's that? You have class on the 15th? Well, watch for a scheduling change in your courses, to facilitate your attendance.

The only way this conference can be successful is with your help. Contact the chairs of the committees with your suggestions. I challenge every ASCIT member to attend and make a serious contribution to this effort to better our school. The discussions promise to be quite interesting. Please watch for further announcements in the *Tech* and elsewhere.

## Dr. Ho to speak at commencement

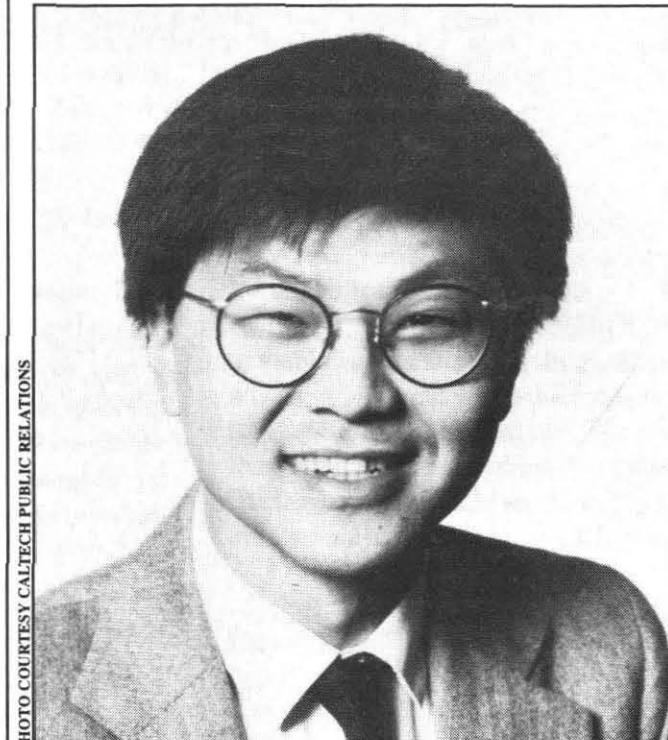


PHOTO COURTESY CALTECH PUBLIC RELATIONS

Dr. David Ho has agreed to speak at this year's commencement. Dr. Ho, biology alum '74, has shot to the front of AIDS research by innovatively combining treatment of RT, protease, and integrase inhibitors at the start of HIV infection, which in most patients lowers the level of virus to near nonexistence, and hopefully eliminates infection within months.

## Eleven years of Mozart Concerts



PHOTO COURTESY DUSAN MISEVIC

*The trumpets of heaven ready to burst forth paradise's sweetest melody.*

BY MYFANWY CALLAHAN

The time has arrived once again for Caltech's annual All Mozart Concert. For the eleventh year, Caltech singers and instrumentalists will join to perform some of Wolfgang Amadeus Mozart's most memorable works.

William Bing, the director of the Caltech Jazz Band and Concert Band, will perform the Trumpet Concerto in E-flat by Johann Nepomuk Hummel, a pupil of Mozart's. Four

the last four years, William Bing has played in the trumpet section of the Los Angeles Chamber Orchestra and the Los Angeles Opera Orchestra.

The Caltech Chamber Singers will sing *Regina Coeli*, *Ave Verum Corpus*, and the Coronation Mass, accompanied by a small orchestra. The Chamber Singers is a small group of only 12 graduate and undergraduate students, but their performance rivals that of a much larger choir.

Finally, members of the Chamber Music Program, di-

rected by Delores Bing, will play the Quintet K.617 for flute, oboe, viola, cello, and piano. Delores Bing has worked with over 500 small groups of students in the Chamber Music Program and won the ASCIT teaching award with her husband William Bing for their skilled work in the Caltech Music Program.

The concert promises to be very enjoyable. Come and listen for free at Dabney Hall tomorrow (Saturday) at 8 p.m. or Sunday at 3 p.m. Space is limited, so please arrive early.

## ASCIT Announcements

All clubs seeking ASCIT funding should pick up a Budget Proposal form from the SAC Copier Room. The completed budget proposals should be turned in by noon, April 11th.

Due to unforeseeable circumstances, Kara Swedlow, the ASCIT Secretary, is taking a voluntary leave and has given her resignation. Therefore, as per the ASCIT Bylaws, the ASCIT Executive Committee will appoint an interim secretary, and a **new election** will be held as soon as possible for a permanent secretary. Please watch for flyers and announcements if you are interested in this position, or email me at kohl@cco.

Also, sign-ups will be going up outside of Winnett shortly for ASCIT appointed offices. Here they are:  
Executive Committee Chairman  
ASCIT Movies Chairman  
*little t* Editors and Business Manager  
*Big T* Editors  
*Big T* Business Manager  
Totem Editors  
*California Tech* Business Manager

Check pages 85 and 86 of your 96-97 *Dear little t* for more information (or e-mail kohl@cco). Sign up early, sign up often!

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## EDITORS' BOX

Hi,

We're the Tech Editors and this is our box.

