

ASCIT Movie:  
It's free tonight!

see Apollo 13



DID YOU GET YOUR  
DOUGHTNUTS?

see R-F Courtyard

# THE CALIFORNIA TECH

VOLUME C, NUMBER 2

PASADENA, CALIFORNIA

FRIDAY, SEPTEMBER 25, 1998

## Summer News

BY TECH STAFF

The Caltech Women's Center, after being displaced by the Winnett construction to Minority Student Affairs, moved to a permanent location in the Women's Center Cottage, also known as the Carraige House. The Women's Center is keeping its old phone number but has a new Mail Stop Code, 0-94.

The Women's Center has also been able to re-establish its programs for women in science, women's health, self-defense, and self-defense taught in Spanish.

Upcoming events include an Open House, the Frosh Breakfast, "He Said, She Said," which is a panel on gender communication, "History of Feminism" with Shelia Tobias, and a session of Eating Disorders with Caltech Aerobics instructor Susanna Webster.

A Luau was held by Prufrock, a graduate student house, in early August. The event included Hawaiian music, mandatory leis, exotic drinks, and the much hyped 115 pound pig. The pig was buried a day before the event in order to roast it. Over 200 Graduate Students and Undergraduates were in attendance.

Egypt issued two postal stamps in honor of Linus Pauling Professor of Chemical Physics and professor of physics at Caltech, Ahmed Zewail as a tribute to his scientific achievements. He was honored at a ceremony in Cairo on June 14th. Zewail, an Egypt native, is internationally recognized for his development of ultrafast lasers and electrons to probe chemical reactions as they occur in real time and further understand the way chemical bonds form and break.

Several construction projects were undertaken. In addition to the renovation of Winnett, the project in Guggenheim was completed and renovations were begun in Bridge. Also, the North hoves were recarpeted, and the South hoves are in the process of being reroofed.

Physics professor Thomas A. Tombrello became chair of the Division of Physics, Mathematics and Astronomy on August 1, 1998. Dr. Tombrello has been at Caltech since 1961.

## Froshcamp: The Annual "Hovse Favorites get

BY RON DOLLETE

At least the food was alright. Sleeping conditions didn't change much.

The east coast might be bracing for Hurricane George, but this year's excursion to Catalina Island went off without rain. No buffaloes were spotted, but boars did make an appearance late Tuesday night. And everybody seemed to love the new presentation, "Dimensions of Diversity." I, unfortunately, read my schedule wrong and never seemed to be able to attend. Sorry.

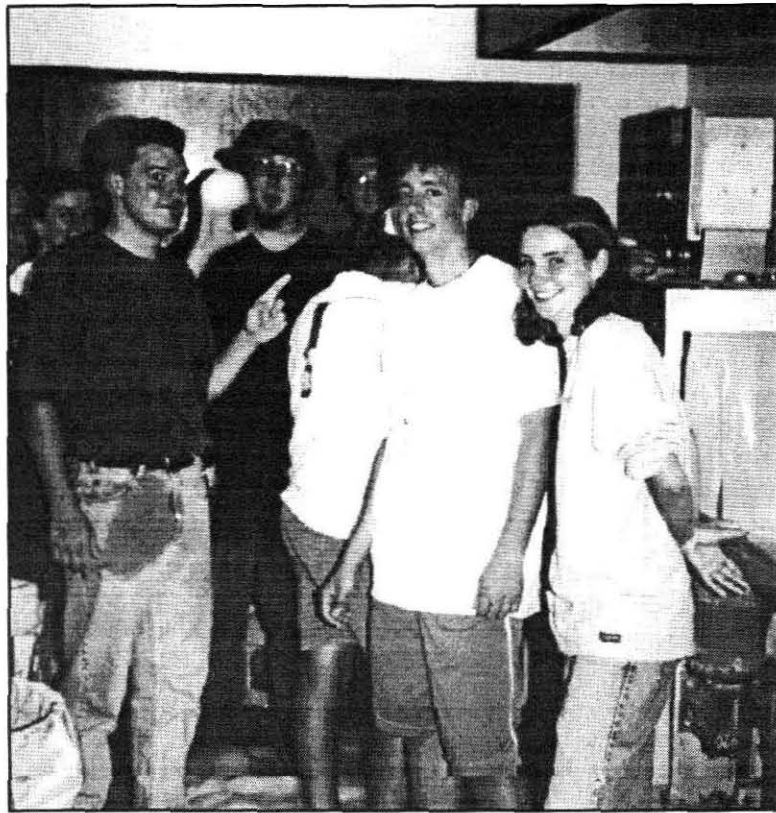
The other presentations also improved, with "Challenges & Choices" providing a good look at some typical Techer issues at the expense of the upperclassmen. And Board of Control chair and secretary Alan Rosenwinkel and Kevin Bradley

made the trial process less secretive by giving the UCCs mock trials to go through with their groups.

The design contest was won by the second smallest entry, Spoon. ("Spoon!"), defeating The Reaper ("Fear the reaper, man!") in a close final race. There were also a pair of boats with some very crude looking inflatable balloons. For example, one was named The Clinton Administration. The style award, however, goes to Big Splash, using the soda and milk bottles filled with water for some Deep Impact action.

Highlights from the talent show include a scrumptious peanut butter sandwich, Non-Chinese acrobats, a brave juggler, an annual violinist, and Professor Rick Wilson's annual flute performance. There were two

PLEASE SEE CATALINA ON PAGE 2



Among many experiences at this year's Frosh Camp, one of the more notable was that of the dishwasher breaking.

## ASCIT's new Coffeehouse

BY SHANNON STEWMAN

The Coffeehouse has undergone a number of dramatic changes since ASCIT assumed control this summer. Probably the most prominent is the new interior. Baldeep, ASCIT President, described the intended effect as trying to make the Coffeehouse "more of a cool place to hang out."

The new interior of the Coffeehouse includes a fresh coat of paint, making it appear almost more intimate. Though not yet present, the new design will include plants and an open-mike setup to intermix artistic student works with the jukebox and stereo system.

Aside from the new look, the Coffeehouse has a number of pending changes to its menu. According to Baldeep, the new approach is to "sell more of a meal and less of a product," or to make the Coffeehouse more of a place to eat and less of a food dispensary.

With this new philosophy, items like cheesesticks will be sold along with the marinara sauce. The menu has been reworked with some price increases, some price decreases, new items, and some items dropped. Texas toothpicks and waffle fries will no longer be available as part of the leaner

## Student dies in Summer Accident

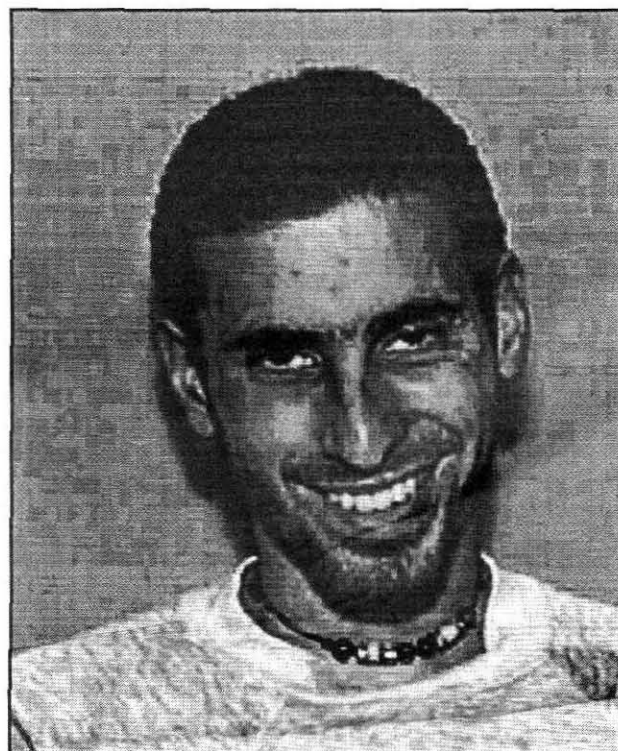
BY ERIK DILL

David Alexander Rosefielde was killed Sunday, September 20th in an explosion at the Rose-Hulman Institute of Technology in Terra Haute Indiana. Alex and two fellow Caltech students were at Rose-Hulman visiting Matthew Roesle, a friend of Alex's, on their way back to Caltech.

Apparently, Rosefielde and Roesle had purchased chemicals to construct an explosive device. According to Capt. Kevin Mayes, of the Terra Haute Police Department, they planned to toss the explosive into a lake on the Rose-Hulman campus and observe the result. However, the explosive detonated prematurely as Rosefielde assembled the device, and he was injured in the blast.

Phillip Hellis, a Rose-Hulman security guard, arrived on the scene around 2:00 P.M. and reported that the he was not breathing. Rosefielde was taken to Union

PLEASE SEE ROSEFIELDE, PAGE 2



David Rosefielde, Class of 2001

COURTESY OF THE DEAN'S OFFICE

menu. A new item on the menu will be pizza rolls, which will sell initially for \$2.25 for both halves.

The Coffeehouse plans to put more emphasis on its less frequently ordered existing products, including its espresso drinks. To facilitate this, a printed menu is in the works.

Other plans include diversifying while decreasing the number of comics and magazines offered. ASCIT will circulate a survey to help decide which

PLEASE SEE COFFEEHOUSE, PAGE 2

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## Clubwatch!

The annual undergraduate club fair will be held today 1:30 p.m. to 4 p.m. in the Avery Courtyard. Representatives from many Caltech affiliated clubs will be attending. Come by and get yourself on club mailing lists. Find out more information about clubs you did not know about.

The Bridge Club meets every Monday at 7:30 in the Avery Dining Hall. Come by a little early if you need to find a partner.

The California Tech holds meetings every Friday at 12:15 in the Coffeehouse. Pizza is served. The Tech is currently looking for writers, photographers, editors and layout staff. Email [editors@tech](mailto:editors@tech) for more information.

The Caltech Christian Fellowship is a non-denominational group meeting every Thursday evening at 7:30 p.m. Everyone is welcome. For more information contact Jeremy Kua (x2729, x2843, [jkua@wag](mailto:jkua@wag)).

The Caltech Floorball Club meets every Tuesday night at 10 p.m. in the Brown gym. For more information please visit [www.its.caltech.edu/~bandy/floorball.html](http://www.its.caltech.edu/~bandy/floorball.html).

The Entrepreneur Club has set a goal of membership of 200 (10% of the student body.) Mail [alexchen@cco](mailto:alexchen@cco) and check the newsgroup: [caltech.org.entrepreneur](http://caltech.org.entrepreneur)

Evil Geniuses for a Better Tomorrow will be holding a general meeting at 11:42 on Wednesday in Kirkhoff 298. Bring a snack. Plan to take over the world. Email [brain@ugcs](mailto:brain@ugcs) for more info.

The Ethnic Dinner Club is visiting restaurants once a month. If you would be interested in attending and would like to be put on the list, send an email to [edinner@cco](mailto:edinner@cco).

