



## PREFROSH TO TOUR CAMPUS IN WEEKEND

By TAMMY MA

From April 18 to 21, Caltech will once again play host to newly admitted undergraduate freshman students in the annual Prefrosh Weekend. The prefrosh aim to experience Caltech firsthand in a variety of planned events, from staying in the dorm houses to lab tours to house-sponsored parties.

This year, Caltech received applications for admission to the freshman class from 49 states, the District of Columbia, Guam, Puerto Rico and 79 other countries.

Making admission decisions from a talented, high achieving applicant pool is not an easy task.

"Applicants to Caltech are self-selecting," said Charlene Liebau, director of Admissions. "They are students who are high achievers in and out of the classroom and have focused interests in math and science. It is a daunting task to make admissions decisions from such a talented group of students."

Since 1989 the decision-making process has been a two-step process. First, applications are read and evaluated by faculty members, an admissions officer and a current undergraduate student. The written comments of the readers are then presented at meetings of the Freshman Admissions Committee, which includes faculty, students and admissions officers. It is during these committee meetings that the profile of the applicant is reviewed--course of study and grades, essays, teacher evaluations, science activities, extracurricular activities and test scores--and the written comments

*Continued on Page 2, Column 4*



Courtesy of M. Hood

ASCIT President Ted Jou '03 gets his hands dirty with fourth-graders at Franklin Elementary. The volunteers planted a flower garden on the campus as part of last Saturday's Make-A-Difference Day.

## Students Share Love In MAD Day Projects

By ABEL BOURBOIS and GERALD PALMROSE

On Saturday April 6th, over 100 members of the Caltech community came together to participate in Make-A-Difference (MAD) Day, an all-day volunteer celebration now in its second year. Groups went on various volunteer trips all over the Pasadena area, and then returned home to a well-deserved BBQ sponsored by the President's Office and the Caltech Y.

The idea of a campus-wide volunteer day was the brainchild of Jenn Caron '02, who felt that community service opportunities available to Techers were greatly lacking. The event this year included ten volunteer trips and 94 participants thanks in large part to Dr. David Baltimore, who provided generous

funds to cover costs of the event, and members of the Y Board of Directors.

David Armet '04 and his group went to the residence of an elderly lady in East Pasadena. Working with Rebuilding Together Pasadena, an agency dedicated to providing free services to the elderly and disabled, the crew pulled roots, cleared brush and vines, sealed windows and did interior work. Said Armet, "We brought light to a room that had not had any for five years, just by replacing bulbs that were in hard-to-reach places."

Nathan Wozny '03 led a group of

*Continued on Page 2, Column 3*

## Baltimore Letter 'Big Victory' for Students

By ROBERT LI

In response to student concerns about recent policy changes at Caltech as well as a perceived lack of dialogue between the administration and the student body regarding these changes, David Baltimore emailed the community last Friday to explain both the reasoning behind the changes as well as their current status.

The primary reason for the cut-backs according to Baltimore is to eliminate the structural deficit in Caltech's operating budget as a prerequisite to a major fund-raising campaign that will begin this fall. It is hoped that the fund-raising will "provide critical resources for many of the longer-term needs of the campus" but before such a campaign can begin, Baltimore wants Caltech to show that it has the financial discipline necessary to take advantage of the new funds.

The results of this belt-tightening are well known to the student body and has raised much concern all year. Examples include higher insurance premiums, charging for catalogs and charging for off-campus dial-up connections. Furthermore, there have been questions about why these changes were undertaken without prior consultation with student body representatives.

In his e-mail, Baltimore addressed these concerns and promised that: twenty-five parking spaces will be allotted to freshmen via a lottery; the next catalog will be provided free to all students; grades will be mailed home unless the Registrar is told otherwise; the health plan will not be revised further for next

year; no preemptive changes will be made to Rotation; the Humanities portion of the library will be moved to a new reading room in Dabney Hall; and no charges for modem access will be applied until October when the issue will be revisited.

Baltimore promised that as part of the fund-raising campaign, money will be sought specifically to address student needs. Two such projects are the renovation of student housing with the possibility of replacing the north houses and the construction of a new Campus Center. Students will be consulted in these decisions.