- **Free food and 3 units of credit** can be yours! You may even see your name in print! Just show up at the **Tech meeting noon today** in the **Coffeehouse** or find a *Tech* editor before Add Day. We'll provide the add cards and signatures.
- If you don't think you can handle the screaming hordes of fans that come with being a *Tech* writer, you can still contribute to the *Tech* on occasion. Send your efforts to: [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu). Whether you're an undergraduate, graduate, faculty member, postdoc, off-campus critter, parent, or the guy scraping old *Techs* off the Olive Walk, we want you to write for us. You will be assimilated.
- To the people who said the April Fool's cult article was in bad taste: You don't know what bad taste is. Give us a couple of weeks ....
- The Tech Editors are deeply indebted to all the people who made the April 1st issue possible. A special thanks goes out to Caltech Security for helping us hand-deliver that issue to campus on April Fool's Day. In addition, we would like to thank those who contributed to that issue: Ron Dollete, Andrew Childs, Daisy James, Dean Revel, Terry Moran, Samson Timoner, Myfanwy Callahan, the Hell Frosh, Wren Montgomery, the Athenaeum Sock Hop announcement, and this week's TFM Chandler Dining Hall menu.
- While previous Tech editors may have been intimidating, the current team is scrawny and relatively nonviolent. If you have a problem with something in the *Tech*, please talk to us directly instead of pestering the administration. They're not responsible for us and don't need the abuse. Our e-mail address remains [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu). Kind comments are also appreciated.

Ryan Cox

Autumn Looijen

Erik Streed

**3 units of credit and free food!**  
Come to the *Tech* meeting  
noon today in the Coffeehouse.

**Tech Deadlines****Advertising****Letters to the Editor****Inside Worlds****Unsolicited Articles****Assigned Articles (except news)****Events & Notices**

5 p.m. Monday  
5 p.m. Monday  
midnight Monday  
1:07 p.m. Tuesday  
5:23 p.m. Tuesday  
5 p.m. Tuesday

Lasorda has a very dynamic personality, and his speeches reflect that. Every commencement speech I have experienced (about one dozen or so) has been trite and boring. It seems to me graduation speeches inevitably display mostly the same sentiments. The difference therefore lies in the specific content and style. Former Dodger manager Tommy Lasorda would breathe life into a speech that is doomed to be hackneyed. My greatest

ating students and the audience!

One must not forget that the purpose of commencement is for our friends and families to witness the culmination of our educational path. Its theme song, "Pomp and Circumstance," is an accurate reflection of its existence. Commencement means nothing beyond what its audience and participants feel about it. The testament to one's hard work in earning one's degree lies not in a pretentious ceremony but in what one has learned and accomplished. Given that, one should strive to make such ceremonies as entertaining as possible.

Some people may suggest that it is inappropriate to have an entertainer give the commencement address. I disagree with this both because many entertainers have accomplished a great deal and because of the intended purpose of commencement.

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**Dodgers fans of Caltech, unite!****Lasorda would make an excellent Commencement speaker**

BY MASON A. PORTER

Sheets on which Juniors can suggest graduation speakers are now up in each of the undergraduate houses. There are a multitude of seemingly qualified candidates, but one's accomplishments should not be enough to justify one's selection as a commencement speaker. Indeed, the ability to speak well and entertain one's audience is perhaps equally important. With this in mind, my choice as an ideal graduation speaker would be new baseball Hall of Famer Tommy Lasorda.

Lasorda's selection to baseball's Hall of Fame is merely the crown on a career of stellar accomplishments. In addition to his excellent work on the baseball diamond, he has served as an ambassador for the game for over twenty years. He has preached about baseball as an elixir to hardship in countless communities in countless nations. During this time, he has made thousands of speeches across the world. Further, Lasorda's presence at charity events is well-known.

fear concerning graduation commencement is that when my name is called, I will not be able to walk up to the podium because I will have fallen asleep in the grandstands. Lasorda's enthusiasm, however, would surely entertain both the gradu-

ments that I discussed above. I am sure, moreover, that many entertainers have made commencement speeches in the past.

Others may suggest that Tommy Lasorda's accomplishments are not sufficiently noteworthy to merit giving Caltech's commencement address. However, on the basis of the messages Lasorda received last year from the past four United States presidents and countless other distinguished people upon his retirement as manager of the Los Angeles Dodgers, many important persons would find fault with such a statement. A friend of mine who graduated from Caltech last year suggested that Caltech's administration would never allow somebody such as Lasorda to be the commencement speaker. I of course do not possess the knowledge to refute that, but I unequivocally hope that that is not the case. Caltech has so far managed not to embitter me (as it has numerous other students), but a travesty such as that would go a long way in doing so. My challenge to the student body is to give the administration a chance to prove their commitment to us. Request Tommy Lasorda as the commencement speaker for the Class of 1998!

## THE CALIFORNIA TECH

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Sat-Sun Bargain Matinee 1:30 p.m.

# Pahoehoe Diary: Six days in one page!

BY JOE TRELA

**DAY 4 - SUNDAY, MARCH 17TH**  
*Mundo Fuego, No Es Bueno!*

Day Four began with greetings from the denizens of Camp Kilauea, who were practicing - wait a second. You mean you didn't know there was a Camp Kilauea? Well, it's every Hawaiian kid's dream for their parents to pay \$140.95 to send them there for the summer so they could learn how to placate Pele, bodysurf down basalt cliffs and run away screaming from silicic lava flows as the slower camp counselors are immolated in their beds! But seriously, it's a training base used by the National Guard and the U.S. Army Special Forces to practice for the day we have to retake Iwo Jima or some other volcanic island from Saddam Hussein. Anyways, while we were kicking out the jams for the day's coming exertions, we noticed several people in camouflage jumping around amidst the low ridge not ten feet from our cabins. I quickly ran through the various goals of known active militia groups in my mind and came to the conclusion that while NSF money might not put us in league with the Trilateral Commission, we still stood a chance of being mistaken for either a) ATF agents or b) the New World Order and hence would be prime targets for the G. Gordon Liddy Maneuver. "We never should have rented those black helicopters back at Hilo," I muttered grimly to Lazlo as I got ready to bring my Swiss army knife to bear at the first sign of gunfire. But, as it turned out, they were all with the National Guard or some such organization and were on maneuvers. Everything was okay!