The Juggling Club meets Mondays, Wednesdays, and Fridays from 5:30 to 7 in front of Church on Wilson Street. Contact [forster@cco](mailto:forster@cco) for more information.

The Mars Society, a new chapter to Caltech this year, will be holding it's first meeting directly after the club fair today. All are welcome. Contact Derek Shannon or Chris Hirata for details.

Join the Society of Women Engineers. Email [kj@ugcs](mailto:kj@ugcs) or call x1782

## Obituary: David Alexander Rosefielde

BY ERIK DILL,  
BIOGRAPHY COURTESY OF  
DEAN'S OFFICE

After the chaos of rotation, I ended up spending my Freshman year two doors down from Alex in Ruddock House. However, I never really found out who he was until Organic Chemistry - the infamous Ch41 - got interesting. He tended to solve synthesis problems with an excited flair. Often, the T.A.'s didn't like his solutions, but they turned out to be correct.

In an odd way, this pattern reflected his approach to life. Alex tended toward the fringe - in the sense that he didn't stand on pretense, or limit himself to accepted practice. He went with what worked, and what made him happy. He had a passion for knowl-

edge and a pervasive interest that stretched to all corners of science. Nothing was beyond his grasp - he would disappear for a few hours, only to return with an elegant answer or deeper understanding of a problem. Study sessions would occasionally stretch into days and nights without sleep, pouring over biological arcana.

Alex often countered the seriousness and stress of Caltech with randomness and levity. Clothed in a slowly disintegrating pair of old blue jeans, he talked of tea parties in Millikan pond and let excess creativity flow out through pottery and painting.

Alex made strong friendships because he was a truly unique person with a refreshing view on science and the world. Those who remember him will miss his boundless passion and illuminating light.

Alex was the son of Dr. Steven Rosefielde, Professor of Economics at the University of North Carolina, and his wife Susan, an artist. In addition to his parents, he leaves an older sister. He came to Caltech from the NC School of Science and Math, where he was considered "the

smartest student in 28 years". He was a National Merit finalist, and intended to major in Biology, where he earned high praise from Prof. of Biology E. Rothenberg, his freshman advisor. Alex was attracted to Caltech because "it offers a unique environment where students and faculty can do...hands on...scientific research". He had already had a research experience doing molecular botany in the laboratory of Ralph Quatrano at UNC. He had also traveled extensively, accompanying his father to conferences and seminars in far flung countries. Besides his intellectual interests, David was also an excellent athlete, finishing among the top Track and X-country runners in NC, and also participating in these sports at Caltech. He was a member of Ruddock House and had many friends in Dabney. We will all miss him sorely. Information about a Memorial Service will be forthcoming.

While the funeral was held Wednesday, September 23rd, the family says that any memorials may be made to the Beth-El Synagogue; 1004 Watts St.; Durham, NC 27701.

## ROSEFIELDE...

CONTINUED FROM PAGE 1

Hospital in Terre Haute, where he was proclaimed dead at 5:04 P.M. No others were hurt.

Local police, fire department, state arson investigators and the federal Bureau of Alcohol, Tobacco and Firearms were called in. Officials discovered a second explosive device, approximately eight times more powerful than the first, in Roesle's apartment. Nearby student residences were evacuated, then the device was removed and detonated in a safe location.

Matthew Roesle was arrested and taken to Vigo County jail, under suspicion of manufacture and possession of an explosive. He was released Monday after posting the 10% option of a \$25,000 bail. Roesle was formally charged Thursday with "Manufacturing and possession of an explosive device," a class C felony, and criminal recklessness, a class B misdemeanor. Jess Lucas, Dean of Students at Rose-Hulman, stated that the other Caltech students did not have knowledge of the explosive, or assist in its construction, and were not charged.

Funeral services were held for Alex Rosefielde on 1:00 P.M. Wednesday, in Durham, North Carolina. Several of his close friends from Caltech were in attendance.

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## COFFEEHOUSE...

CONTINUED FROM PAGE 1

comics are actually read and which aren't. Possible additions include special interest magazines and foreign newspapers.

To start off the new school year, the Coffeehouse is holding a special Saturday night opening celebration. Gloria from the

Registrar's Office, Dr. Frautschi, Master of Student Houses, Tom Mannion, and Andre Mallie, Director of Caltech Dining Services, will be making shakes throughout the night. Pending equipment availability, Saturday will feature the premier of open mike night.

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## CATALINA...

CONTINUED FROM PAGE 1

impassioned poets, a funky harmonica and guitar combo, an inspirational song, a hard-edged Caltech rap that nobody heard, and a wonderful tap dancing fiend. All in all, a very good show.

The party speakers almost didn't make it to the island. The synthesizer almost didn't make it off the island. The DJ got frustrated with the wooden floors and shut down the party around midnight, only to start it up again for the hard-core dancing fanatics. The PA system made it sound like that drowning would be available before the boat leaves. And sophomore Stona Jackson got tossed into the merciless Pacific. On a whim.

### Corrections:

There was one Dilbert last week, on the front page in the right-hand teaser.

## THE CALIFORNIA TECH

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LETTER TO THE EDITOR

Gender-neutral glomming?  
Do we do science here?

Dear editors,

I am astonished to hear about a gender-neutral guide to glomming at Caltech. I fear this publication be followed by a parity-invariant guide to the weak nuclear interaction, and a guide to the quantum physics of the hydrogen atom where the proton and electron have the same mass and are both positively charged.

Have the postmodernists finally won?

Thank you,

Patricia Schwarz  
Caltech Ph.D. '98  
patricia@theory.caltech.edu

Please send submissions for letters to the editor to

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CALTECH 40-58  
PASADENA, CA 91125

or by electronic mail to

editors@tech.caltech.edu.

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

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

LIFE AT TECH



The California Tech welcomes all forms of editorial submission, including letters and cartoons. To submit graphic materials, please mail your work to us or bring a copy to SAC room 40. Emailed submissions should be in the TIFF or EPS graphics formats and need to be at least 300 dpi.

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Presentation/Case Interview Workshop: November 10, 1998

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Associate Second Round Interviews: January 22, 1999

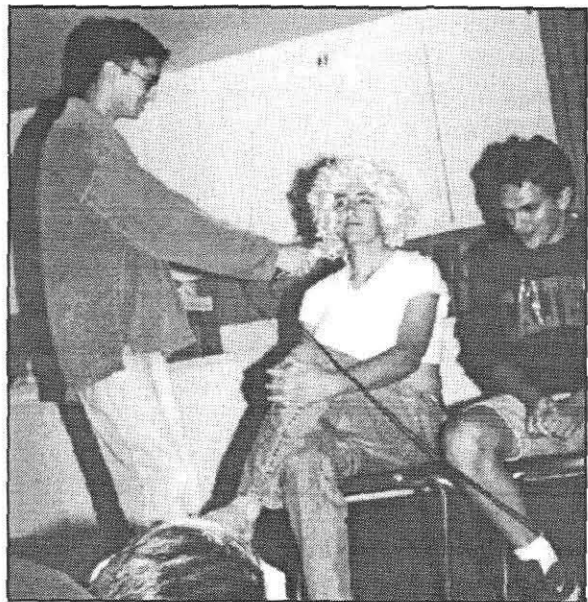
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## From the ASCIT Office



Dear Frosh,

This paragraph is The Hug for all the frosh. Welcome to Tech, frosh. I hope your days are happy here.

Okay. I know you saw me talk at frosh camp. I knew you were tired and would be happier in bed, so I didn't talk for too long. But I did mention this thing called ASCIT.

As I said in that "quick-talk-not-deserving-the-title-of-speech," ASCIT is the only club of which you are already a member. By default you pay dues to receive services. I won't launch into great detail about these services-you're a smart frosh and you can figure it out by reading the little t. (The little t is coming soon to a mailbox near you.)

One particular service that you might find useful now is our CLUE. The CLUE (Course Listings of Undergraduate Education) gives you the skinny on Caltech classes. Handily located on the web, you can look it up at [www.its/~clue](http://www.its/~clue).

The new version is linked from that URL, and should be appearing in its final form very soon.

ASCIT also provides you with movies. Showing tonight is *Apollo 13*, and as a special offer, we've made the movie showing free. Even if you're too cheap to pay the \$2, this time you don't have any excuse to miss a good movie.

To some degree, we also provide you with food. (ASCIT is more than just doughnuts, now!) Thanks to the valiant efforts of Coffeehouse workers, we're providing you with some good wholesome grease every night at the Coffeehouse. Don't miss your favorite old people making shakes Saturday night.

Some of you might be mo-

tivated to work many hours for the betterment of your fellow student. A few have already asked me what they can do. If you think you have too much free time, we have no shortage of work that needs to be done. The best thing to do is to just show up at a meeting of the ASCIT Board of Directors and introduce yourself. Even though we'll probably growl at you and make menacing faces, we won't bite. We might even give you something to eat.

Meetings are in SAC 33, but we have yet to decide on a weekly meeting time. If you're interested, email [ascit@its](mailto:ascit@its) and we'll get back to you as soon as we figure out when we're free. I encourage you to take a look at ASCIT's modest website at [www.its/~ascit](http://www.its/~ascit). Our governing documents, contact information, and other tasty morsels of information are contained therein.

The Tech staff is always looking for dedicated workers too. (No, that's not the only reason I'm writing this article.) Contact the editors if you're willing to bring your journalism to the Tech. No doubt you can find their email address somewhere in this paper.

If you're reading this paper early, I'll see you soon with boxes of delicious doughnuts. If you missed the doughnuts, man, it sucks to be you.

Baldeep

## The Outside World

by Erik Dill

**BEIJING, CHINA** - Chinese dissidents attempting to form the China Democratic Party have met with strong opposition from the Chinese government. Local officials in several provinces detained individuals attempting to apply to the party. No political parties have been permitted to form since the Communist party gained power in 1949.

**KABUL, AFGHANISTAN** - On Sunday, September 20th, forces opposed to the Taliban government fired rockets into a market and busy residential area. Up to 180 people were killed or wounded in the attack. Currently, Taliban forces have control of more than 90 percent of the country.

**MONROVIA, LIBERIA** - Two Americans were wounded when faction leader Roosevelt Johnson sought shelter from Liberian troops in the US embassy. Government troops sprayed the embassy with gunfire as they pursued Johnson. A previous attempt to capture Johnson Friday night led to a shoot-out in which 47 people were killed.

**UNITED NATIONS PLAZA, NEW YORK** - President Mohammad Khatami acknowledged that the Iranian government will no longer pursue the fatwa against novelist Salman Rushdie. Ayahtollah Ruhollah Khomeini proclaimed the fatwa, a death sentence based on Islamic law, against Rushdie for his novel "The Satanic Verses." Despite the government's stance, however, the current Ayahtollah maintains that the fatwa cannot be retracted.

**SAN JUAN, PUERTO RICO** - Hurricane George hit the island Tuesday, causing at least five deaths and over one billion dollars in property damage. George, described as the worst hurricane in 70 years, has caused 50 deaths in the Caribbean, and will hit the Florida Keys late Thursday or early Friday.

