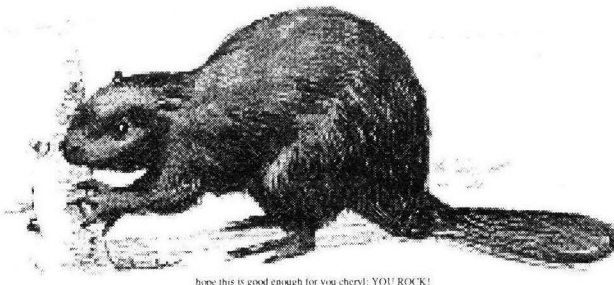


## OPEN MEETING:

To discuss BoC  
Bylaw Amendments  
Sunday 10 PM & Monday 8 PM  
In SAC 33



CSPA & Cheerleaders present:

*But I'm a Cheerleader*  
Tonight, @ 9 PM on the  
Olive Walk



# The California Tech

VOLUME CII, NUMBER 29

PASADENA, CALIFORNIA

JUNE 1, 2001

## CALTECH ENTREPRENEURS IN THE MAKING

BY IRAM PARVEEN BILAL

Posters reading "Caltech Start-ups and Networking 101" were posted all over campus for most of this week to mark the title of the event sponsored by the Entrepreneurial Club (e-club) at Avery Library on May 30, 2001.

It was an event geared towards business-oriented grooming of entrepreneurs in the practical world. The two speakers who addressed an audience full of Caltech undergraduates and graduates were Yfat Reiss, a lawyer at KPMG who rolled into entrepreneurship just recently and now has a startup omni-media company named SharpMan Media, and Gil Elbaz, a Caltech graduate ('91 E&AS) from Lloyd who is founder and CIO of a startup company named AppliedSemantics which does ontology-based text recognition.

SharpMan Media is a company which develops products that help to guide people into the business world. The topics even cover details like how to enter a room, start a conversation, introduce oneself, use time efficiently, make sure that someone will contact one, and so forth. Reiss talked about all these techniques and also about her experiences of entering the world of business.

The second speaker, Gil Elbaz, connected more with the audience in that he is a graduate of Caltech and hence gave first hand information of the challenges faced by a science graduate in a business community. He also talked about the ways to transform and adapt oneself to the best efficiency in a business environment.

The speeches were followed by an informal session of questions and answers. The event was immensely appreciated by the people who attended it because there were many potential entrepreneurs in the audience who wanted to know about the problems and situations one gets into when one steps into entrepreneurship and networking. Amit Kenjale, the president of the club, said, "This event laid down the foundation of future

## Gupta, Sturgeon win election

BY ISAAC SEE

### Results for Senior Class Co-President Elections:

Results from the senior co-presidents election on Tuesday are in. The winner of the five pairs of candidates who ran was Tory Sturgeon and Dinkar Gupta. (Recall that the current resolution eliminated the junior class officers.)

Thanks to the Donut team, for the first time online voting was available for this election. A total of 113 people voted: 37 from paper ballots in the houses and 76 with the online system.

NO received 7 first place votes, Kuo/Collins received 8, Hunyadi/Harris 15, Valdivia/Karhson 17, Stick/Lamanna 21, and Sturgeon/Gupta 33. There were also 4 valid first place write-in votes. The error was 2. A number of ballots were disregarded because they were improperly cast (see ASCIT Bylaws, article VIII).

In accordance with the Bylaws, votes were redistributed, from NO, then from write-in candidates, then from Kuo/Collins. At this point we had a tie in last place between Hunyadi/Harris and Valdivia/Karhson. We redistributed votes for Hunyadi/Harris and then from Valdivia/Karhson; in both cases Gupta/Sturgeon had an absolute majority of remaining votes, so they were declared the winner.

### Numerical data for election:

Round	1	2	3	4 (tie in last place)
NO	7			
Write-in	4	5		
Hunyadi/Harris	15	15	16	17
Kuo/Collins	8	8	8	
Stick/Lamanna	21	22	23	25
Sturgeon/Gupta	33	34	35	37
Valdivia/Karhson	17	17	17	17

### Redistributing from Hunyadi/Harris:

Round	5	6
Stick/Lamanna	30	36
Sturgeon/Gupta	41	45
Valdivia/Karhson	22	

### Redistributing from Valdivia/Karhson:

Round	5'	6'
Hunyadi/Harris	20	
Stick/Lamanna	29	36
Sturgeon/Gupta	38	45

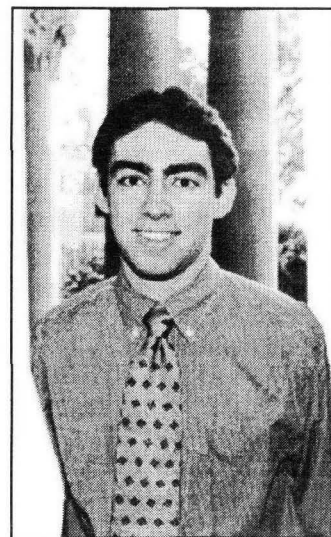
## Award winners announced



The Green, Froehlich, and Haagen-Smit Awards were presented on May 24, 2001 at a luncheon hosted by the Deans in The Athenaeum. Benson Muite, senior in Engineering and Applied Science (ME) and Economics received the George W. Green Prize. The Green Prize is awarded to an undergraduate student in any class for original research, an original paper or essay, or other evidence of creative scholarship beyond the normal requirements of specific courses.



The Jack E. Froehlich Memorial Award is for outstanding juniors in the top 5% of the class. Elizabeth Hong, junior in Biology and Thomas Snyder, junior in Chemistry were selected this year. Aaron Robison, junior in Biology won the Arie J. Haagen-Smit Memorial Award. The Haagen-Smit Award is given to a chemist or biologist who has shown academic promise and has made recognized contributions to Caltech.



The McKinney Committee of the Caltech Literature Faculty is pleased to announce the winners in the 2001 contest for excellence in writing. In the category of prose fiction, first prize has been won by Mike Russo. In the category of non-fiction essay, first prize is awarded to Gao Hang. No prizes were awarded in poetry.

Honorable mention is given to Brian Palmer, Stephanie Kovalchik, Robb Rutledge, Daniel Kim, and Suzana Sburlan.

### Inside the Tech

#### The Usual

Editorial .....	2
ASCIT .....	3
Foxtrot & Dilbert .....	6
Crippling Depression ....	7
The Dean's Corner .....	7

#### Features

Random Access .....	2
Bylaw Changes .....	4-5
Ticket Stub .....	5



## FEATURE

## Random Access...

by: Vikram Dendi  
randomaccess@geekguru.com

*The gentle reader will never, never know what a consummate ass he can become until he goes abroad. I speak now, of course, in the supposition that the gentle reader has not been abroad, and therefore is not already a consummate ass. If the case be otherwise, I beg his pardon and extend to him the cordial hand of fellowship and call him brother.* - Mark Twain, *Innocents Abroad*

Travel is going to be a part of most of your schedules within the next few months. There will be those rushing off home, and those going off to internships. Vacation is such a great time, and the value of vacation is no where more appreciated than at Tech.

That is why this edition of Random Access will talk about the ins and outs of finding the best fares for your trips. Most of these fares are online. There are times when you could get a great deal from your travel agent, but that is mostly if you know someone well. Always compare the prices that travel agents quote with the prices online in order to get the best deal.

Let's start surfing then:

Qixo:

The first and foremost site that one needs to check is Qixo. Qixo compares fares from twenty major travel sites (like Travelocity, airline sites etc) and gives you the lowest price. You are given the option to reserve the tick-

ets at that price right away (Qixo adds a small fee for the service). You could also try to find that price independently once you know that it exists. For example, I searched for an airline ticket leaving June 26 and returning June 30 from LAX to Kansas City (MCI). Qixo got me fares starting from \$290 on Vanguard Airlines.

Qixo - [www.qixo.com](http://www.qixo.com)  
Orbitz - [www.orbitz.com](http://www.orbitz.com)  
ITA Software - [beta.itasoftware.com](http://beta.itasoftware.com)  
Expedia - [www.expedia.com](http://www.expedia.com)  
Cheap Tickets - [www.cheaptickets.com](http://www.cheaptickets.com)  
Hotwire - [www.hotwire.com](http://www.hotwire.com)  
Priceline - [www.priceline.com](http://www.priceline.com)  
Student Advantage - [www.studentadvantage.com](http://www.studentadvantage.com)

Orbitz:

Open a new browser window and surf to Orbitz. Orbitz is another site that pulls prices from over 450 different airlines. The site has had its share of controversy because it's backed by major airlines. I searched for the same travel details on Orbitz. I got fares starting from \$290. There seem to be some problems with reserving Southwest fares through Orbitz (Southwest isn't one of the backers for Orbitz). The lowest fare on non-southwest fares was \$290 on Vanguard, and that fare was available for booking. (beta.itasoftware.com is also another site if Orbitz is down, Orbitz uses the same engine).

Expedia, CheapTickets etc:

There are some online travel sites that Qixo does not cover. They list them on their site. Cheaptickets and Expedia are the most useful among these sites. Cheaptickets came up with a \$290 price for my travel bid.