Pu'u O'o - not for me, Hawaii Militia, Up Mauna Loa Road, bird sanctuary, view of Ka'u Desert through nene country. Spent night at VNP

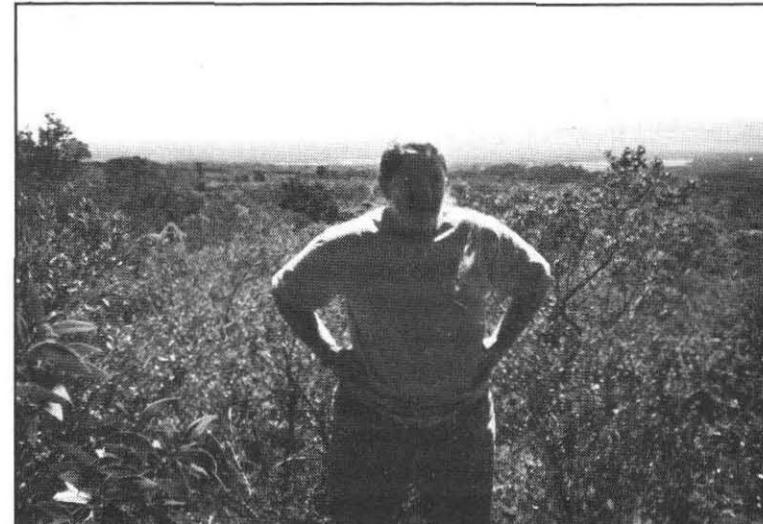
**DAY 5 - MONDAY, MARCH 18TH**  
*Is Anyone Else's Throat Burning?*  
Mauna Ulu active crater, Devil's Hole, covered freeway from 1983 eruption, nearly gassed off coast, samples of Pele's tears and reticulite (more lava tubes). Robbery! it turns out that Hawaiian Air lost \$40 million dollars last year. Does this mean we have to swim home? Spent Night at VNP

Idly, I wondered how fast I could run downhill anaerobically.

**DAY 6 - TUESDAY, MARCH 19TH**  
*Sugarcane Weasels Ripped My Flesh*

Volcano House breakfast, more lava trees (pushing through the underbrush), Ka'u Desert & footprints, spent night at Whittington Point (black sand), didn't see turtle. Saw Alpha C?

At last, breakfast at the famed Volcano House. The original House was a shack made out of palm fronds for visitors (missionaries, gawkers and the like) back in the 1840's, ap-



"So where the heck are those darn birds?" Laura asked angrily.

parently before the invention of wood. Its latest incarnation, built in 1920, featured what was claimed to be the longest continually burning fireplace in the world, and sure enough, the fireplace and half the lounge were on fire when we got there, with waiters and cashiers desperately trying to put it out with complimentary pitchers of orange juice. I wondered why they bothered fighting the forces of history. By the time we fought through the flames and were seated next to the big picture window, we found that it was actually worth it, with a great view of the fog between us and Halemaumau Crater. Spam® figured prominently in the brunch buffet, but then it's apparently quite popular across the islands and after several days of Vienna sausage and Ritz crackers I gleefully savored the subtle differences in flavor, color and sodium content between the two potted meat products.

**DAY 7 - WEDNESDAY, MARCH 20**  
*In All Regards, An Unappealing Day*  
Basalt "tongue" cave, Sick Cats, South Point & windmills, up Kona coast, olivine roadside wall,

"Bad Ass Coffee Company," ugly rock graffiti, swimming, spent night at State Beach cabins

**DAY 8 - THURSDAY, MARCH 21**  
*Hope Your Brakes Work, You Poor, Dumb Bastard!*

Swimming, Dunite lava tube & such, Keck Building, cool wet cave, tourist trap, big hills + much rain. Pu'kiawe!!! Spent night at "Oregon Coast."

And we got to see the Keck building, where the only graduate students there were working with the Keck telescope(s) way up on Mauna Kea (that's the pointy one, remember). We didn't actually get to go inside, but I was too busy being happy about finding an ATM to care.

**DAY 9 - FRIDAY, MARCH 22**  
*From The Clutches of One Goddess Into Another*

Shopping at Hilo Hattie's, flight back to LAX

Four cans of coconut-macadamia brittle, a volcanic-soil refrigerator magnet, a Pele book and T-shirt and some government-inspected sugar cane.

#### AFTERMATH

It is now eleven months since the group returned from Hawaii. Since then, all of the undergraduates but myself have been killed

tween it and Poland, a candidate for NATO expansion.

#### KINSHASA, ZAIRE

Parliament recently elected Etienne Tshisekedi, an enemy of the country's dictator, to the office of Prime Minister. Mobutu Sese Seko is expected to approve the appointment despite his personal qualms because his power is undermined by military uprising and the rebels are gaining ground.