Student response to the e-mail has been mostly positive. Samuel Hsiung '04 said, "I welcome Baltimore's e-mail clarifying his position on recent administrative decisions. I think Baltimore's decision to consult students is definitely a step in the right direction." Leo '03 remarked, "It's too bad that the administration doesn't adopt the 'consulting with affected groups when making decisions' policy when it comes to other decisions that are at least as important as free catalogs, such as the Ricketts fire pot issue."

Official response has been positive as well. Joe Jewell '04, ASCIT's secretary, "applauds the recent actions taken by the Caltech administration" and said that "it seems that [administrators] have made a good-faith effort to [address student concerns]." Ted Jou '03, ASCIT president, concluded that this e-mail is "the biggest victory for students in a while."

## Yuri's Night Festivities Celebrate Space Flight

By NATHAN BROWN and YULIYA RUVINSKAYA

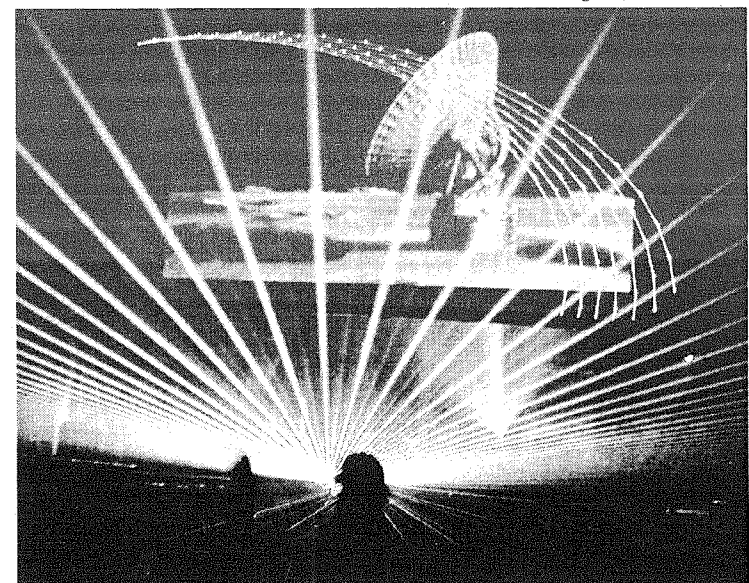
What do you get when you mix World War II aircraft, hula hoops, planets rotating on screens, platform shoes, green lasers, go-go dancers, a cockpit simulator, non-stressed Caltech students, and thumpa thumpa thumpa? You get the Los Angeles edition of Yuri's Night 2002, the worldwide space party celebrated on the 12th of April every year.

The Museum of Flying in Santa Monica hosted the party, which afforded visitors the opportunity to see vintage aircraft suspended from the ceiling when they weren't try-

ing to catch laser beams in their hands. DJs in the two rooms were able to find the building's resonant frequency with remarkable accuracy. Their trance and house beats, popularly known as "thumpa thumpa thumpa," were audible for hundreds of meters outside the building; those who planned ahead brought earplugs.

The admission lines were kept short throughout the party. Arrivals were ushered in by men and women in black, and found themselves in the spacious confines of the Mu-

*Continued on Page 5, Column 3*



Courtesy of D. Kernasovskiy

Laser shows dazzle crowds at last Saturday's Yuri's Night party.

## Team 'Ketchup' Wins Quiz Bowl

By KEVIN COSTELLO

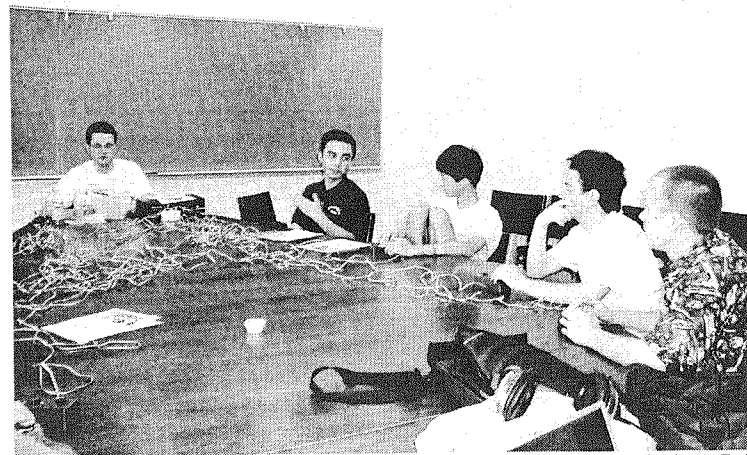
Last Saturday, 40 Undergraduates and Graduate Students competing as members of ten teams converged on Baxter Hall to participate in the annual campus Quiz Bowl intramural tournament.