Expedia has a unique feature in which it matches your request to a special bargain price for which you need to have some flexibility in departure times. For example, Expedia came up with \$223 for which all you will know before you pay is that you will get a ticket between 6 AM and 10 PM on one of the major airlines. The exact airline and timings are given to you after you purchase the ticket. The next best price on Expedia was \$290 on Vanguard.

Hotwire:

Hotwire takes the concept of flexibility for discounts to a further level. Here you enter your departure dates, airports and flexibility options (how many

stops can there be etc). Hotwire matches you to a fare based on these options. You have half hour to decide on buying the ticket at that price.

Once you buy it, you receive the full details of your itinerary. My suggestion is to go with the most minimal flexibility in your first searches and then check to see how much lower your price gets as you add more. For the above request I got a price quote of \$231 on Hotwire. A second search with more flexibility gave me a \$214

quote for Orange County airport to Kansas City.

Some other useful tips:

Priceline

<http://www.sidestep.com> Download the software, this is easy to use. It will give you some help getting the best fares for airlines, car rentals, etc.

Go to the newsdesk at: <http://www.bestfares.com>. Apparently this company has been in business over 15 years. They have a membership fee of \$60 per year, per family.

<http://www.moments-notice.com>

<http://www.travelzoo.com>

<http://www.frommers.com> Sign up the daily newsletter from this site.

The king of the discount airfare sites is still popular among travelers in spite of the beating the shares took on the stock market. Opinions of users range from ultimate adulation to sheer exasperation. Priceline has a name your own price business model, where you trade in flexibility for savings. Hotwire and Expedia did borrow from the Priceline model, but Priceline claims to beat them in savings because it can guarantee a sale to the airline. The difference in the models is that you agree to buy a ticket if Priceline finds one at the price you quote. I quoted \$150 for the above dates and destinations on Priceline. I had to specify the airports I was willing to fly from, and the days. I also had to enter my credit card information so that Priceline can buy the ticket if it found one. Within 15 minutes of my request I got a reply... that I got my price!

Make sure that your earlier requests are much lower than what you could find at any of the other online fare sites. Also make sure you make your first request least flexible so that you can resubmit your request if it fails by adding more flexibility. Priceline also offers bonus money for doing some cross-subsidy offers (Apply for Discover Card and we add 50\$ to your request). Be careful when ac-

cepting such offers. Student Advantage members get 25\$ added to their Priceline request. Remember, most of these special fares involve special restrictions. You will probably not be able to cancel/reschedule etc. without considerable fees. Make sure you read the terms of the offer before you accept it.

Feel free to email the columnist with questions, comments or suggestions.

Vikram R Dendi

Technology Consultant and Columnist. The California Tech.

[vikram@caltech.edu](mailto:vikram@caltech.edu)

There are other sites online that range from useful-sometimes to useful-but-shady. There are user groups that list out for what bid people received their Priceline fares. Be aware of the legal implications should you decide to use information from such sites.

Hope you get a great deal on your air fare. If you save a lot on your airfare and want to thank me, do send me a postcard from wherever you go! Happy hunting!

## THE CALIFORNIA TECH

Caltech 40-58, Pasadena, CA 91125  
editorial desk: (626) 395-6153  
advertising desk: (626) 395-6154  
editorial email: [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu)  
advertising email: [adv@tech.caltech.edu](mailto:adv@tech.caltech.edu)  
ISSN 0008-1582

VOLUME CII, NUMBER 29  
JUNE 1, 2001

## EXECUTIVE EDITORS

Neda Afsarmanesh  
Janet Qi Zhou

## BUSINESS MANAGER

Tasha Vanesian

## ADVERTISING MANAGER

Dana Sadava

COMICS EDITOR  
Kenneth Kuo

CONTRIBUTORS  
Jason Mitchell  
Kenneth Kuo

COPY EDITORS  
Elisabeth Adams  
Sam Yeager

TECHNOLOGY CONSULTANT  
Vikram Dendi

STAFF WRITERS  
William Fung  
Robert Li

SYSTEM ADMINISTRATOR  
Justin Kao

FEATURE WRITERS  
Justin Ho  
Jason Melzner  
Niky Morgan

CIRCULATION STAFF  
Roger O'Brien  
Christoph Baranec  
Rik Williams

MINTS  
Jonathan Foster

PHOTOGRAPHERS  
Elisabeth Adams  
Jonathan Foster

ADVISER  
Hall Daily

## DEADLINES

Advertising: 5 p.m. Monday  
Announcements (Mints): midnight Wednesday  
Letters to the Editor: midnight Wednesday  
Unsolicited Articles: midnight Wednesday

Published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors and advertisers.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The preferred submission method is to e-mail [tech@ugcs.caltech.edu](mailto:tech@ugcs.caltech.edu) with the body of the article appearing in plain text. Alternatively, you may submit copy (preferably on Macintosh 3.5 disk) to the Tech mailbox outside SAC room 40. The editors reserve the right to edit and abridge all submissions for literacy, expediency, etc. All articles are the property of the authors. Authors and columnists retain all intellectual property rights.

Advertising should be submitted as camera-ready art, but the Tech can also do simple typesetting and arrangement. All advertising inquiries should be directed to the business manager. For email, please use [business@tech.caltech.edu](mailto:business@tech.caltech.edu). Do not send ad inquiries to the editors.

For subscription information, please send mail to "Subscriptions" or call (626) 395-6154.

Printed by News-Type Service, Glendale.  
We live for the One. We die for the One.

## Pop culture

BY JIALAN WANG

Britney Spears may not be a good singer. She might not have any musical talent whatsoever. She might not even be literate, but her music (if you consider it that) and her persona probably influences people's behavior more than the President does. Britney, however, is only the latest vehicle for the phenomenon that is pop music, and while her stardom will probably soon fade into darkness, the spirit of pop will continue through others already primed to take her place. Now, there are many reasons to scoff at pop music - good reasons in fact - but no matter how worthless you think it is, the fact remains that millions of people listen to it for hours a day. Is this the result of mass idiocy or brainwashing, or is there something deeper here that we are all too willing to disregard?

The problem, I think, is our cultural narrowmindedness about what good music is. We seem to have the mindset that music should be original and deep, should stir our hearts and engage our minds. Not only should good music aim to elicit these responses, but it is the goal of all music to do these things, and the quality of music is measured by its

success or failure in satisfying these criteria. It is clear to me, however, that this simply is not the case.

In my view, there are many different levels of enjoying music each satisfying different human needs. While music is impossible to really categorize, I have identified three general forms of musical appreciation. The most basic form is sensual gratification. Music that elicits this response may not be intellectually stimulating, but it is a pleasure to hear and moves your booty. Next is emotional appreciation in which music strikes a chord with our feelings, evokes nostalgia, and touches our hearts.

Finally, music can stimulate us intellectually (think Bach). Although these "levels" of musical enjoyment may be viewed as a hierarchy, moving from the base and trivial to the lofty and exalted, I think of them as simply different dimensions of musical enjoyment, none of which is better or more important than the others. Moreover, these are not discrete categories. This classification is just something I made up to help in discussion and by no means limits or pigeonholes the music itself.

In any case, pop music usually

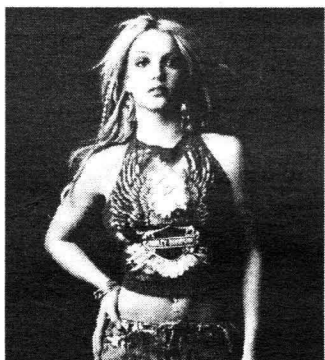
evokes the first two responses and rarely, if ever, the last. Although we would often like to think otherwise, we are all visceral, emotional animals usually much more so than we are intellectual animals. Of course, we also just want to have a little fun. Despite consisting mostly of unoriginal, grammatically incorrect lyrics sung by people with limited vocal ability, pop music is very good

at making people feel good. It makes us want to dance, to sing along, and makes us happier. Popular music also has a knack for touching our hearts. There are so many songs out there that really aren't that poetic or original, but

that are somehow deeply moving nonetheless. Oftentimes, a song captures a moment in our lives so well that every subsequent time we hear it we recall that time, that place, that lost love and last goodbye. For the most part, pop music explores our everyday heartbreaks and loves in the same common and ineloquent language that we ourselves use, making it more accessible and sometimes more poignant than highly artful music. It does not take a college education or musical training to enjoy this type of music; it is

universal and powerful.

Enjoying music intellectually, however, is an entirely different experience. In fact, this sort of appreciation is more akin to appreciating an elegant mathematical proof than groovin' to Janet Jackson. Appreciation on this level is not just on the order of finding a pithy bit of poetry in an Aerosmith song. It requires serious study and understanding of the deep structure of music itself, and I have found it most often in what is traditionally considered "serious" music - i.e. classical music, largely. I myself did not come to realize this level of appreciation before completing ten years of study in the piano. I certainly thought that I fully appreciated music before, but there came a point when music suddenly transcended everyday profundity and became this sublime creature that is heady, surprising, and infinitely rich in meaning. I would certainly consider it the most intense of the three types of musical experience. However, although music that provokes this response is certainly much harder to create and takes a lot more effort to learn to appreciate, it is in no sense intrinsically better than any other type of music. If we just let go of our smug intellectuality and open our ears, we might discover that all music, even pop music, has a lot of beauty to bring to our lives.