**BOSTON, MA** - A state of emergency was still in effect Thursday after 24 inches of snow fell in Boston. At that time 200,000 people still had no electricity in Massachusetts.

#### WASHINTON, D.C.

A new federal law that will reduce immigration was put into effect Tuesday. The law restricts the number of immigrants and makes it easier for the Government to deport illegal immigrants.

## The Outside World

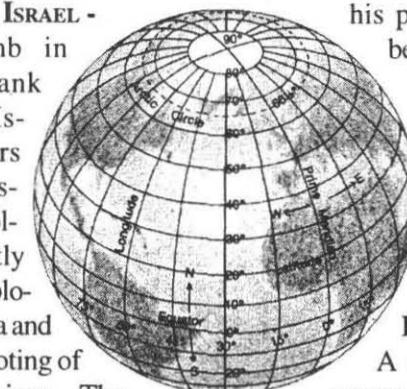
by Myfanwy Callahan

#### PHNOM PENH, CAMBODIA

Hand grenades thrown into the midst of a large political rally killed at least 16 people and wounded 120. The two co-Prime Ministers agreed to attempt to calm the populace although the two of them are barely on speaking terms.

#### JERUSALEM, ISRAEL

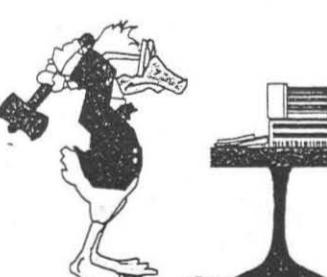
A firebomb in West Bank killed 13 Israeli soldiers on Wednesday. This followed shortly after two explosions in Gaza and the fatal shooting of two Palestinians. The new violence caused Prime Minister Benjamin Netanyahu to schedule a crisis meeting with President Clinton. King Hussein of Jordan called for "a more active U.S. role."



#### MOSCOW, RUSSIA

President Boris Yeltsin signed a pact with Belarus on Wednesday to form a new economic and political union of the states. Russia thus gains a buffer be-

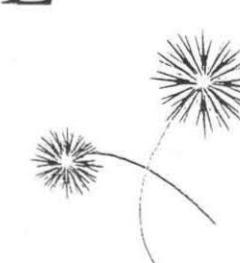
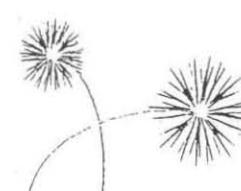
between its geometry from long strike-slip segments to Gulf of California-type active rift zones. The only chance of survival for myself and southern California is for me to leave quickly and move to a crater without any nearby mantle-derived hot spots; hence I am accepting a position as assistant technical writer for the Department of Creation Science at Oral Roberts University, Tulsa, OK. May Pele have mercy on my soul.



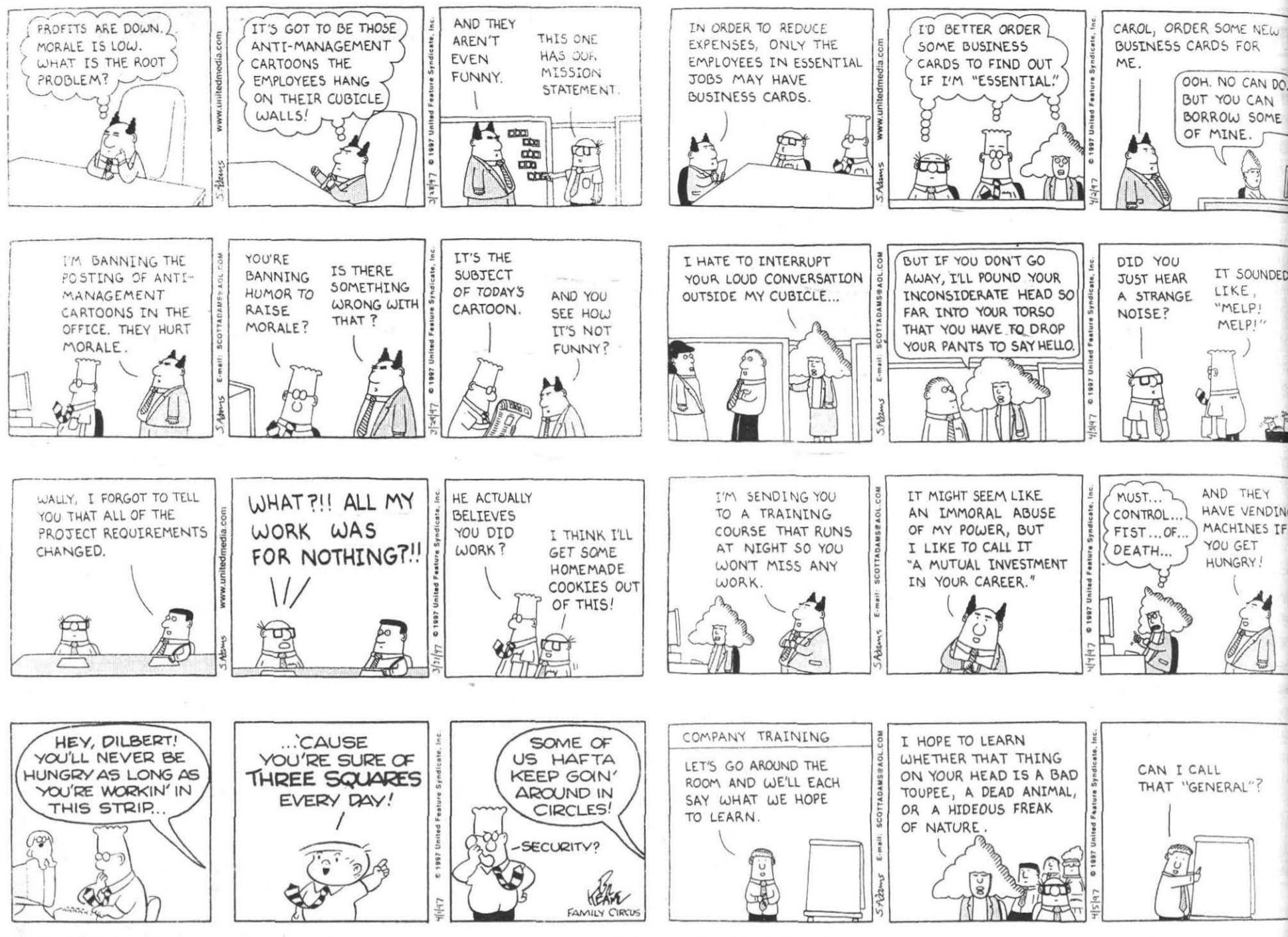
## HOW ABOUT DINNER WITH THE MOSH?