After a grueling day spent answering questions in subjects ranging from renaissance art to particle physics to Britney Spears lyrics, the "Ketchup Filled Something-or-Others," a team of graduate students from the Astronomy Department, managed to come out on top, finishing with a undefeated nine-win record in the full round-robin tournament.

Close behind them in second place with an eight-win tally came the "Married With Children of a Lesser Gods and Monster's Ball" team of Jordan Boyd-Graber '04, David Griswold '05, Abbey Major '04 and first-year graduate student Matthew Gealy. Two more teams led the rest of the pack with six-and-three records.

The matches themselves were mixtures of team and individual competition. Each round began with a "tossup," a question read to both teams that any individual could ring in and answer at any point. A correct answer on a tossup earned a team either 10 or 15 points and a "bonus" set of related questions worth 30 points each that were answered by the team as a group. An incorrect answer cost the team a penalty and bar anyone else on the team from answering that question. Each match lasted 20 questions.

The deciding match between the top two teams was played near the



E. Adams/The California Tech

In Round Six of last Saturday's intramural Quiz Bowl competition, one of ten four-person teams beeps away at trivia questions.

end of the day. Down 260-230 entering the last question, the KFSO team rang in first on a question on painter Peter Paul Rubens. After correctly answering all three parts of a bonus on the 1981 attempted assassination of Ronald Reagan, they had pulled ahead for a 270-260 victory, leaving one member of the other team to remark ruefully, "If only I had said [Fiona] Apple instead of Jewel." In one of many such regrets on the emotionally charged day, she was referring to an earlier question which he had answered incorrectly upon hearing about "her first album, Tidal."

But even at this point, the competition wasn't fully decided. The winners were forced to hold off a last-game surge by the "Shaft" team of Or Neeman '04, Victor Tsai '04, Libin Zhang '05 and Silas Hilliard '05 to preserve their undefeated record.

Of course, to the victors went the

spoils. By virtue of their first-place finish KFSO had first choice of a large selection of prizes ranging from works of classic literature, to not-quite-so-classic videos such as "Dudley Do-Right" and "Drop Dead Gorgeous," to altogether-too-classic shirts, including a vintage 2000 Gore-Liebermann campaign T-shirt.

Both Jon Sievers, the tournament's top individual scorer, and Micol Christopher are returning members of "The Pundit Filled Ketchups," the team that won the 2001 tournament. As "The Ketchup Filled Pundits" in both 2000 and 1999 they finished in second.

As one participant said afterwards, "It was cool. I tried not to take it too seriously, but I couldn't keep from getting a little competitive at times." All who participated had an enjoyable afternoon, and perhaps got a little bit closer to their inner "nerd" in the process.

**THE OUTSIDE WORLD**

By William Fong

**Venezuelan President Ousted**

On Friday, President Hugo Chavez was replaced by leading businessman Pedro Carmona. Although many South American countries do not recognize the new government, Mexico said it would maintain diplomatic relations and Brazil urged immediate elections. A march of 150,000 anti-Chavez strikers in the capital on Thursday along with pressure from the military forced the supposed resignation of Chavez. The uprising was sparked by Chavez's undemocratic conduct since his inauguration in 1999 and his inability to improve the poverty-stricken country. The U.S. condemned Chavez's relations with Cuba's Fidel Castro and Iraq's Saddam Hussein.

ready to meet with Palestinian leader Yasser Arafat on Saturday. However, after a new suicide bombing rocked Jerusalem, Powell postponed the meeting with Arafat noting the dangerous circumstances.