## ASCIT

A.S.C.I.T.  
Minutes

MAY 28, 2001

Present: BoD - Ayeh, Nick, and Joe Fassler. Guests: Laura Brogoch, ex-BoC Chairwoman with a proposal for By-Laws amendments.

## Guests

Laura scripted a series of clarifications and amendments to the present BoC By-laws, to be voted on by the Caltech undergraduate community before the term ends. The proposed changes were brought in front of the BoD before placed on the ballot to double-check wording and develop pro-and-con arguments that will come out in the Tech this week. Because three members of the BoD were absent, the amendments were only introduced and no decisions were made. One of the more contentious issues in the changes included the addition of a defendant's right to see all relevant physical evidence presented against him/her, and whether that included testimony from witnesses. While the BoC seeks to protect witness testimony, an issue was raised that defendants should also be able to protect themselves from perjured testimony. Decision on the wording of this section was deferred to the subsequent meeting. Laura also presented a method for dealing with a representative who violates the BoC By-Laws. Since the ExComm is charged with interpreting By-Laws, it was seen as the right body to determine if a violation serious enough to warrant a representative's removal from the board had been committed. However, deciding the governing body charged with the power to remove the representative remained questionable, especially as the ExComm is not an elected body and granting this power would overstep the

Houses' right of appointing representatives to the BoC. Again, further discussion was reserved for the subsequent meeting.

## General Meeting

Joe Fassler is leaving a month before his term as BoC Chair ends for the Cambridge exchange. The Executive Committee has been consulted to develop procedures for installing an interim BoC chair. Since they are having meetings more frequently, the ExComm is also requesting \$100 for an anti-starving fund for the year.

The Formal was attended by 262 people, making ASCIT poor. We originally planned for an attendance of 200, but the freshmen appear to be an abnormally social class. ASCIT is crossing its fingers that we'll get some additional funding from the Alumni Association and Student Affairs. While we could dig into the total social budget, some of the other events that we've planned for, such as the beach trip and Rotation Week BBQ, serve a larger population than that going to the Formal. Accordingly, ASCIT is hoping not to have to cut into funding for these events, and making a not-so-subtle plea for extra funds in the Minutes. On another note, approximately half of the attendees paid for the formal through their UID. Ted will be developing a survey soliciting opinions about the event.

Recognizing that people have been reserving the Screening Room for 5-hour blocks to play video games, ASCIT would like it to stop. The resolution concerning the Screening Room has been revised to say that the facility may only be reserved for the viewing of movies, so those with fast fingers and short attention spans be warned. Joe Jewell's revised resolution also stipulates that people who originally reserved the Screening Room and decide at a later time not to use it have the responsibility of changing and deleting Donut reservations. Resolution passes 4-0-1, with one abstaining on the principle that not

all members are present.

A new resolution was written to state explicitly the policy on clubs that pick up funding late. Clubs asking for funding from a term that has passed will be penalized at least 50%. If more than one term has passed or if the term fell in the previous Board's fiscal year, money from the term in question can not be acquired. While we have allocated money for clubs in our budget, the purpose of adding this measure is to encourage clubs to communicate with ASCIT about participation and events regularly. ASCIT would also like to remind newly approved clubs that progress reports must be submitted for the first year following its inception. Voting on the resolution is deferred to correct wording snafus.

Meeting adjourned at 6:39 PM to be followed up by a second look at Laura's proposal for By-Laws changes and additions at 10:00 PM Tuesday night.

Evidently,  
Justin

A.S.C.I.T.  
Minutes

MAY 29, 2001

Present: BoD - Dana. Guest: Laura Brogoch. And now ladies and gentlemen, let's get ready for round 2. Meeting called to order at 10:10 PM.

## Guest and General Meeting

This extra meeting was called to finalize wording of the BoC By-Laws changes and additions that will appear on the ballot for voting by the undergraduate community, hopefully before the end of the term. The exact wording appears elsewhere, in the Pros-and-Cons section. The BoD approved to place each finalized version of an amendment on the ballot unanimously. Among the

changes to the BoC By-Laws that the BoD voted to place on the ballot:

- 1) Adding that students affiliated with more than one house can only vote for one BoC representative;
- 2) Mandating that the BoC is responsible for informing defendants of the identities of voting members on the case;
- 3) Precluding representatives from carrying out investigations of their own unless sanctioned by the BoC Chair;
- 4) Allowing defendants the right to request the dismissal of a member on the case before the first full hearing in the event that the defendant feels that a representative was biased. Circumstances could also arise resulting in removal of a member from the case in subsequent hearings;
- 5) Requiring agreement of both the BoC Chair and Secretary on dismissing a representative before removal;
- 6) Preventing former House Presidents from serving on a case as they are not considered past members of the BoC;
- 7) Allowing anyone asked to attend a preliminary hearing to be accompanied by a current or former BoC member of his/her choice;
- 8) Requiring full and thorough consideration of all aspects of a case prior to calling a vote for conviction or dismissal;
- 9) Requiring that the defendant be shown all physical evidence pertaining to his case and given an opportunity to respond before the BoC votes to convict;
- 10) Requiring 3/4 majority vote of the present Board for any decision except for case dismissal, which will only require simple majority;
- 11) Allowing the BoC to collaborate with the Conduct Review Committee in addition to the Graduate Review Board, the Dean of Students, and the Director of Residence Life; and
- 12) Stipulating that in cases resulting in conviction, the Chair and Secretary must make clear to the defendant the

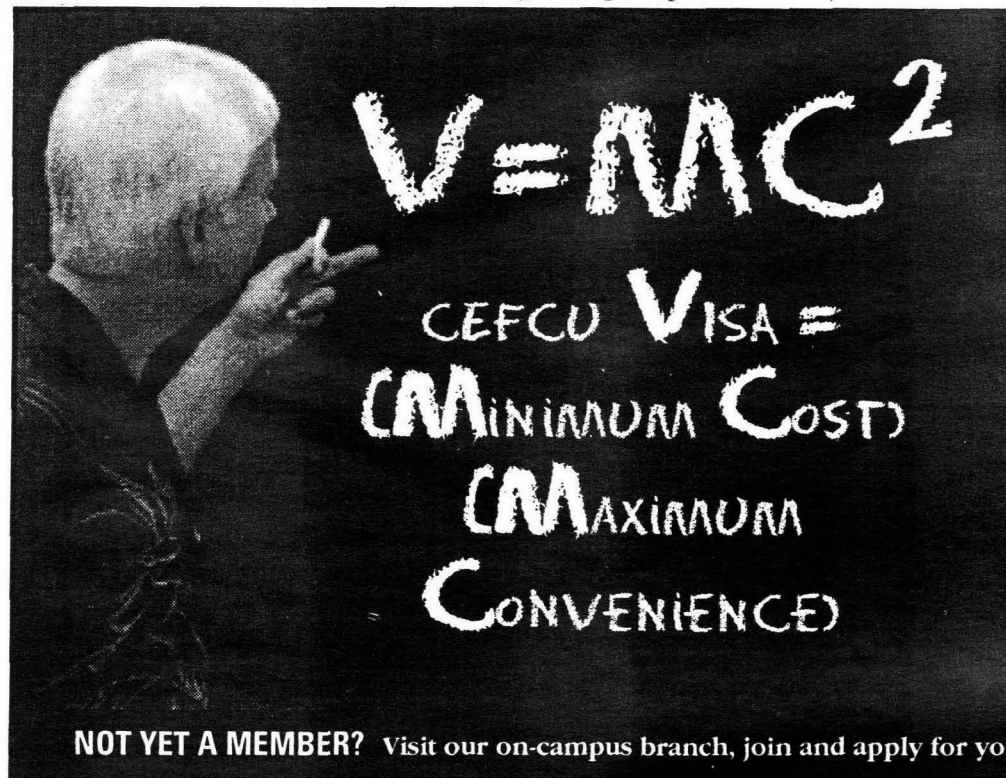
Board's basis for its decisions, including but not limited to the main line of reasoning that led to the con-

viction.

Item 10 on this list was edited from the original version stating that a 3/4 majority was required for dismissal of a case. In the past, deadlocks have been reached numerous times without 3/4 majority votes reached for either dismissal or conviction at first. According to Laura, long deadlocks have often caused representatives to make bad decisions out of frustration. Originally, the proposed change in lieu of this version was to allow dismissal following a 3/4 majority vote that all evidence had been thoroughly considered and a 3/4 majority vote that the board was in deadlock. However, these two votes would not have made dismissal any easier. Accordingly, the proposed change allows for dismissal following a majority vote under the condition that the board has thoroughly considered all evidence. The emergence of new evidence is grounds for the Dean to reopen the case or for a student to repeal.