Now is your time to come to dinner with other students, faculty and staff at Steele House.

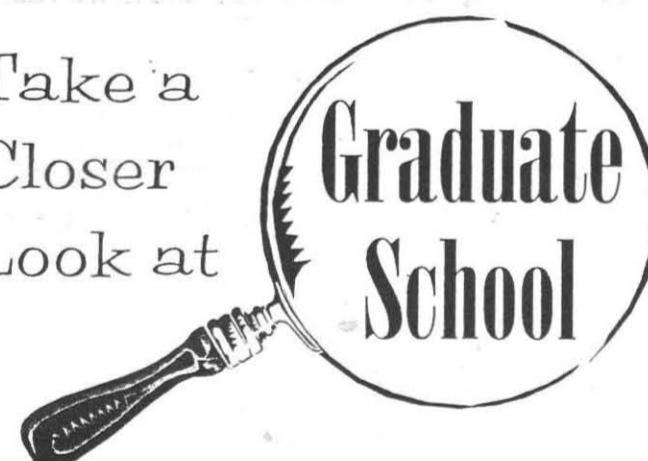
If you would like to sign up please see Sue Chiarchiaro in the Residence Life office.



by Scott Adams

**GRADUATE SCHOOL WEEK APRIL 7 - 11, 1997**

Take a  
Closer  
Look at



during  
Graduate  
School  
Week

Monday,  
April 7

**Applying to Graduate School Workshop**

7:30 - 9:00 PM, SAC Room 13

The CDC will host a panel of graduate students and graduating seniors who will share their experiences in choosing graduate programs, filling out applications, getting good letters of recommendation, and writing an effective personal statement.

Tuesday,  
April 8

**Applying to Graduate School Workshop**

7:30 - 9:00 PM, Winnett Club Room 1

The same information as in Monday night's workshop will be presented.

Wednesday,  
April 9

**Decisions about Graduate School**

7:30 - 9:00 PM, Winnett Lounge

A panel of Caltech alumni will discuss taking a break after your B.S., deciding which graduate school small vs. large, should I get an MBA, and other questions you have.

Thursday,  
April 10

**The Nuts and Bolts of Applying to Graduate School**

7:30 - 9:00 PM, Beckman Institute Auditorium

A panel of university representatives will discuss the application process and what they look for in personal statements, letters of recommendation, and test scores. Panelists include representatives from Stanford, Princeton, Caltech, and UC San Diego.

Friday,  
April 11

**Grad Fair**

11 am - 2 PM, Winnett Student Center

Representatives from premier graduate programs across the country will be on hand to answer your questions and distribute literature.

Harvard • Stanford • U. of Illinois at Urbana-Champaign • U. of Michigan • UCSB • UCSD • UCLA • USC • Caltech • MIT • Princeton • UMass

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# Love Letters was a joy to watch

BY JOHN HATFIELD

On Saturday, March 8, Caltech Public Events presented the delightful play *Love Letters*, by A. R. Gurney. Both poignant and humorous, this tale takes us on the life journey of two characters, Andrew Makepeace Ladd III, and Melissa Gardner.

Andrew, played with great depth by Patrick Harrington, was near perfect throughout the show, from a lovable and hard working, if slightly pretentious boy, to the distinguished Senator he becomes. Filling the character with life and depth, Harrington became the boy forced to write the thank-you note, the adolescent writing about college life, the family man telling of his own fortunes and misfortunes in raising his children. Just by the simple act of reading his letters to his very good friend, for Melissa is most importantly that, Harrington is

able to show us the life of his character in great detail.

Michael Learned also did a fine job as Melissa Gardner, the impetuous and headstrong woman and girl who could never quite face reality. When they write letters to each other as small children, their interplay shows both the good points and bad points of growing up in the rich society of the 1930's and '40s. From the over-the-top parties thrown for youngsters' birthdays, to the continual pressure put on Makepeace Ladd by his father, to the societal strains the rise of divorce has caused on its children (showed with great aplomb by Michael Learned), *Love Letters* shows this society in all its grandeur, and all its pettiness. As time goes on, society changes, and so do our characters. Makepeace Ladd III is transformed by Yale, the Navy, an Oriental romance, law school, and finally joining the

government as he continues to do what his father taught him and help others; Gardner, on the other hand, with no steady parental hand, goes through marriages like fashions and continues to struggle with the temptations of alcohol and drugs until her life comes to its bitter end. A. R. Gurney draws a beautiful difference between the stable family life of Makepeace Ladd III and the results it brings and the disastrous results of the unstable and hideous early family that Gardner endured.