**UNITED NATIONS** - Nawaz Sharif, Pakistan's Prime Minister, addressed the General Assembly and stated that he would sign a treaty banning nuclear testing, provided that sanctions against Pakistan were lifted. Pakistan and India tested nuclear weapons last May, prompting the United Nations to impose sanctions against both countries.

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For additional information, please contact Patricia Fitzsimons at 415-981-5101.

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# The Official 1998 Annotated Rotation Rules

[This is not the complete set, only what Jaideep Singh asked to be published—Eds.]

5. Houses are specifically prohibited from doing the following during rotation:

a. making a trophy or alley challenge  
b. publishing a social calendar or relating in any fashion future social events. Comments about past social events are perfectly okay, if it is made clear to the new students that it is an event that happened in the past. Web pages must also be cleansed of a social calendar.

c. organizing and sponsoring a social event. Some social events can occur, but only with IHC approval. These IHC-approved events will typically include the following two stipulations. New students can not be invited to them, and if they do come, they have to be turned away. The other is that it must be held at a House neutral site (i.e. not in any of the Houses.) Requests should be sent to any member of the IHC or [ihc@ugcs.caltech.edu](mailto:ihc@ugcs.caltech.edu).

d. attending a reception of a House of which you are not a member without the permission of that House's president

e. discussing with new students anything at all to do with picking strategies, future new student picks, or past new student picks. This is no lee-way with this rule. The only thing that is permissible to say to the new students is that they should rank as honestly as possible. There is no statute of limitations on Picks information. In other words, no Picks info from any year can be discussed. Any attempt to find out how the Picks process works is in itself a Rotation Violation.

f. spending money on a new student or providing extraordinary goods or services on credit or for no charge. What "extraordinary"

means is up to IHC interpretation. This is a case where upperclassmen are expected to use their own judgement wisely. Pocket change and candy are certainly not extraordinary.

g. providing transportation for a new student beyond Old Pasadena except when required for athletic training. This rule is somewhat flexible; however, all exceptions need to go before the IHC.

h. providing alcohol or other controlled substance to a new student. There is absolutely no flexibility with this rule. Providing alcohol or other controlled substances is clearly against the rules and there is absolutely no way around it. "Providing" also includes promises of providing alcohol and other controlled substances to new students after the Rotation Rules are no longer in effect. In other words don't say something like, "After these Rotation Rules are no longer in effect, I will provide you, a new student, with alcohol and/or other controlled substances."

i. getting a new student a date (Note: dating a new student is not a violation, but setting a new student up with another person is a violation.) Dating a new student is okay. Getting them dates is an unfair bias.

j. otherwise unfairly biasing a new student toward or against a House. This rule gives the IHC the power to review actions of Houses during Rotation that could be possible Rotation Violations that aren't explicitly spelled out in the Rotation Regulations. (Note: there is no "gag rule." Individuals are not prohibited from speaking about a House of which they are not a member. However, individuals are advised to take care in what they say, as they may be misinformed.)

The infamous "No-Gag Rule" rule is al-

ways a cause for confusion. The reason it is so is for two reasons. One is that the IHC interpretation of this rule is always changing year to year. The other reason is that people are afraid to anything so they say nothing. The question becomes what can and cannot be said. Once again a person's own judgement comes into play. One should follow these guidelines when talking about any of the 7 undergraduate Houses:

1) Be sure to express that the things being said are simply opinions and how you feel. Use phrases like "In my opinion, ..." and "In my experience, I feel that ..."

2) Opinions should not be presented in a factual manner. Examples are: "It is a fact that there are a lot of transsexual lesbian Nazi eskimos in Booty House," "All Booty Housers are barefoot alcoholics," "Everyone from Booty House is a frat-like, Bible-reading, ultimate frisbee player," and "No one on campus likes those Booty House jerks." [This has been edited—Eds.]

3) The intent of things that you say to a new student should be used as an informational tool with which the new student can come to their own conclusion about the Houses.

4) It should be clear to the new student that when you say something about another House that you are not a member of the House that you are speaking about.

5) False statements cannot be said about any House. Not knowing that a statement about a House is false is not an excuse.

6) There is a big difference between giving your unprompted opinion to a new student and the new student asking for your opinion.

7) Keep in mind that the rules state that you are not permitted to unfairly bias a new student for or against a House. The term House includes your own House.

It is important that a new student get as much information as possible in order to make their decisions an informed one. New students must be given some credit for discerning a highly biased positive or negative opinion. The above is just a guideline. It is impossible to spell out what can and cannot be said. Just think about what your saying, be reasonable, use your best judgement, be straightforward, be honest, and be friendly.

6. Aside from the specifically authorized activities, Houses may do anything approved by the IHC in advance of the act.

7. Information pertaining to the ranking of each student and to the order of the picks may not be made public. All such information in written or electronic form must be destroyed immediately following picks.

These two are covered before briefly in 5c. and 5e. Exceptions to any of these rules may be made by the IHC, however, they must be notified about it in some way. Report all possible Rotation Violations to a member of the IHC (see Page 6 for a list of members).



by Jason Meltzer

One day, long ago, Satan came to talk with God (even if you don't believe the religious stuff, which I don't, it's still a nice literary metaphor — work with me here). Satan said, in his devious manner, to God, "I have a wager for you." God, not being one to turn down a challenge, accepted Satan's bet unheard. "I wager," Satan continued, "that if you allow me to create a place on Earth that will contain a group of the most intelligent human beings, whose purpose will be to decipher the mysteries of the universe, that they will one day understand your true nature." God knew Satan's mind, and knew his intentions, but agreed, and allowed him to carry out his plan. What could go wrong? His last bet about that Job fellow seemed to work out well enough.... Thus Satan descended to Earth and planted suggestions in the minds of great men. But God was clever and he, too, shaped these men to his will, adding his own elements to Satan's plan. And the great men united, and carried out the will of the supernatural, and Caltech was born. An earthly piece of both Heaven and Hell, where the most brilliant minds of Man work tirelessly to understand the universe, and perhaps God Himself.

The purpose of this little fable is to wel-

come you to this column, and some of you to Caltech. Here I will talk about Caltech, about the world around Caltech, and about its students, its events, its traditions, its life. Like any place, Caltech is alive — it lives through its people and their actions. Caltech is many things to many people. It can be your Heaven or Hell, or a little of both; for some it is a home, or simply a place to live; for some it is a place to grow up, for others a place to grow old, and yet others a place to rediscover the wonders of childhood curiosity and thirst for knowledge.

I'm rambling... I know; you say, "this isn't 'The Dean's Corner' — get to the point!" The point is: no matter what Caltech means to you, it's an interesting place, with lots of interesting people, stories, and things to talk about. So that's just what I'm going to do! But I don't want to be the only one talking; I also want to hear what all of my readers have to say, as well (I actually couldn't give a damn what everyone else thinks — no, no, I don't mean you, of course, I mean everyone else... I really do care what you think — but it's a good interest keeper, and space filler when necessary). In that spirit, once in a while (when I'm either too busy or lazy to write a column), I will publish letters sent in from readers, so every-

one can have the opportunity to express a point of view. I might even respond to a few. Now, on to the topic of my first column: Rotation.

Caltech is a place of Tradition. We have many, some belonging to individual Houses, others campus-wide. Perhaps the most important of these traditions is Rotation, the process by which all of Our Fine Houses acquire new Freshmen. The idea, as most everyone should know by the time they read this, is for the members of all of the Houses to meet the Frosh, and at the same time for the Frosh to learn about the Houses. Sure sounds like a good idea to me! With the way our primary system of housing is set up at Caltech, the House that one becomes a member of can make a big difference in one's future. From the moment you are chosen into a House, you become associated with it: you will spend most of your time there, most of your friends will also be members, you will, most likely, lose contact with many of the people you know outside of your House, and many people will know you by your affiliation. (This is, of course, not true of everybody, but it is not an unfounded generalization, either.) So, it is important that you get chosen into a House that suits your personality.

That's what Rotation is for, in theory, anyway. In reality, and in my experience, it does little to benefit all but the most persistent and interested of Frosh. House dinners and receptions are mostly for show — they do little to display the actual personality of the House. Sure, you get a chance to meet all of the House members that show up, and most are very receptive and open to meeting new Frosh, but the impression I got from the majority of the Rotation parties was: "this place seems nice, but not very different from any of the others." Basically, I came out of Rotation with little more knowledge than when it began. I knew which Houses I wanted to be in at the time, but, in retrospect, my choices would have been very different, given more accurate information.

The Houses have a similar problem: their members can only meet (and remember) so many people, and the student interest sheets (you all remember those, don't you? Mine was so boring I'm surprised they didn't send me directly to Avery!) I doubt help very much. How can they guess where all these people belong from a brief meeting and a piece of paper?

This is just my perspective, of course (hey, it's my column); it's possible that I just didn't play the game properly, and some others have told me that they felt very different about Rotation. I will say, however, that I found I liked very much the House I was chosen into, even though it was not my first choice at the time (in fact, it was the lowest of those I ranked). Had I to go through it again, with my present knowledge of the Houses and their members, I would have excluded some of the selections I made at the time and ranked very highly some I had excluded! (I can't be specific, as that would be a Rotation Rule Violation — a topic I will discuss in our next visit.)

For all of you Freshmen out there, don't despair. Rotation can be very useful, if you are persistent and try to find out all you can about the Houses. If you find a House that you think you'll like, spend a lot of time there (but don't forget about the others, too) and get to know the people. It's a hard thing to do in a week, but you can learn a lot about the Houses if you try. I have no idea how the picks process works from the Houses' end, but it seems to work well for most (though some people are terribly placed), and it will probably work for most of this year's freshmen, too.

I'd love to hear some other Techer's rotation experiences, especially from the current Frosh, so send some e-mails ([Jasonm1@cco](mailto:Jasonm1@cco))!

And remember, nobody's won that divine wager yet, so we've still got a long way to go! Enjoy the ride, while you're on it. I hope we can have some fun on the way together.



## ROTATION

## 1998 Rotation Dinner Schedule

## House Abbreviations

Bl Blacker  
Da Dabney  
Fl Fleming  
L Lloyd  
Pa Page  
Ri Ricketts  
Ru Ruddock

## Dinner Schedule Key

- The house you will eat lunch in and the house you will eat dinner in are separated by a colon.
- On Sunday, only dinner is served.
- On Saturday, only lunch is served.
- Your Saturday lunch should be in the house you are rotating out of.