Recognizing that there is no motivation to follow the BoC By-Laws, a change initially proposed was to grant the Executive Committee the power to initiate a recall election of a BoC representative or to directly remove a representative that it found guilty of a serious violation, under the condition that the complaint was brought before the ExComm. That is, the Excomm would serve as a checks-and-balance for the BoC. Several members of the BoD felt that although the Excomm was charged with the duty of interpreting By-Laws and deciding whether a violation had occurred, granting them this power would give them too much authority. Removal of a representative would not necessarily nullify his/her decisions on the board, but barring representatives would supersede the houses' power to elect representatives. The amendment was a highly contentious issue and it was decided that the formation of disciplinary measures for disobedient BoC representatives would be deferred to a later time.

Meeting adjourned at 11:58 PM. Evidently,  
Justin



**$E=mc^2$**

**CEFCU VISA = (MINIMUM COST) (MAXIMUM CONVENIENCE)**

**NOT YET A MEMBER?** Visit our on-campus branch, join and apply for your low-cost VISA at the same time. CEFCU is an equal opportunity lender.

THE FORMULA FOR  
LOW-COST CREDIT!

We figure, if you're smart enough to be a full-time student at the best school in the country, you're smart enough to carry our low-cost Visa card.

It's a brilliant solution for an infinite number of purposes. And, it's yours for the asking if you're a CEFCU member...18 or older...carry a minimum of 12 units...and have no credit problems. Enjoy credit limits of:

- \$500 for freshmen
- \$600 for sophomores
- \$700 for juniors
- \$800 for seniors
- and \$1,000 for graduate students.

And, relatively speaking, this is one of the most affordable credit cards in the nation!

Consider these factors:

- No annual fee
- A low fixed rate of just 12.95% APR
- A 25-day grace period
- No cash advance fee.

Multiply these advantages by a square deal from your Credit Union (our low rate isn't just a temporary introductory offer) and you've got a card you can count on for light years.

Visit us online at [www.cefcu.org](http://www.cefcu.org) or in person. Or, call (626) 395-6300 for an application and put our theory of financial convenience in your pocket!



1200 E. California Blvd. (Lower floor of the Keith Spalding Building) • CIT 15-6 • 395-6300



# BoC AMENDMENTS

## Bylaw Amendments and Reasons/Comments for Changes:

### Changes motioned by Laura Brogoch; and approved by BoC

Append to Section 2, Subsection (b):

Students affiliated with more than one House may only vote in one House.

#### PRO

The purpose of this bylaw amendment is to make sure that every undergrad has one vote for House reps on the Board. In the already existing subsection, students who are not members of any house are limited to voting in a single house of their choice. It seems to follow that those who have multiple house memberships not be allowed to vote in more than one House BoC rep election. If a multiply-affiliated student votes in two elections, he is casting two votes for House BoC reps, while every one else gets a single vote. Basically, one person should equal one vote. These are not house offices—these are representatives for a campus-wide body, and you should not be allowed to vote in two different houses and thus influence two seats on the board.

#### CON

If someone is a member of more than one house they should have all the privileges of membership in each house. They should not have to choose which election they care more about when voting for BoC rep. They should be allowed to vote in every election that they are allowed to by the houses, and not be governed by the BoC Bylaws.

Insert new Section 3, Subsection (b) and reletter subsequent:

During the preliminary investigation, all potential defendants will be informed of any current or former Board members or House presidents who may hear the case.

#### EXPLANATION

In order for defendants to have time to think about whether they want to dismiss anyone from hearing the case, they must be told in advance of the full Board hearing who will potentially hear it. This is already the current practice of the Board, but since it is not a part of the bylaws, it is not a guaranteed right for defendants.

Insert new Section 3, Subsection (f) and reletter subsequent subsections:

No Board representative shall conduct any investigation outside a hearing except at the instruction of the Chairman.

#### EXPLANATION

The voting Board members question defendants and witnesses and examine evidence. The preliminary investigators (the Chair and Secretary or one of those plus a rep who doesn't get to vote) are in charge of gathering all necessary evidence and any other information needed by the voting Board members to reach a decision. Since they are gathering the case, they do no vote on it. This allows them to gather information in an unbiased way. If voting members need further information before they can make a decision, the preliminary investigators will get it. No investigation should ever be conducted by members of the board that are not prelim investigators in a case. If a member of the board feels that an investigation is not being conducted appropriately, they should not hesitate to bring their concerns up with the chair or the board as a whole.

Insert "before the start of the full Board hearing" to Section 3, Subsection (i) as follows:

If a defendant feels that particular Board members are unable to render an unbiased judgment, a request may be made to the Chairman or the Dean before the start of the full Board hearing that those members not sit on the case.

#### PRO

This amendment does not say that requests can't be made during the hearing. It also does not say that the chair or the rest of the board can't ask an obviously biased rep to step off the case.

The purpose of this amendment is to set out the normal procedural operation of the board, that requests for dismissals be made between prelims and the full hearing. Once a full hearing has begun, it is difficult to remove a rep and begin the case again. This is not a step that is ever lightly undertaken. If there is any possible issue with a rep, even if that rep is not initially dismissed, it should be brought up before the case begins to show that the request for dismissal comes from a pre-existing bias and not only the actions of a rep during the case.

#### CON

Sometimes bias is not apparent before the start of the full Board hearing. It is also possible that the defendant doesn't realize who will be on the case until they arrive at the hearing, and then it would be too late to dismiss anyone.

Append to Section 3, Subsection (i):

Final discretion for dismissal of voting Board members lies with the Chairman and Secretary.

#### PRO

When there is a conflict as to who should be dismissed from a case, there is currently no way to resolve it. If a rep refuses to dismiss himself from a case, nothing can currently be done about it. If he is biased against the defendant, the defendant can be convinced to ask that he be dismissed, but if he is biased in favor of the defendant, he will hear the case.

Sometimes defendants request that reps be removed for spurious reasons, such as removing the only rep with knowledge of a particular subject, or a rep who is asking most of the questions during a case. The chair must evaluate defendant requests, but sometimes deny them if they don't constitute bias.

#### CON

This is very ambiguous. I could see the chair and secretary having the authority to remove an obviously biased rep from a case. However, this clause gives the chair and secretary power to deny a defendant's request or the removal of a rep - bad idea. This section is atrocious as it stands.

Append to Section 3, Subsection (j):

Accordingly, past House Presidents (unless current or former Board members) may not serve on a case.

#### EXPLANATION

While this is pretty much implied by the preceeding sentence, who is allowed to sit on cases should be made absolutely clear and this amendment does that. Former house presidents are never mentioned in the current bylaw, implying that they have no basis to sit on cases. But, in some places where 'Board member' is used, it is interpreted to mean 'current or former Board member'. Because of this, it is important to clarify and remove ambiguity.

Insert "current or former" into Section 3, Subsection (k) as follows:

(k) Any person asked to attend a preliminary investigation may be

accompanied by any current or former Board member of his choice.

#### EXPLANATION

When called to a prelim, any undergrad can bring a BoC member as a silent witness. This BoC member explains the procedures beforehand, and after-

wards can answer any questions about what happened. Allowing former as well as current BoC members to be silent witnesses at prelims increases the pool of people that can be brought to prelims, and makes it easier for defendants to find someone they trust to go with them. It is already the practice of the Board that if a past rep shows up at prelims, it's okay, but since it's not written anywhere it's not guaranteed to continue and also no who is called to prelims knows that they can.

Add new Section 3, Subsection (n) and reletter subsequent subsections:

Before the Board votes to convict, the defendant will be shown all physical evidence pertaining to his case and given a reasonable opportunity to respond.

#### EXPLANATION

This bylaw amendment will give a defendant the right to see the evidence against him and also to defend himself against it. Currently, there is no guarantee that either of these things will happen. Being convicted of an Honor System violation is very serious and anyone faced with the possibility of it should have as much information as possible with which to formulate a defense.

The following two together:

Before a vote for conviction or dismissal, all aspects of the case must be thoroughly considered. AND change Subsection (n) to read:

A three-fourths (3/4) vote of the voting members of the Board present shall be necessary for any decision of the Board except case dismissal, which shall require a simple majority.

#### PRO

The first section is a clarification of current practice. Of course it is implied that before a case is resolved, it will be thoroughly considered. But this is not necessarily clear, and will give defendants more of a chance to bring up other aspects of a case that the Board might not have known about or might have dismissed to early.

There is no provision on how it is determined when all aspects are thoroughly considered, which means that a single rep can't hold up proceedings if he disagrees. This just says that before a conviction or dismissal, there is a general consensus that the Board is ready to make a decision and they are ready to defend it in case of angry professors or an appeal made to the Deans.

This first statement is proposed to make sure that in the case of dismissal, a majority vote will not be called while al-

most half the board is still looking at the evidence and unconvinced that dismissal is warranted. As always, it is up to the chair to guide discussions, suggesting points that haven't yet been considered, and pointing out gaps in the Board's reasoning, but after raising new issues allowing the Board to decide when they are ready to make a decision.