In sum, this is a wonderful play about what growing up means, how it affects us, and what it means to have a friend to whom we really can tell all our dark secrets. It treats both the light and dark subjects well, and with dignity. If this is representative of theatrical productions that Caltech presents, then I must heartily recommend them.

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# ADAM VILLANI: MEDIA GUY

BY ADAM VILLANI

## Post-Oscar 1996 Movie Wrap-Up



During last term this column was so packed with both the new 1997 films and the tail-enders from last year that I never got around to showing you my top ten list for the year. Last week's Oscar ceremony pretty much sealed the door on the 1996 movie season, so I figure I'd better show it to you now. I saw about 80 1996 releases, but was able to be quite selective; there were only about 5 movies that I actively disliked. While I can of course make no claims on films I haven't seen, these are what I consider to be the best of last year's crop:

**10. Microcosmos**—Hands-down, a simply amazing film. This French documentary about the insects in one meadow brought us the closest look ever at the world beneath our feet.

**9. Chungking Express**—Hong Kong's Wong Kar-Wai perfectly captured the feeling of being alone amongst the millions in a big city.

**8. Fargo**—Wryly funny crime and mystery against the backdrop of majestic white landscapes and down-home Midwestern charm. Acting kudos all around, too.

**7. The Frighteners**—Peter Jackson's unjustly overlooked followup to *Heavenly Creatures* was sheer entertainment, with a wildly original plot, great special effects, and in Jeffrey Combs, the greatest insane FBI paranormal investigator ever to hit the screen.

**6. Beavis and Butt-head Do America**—B&B are much more honest champions of

bad taste than Larry Flynt. This movie made me laugh more than any movie in years had.

**5. Sling Blade**—Billy Bob Thornton's character of Karl Childers will be remembered for ages to come. A refreshing tale of a man trying to find his place in society.

**4. Trainspotting**—The highs and lows of drug use are vividly portrayed in this exhilarating British film. This should have won Best Editing.

**3. Cyclo**—This little-seen, unsettling view of the grimy underbelly of Hanoi couldn't be farther in tone from Tran Anh Hung's genteel previous movie, *The Scent of Green Papaya*, but it's every bit as good. Images from this movie disturb me to this day.

**2. Breaking the Waves**—Lars von Trier's breathtaking, challenging study of faith, love, devotion, and sacrifice featured the sensational debut of my choice for Best Actress, Emily Watson.

**1. Dead Man**—Also unjustly overlooked, Jim Jarmusch's existential Western with Johnny Depp was the most mesmerizing film of the year. Robby Müller's beautiful cinematography and Neil Young's haunting score complement this story of a dying man on a journey of discovery.

So what did I think of the Oscars? I'm happy for *Fargo*'s and Billy Bob Thornton's wins, though they wouldn't be my top choice in their respective categories. I'm also glad Lauren Bacall didn't get the sympathy award just for being old and beloved. But what about *The English Patient*? I thought it was a good, albeit not great movie, and can credit its Best Picture win to a legitimate difference in taste. But who can truthfully tell me they thought *The English Patient* had the year's best Art Direction, Costume Design, or Sound? In the year that saw an unprecedented number of independent films nominated, the big winner was the independent film that seemed the most like an old big-budget studio epic, and it swept away everything in its path. I'd also like to state once more that the *real* best performance in *Shine* was that of Noah Taylor, but as always, the young actor gets screwed.

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# Dean's Corner

## Here comes the 3rd Therm

by Jean-Paul Revel

whole life is here, I mean there.)

And it is the first term on grades for the Frosh, who by now are expected to be ready for this change in life. Just to be sure, I want to repeat myself a little and present several items for your consideration which I hope you can help do something about.

One of these items has to do with the Honor Code, which we all know is the greatest thing since Caltech was founded. It is most surprising therefore to find that the same sermon has to be repeated. I say has to, because each term seems to bring anew problems that have already been visited, albeit with different people, but that just says the problem is common.

Well here I go, repeat after me: "anything, any behavior which leads one person (or a group) to acquire unfair advantage over another is a violation of the Honor Code." As such

these things are matters for the BoC. Please act on this premise. Behave so as to avoid taking advantage of others.

Note that the BoC is composed of students, your class-

*All of you are fantastic, and all can do the work that is demanded of you. Admissions never makes mistakes.*

mates and housemates, and that they are spending their time because of your misdoings. If that's not taking advantage of your peers I don't know what is.

Now, all of you are fantastic, and all can do the work that is demanded of you. Admissions never makes mistakes. It should also be obvious that a grade will not do you any good

if it is gained by copying someone else's results, spending more than the allotted time, or taking advantage in any other way.

If there is too much work and you don't have enough time, that is also telling you something: either you spend too much time on something(s) else, or you need extra help to assimilate the material in the course. There are several ways to deal with that, and they don't include any of the sins that can be committed against the code. Talk to your TA, or Heaven help you, your Prof. (E-mail works wonders for those whose schedules are out of synch.)