## Members of the IHC

Jaideep Singh	Chair	x1719	jaideep@cco
Tanya Tickel	Secretary	x1776	tickel@cco
Eric Hale	Blacker	x1155	hale@cco
Miles Shuman	Dabney	x1574	miles@ugcs
Joanne Jang	Fleming	x1210	joanne@cco
Andy Laucius	Lloyd	x1602	lauciusa@cco
Lisa Biswal	Page	x1200	sibani@cco
Mike Astle	Ricketts	x1124	astle@cco
Jeremiah Smith	Ruddock	x1102	jeremiah@cco

	SUN	MON	TUES	WED	THUR	FRI	SAT		SUN	MON	TUES	WED	THUR	FRI	SAT
Anderson, James	:FL	LL:RU	Ri:PA	PA:DA	RU:RI	DA:LL	BL:	Englund, Dirk	:RU	DA:PA	BL:RI	Ri:FL	PA:BL	FL:DA	LL:
Arcia, Lailani	:RI	PA:RU	DA:LL	LL:FL	RU:DA	FL:PA	BL:	Erives, Alejandro	:LL	FL:RI	BL:RU	RU:DA	Ri:BL	DA:FL	PA:
Ardalan, Shahram	:FL	PA:RU	Ri:DA	DA:LL	RU:RI	LL:PA	BL:	Estes, John	:DA	RU:LL	PA:RI	Ri:FL	LL:PA	FL:RU	BL:
Arribas-Layton, Marcos	:PA	BL:FL	DA:RI	Ri:LL	FL:DA	LL:BL	RU:	Fassler, Joseph	:PA	RU:BL	FL:RI	Ri:LL	BL:FL	LL:RU	DA:
Ashman, Matthew	:FL	PA:RI	BL:LL	LL:RU	Ri:BL	RU:PA	DA:	Ferguson, John-Eric	:BL	PA:FL	LL:DA	DA:RI	FL:LL	Ri:PA	RU:
Austin, Nathaniel	:RU	BL:PA	DA:LL	LL:RI	PA:DA	Ri:BL	FL:	Fox, Leah	:LL	PA:BL	FL:RU	RU:DA	BL:FL	DA:PA	Ri:
Ayers, Kenneth	:RU	Ri:FL	DA:PA	PA:BL	FL:DA	BL:RI	LL:	Fulton, Faith	:LL	FL:RU	BL:RI	Ri:PA	RU:BL	PA:FL	DA:
Backes, Benjamin	:BL	FL:RU	Ri:DA	DA:LL	RU:RI	LL:FL	PA:	Fung, Philip	:DA	BL:PA	LL:RU	RU:RI	PA:LL	Ri:BL	FL:
Baker, Douglas	:BL	PA:LL	Ri:DA	DA:RU	LL:RI	RU:PA	FL:	Gagne, Laurie	:LL	FL:DA	PA:RI	Ri:BL	DA:PA	BL:FL	RU:
Balaraman, Vijayanthi	:FL	RU:PA	BL:DA	DA:LL	PA:BL	LL:RU	Ri:	Gibbs, Caroline	:DA	Ri:FL	RU:LL	LL:PA	FL:RU	PA:RI	BL:
Ballard, Matthew	:DA	FL:RI	LL:BL	BL:PA	Ri:LL	PA:FL	RU:	Goldfeld, Yury	:DA	PA:BL	RU:RI	Ri:FL	BL:RU	FL:PA	LL:
Bandeh-Ahmadi, Ayeh	:RU	Ri:PA	FL:DA	DA:LL	PA:FL	LL:RI	BL:	Gonzalez, Cesar	:PA	Ri:DA	BL:FL	FL:LL	DA:BL	LL:RI	RU:
Bao, Zhaosheng	:RI	BL:PA	FL:RU	RU:LL	PA:FL	LL:BL	DA:	Gorstko, Yelizaveta	:RU	Ri:LL	DA:FL	FL:PA	LL:DA	PA:RI	BL:
Beard, Mary	:FL	LL:RU	Ri:PA	PA:DA	RU:RI	DA:LL	BL:	Graham, Clara	:DA	Ri:RU	LL:PA	PA:BL	RU:LL	BL:RI	FL:
Beauchamp, Brock	:DA	FL:PA	RU:RI	Ri:LL	PA:RU	LL:FL	BL:	Greenham, Jane	:DA	LL:RU	FL:RI	Ri:BL	RU:FL	BL:LL	PA:
Beloreshka, Teodora	:BL	RU:RI	FL:PA	PA:LL	Ri:FL	LL:RU	DA:	Guerrera, Anthony	:DA	FL:RU	BL:RI	Ri:PA	RU:BL	PA:FL	LL:
Bennett, Michelle	:RU	DA:FL	LL:PA	PA:BL	FL:LL	BL:DA	Ri:	Gupta, Dinkar	:BL	RU:DA	PA:LL	LL:FL	DA:PA	FL:RU	Ri:
Bernat, David	:DA	FL:RI	LL:BL	BL:RU	Ri:LL	RU:FL	PA:	Guskin, David	:LL	DA:RI	RU:BL	BL:PA	Ri:RU	PA:DA	FL:
Blakestad, Rodney	:LL	DA:RI	FL:PA	PA:RU	Ri:FL	RU:DA	BL:	Gutenkunst, Ryan	:FL	BL:RI	PA:DA	DA:RU	Ri:PA	RU:BL	LL:
Blankenburg, Garrett	:RU	FL:RI	DA:LL	LL:PA	Ri:DA	PA:FL	BL:	Haapanen, Siina	:RI	DA:FL	PA:LL	LL:RU	FL:PA	RU:DA	BL:
Blood, Brian	:RI	RU:DA	BL:LL	LL:FL	DA:BL	FL:RU	PA:	Hagan, Jeanette	:DA	LL:PA	Ri:FL	FL:RU	PA:RI	RU:LL	BL:
Boeddiker, Michael	:RI	FL:LL	BL:PA	PA:RU	LL:BL	RU:FL	DA:	Hang, Gao	:RU	LL:PA	Ri:BL	BL:DA	PA:RI	DA:LL	FL:
Boonkasame, Anakewit	:PA	RU:LL	BL:DA	DA:RI	LL:BL	Ri:RU	FL:	Haq, Nadia	:DA	RU:FL	Ri:BL	BL:PA	FL:RI	PA:RU	LL:
Borchert, Thomas	:BL	Ri:PA	LL:DA	DA:RU	PA:LL	RU:RI	FL:	Hardy, Brian	:RU	DA:BL	Ri:FL	FL:PA	BL:RI	PA:DA	LL:
Boswell, Dustin	:RI	RU:DA	BL:LL	LL:FL	DA:BL	FL:RU	PA:	Harris, John	:RI	RU:BL	LL:FL	FL:DA	BL:LL	DA:RU	PA:
Boto, Agedi	:DA	FL:LL	Ri:RU	RU:BL	LL:RI	BL:FL	PA:	Hayden, Larry	:FL	Ri:BL	RU:LL	LL:PA	BL:RU	PA:RI	DA:
Bowman, Richard	:PA	DA:BL	LL:FL	FL:RU	BL:LL	RU:DA	Ri:	Haynes, Alan	:RU	DA:PA	Ri:BL	BL:LL	PA:RI	LL:DA	FL:
Bowra, Todd	:FL	Ri:PA	RU:BL	BL:LL	PA:RU	LL:RI	DA:	Heffner, Garrett	:PA	DA:FL	LL:RI	Ri:RU	FL:LL	RU:DA	BL:
Brown, Nathan	:RI	DA:FL	RU:LL	LL:BL	FL:RU	BL:DA	PA:	Heller, Jessica	:RI	LL:DA	PA:RU	RU:BL	DA:PA	BL:LL	FL:
Bueno, Elisa	:RI	BL:RU	FL:LL	LL:DA	RU:FL	DA:BL	PA:	Henderson, Donald	:FL	BL:RI	DA:LL	LL:PA	Ri:DA	PA:BL	RU:
Bustos, David	:RI	PA:FL	RU:BL	BL:DA	FL:RU	DA:PA	LL:	Herrera, Dax	:RU	BL:LL	DA:RI	Ri:FL	LL:DA	FL:BL	PA:
Calkins, Sascha	:LL	DA:RU	FL:PA	PA:BL	RU:FL	BL:DA	Ri:	Hicks, Aaron	:LL	BL:PA	DA:FL	FL:RI	PA:DA	Ri:BL	RU:
Campos, Fernando	:DA	LL:BL	PA:FL	FL:RI	BL:PA	Ri:LL	RU:	Higa, Kenneth	:DA	PA:LL	BL:FL	FL:RI	LL:BL	Ri:PA	RU:
Carranza, Joel	:DA	PA:FL	RU:LL	LL:RI	FL:RU	Ri:PA	BL:	Ho, Justin	:BL	Ri:RU	FL:PA	PA:DA	RU:FL	DA:RI	LL:
Castano, Emilio	:RU	BL:LL	PA:DA	DA:FL	LL:PA	FL:BL	Ri:	Hoang, Cuong	:PA	LL:RI	FL:RU	RU:DA	Ri:FL	DA:LL	BL:
Celano, Luigi	:RI	DA:LL	BL:PA	PA:FL	LL:BL	FL:DA	RU:	Hochberg, Michael	:BL	LL:FL	RU:RI	Ri:PA	FL:RU	PA:LL	DA:
Chan, Elisa	:PA	BL:RI	DA:LL	LL:FL	Ri:DA	FL:BL	RU:	Hoffman, Loren	:RI	BL:RU	FL:PA	PA:LL	RU:FL	LL:BL	DA:
Chan, Sunny	:FL	Ri:RU	PA:BL	BL:LL	RU:PA	LL:RI	DA:	Hong, Elizabeth	:RI	RU:DA	PA:BL	BL:FL	DA:PA	FL:RU	LL:
Chan-Aldebol, Carl	:DA	PA:BL	Ri:FL	FL:RU	BL:RI	RU:PA	LL:	Hosein, Helen	:BL	Ri:PA	LL:RU	RU:DA	PA:LL	DA:RI	FL:
Chandran, Vivek	:DA	RU:FL	BL:LL	LL:RI	FL:BL	Ri:RU	PA:	Hsiao, Chuck	:BL	RU:LL	FL:RI	Ri:DA	LL:FL	DA:RU	PA:
Chen, Cindy	:LL	RU:BL	DA:RI	Ri:PA	BL:DA	PA:RU	FL:	Huang, Bevan	:RI	PA:RU	DA:BL	BL:FL	RU:DA	FL:PA	LL:
Cheng, Michael	:LL	Ri:FL	RU:DA	DA:BL	FL:RU	BL:RI	PA:	Hunyadi, Sarah	:RI	BL:RU	PA:FL	FL:DA	RU:PA	DA:BL	LL:
Ching, Alisa	:RU	FL:DA	LL:PA	PA:BL	DA:LL	BL:FL	Ri:	Ingraham, Kinsey	:FL	PA:RU	DA:RI	Ri:BL	RU:DA	BL:PA	LL:
Ching, Wendy	:LL	FL:DA	BL:PA	PA:RI	DA:BL	Ri:FL	RU:	Ionita-Ariton, Daniela	:BL	LL:RI	RU:FL	FL:DA	Ri:RU	DA:LL	PA:
Chiu, Richard	:FL	BL:DA	Ri:PA	PA:RU	DA:RI	RU:BL	LL:	Ivanov, Anton	:PA	DA:BL	FL:RU	RU:LL	BL:FL	LL:DA	Ri:
Chow, Herman	:BL	LL:RI	DA:FL	FL:RU	Ri:DA	RU:LL	PA:	Johnson, Tyler	:RU	BL:FL	DA:PA	PA:LL	FL:DA	LL:BL	Ri:
Coe, Andrew	:PA	RU:FL	Ri:LL	LL:BL	FL:RI	BL:RU	DA:	Johnston, Bruce	:PA	Ri:FL	RU:DA	DA:LL	FL:RU	LL:RI	BL:
Colaco, Nalini	:RI	FL:BL	PA:LL	LL:DA	BL:PA	DA:FL	RU:	Kalenik, Benjamin	:BL	FL:DA	LL:PA	PA:RU	DA:LL	RU:FL	Ri:
Cook, Kristen	:RU	BL:RI	LL:FL	FL:PA	Ri:LL	PA:BL	DA:	Kang, Hyunah	:LL	DA:FL	BL:RI	Ri:PA	FL:BL	PA:DA	RU:
Cooke, Sarah	:DA	FL:BL	Ri:PA	PA:RU	BL:RI	RU:FL	LL:	Karhson, Beverly	:PA	BL:RI	RU:LL	LL:DA	Ri:RU	DA:BL	FL:
Coppock, Alice	:DA	BL:PA	RU:LL	LL:RI	PA:RU	Ri:BL	FL:	Karnesky, Jr, Richard	:RU	DA:RI	BL:LL	LL:FL	Ri:BL	FL:DA	PA:
Cordero, Mauricio	:RU	LL:PA	DA:FL	FL:RI	PA:DA	Ri:LL	BL:	Kazachki, Danail	:LL	DA:BL	PA:RU	RU:FL	BL:PA	FL:DA	Ri:
Cotoros, Ingrid	:BL	PA:LL	Ri:RU	RU:FL	LL:RI	FL:PA	DA:	Kelly, Amy	:RU	Ri:PA	FL:BL	BL:DA	PA:FL	DA:RI	LL:
Crosby, Timothy	:PA	FL:RU	BL:DA	DA:RI	RU:BL	Ri:FL	LL:	Khairallah, Omar	:BL	DA:RI	FL:PA	PA:LL	Ri:FL	LL:DA	RU:
Cuadros, John	:DA	RU:BL	FL:LL	LL:RI	BL:FL	Ri:RU	PA:	Kim, Jean	:PA	BL:LL	DA:FL	FL:RU	LL:DA	RU:BL	Ri:
Danakian, Lusine	:LL	PA:RI	BL:DA	DA:FL	Ri:BL	FL:PA	RU:	Knouf, Nicholas	:BL	PA:RI	LL:RU	RU:FL	Ri:LL	FL:PA	DA:
Daniels, Theresa	:PA	Ri:DA	FL:BL	BL:LL	DA:FL	LL:RI	RU:	Kohler, Katharina	:FL	DA:PA	LL:BL	BL:RI	PA:LL	Ri:DA	RU:
Daugherty, Karen	:FL	LL:PA	DA:BL	BL:RI	PA:DA	Ri:LL	RU:	Kraatz, Barbara	:PA	LL:BL	FL:DA	DA:RU	BL:FL	RU:LL	Ri:
Davies, Aaron	:FL	Ri:BL	LL:PA	PA:RU	BL:LL	RU:RI	DA:	Kutnicki, Solomon	:RI	PA:DA	LL:FL	FL:RU	DA:LL	RU:PA	BL:
Den Hartog, Joshua	:RU	DA:PA	LL:BL	BL:RI	PA:LL	Ri:DA	FL:	Lam, Phuong-Nghi	:PA	FL:DA	LL:BL	BL:RI	DA:LL	Ri:FL	RU:
Dennedy-Frank, Peter	:RU	DA:RI	PA:FL	FL:BL	Ri:PA	BL:DA	LL:	Lamanna, James	:PA	FL:BL	LL:RU	RU:RI	BL:LL	Ri:FL	DA:
Dexter, Rachel	:FL	DA:RI	BL:RU	RU:LL	Ri:BL	LL:DA	PA:	Lanman, Douglas	:PA	RU:RI	DA:BL	BL:LL	Ri:DA	LL:RU	FL:
Eason, Deborah	:RI	FL:DA	PA:BL	BL:RU	DA:PA	RU:FL	LL:	Lee, Benjamin	:BL	RU:RI	FL:DA	DA:PA	Ri:FL	PA:RU	LL:
Eaton, Frederik	:LL	RU:PA	DA:BL	BL:RI	PA:DA	Ri:RU	FL:	Lee, Tanya	:RI	BL:FL	PA:RU	RU:DA	FL:PA	DA:BL	LL:
Eley, Serena	:RU	Ri:DA	FL:BL	BL:LL	DA:FL	LL:RI	PA:	Letona, Guillermo	:PA	DA:LL	BL:RU	RU:RI	LL:BL	Ri:DA	FL:
Elion, Christopher	:FL	PA:LL	BL:RU	RU:DA	LL:BL	DA:PA	Ri:	Liebling, Daniel	:BL	LL:FL	RU:RI	Ri:DA	FL:RU	DA:LL	PA:
Eng, Brian	:BL	DA:RI	PA:FL	FL:LL	Ri:PA	LL:DA	RU:	Lin, Chia-wei	:PA	Ri:FL	RU:DA	DA:BL	FL:RU	BL:RI	LL:



House Dinner Times:	
BLACKER	6:05PM
DABNEY	6:15PM
FLEMING	6:30PM
LLOYD	6:15PM
PAGE	6:45PM
RICKETTS	6:20PM
RUDDOCK	6:30PM

# Words of Advice from IHC Chair Jaideep Singh

by Jaideep Singh

The goal of Rotation is to find a best match between the Houses and the new students. The motivation given in the preamble is that the Rotation Rules are there to prevent any House from gaining an unfair advantage.

The rules try to prevent unfair ad-

vantage in two ways. Some of the rules focus on preventing the new students from getting unfair bias. Unfair bias is a difficult thing to define. Basically what the term means is that all the Houses should be on an even playing ground when recruiting new students.

The other rules try to prevent the Houses from going too far in their at-

tempt to recruit the new students. Because the Houses don't want themselves to go over board in recruiting the new students, the Houses have established self-imposed rules for what they consider going too far.

By the very nature of this premise, it becomes clear why some of the rules

PLEASE SEE JAIDEEP, PAGE 8

		SUN	MON	TUES	WED	THUR	FRI	SUN	SAT	MON	TUES	WED	THUR	FRI	SAT
Lin, Ralph	:FL	LL:Ri	RU:DA	DA:BL	Ri:RU	BL:LL	PA:	Snow, Angela	:PA	FL:Ri	LL:DA	DA:BL	Ri:LL	BL:FL	RU:
Lippert, Alexander	:LL	DA:BL	PA:FL	FL:Ri	BL:PA	Ri:DA	RU:	Snyder, Thomas	:FL	Ri:LL	RU:PA	PA:BL	LL:RU	BL:Ri	DA:
Liu, Michael	:BL	Ri:LL	FL:DA	DA:PA	LL:FL	PA:Ri	RU:	Sowinski, Anthony	:BL	LL:DA	RU:Ri	Ri:PA	DA:RU	PA:LL	FL:
Liu, Yurun	:LL	PA:Ri	FL:DA	DA:BL	Ri:FL	BL:PA	RU:	Srinivasan, Lakshminarayan	:RU	FL:Ri	PA:BL	BL:DA	Ri:PA	DA:FL	LL:
Lomeli, Gabriel	:LL	FL:DA	RU:Ri	Ri:BL	DA:RU	BL:FL	PA:	Stein, Richard	:DA	FL:RU	Ri:BL	BL:LL	RU:Ri	LL:FL	PA:
Lu, Thea	:PA	LL:DA	BL:Ri	Ri:FL	DA:BL	FL:LL	RU:	Stick, Daniel	:DA	RU:BL	FL:LL	LL:PA	BL:FL	PA:RU	Ri:
Ly, Don	:RU	Ri:FL	PA:LL	LL:DA	FL:PA	DA:Ri	BL:	Stob, Rebecca	:BL	DA:RU	Ri:LL	LL:FL	RU:Ri	FL:DA	PA:
Mack, Ryan	:DA	RU:BL	LL:Ri	Ri:FL	BL:LL	FL:RU	PA:	Sturgeon, Victoria	:FL	LL:Ri	BL:DA	DA:PA	Ri:BL	PA:LL	RU:
Mahoney, Sarah	:FL	DA:PA	RU:BL	BL:Ri	PA:RU	Ri:DA	LL:	Su, Zhendi	:Ri	BL:DA	PA:LL	LL:RU	DA:PA	RU:BL	FL:
Makonnen, Samuel	:Ri	LL:RU	PA:DA	DA:BL	RU:PA	BL:LL	FL:	Sullivan, Jeffrey	:FL	RU:DA	Ri:LL	LL:BL	DA:Ri	BL:RU	PA:
Maquestiaux, Christophe	:FL	LL:DA	Ri:RU	RU:BL	DA:Ri	BL:LL	PA:	Suttangkakul, Anongpat	:DA	BL:RU	PA:Ri	Ri:FL	RU:PA	FL:BL	LL:
Marcus, David	:LL	PA:FL	DA:RU	RU:Ri	FL:DA	Ri:PA	BL:	Swanson, Molly	:DA	BL:FL	Ri:RU	RU:LL	FL:Ri	LL:BL	PA:
Massey, Michael	:RU	Ri:FL	BL:LL	LL:DA	FL:BL	DA:Ri	PA:	Swinney, Jr, Robert	:PA	Ri:LL	FL:BL	BL:DA	LL:FL	DA:Ri	RU:
Mayes, Robin	:DA	PA:FL	RU:LL	LL:Ri	FL:RU	Ri:PA	BL:	Taggart, Jennifer	:Ri	BL:LL	RU:FL	FL:DA	LL:RU	DA:BL	PA:
McCullough, Wesley	:DA	LL:Ri	FL:PA	PA:BL	Ri:FL	BL:LL	RU:	Tanushev, Nicolay	:BL	DA:Ri	RU:FL	FL:LL	Ri:RU	LL:DA	PA:
McGibbon, Jason	:Ri	DA:PA	FL:BL	BL:RU	PA:FL	RU:DA	LL:	Thanyakoop, Chalita	:RU	BL:PA	DA:FL	FL:LL	PA:DA	LL:BL	Ri:
McHugh, Sean	:PA	Ri:RU	DA:FL	FL:LL	RU:DA	LL:Ri	BL:	Thap, Den	:BL	RU:LL	Ri:DA	DA:FL	LL:Ri	FL:RU	PA:
Medin, Zachary	:LL	Ri:PA	RU:DA	DA:FL	PA:RU	FL:Ri	BL:	Therien, William	:Ri	FL:LL	RU:DA	DA:BL	LL:RU	BL:FL	PA:
Meilstrup, Peter	:FL	LL:RU	Ri:BL	BL:PA	RU:Ri	PA:LL	DA:	Thomas, Elizabeth	:LL	RU:PA	BL:FL	FL:DA	PA:BL	DA:RU	Ri:
Merkle, Florian	:DA	BL:PA	Ri:LL	LL:RU	PA:Ri	RU:BL	FL:	Thomason, Adam	:LL	Ri:DA	FL:PA	PA:BL	DA:FL	BL:Ri	RU:
Metcalf, Robert	:RU	PA:Ri	DA:FL	FL:LL	Ri:DA	LL:PA	BL:	Thompson, Samuel	:Ri	BL:RU	LL:DA	DA:FL	RU:LL	FL:BL	PA:
Moll, David	:FL	Ri:DA	LL:PA	PA:BL	DA:LL	BL:Ri	RU:	Thrasher, Jr, Stephen	:RU	BL:PA	FL:Ri	Ri:DA	PA:FL	DA:BL	LL:
Morganson, Eric	:FL	RU:BL	Ri:LL	LL:DA	BL:Ri	DA:RU	PA:	Tiedemann, Bryan	:RU	Ri:BL	PA:LL	LL:DA	BL:PA	DA:Ri	FL:
Mullen, Patrick	:DA	FL:BL	LL:Ri	Ri:PA	BL:LL	PA:FL	RU:	Todd, Melissa	:LL	FL:RU	DA:BL	BL:Ri	RU:DA	Ri:FL	PA:
Navarro, Aldo	:PA	LL:DA	BL:Ri	Ri:RU	DA:BL	RU:LL	FL:	Tollefson, Jeremy	:LL	FL:DA	RU:BL	BL:Ri	DA:RU	Ri:FL	PA:
Nayak, Suhas	:DA	FL:BL	LL:PA	PA:Ri	BL:LL	Ri:FL	RU:	Tran, Jason	:BL	LL:PA	DA:FL	FL:RU	PA:DA	RU:LL	Ri:
Nguyen, Albert	:DA	LL:PA	Ri:BL	BL:RU	PA:Ri	RU:LL	FL:	Tung, Jennifer	:BL	LL:DA	PA:FL	FL:RU	DA:PA	RU:LL	Ri:
Njoroge, Danson	:DA	LL:RU	Ri:BL	BL:FL	RU:Ri	FL:LL	PA:	Valdivia, Al	:FL	LL:DA	Ri:PA	PA:BL	DA:Ri	BL:LL	RU:
Norville, Julie	:LL	FL:BL	RU:Ri	Ri:PA	BL:RU	PA:FL	DA:	Valles, Francisco	:FL	DA:BL	PA:RU	RU:Ri	BL:PA	Ri:DA	LL:
Nowell, Philip	:PA	LL:RU	Ri:DA	DA:BL	RU:Ri	BL:LL	FL:	Vargo, James	:PA	DA:BL	RU:Ri	Ri:FL	BL:RU	FL:DA	LL:
Ohara, Junko	:BL	Ri:PA	RU:LL	LL:DA	PA:RU	DA:Ri	FL:	Venable, Morgan	:PA	DA:FL	RU:Ri	Ri:BL	FL:RU	BL:DA	LL:
Otey, Clayton	:Ri	PA:LL	FL:DA	DA:BL	LL:FL	BL:PA	RU:	Venturelli, Philip	:LL	RU:PA	DA:FL	FL:BL	PA:DA	BL:RU	Ri:
Owens, Dylan	:FL	BL:RU	DA:LL	LL:Ri	RU:DA	Ri:BL	PA:	Vieregg, Craig	:Ri	RU:FL	BL:DA	DA:PA	FL:BL	PA:RU	LL:
Palmer, Brian	:BL	PA:FL	LL:RU	RU:Ri	FL:LL	Ri:PA	DA:	Vu, Amy	:BL	DA:LL	RU:Ri	Ri:PA	LL:RU	PA:DA	FL:
Palmrose, Gerald	:BL	RU:LL	FL:DA	DA:PA	LL:FL	PA:RU	Ri:	Vukajlovich, Dana	:Ri	LL:BL	DA:FL	FL:RU	BL:DA	RU:LL	PA:
Paulikas, Daina	:BL	DA:LL	Ri:RU	RU:PA	LL:Ri	PA:DA	FL:	Wang, Brian	:DA	FL:Ri	LL:RU	RU:BL	Ri:LL	BL:FL	PA:
Payne, Scott	:BL	PA:DA	RU:Ri	Ri:LL	DA:RU	LL:PA	FL:	Wang, Emily	:FL	LL:PA	DA:BL	BL:Ri	PA:DA	Ri:LL	RU:
Pehl, Curtis	:FL	RU:BL	DA:Ri	Ri:PA	BL:DA	PA:RU	LL:	Wang, Rui	:RU	BL:LL	DA:FL	FL:Ri	LL:DA	Ri:BL	PA:
Perez, Daniel	:PA	DA:RU	FL:LL	LL:Ri	RU:FL	Ri:DA	BL:	Wang, Sidney	:RU	LL:DA	BL:FL	FL:Ri	DA:BL	Ri:LL	PA:
Peterson, William	:PA	Ri:RU	BL:DA	DA:FL	RU:BL	FL:Ri	LL:	Wang, Xiaobo	:DA	PA:FL	Ri:RU	RU:BL	FL:Ri	BL:PA	LL:
Phillips, Bradley	:PA	DA:LL	BL:RU	RU:Ri	LL:BL	Ri:DA	FL:	Wei, Ellen	:Ri	BL:FL	LL:RU	RU:PA	FL:LL	PA:BL	DA:
Pinney, Nicholas	:BL	RU:Ri	FL:PA	PA:LL	Ri:FL	LL:RU	DA:	Wenz, Gabriel	:PA	FL:Ri	LL:RU	RU:BL	Ri:LL	BL:FL	DA:
Pruett, Michael	:LL	PA:BL	Ri:DA	DA:RU	BL:Ri	RU:PA	FL:	West, Bridget	:RU	PA:LL	BL:DA	DA:Ri	LL:BL	Ri:PA	FL:
Quan, Sara	:BL	Ri:LL	FL:DA	DA:PA	LL:FL	PA:Ri	RU:	West, Jacob	:Ri	BL:PA	FL:RU	RU:DA	PA:FL	DA:BL	LL:
Rahmlow, David	:Ri	BL:RU	DA:LL	LL:FL	RU:DA	FL:BL	PA:	White, Ryan	:Ri	PA:DA	LL:FL	FL:RU	DA:LL	RU:PA	BL:
Raub, Timothy	:DA	PA:FL	BL:LL	LL:Ri	FL:BL	Ri:PA	RU:	Wilcke, Sam	:LL	BL:RU	PA:Ri	Ri:DA	RU:PA	DA:BL	FL:
Reynolds, Bradley	:RU	Ri:FL	LL:PA	PA:DA	FL:LL	DA:Ri	BL:	Williams, John	:LL	RU:Ri	BL:DA	DA:PA	Ri:BL	PA:RU	FL:
Richter, Walter	:Ri	BL:PA	DA:RU	RU:FL	PA:DA	FL:BL	LL:	Wong, Jason	:LL	PA:DA	FL:RU	RU:BL	DA:FL	BL:PA	Ri:
Robison, Richard	:BL	RU:FL	Ri:PA	PA:DA	FL:Ri	DA:RU	LL:	Wong, Merrett	:FL	BL:LL	PA:Ri	Ri:DA	LL:PA	DA:BL	RU:
Rodriguez, Erik	:FL	BL:LL	Ri:RU	RU:PA	LL:Ri	PA:BL	DA:	Wright, Andrew	:RU	BL:LL	DA:Ri	Ri:FL	LL:DA	FL:BL	PA:
Romero, Alan	:BL	LL:PA	RU:FL	FL:DA	PA:RU	DA:LL	Ri:	Wright, Tiago	:LL	PA:DA	Ri:FL	FL:BL	DA:Ri	BL:PA	RU:
Rorie, Jamal	:BL	DA:Ri	PA:RU	RU:LL	Ri:PA	LL:DA	FL:	Wurman, Gilead	:LL	DA:BL	PA:Ri	Ri:FL	BL:PA	FL:DA	RU:
Russo, Michael	:DA	RU:Ri	LL:BL	BL:FL	Ri:LL	FL:RU	PA:	Xu, Eric	:LL	DA:BL	Ri:FL	FL:RU	BL:Ri	RU:DA	PA:
Rutherglen, Christopher	:Ri	PA:BL	DA:FL	FL:RU	BL:DA	RU:PA	LL:	Yang, Wei Wei	:PA	FL:LL	BL:DA	DA:RU	LL:BL	RU:FL	Ri:
Rutledge, Robb	:RU	FL:LL	BL:DA	DA:PA	LL:BL	PA:FL	Ri:	Yates, Randall	:LL	RU:FL	DA:Ri	Ri:PA	FL:DA	PA:RU	BL:
Ruvinskaya, Yuliya	:Ri	FL:LL	DA:PA	PA:BL	LL:DA	BL:FL	RU:	Yeager, Samuel	:FL	PA:LL	BL:RU	RU:DA	LL:BL	DA:PA	Ri:
Rybka, Gray	:DA	FL:RU	PA:BL	BL:LL	RU:PA	LL:FL	Ri:	Yeung, Ernest	:PA	LL:BL	Ri:FL	FL:RU	BL:Ri	RU:LL	DA:
Sagen, Eric	:LL	Ri:BL	PA:DA	DA:FL	BL:PA	FL:Ri	RU:	Yildirim, Muhammed	:Ri	DA:BL	PA:FL	FL:LL	BL:PA	LL:DA	RU:
Schuman, Todd	:DA	Ri:BL	LL:PA	PA:FL	BL:LL	FL:Ri	RU:	Yohe, Jessica	:BL	FL:LL	RU:PA	PA:DA	LL:RU	DA:FL	Ri:
Senchy, Nathaniel	:FL	Ri:DA	BL:PA	PA:LL	DA:BL	LL:Ri	RU:	Young, William	:PA	LL:RU	Ri:BL	BL:DA	RU:Ri	DA:LL	FL:
Shafee, Rebecca	:FL	PA:DA	Ri:BL	BL:LL	DA:Ri	LL:PA	RU:	Yu, Jingyi	:RU	Ri:LL	FL:DA	DA:PA	LL:FL	PA:Ri	BL:
Shannon, Derek	:LL	RU:BL	DA:Ri	Ri:FL	BL:DA	FL:RU	PA:	Zasada, Jacob	:RU	PA:DA	FL:BL	BL:Ri	DA:FL	Ri:PA	LL:
Shulman, Michael	:Ri	LL:FL	PA:BL	BL:DA	FL:PA	DA:LL	RU:	Zhang, Pei	:FL	Ri:DA	LL:PA	PA:BL	DA:LL	BL:Ri	RU:
Sieg, Eric	:LL	FL:BL	RU:Ri	Ri:DA	BL:RU	DA:FL	PA:								
Simons, Aaron	:PA	BL:DA	LL:RU	RU:FL	DA:LL	FL:BL	Ri:								
Smith, Curtis	:Ri	BL:DA	PA:LL	LL:RU	DA:PA	RU:BL	FL:								
Smith, Meghan	:RU	Ri:FL	DA:PA	PA:LL	FL:DA	LL:Ri	BL:								