The second statement changes the number of votes required for dismissal from 3/4 to 1/2 majority. The way the bylaw currently stands, a 3/4 majority is required for any decision of the Board. Thus if there is a 50-50 split between conviction and dismissal, the board is deadlocked. No one wants to change sides, yet there is no provision for what to do in this case. This leads to hours of sitting together waiting for enough people deciding they want to go home to switch sides and get the necessary 3/4 majority. This leads to bad decisions.

The 3/4 majority for conviction makes sure that there are at most one (in the case of 7 reps on a case) or two (in the case of 8 or 9 reps) dissenting opinions. So basically, the Board must be thoroughly convinced of guilt before a conviction.

In the case of a dismissal, it is not only those cases where the board is convinced that the defendant is innocent that get dismissed. There are also the cases of insufficient evidence and the case of knowing that some cheating occurred but having no idea of which defendant cheated. Basically, dismissal covers everything except conviction, so it is a much broader category that should be easier to arrive at.

If a majority of the Board believes that a case should be dismissed (a majority being 4/7, 5/8, or 5/9) after going through all evidence and testimony, then it is almost impossible that the remaining minority will sway enough people to lead to a conviction. Instead, after listening to all arguments if that majority still holds then the case is not strong enough to get the 3/4 to convict. At this point, with the

Finals got U

**Going ?**

The Student Phone Program & Caltech Alumni Fund offer you...

**4**

(food for thought)

**FREE study Snacks**

**June 4 - 7**

Locations and Times Vary  
Watch for Signs!



## AMENDMENTS &amp; MORE

## Zewail, Kulkarni elected to Royal Society

## PRESS RELEASE

Joining the distinguished company of science greats Isaac Newton, Charles Darwin, Albert Einstein, and Stephen Hawking, two California Institute of Technology professors, Ahmed Zewail and Shrinivas Kulkarni, have been elected to the Royal Society, one of the oldest and most prestigious international scientific societies.

Nobel Prize winner Ahmed Zewail, the Linus Pauling Professor of Chemical Physics and

professor of physics at Caltech, was elected as a foreign member of the Royal Society for his pioneering development of a laser-based new field which, as cited by the Nobel Prize, caused a revolution in chemistry and adjacent sciences.

Specifically, the Royal Society cites Zewail's work in the development of "laser techniques and their applications to ultrafast dynamics of molecular systems. His seminal contributions include femtochemistry, nonlinear spectroscopy, and molecular physics."

Zewail has conducted groundbreaking work in viewing and studying chemical reactions at the atomic level as they occur. Because reactions can take place in a millionth of a billionth of a second, Zewail's research has, with the use of advanced lasers, made it possible to observe, study, and predict this motion for the first time, thus allowing scientists to probe nature at its fundamental level. His work has had a significant impact on chemistry and related sciences worldwide. Born and raised in Egypt, and now a U.S. citizen, Zewail joined Caltech in 1976.

Shrinivas Kulkarni, the John D. and Catherine T. MacArthur Professor of Astronomy and Planetary Science, has also been elected to the Royal Society as a fellow. His revolutionary work in astrophysics was cited for "contributing centrally to fundamental astronomical discoveries that span a broad range of disciplines and include the fastest radio pulsar known, with a spin period of 1.5 ms; the first example of a brown dwarf star; white dwarf companions to binary pulsars; radio counterparts to soft gamma-ray repeating

sources, and cosmological gamma-ray bursts."

Kulkarni's discoveries and his recent work on the nature of gamma-ray bursts and their use in understanding the origins of the universe have had a major impact on astrophysics today. Born in India, and now a permanent U.S. resident, Kulkarni joined the Caltech faculty in 1985. David Baltimore, president of Caltech and a Nobel laureate himself, said, "Having two such distinguished professors to receive this award is, indeed, an honor for Caltech, and is a testament to the caliber of faculty and scientists we have here at Caltech. Both of these eminent scholars have contributed to the advancement of science, and are most deserving of this illustrious honor."

The Royal Society was established in England in 1660, and is the world's oldest scientific academy in continuous existence. The Society's objectives are to recognize excellence in science; to support leading-edge scientific research and its applications; to stimulate international interaction; and to promote education and the public's understanding of science.

COMPLETE AND AMENDED  
ARTICLE VII—THE BOARD OF CONTROL

## SECTION 2—MEMBERSHIP.

(b) A candidate may declare his candidacy in any House, but all students shall vote in the House with which they are affiliated at the time of the election. Students not affiliated with any House may register to vote in the House of their choice. Students not registered nor affiliated with a House at the time of the election may not vote. Students affiliated with more than one House may only vote in one House.

## SECTION 3—RULES OF PROCEDURE.

(b) During the preliminary investigation, all potential defendants will be informed of any current or former Board members or House presidents who may hear the case.

(f) No Board representative shall conduct any investigation outside a hearing except at the instruction of the Chairman.

(i) If a defendant feels that particular Board members are unable to render an unbiased judgment, a request may be made to the Chairman or the Dean before the start of the full Board hearing that those members not sit on the case. Final discretion for dismissal of voting Board members lies with the Chairman and Secretary.

(j) If made necessary by subsections (g), (h), or (i) in order to maintain a full quorum of the Board, the Board shall reserve the right to ask any past members of the Board of Control to serve on a case, contingent on a three-fourths (3/4) vote of the remaining voting Board members. In the case that full quorum is not met using all eligible current and past members, the Board reserves the right to ask the House Presidents to serve on the case. Each House President must be approved by a three-fourths (3/4) vote of the remaining Board members. All those serving on a case are bound to

secrecy as stated in subsection (s). House Presidents who have served on a case are not considered former members of the Board of Control. Accordingly, past House Presidents (unless current or former Board members) may not serve on a case.

(k) Any person asked to attend a preliminary investigation may be accompanied by any current or former Board member of his choice.

(m) Before the Board votes to convict, the defendant will be shown all physical evidence pertaining to his case and given a reasonable opportunity to respond.

(n) Before a vote for conviction or dismissal, all aspects of the case must be thoroughly considered.

(n) A three-fourths (3/4) vote of the voting members of the Board present shall be necessary for a decision of the Board except case dismissal, which shall require a simple majority.

(r) The Board of Control has the right to collaborate with the Graduate Review Board, the Dean of Students, and the Director of Residence Life and the Conduct Review Committee.

(s) In cases resulting in conviction, the Chair and Secretary must make clear to the defendant the Board's basis for its decisions, including but not limited to the main line of reasoning that led to conviction.

bylaw change, it would be dismissed. Currently, the Board would argue until a 3/4 majority is reached one way or the other, or reach a compromise solution such as convicting for a lesser offense. Neither of these practices leads to sound convictions. Knowing the system isn't perfect, it is far better to let a few honor code violations go by without conviction than convict people who did nothing wrong.

## CON

"all aspects" is pretty vague - this whole clause seems unnecessary and is the implied job of the Board in the first place. It also could be used by board members or the chair to prevent a majority vote to dismiss or convict by claiming that not "all aspects" have been "thoroughly" considered.

Besides being vague, it prevents anyone on the Board from being able to call a vote whenever they see fit. This first statement is not necessary for the majority vote and the two should not be bundled together.

Change Section 3, Subsection (r) to include the CRC as follows:

(r) The Board of Control has the right to collaborate with the Graduate Review Board, the Dean of Students, the Director of Residence Life, and the Conduct Review Committee.

## EXPLANATION

At the time this bylaw was written, the CRC did not exist, so it was not included. As the CRC begins to cover more and more aspects of Institute disciplinary action, it is important that the Board be able to assist the CRC and the CRC assist the BoC if necessary.

Add new Subsection (s) and reletter subsequent subsections:

In cases resulting in conviction, the Chair and Secretary must make clear to the defendant the Board's basis for its decisions, including but not limited to the main line of reasoning that led to conviction.

## EXPLANATION

Anything that reduces the mystery of the BoC's proceedings, especially for the defendant, is a good thing. This amendment gives the defendant a right to a detailed explanation of conviction, nullification, and protection decisions. The chair as spokesman for the board and secretary as summarizer of board proceedings are specified as providing the full board's opinion. This includes the various opinions of reps. This amendment will give provide an official explanation of the case, but does not prevent individual reps with the defendant from discussing the case after it is closed.

## The Ticket Stub

by Justin Ho

Pearl Harbor (F+)

(An F for the story, a + for the battle)

Upon returning from 'Pearl Harbor' I soaked my brain in about 3 hours of Buffy, The Vampire Slayer episodes to restore my faith in screenplays. In assuming the role of couch potato, it was entirely possible to treat 'Pearl Harbor' simply as a documentary on the extent of human devastation in the cataclysmic event precipitating the United States' entry into World War II, but Mr. Bruckheimer and company evidently had other themes in mind.

The actual bombing of Pearl Harbor as delineated in the film is exquisite in scale and devastation. The movements of Japanese fighter jets

humming over the Hawaiian

terrain like stealthy ants before pillaging the warships in the harbor, making little impression on the early morning activities until the attack, fosters a portentous feeling of dread climaxing with the ships heaving their last groans before disappearing beneath the waves, carrying the enervated bodies of helpless soldiers. But despite its spectacular staging, the film fails to mimic the visceral tension and heroism of 'Saving Private Ryan'. The mass-scale carnage of Pearl Harbor was the result of a surprise attack after all, and the seamen transiently coming to terms with their mortality and indulging the basic instinct for survival are spared the lengthy waiting period aboard the warships making their way to Normandy. The personal battles with fear are superseded by pictures of collapsing metal and torpedo mechanics.