Talk to your Advisor; there is no shame attached to doing so. The advisors by and large have volunteered to work with students. All students have Advisors, but if you think you don't have one, in spite of my saying so, come and talk to me or e-mail me about it.

The idea behind having the Advisors sign the registration cards, add cards, drop cards, petitions and the like is to encourage you to go and talk to them in person. Having a secretary sign your forms does no one any good. I am sure most of the Profs. administrative as-

sistants are delightful people to talk to. After all, it is not unusual for unattached Profs. to eventually marry otherwise unattached A.A.'s, but the A.A.'s don't have the training or academic standing that the Profs. are presumed to have.

The idea of a signature is to give you a reason to have at least a cursory discussion with your Advisor. If that's impossible, then come and talk to us in the Dean's Office. Dean Green and I do enjoy talking to you and helping you solve your problems.

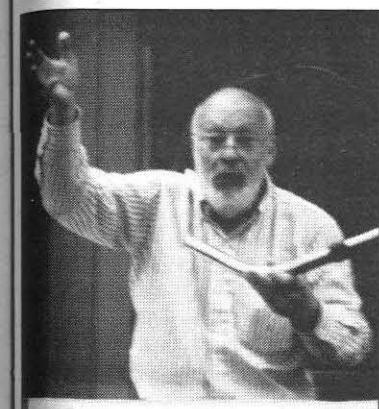
One of the things we can do (and no one else can) is arrange for a private tutor (they are paid by the Dean's Office, no cost to you). We'll also offer cookies and/or coffee or pop.

So please do yourself and the rest of us a favor. Keep up with your homework, do your work honestly and fairly, come and talk early if something, or someone, bothers you.

So there; even though the heat is on let's have the best therm . . . ever. Cool? You bet. Maybe I should audit Thermo? . . . I'll think about it and so I'll be. In the meantime,

*A bientôt,*

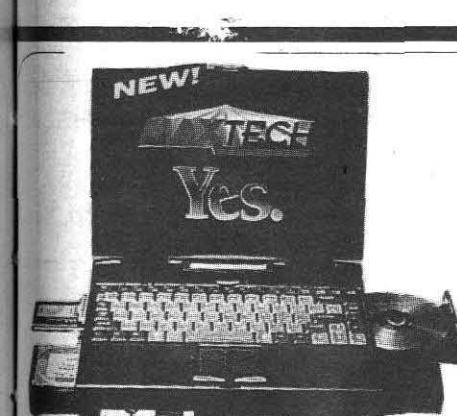
*J.P. Revel*



Here we are, the heat is on and more on the way, the new term has started, the last term of the '96-'97 Academic Year . . . as if you did not know it. Come on gals and guys, one last pull. Oh I know, for many seniors it will be a term of *farniente*, a term of tomorrow's (Ditch Day is tomorrow).

The seniors, having accumulated their 486 units (not to be confused with pre-Pentium CPUs, although they may well have accumulated one of those too) can now coast, unless they want a last chance to get in Prof. Stubtoe or Knockhead's super relativity course.

But they have a chance to begin tasting what life after Caltech will consist of. (At least I concede that there may be life after Caltech, quite an admission on my part, says my wife, who believes that my



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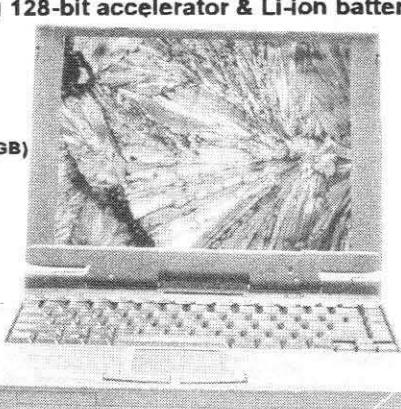
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**Events**

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.

*The Caltech Division of the Humanities and Social Sciences will be presenting the following seminars for the Spring Quarter 1997:*

> **Science, Ethics, and Public Policy** in conjunction with William Bennett Munro Memorial Seminars Thursday, April 17th, 1997, 4:00pm, in the Judy Library, Baxter Building "Sexuality in France: The Irony of

"Legal Tolerance Since the French Revolution" Dr. Robert Nye Thomas Hart and Mary Jones Horning Professor of Humanities and Professor of History Oregon State University.

> **William and Myrtle Harris Distinguished Lectureships in Science and Civilization** Friday, April 18th, 1997, 3:30pm, in the Beckman Institute Auditorium "Debate in the Republic of Science: Michael Polanyi and P.M.S. Blackett on Science and Its Social Ends" Dr. Mary Jo Nye Horning Professor of the Humanities and Professor of History Oregon State University.

*Seminars are on the Caltech campus and are open to the community. If you have further questions, contact Christine Silva at [silva@hss.caltech.edu](mailto:silva@hss.caltech.edu) or x4087.*



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Find out more about our company by joining us at our On-Campus Information Session on Tuesday, April 15, 4:00 - 6:00pm at the Student Activity Center. We'll also be conducting On-Campus Interviews on Wednesday, April 16. Please sign up at the Career Center to schedule an appointment. Or if you're unable to meet with us, please forward a resume to: **PairGain Technologies, Inc., Human Resources Dept.-DP/CT, 14402 Franklin Avenue, Tustin, CA 92780; fax: (714) 730-3199; e-mail: [hr@pairgain.com](mailto:hr@pairgain.com).** Equal Opportunity Employer.