**El Nino Returns**

The National Oceanic and Atmospheric Administration released reports showing a temperature increase in the Pacific waters off of Peru, a sign of an ensuing El Nino. Although forecasters are uncertain about the strength of the upcoming episode, most say that it should be milder than the El Nino of 1998 that caused \$34 billion in damage worldwide. In the U.S., El Nino usually results in less snow in the Pacific Northwest, more rain in the Southeast and fewer Atlantic hurricanes.

Where in the World are You?



**Bloodshed Continues**

The recent escalation of violence continued this week with multiple suicide bombings and Israeli military action in Palestinian cities. Earlier this week, President Bush called for an immediate withdrawal of Israeli forces from Palestinian territories but Israeli Prime Minister Ariel Sharon failed to comply. As a result, Secretary of State Colin Powell made a trip to the Middle East on Thursday in an effort to curtail the bloodshed. After a meeting with Sharon on Friday to discuss a timetable for withdrawal failed to produce any results, Powell was

**Boston Cardinal Won't Resign**

In a growing sea of accusations of improper conduct, Cardinal Bernard Law of the Boston Archdiocese has refused to resign; instead Law says he wants to help the church cleanse itself so that no child will be molested again. Calls for his resignation began after Law chose to transfer Reverend John Geoghan to another parish despite allegations of sexual misconduct against him. This is one of the many cases of misconduct in the Catholic church surfacing in recent weeks.



Courtesy of G. Fletcher

**Undergrads and graduate students dig in together at the residence of an elderly Pasadena woman. The crew did several hours of much needed yardwork and home repairs for her.**

**VOLUNTEERS AIM FOR 'DIFFERENCE'**

Continued from Page 1, Column 3

12 students to Hillside's Home for Abused Children. Volunteers from CIT worked one-on-one with children there on a fun engineering project. After designing, building and decorating cars from a small kit, the children raced their cars using an air-powered rocket.

Abel Bourbois '03 took a group to Franklin Elementary in Altadena to work with the I Have a Dream Foundation. A group of 15 energetic 4th graders gave volunteers a run for their money as they participated in flower planting, reading activities, and numerous games.

Jenn Caron '02 visited Union Station in Pasadena to clean the cluttered pantry of the agency's soup kitchen - a major source of warm, free meals for Pasadena's homeless.

Grad student Niki Zacharias led a group of nine Techers to the Boys & Girls Club of Pasadena, part of the national non-profit organization that provides safe, positive, and caring environments for children. The group painted the crafts room and the lobby of the gym facility.

Joe Carroll, Susan Ayer, Aaron Davies, and Daniel Wu also led groups showing good will, by planting trees, helping developmentally challenged children, sorting donations, as well as visiting the elderly.

MAD Day gave Techers the opportunity to learn about ways to get involved outside of Caltech and to meet people with similar interests. At the end of day, all of the hard work seemed well worth the effort to everyone who organized, planned, and participated in the event.

**STUDENTS SET FOR PREFROSH**

Continued from Page 1, Column 1

of the readers are read aloud. Discussion follows and an admission decision is made.

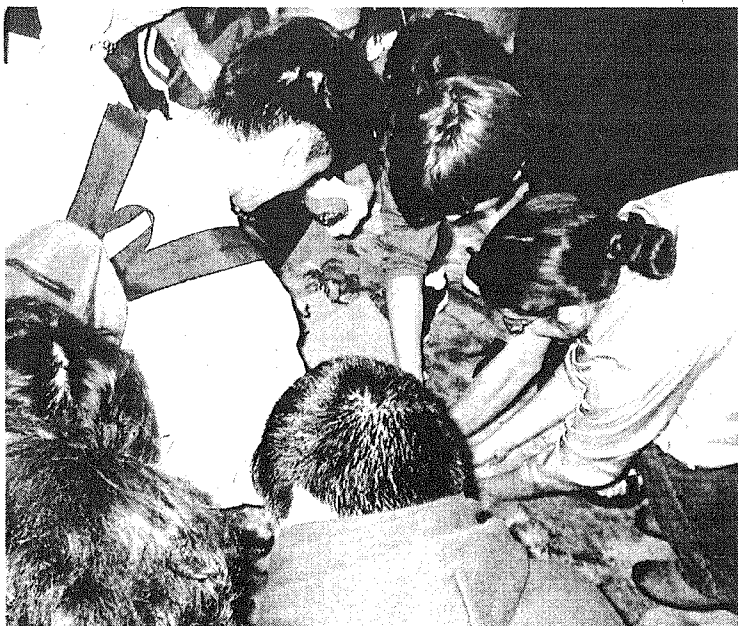
Of note this year is the number of women admitted -- 187 -- the most since 1971 when women were first admitted as undergraduates.