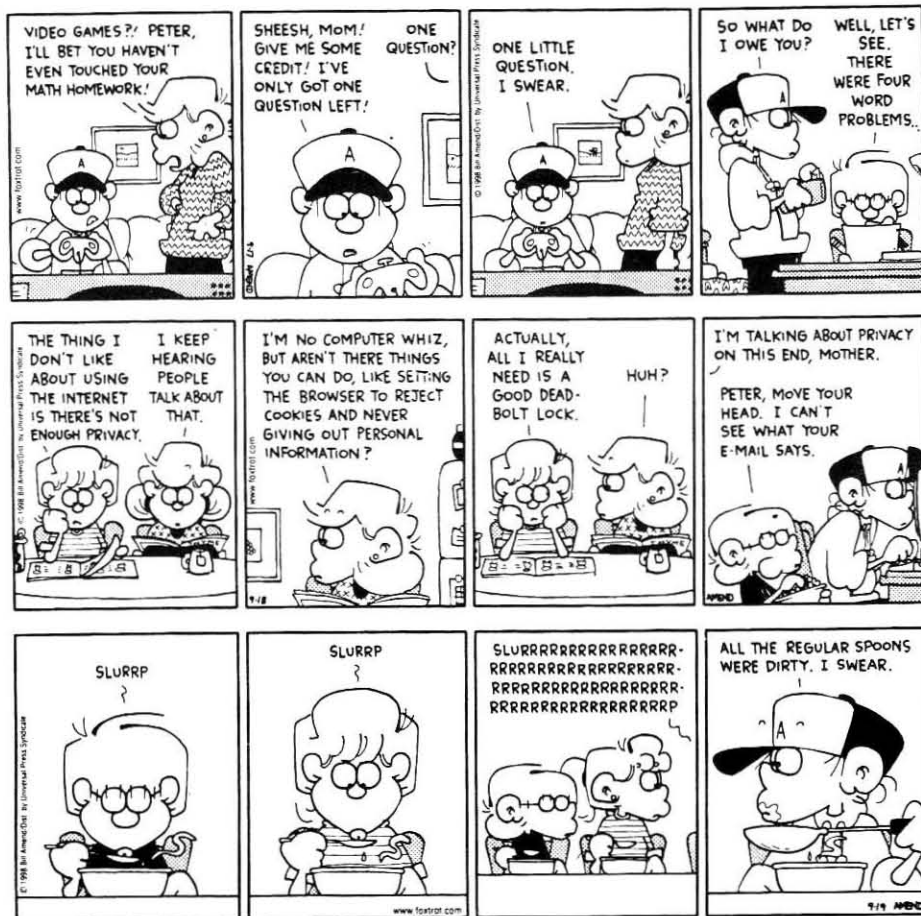
Please Contact Jaideep Singh or Tanya Tickel (see IHC contact information on previous page) if there are any problems with the rotations schedule.



For more information, contact Delores Bing [dbing@caltech.edu](mailto:dbing@caltech.edu)  
[www.cco.caltech.edu/~musicpgm/chamber.html](http://www.cco.caltech.edu/~musicpgm/chamber.html)



by Bill Amend



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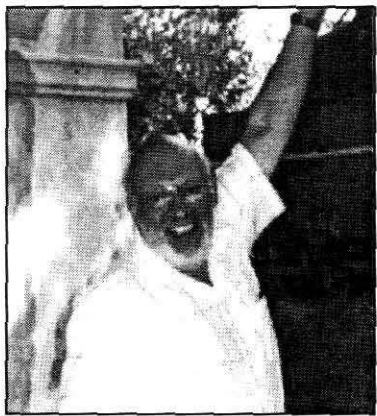
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## Dean's Corner

### Noblesse oblige

by Jean-Paul Revel

Noblesse oblige... The powerful must behave responsibly.

I write this before we all go to Camp on Catalina, but you will not see it till we come back, sunburned, listened out, tired of nights of carousing and too much open air, lucky not to have been bitten by bees, glad to come back to the Haute Cuisine of the Houses or of Avery, ready to tackle Caltech for good, starting on Monday.

I don't know how many of you have had the time to follow national news. For me they have been most distressing. At least they were when I sent this in, last Monday. You see, I voted for Clinton twice. I felt that here was a person who wanted to work on reducing the social inequalities and injustices in our country. I wanted to see a better system of medical insurance. I wanted to see us become blind to the sexual preferences of people everywhere, including

the armed forces. I believed in doing something about our economy even though I was vaguely disturbed by the motto "The Economy, Stupid!", because of the unnecessary, if catchy, description of his opponent as stupid. One might disagree about priorities, but that does not make one's interlocutor, stupid. But that's all in the past.

If not many of the dreams have been achieved at least the economy has done reasonably well, although one would want to see its fruits be more evenly distributed, and the stock market has been pretty chaotic in the last few weeks (probably not a result of any moves by Clinton). What I am distressed by and what seems to distress many others in the country also, is that the most powerful person in the USA is behaving in ways that suggests he is above the law and accepted norms. It has been said that man (in the zoological sense) is the only creature who can blush and is the only one

who needs to. Could the President reveal himself as an extraterrestrial, not a blush-prone earthling?

I'll come a little later to what I have to say about the president's choices in his personal life. But I am distressed at the lying, worse yet at the insistence that a lie is not a lie. I am startled at the pretense that only intercourse in the missionary position, or as specified by a lawyer, is a sexual act. I doubt that Bill would tolerate Chelsea's boy friend to use similar semantics on him.

It is true that the nitpicking approach has been used by many over the years. The writers of the Talmud have been ridiculed for their convoluted thoughts and hair splitting, and so have the Jesuits. We have all seen feats of legal opinion, which by narrowing definitions arrive at rather unintuitive conclusions. We are human, we have needs, and we have impulses that we are not always proud of afterwards.

I have read that on the average 60% of men's thoughts have to do with sex, somewhat less, but still a large proportion for women. It is also true that in the

civilization in which we have been born or at least in which we live, it has generally been found best to bridle these impulses. Going counter this tradition leads us to hide, to dissimulate, to lie, and so open the door to general distrust.

Now one can argue that this is so only because of our puritanical and hypocritical approaches. Perhaps, but until these are taken care of, we cannot escape their influence. There needs to be a single standard applicable to all. Applicable to the drill sergeant and to the commander in chief. To the high school teacher and the traditional role model of so many children.

I am quite serious when I suggest that what is lacking here is the sense of responsibility which is embodied in what we at Caltech call the Honor System. It applies to all spheres of our lives, not just scholastic enterprise. The scoffers and cynics who claim it is applicable only to the narrow confines of Caltech and not to the world at large are wrong. It is important that we carry with us at all times the basic feeling of behaving honorably towards all, so as not to take advantage of others in our community.

The other problem with the President's choice is the disparity between him and Monica. He

has lived and seen and experienced many things. She is young and has not been exposed to the same gamut of feelings, sensations and situations, and still has to learn much about life and its pitfalls.

It is important to recognize that there are differences between different people's power. That intrinsically the President has an advantage over the Intern, or even the ex-Intern. That there cannot really be consensual relations between someone who has intrinsic power due to their position, and those at the other end of the spectrum. This applies not just to sexual matters but in many other ways. An impressionable person may pick up poor study habits, destructive drinking mores, repulsive customs in dress and in manners.

Noblesse oblige! How easy for a house president or a student waiter to impose their will, scare into submission an incoming Frosh. How easy for an upper classman to glom a Frosh. I'll even say how easy for a Dean...but that slope is very slippery... so I'll stop here, though I am sure you get my drift. A bientot!

*Jean Paul Revel*

### JAZZ BAND SWING BAND CONCERT BAND

Want to join?  
Informal auditions

Sunday, Sept. 27  
1:00-6:00

Monday, Sept. 28  
4:00-6:00  
8:00-10:00

Student Activities Center  
Room 16  
sign-up sheets posted on the door

Questions?  
Check our web pages at  
[www.cco.caltech.edu/~musicpgm/instrumental.html](http://www.cco.caltech.edu/~musicpgm/instrumental.html)  
or contact  
Bill Bing [wbibing@caltech.edu](mailto:wbibing@caltech.edu) 626.791.5376

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Caltech Student Activity Center, Room 13  
Refreshments will be provided.

Find out what we do at <http://www.exponent.com>  
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We will be conducting on campus interviews on October 9, 1998. For consideration, please sign up at the Career Development Center from September 21 to October 6, 1998.



# Intercollegiate Scoreboard

9/14:	Soccer	Caltech	1	PCC	6
9/15:	Soccer	Caltech	2	LACC	9
9/17:	Volleyball	Caltech	3	Southwestern	0
	Volleyball	Caltech	0	Menlo	3
9/18:	Volleyball	Caltech	3	American Indian	0
9/19:	Cross Country	Men	3rd	Place Westmont	Tournament
	Volleyball	Caltech	0	Life Bible	3

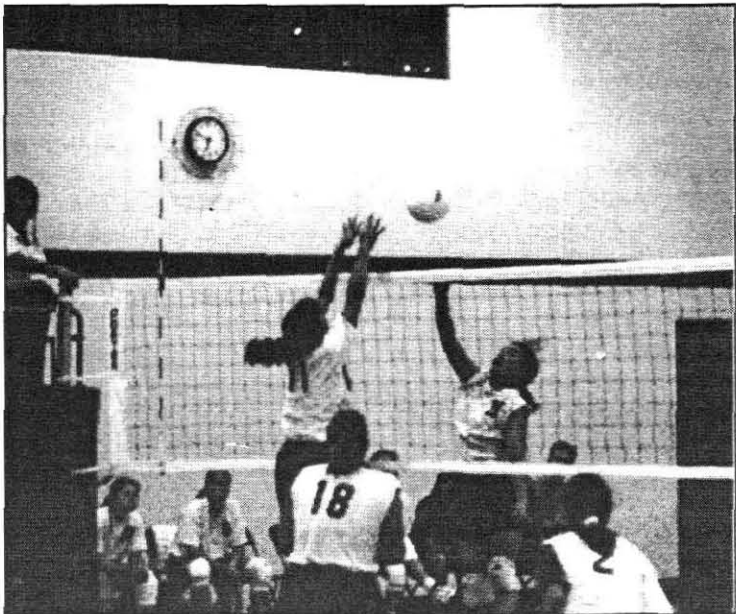


PHOTO BY ERIN DILL

Jennifer Fong hits the ball over an opposing blocker.



PHOTO BY ERIN DILL

Kanwar Kahlon makes a strong tackle to challenge for the ball.