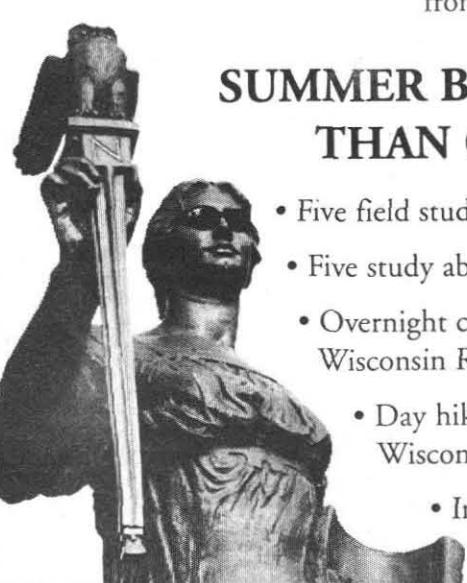
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# Mints

> denotes a new announcement.

## Notices

> Fly casting lessons are being considered to start third term. This would be a beginners class open to all students, faculty, and staff. A limited number of rods and reels will be available. Basic fly casting techniques will be stressed. Fly casting classes will be Thursdays from 5:15pm to 6:15pm, beginning April 10th. If interested, please contact Tom Perry at x4705.

> New Course: SES/HPL 169 Contemporary Issues in History and Philosophy of Chemistry.

Philosophers have recently begun to take an interest in chemistry because in posing the question of the reduction of the sciences, one cannot ignore the question of whether chemistry reduces to physics. If reduction even fails at the first hurdle, then there would seem little hope of achieving a more ambitious reduction like that of biology to physics.

This course seeks to explore some recent issues in history and philosophy of chemistry, including the impact of discoveries made in atomic physics on chemistry. A survey will be made with reference to the history of modern chemistry, of questions such as whether chemistry is reduced to quantum mechanics, the role of atomic orbitals in chemistry, the history and theoretical status of the periodic table, the nature of explanations in chemistry and the debate regarding the relative virtue of prediction and accommodation by chemical theory.

Instructor: Diana Barkan and Eric Scerri W 7pm to 10pm For further details contact Eric Scerri, x4030, or [scerri@hss.caltech.edu](mailto:scerri@hss.caltech.edu).

> Johns Hopkins University will be running a summer program for 7th and 8th grade students at Caltech this year. There are several openings for TAs, RAs, instructors, and office help. JHU will pay for room and board for the duration of classes and pay a stipend as well. The program will run from June 23rd to August 9th. If you are interested in applying for these jobs, please contact Keith Counsell as [keithc@cco](mailto:keithc@cco), at x3320, or in the Housing Annex between the hours of 8:00am and 5:00pm.

## 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 progressive 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 Ellicot, 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

> Fellowships and Scholarships for graduate study and travel: Juniors & Sophomores interested in learning about the Rhodes, Fulbright, Marshall, Churchill, Watson and Luce Fellowships are invited to a workshop on Wednesday, April 16th from noon until 1pm in Winnett, Club Room One. Since a pizza lunch will be served, email the following information to us at [fellowships@starbase1.caltech.edu](mailto:fellowships@starbase1.caltech.edu) by Monday, April 14th, if you plan to attend the workshop. We need to know your name, major and favorite toppings or special dietary needs.

College students who are U.S. citizens and have a grade point average of 'B+' or better are eligible for a \$1000 college scholarship. To receive an application, send a request by April 11th, 1997 to the Educational Communications Scholarship Foundation at 721 North McKinley Road, PO Box 5012, Lake Forest, IL 60045-5012; fax a request to (847) 295-3972; or e-mail a request to [scholar@ecif.com](mailto:scholar@ecif.com). All requests for applications must include the student's name, permanent home address, city, state, zip code, name of college, appropriate GPA, and year in school during the 1996-1997 academic year. Applications will be fulfilled by mail only, on or about April 22nd, 1997. Thirty-five winners will be selected on the basis of academic performance, involvement in extracurricular activities, and some consideration for financial need. A total of \$35,000 will be awarded.

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 Asian/Pacific American Association for Advancement, Inc. (4A) is accepting applications for their 4A San Francisco Bay Area Scholarship Program. 4A will be selecting three scholarship recipients who will each receive a \$1,000 scholarship. Eligible students must be Asian/Pacific, U.S. Citizens or permanent residents, and must be enrolled full-time as undergraduate or graduate students. Applicants will be evaluated based on their scholastic discipline, personal achievement, and community involvement. AT&T, Lucent Technologies, and NCR employees and their children are ineligible to apply. Applications are due April 15th, 1997.

The Sunkyoung 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 four categories. First prize (one winner in each category) is \$2,500 plus a one week trip to Korea. Second prize (one winner per category) is \$500 plus one week at a LeaderShape training program. Third prize (one winner per category) is \$500. The Financial Aid Office has more information. The deadline for entries is April 15th, 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 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 designed 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 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 15th, 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, self-addressed, No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cougle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4. Filing dates for mailing applications in 1997 are June 15, and November 15, 1997.

The Jewish Family and Children's Services is pleased to announce the continued availability of financial support for Jewish individuals and their families. JFCS provides hundreds of students loans, grants, and scholarships to Jewish students. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. To be eligible, students must have financial need, have at least a 3.0 GPA, 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.

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 CALIFORNIA TECH

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