"In comparing the applicant pool this year to previous years, we are pleased at the increase in the number of women who are actively engaged in science projects," Liebau explained. "As high schools begin to encourage girls to pursue math and science at the highest levels I anticipate we will see this trend continue. Good news for Caltech!"

A flurry of prefrush-oriented events is on the weekend's docket. On Thursday the Caltech Y hosts a "Movie Night" at nine p.m. in Baxter Lecture Hall with the movie "Real Genius." Later that night, there will be an Ice Cream Sundae Party at 10 p.m. in Page House

On Friday, Ricketts House will play host to Club Ricketts, a social gathering at seven p.m. in the House's courtyard. The evening ends with a game of capture-the-flag and a barbecue from eight to eleven p.m. in Lloyd.

Finally, on Saturday, ASCIT aims to stage a carnival from 1:30 to 5:30 p.m. in Winnet Quad and later that night an all-campus barbecue and the annual Prefrosh Weekend Party, which goes from 5:30 p.m. on the Olive Walk. In addition, Ruddock at eight p.m. will host Miniature Golf & Milkshakes; and Fleming, its annual Casino Night at nine p.m. Blacker will close off the night with a midnight ultimate frisbee game at 11:45 p.m.



K. Bartz/The California Tech

**Students dive for the final shipment of ASCIT-sponsored morning donuts last Friday. President Ted Jou '03 plans to axe the morning treats in favor of an extra Midnight Donuts session each term.**



by Abel Bourbois

**Upcoming Events**

Contact Greg ([grefg@its](mailto:grefg@its)) for additional info on any event.

**International Week** (4/14-4/21, campus wide). Celebrate diverse cultures at Caltech! Check out Noon Concerts (outside Red Door) everyday this week at Noon. Watch for the Food Fair and Club Fair on Friday (4/19).

**Health Fair** (4/19, noon to two p.m., Olive Walk). Learn about living better and load up on FREE STUFF!

**Community Service** (4/20, six p.m. to nine p.m., Pasadena). Cook dinner for ~50 recovering homeless people at Union Station. Transportation and meal included. Contact Niki ([niki@its](mailto:niki@its)).

**Y Not Join Us?**

There are many opportunities to help the Y continue to serve the CIT community. All meetings are open to students, staff, and faculty.

**ExComm:** every Monday, noon  
**Community Service Cmte:** every other Thursday, noon

**Outdoor Cmte:** for more info contact Katie ([homann@its](mailto:homann@its))

All meetings take place in the Y Lounge. The Y is located on the first floor of the Student Services Building, south of the Holliston parking structure.

If you are, in any way, interested in getting more involved with the Y or have questions about the Y, feel free to e-mail the Vice Pres ([yveep@ugcs](mailto:yveep@ugcs)).

**THE CALIFORNIA TECH**

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

VOLUME CIII, NUMBER 22  
APRIL 15, 2002

**EDITORS**

Kevin Carl Bartz  
Tammy Yee Wing Ma

**BUSINESS MANAGERS**

Tasha Vanestian  
Vi Tran

**ADVERTISING MANAGER**

Dana Sadava

**COPY**

Sam Yeager

**SYSTEM**

Justin Kao

**MINTS**

Dana'il Kazachki

**CIRCULATION**

Leo Rozenberg  
Chris Crabbe  
Jeff Bolz

**COMICS**

Kenneth Kuo

**ADVISOR**

Hall Daily

**DEADLINES**

Advertising: 5 pm Friday  
Announcements (Mints): noon Friday  
Letters to the Editor: 6 pm Friday  
Unsolicited Articles: noon Friday

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 Shih's Printing, Monterey Park.