Theater Arts at the California Institute of Technology  
presents

SIX CHARACTERS  
IN SEARCH OF AN AUTHOR

(Sei personaggi in cerca d'autore)

by Luigi Pirandello in a New Adaptation by Robert Brustein

Produced by special arrangement with SAMUEL FRENCH, INC.

Directed by Shirley Marneus

Friday, June 1 & 8, Saturday, June 2 & 9 @ 8 p.m.

Sunday, June 3 & 10 @ 2 p.m.

Ramo Auditorium

\$15 General admission

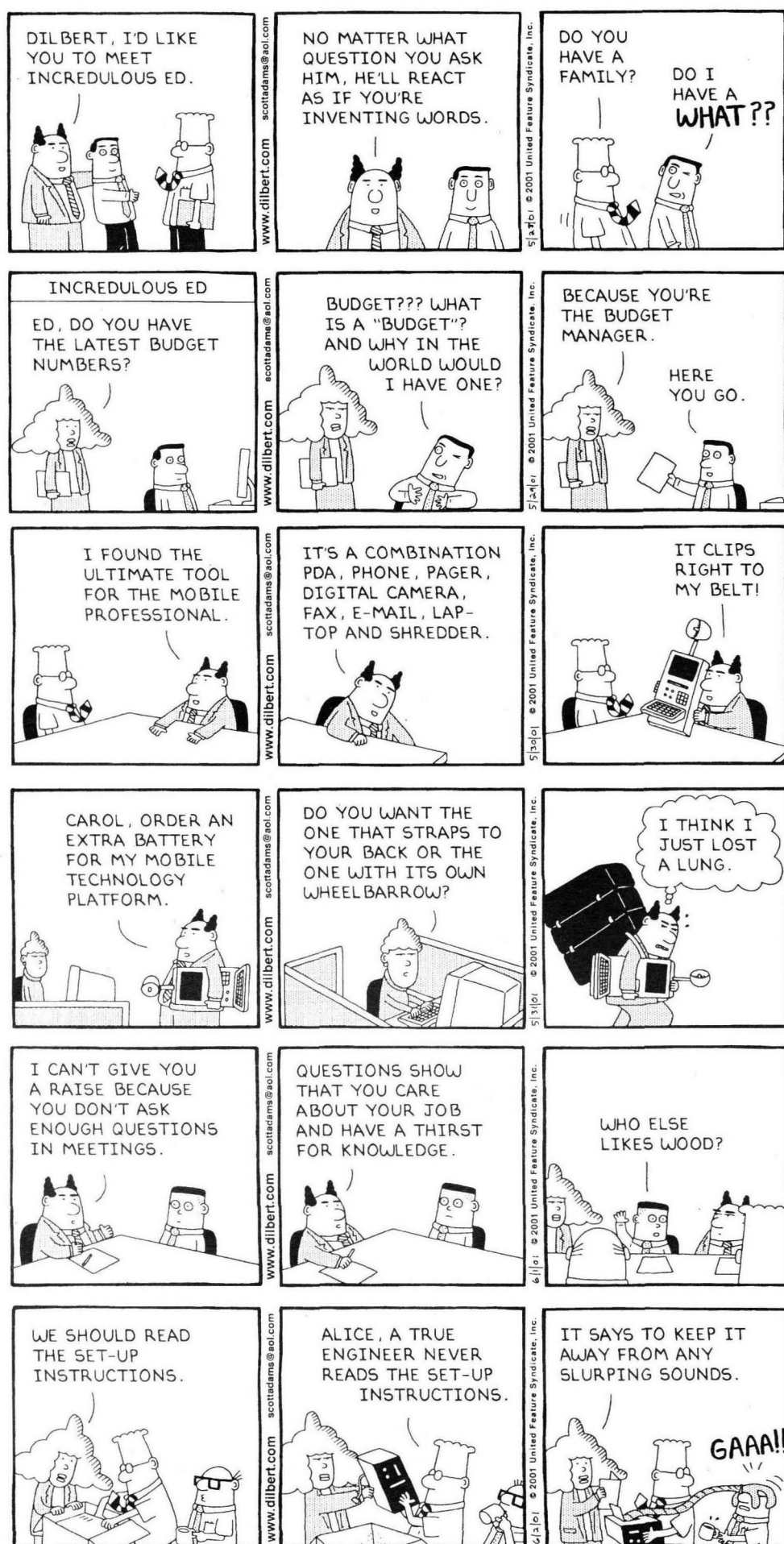
\$10 Students with current ID

\$5 Caltech students

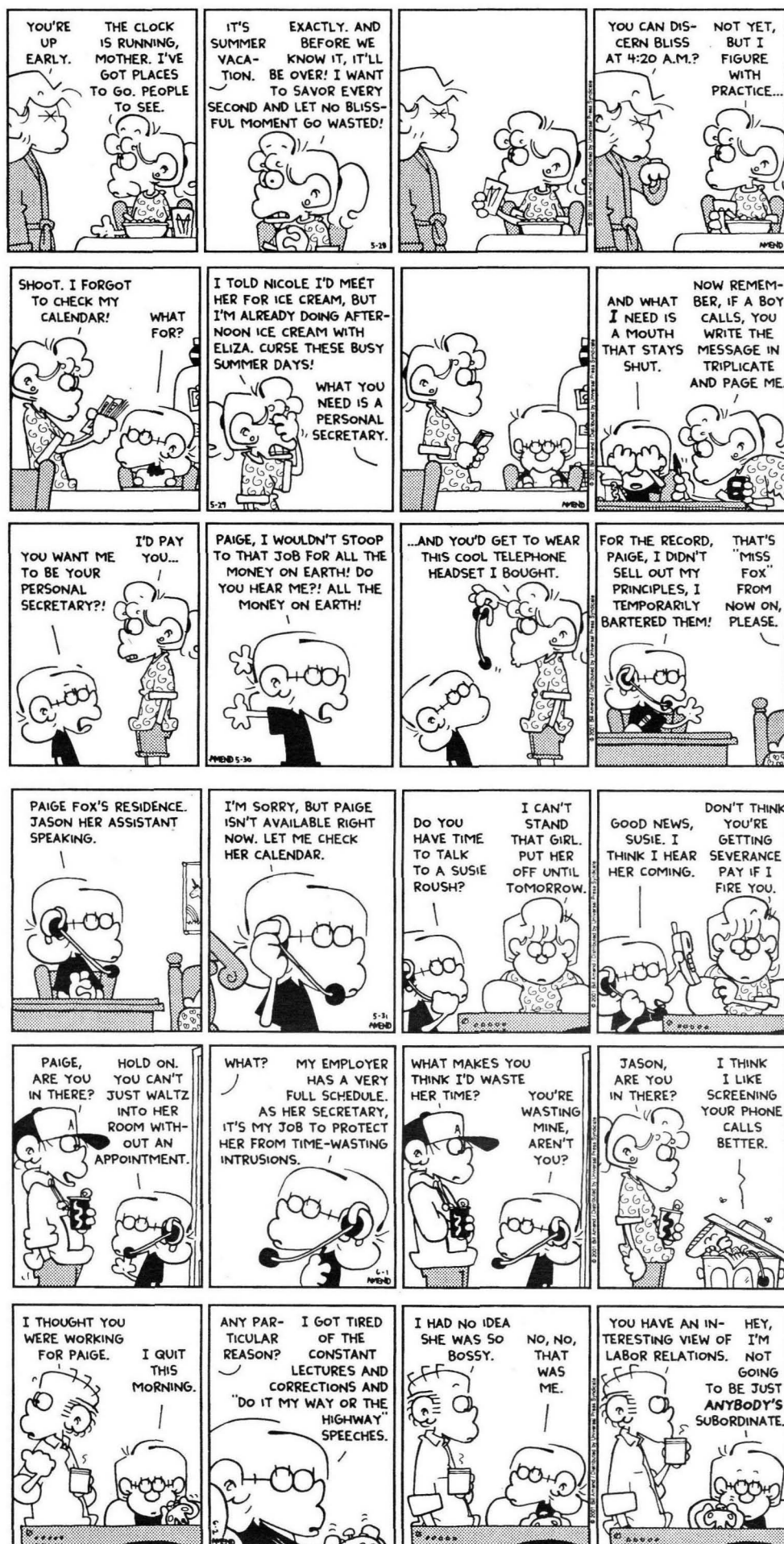


## COMICS

## DILBERT® by Scott Adams



## FoxTrot by Bill Amend



\*\*\*\*\*  
**LAEMMLE THEATRES**  
 Bargain Shows in [ ] Dolby Digital Sound  
**PLAYHOUSE 7**  
 673 E. Colorado Blvd. (626) 844-6500

<b>HIMALAYA (NR)</b>
[11:30] 2:05 4:40 7:15 9:50
<b>MAN WHO CRIED (R)</b>
[11:45] 2:20 4:55 7:30 10:05
<b>BIG EDEN (PG-13)</b>
[11:30] 2:05 4:45 7:25 10:00
<b>THE GOLDEN BOWL (R)</b>
[1:00] 4:00 7:00 9:50
<b>WITH A FRIEND LIKE HARRY (R)</b>
[1:15] 4:05 7:00 9:55
<b>STARTUP.COM (R)</b>
[12:00] 2:35 5:10 7:45 10:10
<b>MEMENTO (R)</b>
[11:30] 2:05 4:40 7:20 10:00

\*\*\*\*\* VISIT OUR WEBSITE: [www.laemmle.com](http://www.laemmle.com) \*\*\*\*\*

**OCEAN CORAL Restaurant**

★★ Award Winner ★★

Mandarin Cuisine & Seafood  
Cocktail Lounge

Lunch Specials \$5<sup>25</sup> 11:30-3 p.m.  
Early Bird Specials \$7<sup>50</sup> 3-7 p.m.  
Classic Dinners 3-10 p.m.