## Upcoming Matches

9/25:	Soccer vs. Christian Heritage	4:00PM
	Volleyball vs. Redlands	7:30PM
9/26:	Cross Country at Riverside	8:30AM
	Waterpolo vs. Alumni	11:00AM
9/28:	Volleyball vs LACC	7:30PM
10/1:	Volleyball vs Occidental	7:30PM

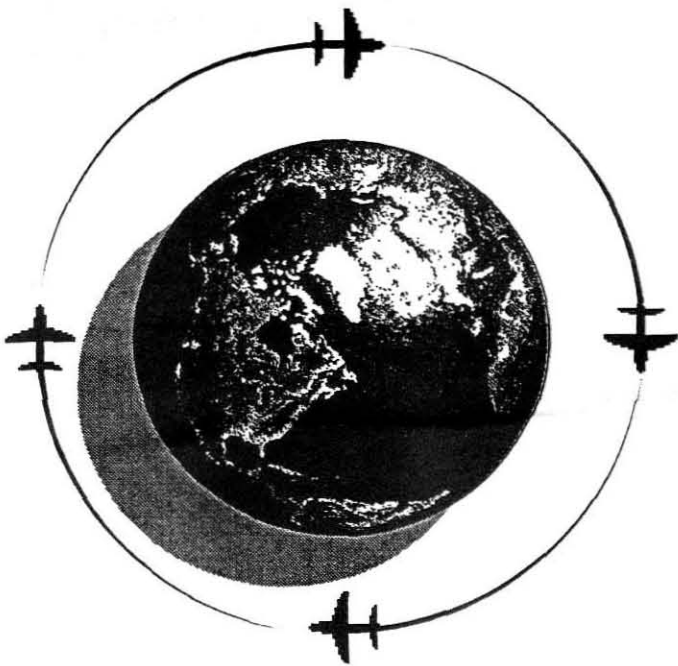
Matches at Caltech unless otherwise noted.

# THE BOSTON CONSULTING GROUP

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**WEDNESDAY**  
**October 7, 1998**  
**Athenaeum (Faculty Club)**  
**4:00-6:00pm**



- AMSTERDAM  
ATLANTA  
AUCKLAND  
BANGKOK  
BOSTON  
BRUSSELS
- BUDAPEST  
BUENOS AIRES  
CHICAGO  
DALLAS  
DÜSSELDORF
- FRANKFURT  
HAMBURG  
HELSINKI  
HONG KONG  
JAKARTA
- KUALA LUMPUR  
LISBON  
LONDON  
LOS ANGELES  
MADRID
- MELBOURNE  
MILAN  
MONTERREY  
MOSCOW  
MUMBAI
- MUNICH  
NEW YORK  
OSLO  
PARIS  
SAN FRANCISCO
- SEOUL  
SHANGHAI  
SINGAPORE  
STOCKHOLM  
SYDNEY
- TOKYO  
TORONTO  
WARSAW  
WASHINGTON, D.C.  
ZÜRICH



## Announcements

**Caltech Guitar Classes** for the Fall quarter will meet on Tuesdays, starting October 6 in Room 1 of the Student Activities Center (SAC) as follows:

Beginning Guitar Class 4:30 - 5:30 PM Intermediate Guitar Class 3:00 - 4:00 PM Advanced Guitar Class 5:30 - 6:30 PM Classes feature a classical technique which can be used in many forms of guitar. Classical, flamenco and lighter pieces are explored including a jazz/folk chord system in the Beginning Class. Classes are free to Caltech students and other members of the CIT Community (space permitting). Undergrads can receive 3 units of credit if desired. Private instruction can also be arranged. The instructor, Classical Guitarist Darryl Denning, has an international background in teaching, performing and recording. For further information email Denning at [ddenning@caltech](mailto:ddenning@caltech) or telephone (323) 465-0881.

**The Gay/Lesbian/Bisexual Discussion Group** 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? We invite you to the Gay/Lesbian/Bisexual Discussion group, which 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

**GREEN CARD LOTTERY BEGINS IN OCTOBER** The instructions for the 2000 Diversity Immigrant Visa Lottery have been announced. The dates for this lottery are October 1 through October 31, 1999. Nationals of China (mainland and Taiwan, except Hong Kong S.A.R.), India, the Philippines, South Korea, Vietnam, United Kingdom (except Northern Ireland) and its dependent territories, Poland, Colombia, Dominican Republic, El Salvador, Haiti, Jamaica, Mexico and Canada are not eligible for the program.

To pick up a copy of the procedures on how to apply for this Lottery, please stop by the International Students Programs office (Lloyd House, Olive Walk) if you are an international student, or the Faculty and Postdoctoral Scholars Office (Parsons-Gates, 010) if you are an international postdoc, professor, researcher, or staff member.

## Events

**NMON FORD-LIVENE**, baritone, Dabney Lounge, 332 S. Michigan Ave., Pasadena (south of Del Mar Boulevard). 3:30 p.m. The program for this Lagerstrom chamber music concert will feature works by Ravel, Denza, Barber, Rachmaninoff, Borodin, and Debussy. Admission: free. Call toll-free 1 (888) 2CALTECH or (626) 395-4652. Persons with disabilities: (626) 395-4688 (voice) or (626) 395-3700 (TDD).

In celebration of Latino Heritage Month, the City of Los Angeles presents "Latinos in Hollywood," a special photographic exhibition of over 30 works at the Skirball Cultural Center, September 15 through October 18, 1998. For general information, call (310) 440-4500

The Los Angeles Philharmonic is offering \$10.00 student rush tickets for the Philharmonic's 1998/1999 winter season. Current full-time students may

purchase one ticket per I.D. at the Box Office two hours prior to the performance. These specially priced tickets are valid for all Philharmonic sponsored events except benefit concerts, Night out at the Music Center, and Symphonies For Youth. For current program information or a free season schedule, please call (323) 850-2000.

The **World Acappellafest** will be held Saturday, October 17th, 1998 at the John Anson Ford Amphitheatre in East-Hollywood. There will be both an afternoon and an evening concert. For more information and tickets 877-ACA-PELA.

The **Pasadena Junior Chamber of Commerce** will host a "Membership Mixer" on September 29 from 6pm to 9pm at the Abiento Restaurant in Pasadena. All incoming members will receive a discount on membership dues. California Assemblyman Jack Scott will be attending. For more information, contact Tom McEntee at 791-9019

## Scholarships and Fellowships

**Rhodes, Marshall & Fulbright.** The deadline for submitting applications for the Rhodes, Marshall, and Fulbright is October 1. Turn materials into the Fellowships Advising Office in SAC 25. Be sure to have official copies of your transcript and reference letters submitted to us by Oct. 1. (FAR)

**Watson.** There will be an information meeting on the Watson at which the current director of the program, Noreen Tuross, will speak. We encourage seniors and juniors to attend this meeting. Note that only seniors can apply this year. However, we cannot guarantee that the director will be on campus to speak next fall, so take advantage of this opportunity to get information now if you are a junior. Friday, October 2 at 12 noon in the Winnett Club Room. We will be serving a nice buffet luncheon. Please RSVP to [fellowships@cco.caltech.edu](mailto:fellowships@cco.caltech.edu) by October 28. Give us your name, your board contract number if you are on board, and state if you are a junior or senior. If you have special food needs (we will have a veggie item) please call Karen Johnson at ext. 2150. Note that the Watson deadline is Monday, October 12 at 12 noon. You can read essays of former winners in the Fellowships Advising Office. Contact our office if you have questions. (FAR)

**NSF.** Applications for the NSF are available in Fellowships Advising or on the Web at <http://www.fastlane.nsf.gov>. Click on the GRFP icon. The application submission deadline is November 5. U.S. citizenship or permanent residency required. (FAR)

**Hertz Fellowship.** Applications for the Hertz are only available on the Web at <http://www.hertzfndn.org>. The application submission deadline is October 23. Applicants must have a 3.75 GPA and U.S. citizenship or permanent residency is required. (FAR)

**Attention Senior Women and Minority Seniors.** All female and minority seniors seeking to pursue doctoral degrees in either astronomy, chemistry, computer science, geology, materials science, math, or physics and related fields should apply for the National Physical Sciences Consortium Graduate Fellowships in the Physical Sciences. Applications are available at <http://www.npsc.org>. The application

deadline is November 5. Applicants must be U.S. citizens with a minimum 3.0 GPA. (FAR)

**Fellowships for Grad Study in the Sciences Information Meeting.** There will be a pizza lunch meeting to discuss the fellowships listed above and the Churchill Scholarship for one year of grad study at Cambridge University, England on Thursday, October 8 at 12 noon Winnett Lounge. Please RSVP to [fellowships@cco.caltech.edu](mailto:fellowships@cco.caltech.edu) by Tuesday, Oct. 6. Call Fellowships Advising at ext. 2150 if you have questions. Please note that the director is available to review your fellowship applications and essays by appointment. (FAR)

**\*NSEP Scholarships for 1999-2000\*** Applications for National Security Education Program (NSEP) undergraduate scholarships are currently available for study abroad in summer 1999, fall 1999, and spring 2000. Scholarships are available to U.S. citizens enrolled at two- and four-year institutions who wish to study abroad in critical world areas in Africa, Asia, Eastern and Central Europe, Latin and

South America, and the Middle East. Scholarships are not available for study in Western Europe, Canada, Australia, and New Zealand. Sophomores and Juniors majoring in science and engineering may apply to study for a summer. This summer, Walt Ogburn '99 studied Russian language in culture in St. Petersburg under an NSEP Fellowship. During the summer of 1998, Jeanne Wilson '98, who is now on a Watson Fellowship, studied Turkish language and culture in Istanbul.

The maximum scholarship is \$8,000 per semester and \$16,000 per academic year. **The campus application deadline for the 1999-2000 academic year is January 25, 1999.** Turn all materials into the Fellowships Advising Office, Room 25 of the SAC. All applicants must undergo and endorsement interview with Lauren Stolper, Director of Fellowships Advising Applications will be available in Fellowships Advising by mid-October. Additional information on preferred geographic regions, languages, and fields of study and application procedures can be found at <http://www.iie.org/nsep> (FAR)

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@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@tech.caltech.edu](mailto:mints@tech.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.

## Mints

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 1998-99 SEASON  
Caltech Men's Glee Club  
Caltech Chamber Singers\*

DR. DONALD CALDWELL, CONDUCTOR

Pinkham Christmas Cantata  
Sussex Carols and Lullabies  
for Marimba, Guitar and Harp  
Britten Rejoice in the Lamb  
A Program of Spirituals, Spring Festivals  
Holiday Entertainments\*  
13th Annual All Mozart Concert\*  
Musical Theatre Cabaret\*

## REHEARSAL TIMES:

Monday 7:30-9:30  
Wednesday 5-6 (w/ Women's Glee Club)  
Tuesday 5-6:30\*

## SIGNUP TIMES:

Sunday 9/27 2-5 SAC 3  
Monday 9/28 1-4 SAC 3  
OR First Rehearsal 9/28 5 pm Beckman Aud.

Men's GC - ALL Welcome to Join - NO EXPERIENCE NECESSARY  
Chamber Singers (students only) - Audition required  
Further info: [dgc@cco](mailto:dgc@cco); [www.cco.caltech.edu/~musicpgm/dgc/mgc.html](http://www.cco.caltech.edu/~musicpgm/dgc/mgc.html)

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