Food To Go Welcome

**OPEN 7 DAYS**  
**Tel: 449-8018**  
 2475 E. Colorado • Pasadena  
 between Sierra Madre Blvd. & Altadena Dr.  
 Free Parking In Rear

Lovely furnished house available to share rent with a female student. Convenient location just off Main Street, Alhambra near shopping district. Full utilities available. Beautiful piano and organ inside, too! \$450/month. Please contact either Daisy at (626) 282-7582 or Connie at (626) 284-3627.

## ENTREPRENEURS:

CONTINUED FROM PAGE 1

practical events that are going to continue through the summer and hopefully through the rest next year."

He also expressed the need to expand the breadth of the club's activities explaining the advantages of leadership, networking and public dealing in today's world. He referred to the future goals of the club which include

arranging activities involving interaction with other business/entrepreneur clubs from local campuses, training, and discussions in leadership skills, interpersonal dealing, and networking.

For further information regarding becoming more involved in the club, or if you would like to get in touch with either of the speakers, you are encouraged to contact [kenjale@its.caltech.edu](mailto:kenjale@its.caltech.edu).

## Venture Capital Analyst

In a small-team environment, this position will be responsible for supporting current and prospective investment decisions by performing research and analysis on early stage technology companies. Primary tasks will include reviewing business plans, conducting market research, technical evaluations and competitive analysis. Ideal candidate will have a technical degree (BS/MS) with 1-2 years work/intern experience in related business field. Interested candidates can email resume to: [jack@missionventures.com](mailto:jack@missionventures.com).

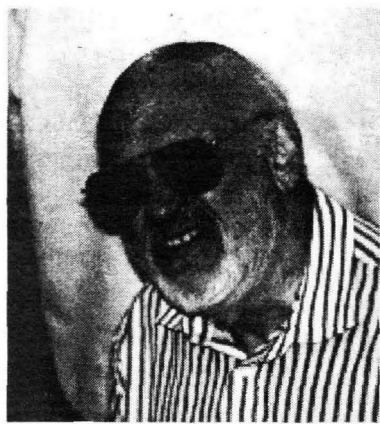


## DEAN

## Dean's Corner

## Eine kleine nacht essen

by Jean-Paul Revel



It has become increasingly difficult to keep to a reasonable diet. I do not mean to say it is impossible to control what one eats, only that it is impossible to control how often one is faced with having to sit down at the table. The role of meals as a means to appease hunger is less important, then being a vehicle for social/professional interactions. Look! I just received an invitation to attend dessert night with the Mosh; thanks!, just what I needed.

I was trying to reduce my exposure to only two meals a day. I thought of skipping breakfast, but found that difficult. My mother always insisted that breakfast was the most important meal of the day, and I always do what mother wanted. Dinner was 12 hrs ago, she used to remind me. So, assuming that I had not gotten up in the middle of the night to raid the refrigerator, break the fast it did, did breakfast. I guess mother would be happy to hear that this meal, which I considered expendable, breakfast, was coming into its own, if only as another occasion for brainstorming, plotting or planning.

Students will often skip breakfast, because they have been up most of the night planning and plotting, doing homework, pen in hand, or keyboard underhand, working out problem sets while snacking on munchies. So, many of them are not hungry at breakfast time even if they are awake. The other meals of the day are less likely to be considered for elimination. Of course a few of us, (the virtuous ones?) choose to go to the Gym instead of having lunch, but mittag essen has long been a favorite time to get together and talk shop. Oh yes, and incidentally also to eat. As to the evening meal, while it has traditionally been a time when kindred groups get together, it threatens to be transformed into a vehicle for social interactions with "outsiders", rather than insiders. You know, instead of plain evening meals, like the traditional Japanese gohan & okazu, banquets and other feasts, luaus, other food decorated get togethers are increasingly being used for professional purposes.

The frequency distribution of socio-professional encounters disguised as meals, shows two peaks during the year at Institutions like ours. One in the Christmas and New Year season, and the other, 6 months later, now, as the school year ends. We are celebrating the quarter of our

students who are about to leave us and start their independent lives. The meals are a way to be together once more before the grand dispersal, an attempt to recapture all the time spent instead on academic stuff and other such details. We, profs and administrators, can only hope that we have given you, the graduates what you were looking for when you came (assuming you knew). You leave us changed of course. (You are changed and so are we).

It is a fascinating thing to watch a new group of students arriving here as youngsters, cocky from their successes in high school, growing over the statutory four years into young people ready to take on the world and to begin to contribute. It is fascinating indeed and somewhat scary also; what if we have not given you what you need? The time spent in college is such a formative part of young people's lives, that one can but worry and wonder. The reassuring thing is that, even if Caltech has not taught you everything (a tall order even with the excellent material we have to work with), we have certainly given you the analytical tools needed to solve problems.

In any case in the rest of your life you will have to deal with new information, new discoveries and insights, that we could not have taught about, as they are still hidden in the future. You have learned a lot. A lot of physics, a lot of mathematics. Computer science, electrical engineering, mechanical engineering, the secrets of chemistry, and the complexities of cosmology. You have also absorbed much history, geology, literature, social science. Some of you have taken economics, some have acquired a smattering of languages, and some grabbed the chance to participate in sports. We have given you a dry, book knowledge of biology and on your own, you have likely gained a wetter version of same. No, no I am not asking for any detail, although some of you seem to feel a need to flaunt it.

Another thing that we have tried to expose you to is the importance of telling the truth, it shall make you free. Here at Tech, truth is part of applying the golden rule as embodied in the honor code. Our special formulation is a promise, to "not take advantage of others in the Caltech community." The fact that we emphasize these rules as a guide to behavior within the Institution does not mean that it is OK to behave otherwise on the outside. It is just as im-

portant in every day life, among hoi polloi as it is here at Caltech, to be truthful and honorable in all that we do. It is obvious professionally that lying for the sake of advancement is likely to backfire. To lie one's way to a position of responsibility that one is not ready for, may hurt others and our selves

too. This is true in our personal affairs, with our friends and lovers, as it is in our relationship with grocers and bankers. I know that there will be temptations along the way. I know that many feel that cheating is a way of life out there, that it will often seem expedient, simpler, more appropriate, less hurtful, may be even more profitable to play loose with the truth. I hope that you will then stop and think back to Caltech, to the time when board of control and conduct review committees were helping to illuminate the path.

Now you are grown-up, those decisions have to come from deep within you, and the consequences are more than nullification and protection. Being able to follow the beacon inside will mean that you have become real adults; never be afraid of the truth, it is the way. Enjoy life's banquet.

A bientot

Jean Paul Revel

Jean-Paul Revel

by Tim Wan, Mike Yeh, Ben Lee

## CRIPPLING DEPRESSION

www.CripplingDepression.com feedback@criplingdepression.com

All characters are purely fictional. Any resemblance to any persons living or dead is coincidental. The views expressed are those of the authors, not those of the newspaper staff or Caltech.

Regarding the subject of last week's Crippling Depression: We realize that Seniors work extremely hard on their stacks, we apologize if the strips seemed like a personal attack on any of their efforts.





# Mints

## Announcements

**The Caltech Student Investment Fund** will continue to distribute funds to Caltech clubs. We are a non-profit group of people learning about the stock market and the art of investment, and having lots of fun along the way. If you would like to apply for a given amount of money for your club, you can download an application form from [www.its.caltech.edu/~siff/clubs.html](http://www.its.caltech.edu/~siff/clubs.html). Funds are limited and the deadline for applications is June 10.

**Work-Study Opportunity at JPL:** Compton Gamma-Ray Observatory Archival Data Analysis for Studying Temporal and Spectral Properties of Gamma-Ray Sources. This is an announcement of opportunity for 1 or 2 undergraduate students in physics or astronomy to participate in a part-time work-study research program to process and analyze archival data obtained by the Burst and Transient Spectroscopy Experiment (BATSE) onboard the NASA Compton Gamma-Ray Observatory. The major scientific objective is to study the properties of gamma-ray emission from cosmic sources including black holes and active galactic nuclei and neutron-star systems. For this research, it would be useful if the student had some experience with programming as well as working with the Interactive Data Language (IDL) package. Employment would be on a part-time work-study basis during the school year and possibly up to 40 hours per week during the summer. Contact information: Dr. James C. Ling, JPL 169-327. Phone: (818)354-2819. E-mail: [james.c.ling@jpl.nasa.gov](mailto:james.c.ling@jpl.nasa.gov)

**Guitar classes at CIT** for the spring quarter will meet on Tuesdays in SAC Room 1, starting on April 3 as follows: Beginning Guitar Class 4:30 PM - 5:30 PM. Intermediate Guitar Class 3:00 PM - 4:00 PM. Advanced Guitar Class 5:30 PM - 6:30 PM. Classical and flamenco repertoires are explored, but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergrads can receive 3 units of credit. The instructor, Darryl Denning, has an international background in performance, teaching and recording (two of his CDs are available in the Bookstore). Mr. Denning can be reached at (323) 465-0881 or by email at: [ddenning@caltech.edu](mailto:ddenning@caltech.edu). The Guitar Home Page is at: [www.music.caltech.edu/guitar.html](http://www.music.caltech.edu/guitar.html)

Caltech Ballroom Dance Club offers: **Free End-of-term Ballroom, Latin, And Swing Party!!** Sat. June 2, Dabney Lounge, Caltech, 8:00-midnight. Free Salsa lesson at 8:00. Intermediate **Argentine Tango**: 7:30 - 9:00pm Mon. June 4, Winnett \$5 for undergrads, \$7 for others. **West Coast Swing** for beginners: 7:30-9:00pm Wed. June 6, Winnett This volunteer-taught class is the last of a five-lesson series - if you missed the previous lessons, still come if you know the basic figure - you can learn the new figures taught this session. Free for Caltech freshmen, \$1 for others. No partner required. Refreshments and a half-hour practice period will follow each class. **Free mini-ballroom dance party** after each Monday lesson; 9:30-11:00pm, Winnett. For more info, contact Megan Knight at [knight@its.caltech.edu](mailto:knight@its.caltech.edu).

The **dance troupe** will be offering **FREE dance classes** Spring quarter. On Thursdays from 9-10:30pm, an introduction to modern dance series will be taught by professional instructor Liz Maxwell. Ms. Maxwell received her BFA and MFA degrees from The Juilliard School and the University of Washington, respectively. She has spent 30 years in modern dance, touring extensively throughout the US and Europe with several distinguished companies. Relocating to LA in 1994, Ms. Maxwell has been on the faculty of CalArts, CSULB, Moorpark, Loyola Marymount, and Scripps teaching dance technique, composition, and specializing in dance history. These classes will begin on April 12 and run through May 31 in the Braun multipurpose room. No prior experience is required, and no special clothing or shoes are needed. Free ballet classes taught by volunteer instructors will begin April 7. Beginning ballet meets from 1-2pm, intermediate ballet meets from 2-3pm, and advanced ballet meets from 3-4pm. For the beginning class, no special shoes are required. For more information, please visit our website at [www.its.caltech.edu/~troupe](http://www.its.caltech.edu/~troupe). To sign up on our mailing list or to reserve a place in the modern class, please send an email to [troupe@caltech.edu](mailto:troupe@caltech.edu).

**Gay/Lesbian/Bisexual Discussion Group:** Looking for a safe and supportive place to discuss issue 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? We invite you to the Gay/Lesbian/Bisexual Discussion Group, which meets on the first and third Tuesdays of each month from 8:15 until 10:15pm 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 are served. If you would like more information, please call ext. 8331

**Community Service Opportunities Abound!** The Caltech Y offers students and staff a variety of ways to participate in community service. Opportunities include working with Habitat for Humanity, Union Station Homeless Shelter, math tutoring (on or off campus), reading tutoring, and working at local hospitals. One-time community service events are planned each term and opportunities for service on a regular basis exist. Undergraduates with federal work-study can receive \$15/hr for their community service work. To be added to the community service interest email list, or for more information about the Community Service Program, please contact Kristin Abbott at [kabbott@caltech.edu](mailto:kabbott@caltech.edu) or call 626/395-3180. Or, stop by the Caltech Y in the Center for Student Services (formerly Keck House) for a complete listing of opportunities.

## Scholarships

The Financial Aid Office has applications and/or information on the following as well as additional undergraduate scholarships. All qualified students are encouraged to apply. Our office is located at 355 S. Holliston, second floor.

Please visit our web site at <http://www.finaid.caltech.edu/news.html> for complete information on the following scholarships:

- \* Measurement Science Conference - (MSC) Year 2002 Scholarship Awards
- \* Scholarships sponsored by SHARE
- \* Windstar Environmental Studies Scholarship Program for 2001
- \* Vermont Student Assistance Corporation
- \* National Institutes of Health Scholarship Program
- \* John Gyles Education Awards

**Summer Work Study:** Information and applications for 2001 Summer Work Study are available in the Financial Aid Office. If you are interested in Summer Work Study, please submit the required application as soon as possible, but no later than June 1, 2001. Your entire financial aid application must be complete by June 1st in order to be considered for Summer Work Study. If awarded, the work study funding will begin with the July 2nd payroll.

## Upcoming Events

**Assemblymember Carol Liu (44th District) is hosting a Town Hall Meeting** on Thursday, June 7th, from 5:30 - 7:00 PM. The meeting will include a Community Energy Forum during which attendees will learn what to expect and how to prepare for this summer's rolling blackouts. Information on energy conservation, energy efficiency, and bill payer assistance programs will be available at the Forum. For answers to questions, contact Liu's district office at 626-577-9944. The meeting will be held in the Community Meeting Room at Robinson Park at 1081 North Fair Oaks Avenue in Pasadena.

**Summer Camping & Hiking Trip (June 21 - 24):** The Caltech Y, International Student Programs & the Alumni Association invite you to join us for a summer camping and hiking trip to the Caltech Centennial Grove, a historic grove of giant sequoia trees located in the Sierra National Forest. No camping or hiking experience is necessary. Sign up today! **WHEN:** Leaving Thursday, June 21 & Returning Sunday, June 24. **WHERE:** Caltech Centennial Grove, Sierra National Forest (located just south of Yosemite National Park). **SIGN UP DEADLINE:** Friday, June 8. **COST:** \$60 per person (includes food & transportation). To sign up or get additional information, please contact: Caltech Y (158-86) / Email: [caltechy@caltech.edu](mailto:caltechy@caltech.edu) / Phone: 395-6163 OR International Student Programs (250-86) / Email: [ois@cco.caltech.edu](mailto:ois@cco.caltech.edu) / Phone: 395-6330

**TACIT (Theater Arts at Caltech)** presents an adaptation of Luigi Pirandello's *Six Characters in Search of an Author* in Ramo Auditorium starting this weekend. This weekend's shows are Friday, Saturday at 8PM and Sunday at 2 PM. The complete list of performances as is follows:

Friday, June 1, June 8 - 8 PM

Saturday, June 2, June 9 - 8 PM

Sunday, June 3, June 10 - 2 PM

Tickets are available call by calling (626) 395-4652 or emailing [events@caltech.edu](mailto:events@caltech.edu). The prices are \$15 for general admission, \$10 for students with current ID, and \$5 for Caltech students. More information can be found at: <http://www.cco.caltech.edu/~tacit/>

### Seminar On Science, Ethics, And Public Policy Lecture:

Dr. Naomi Oreskes Associate Professor of History University of California, San Diego presents: "Science and Security before the Atomic Bomb: The Loyalty Case of Oceanographer Harald U. Sverdrup". Room 25, Baxter Building Friday, June 1, 2001 4:00 PM. Refreshments will be served. Seminars are on the Caltech campus and are open to the community at no charge. For information, contact Michelle Reinschmidt at (626) 395-4087 or [michelle@hss.caltech.edu](mailto:michelle@hss.caltech.edu). For a complete list of SEPP Seminars and Harris Lectures scheduled for this academic year, visit our web site: <http://www.hss.caltech.edu/ses/SEPP.html>

### Event Highlights

Friday, June 1.

LAST DAY TO TURN IN YOUR  
REGISTRATION FOR NEXT YEAR.

**WILLIAM BENNETT MUNRO MEMORIAL SEMINAR:**  
"Is the Visual World a Grand Illusion?"  
THURSDAY, JUNE 7, 4 - 5 PM  
25 BAXTER

Auditions for TACIT's fall term production  
OF TENNESSEE WILLIAMS'S *THE NOTEBOOK OF  
TRIGORINARE*  
JUNE 5, 6 7:30 - 9:30 PM  
RAMO AUDITORIUM

To submit a Mint, e-mail  
[mints@tech.caltech.edu](mailto:mints@tech.caltech.edu) or  
mail your announcement  
to Caltech 40-58 Attn:  
Mints. Submissions should  
be no longer than 150  
words. Email is preferred.  
The editors reserve the  
right to edit and abridge all  
material. Deadline is noon  
Wednesday. Unless speci-  
fied, all mints will run for  
two weeks.

## THE CALIFORNIA TECH

Caltech 40-58  
Pasadena, CA 91126