**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.

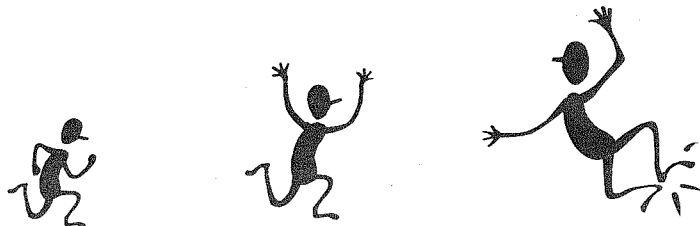
Food To Go Welcome

**OPEN 7 DAYS**

**Tel: 449-8018**

2475 E. Colorado • Pasadena  
between Sierra Madre Blvd. & Altadena Dr.  
Free Parking In Rear

it's here...it's here...it's here!!!



**CALTECH**  
*Prefrosh Weekend*  
**2002**

Thursday, April 18<sup>th</sup> - Sunday, April 21<sup>st</sup>

Questions? Want to Help? Contact...  
[asim@admissions.caltech.edu](mailto:asim@admissions.caltech.edu)

# Pontification on Objectification

## A Male Cheerleader Dives Into 'Female Psychology'

By O.J. CARLTON, IV

In the grand editorial tradition of writing about a subject of which I have no expertise I've decided I should delve into the realm of female psychology. I got to pondering a term used in a variety of political/social circles, namely the "objectification" of women. Typically, the word has a negative connotation in this context, associated with a superficial preoccupation with external physical characteristics. My purpose here is not to defend such a shallow worldview, of which I must admit being guilty on any number of occasions, but rather to investigate the full ramifications of the concept and the possible alternatives I might employ to improve the situation.

I'll assume as a starting point that women (or at least a non-null subset thereof) object to being objectified. The question then becomes how do I, and other abject males, selectively eliminate the behaviors that cause this dejection. More specifically, how can we as Techers help to prevent women from being "objectified"?



Courtesy of K. Scott  
O.J. Carlton '04 lifts one of the females he aims to explain with psychology.

The answer, I suspect, is more difficult at Tech, since scientists, mathematicians, and engineers are trained to objectify pretty much everything. The entire universe is broken down into its most objective form as a preliminary step in any analytic project. Abstract quantities become simple variables, intricate systems are reduced to lifeless diagrams, with the effect of making analysis as impersonal as possible. (Programmers have it worse; they're enthusiastically encouraged at every turn to be even more object-oriented.) I suspect that the deductive reasoning process is limited in its range of subjects. A message repeatedly trajected to me in subtle and not-so-subtle forms is that human females are, by some strange and wonderful characteristic in their nature, squarely outside this range. Logic, science, math, and every other technique from a Techer's bag of tricks of intellect are completely useless in the one project of paramount importance to us; there's just not a matrix big enough.

One method that has proven experimentally to be particularly poorly suited to this field is recursive analysis. When a scientist encounters a dead end in any problem under investigation, the most common (and usually the best) response is to step back, change one experimental parameter or another, and keep probing the system to look for patterns. Unfortunately, women are one set of parameters that never quite seem to get isolated. Indeed, countless experiments conducted by my male colleagues and me have demonstrated that, under all but the most perfect initial conditions, the more times one of us tries to gain esoteric data on a female specimen, the more resistant to cooperating with the experiment she becomes. Several of these experiments have had unpleasant, or even violent, ends. Apparently, failure to make a breakthrough in the first attempt causes the success rate of all future attempts to decrease exponentially. While quantum physicists whine about the uncertainty principle, at least electrons don't hold a grudge about being studied objectively. Despite being several

orders of magnitude more interesting (and more attractive) than fundamental particles, women are impervious to the scientific method. This quality may account in part for why there aren't many women here in the first place.

Another popular approach, in keeping with our proud tradition of quality research, is collaboration. The justification for this scheme is straightforward: by induction, if two heads are better than one, then  $n + 1$  heads are bound to be better than  $n$ . Thus, with enough combined brainpower, we'll eventually be able to figure out anything. If there's any facility on the planet with the resources, experience, and willingness necessary to tackle the phenomenon, it's the good ol' CI of T. Unfortunately, even if IQ is ad-

*"How can we as Techers prevent women from being 'objectified'?"*

ditive, whatever type of common sense is required to understand the system of interest is most definitely not. This harsh fact, combined with the male beaver's aforementioned academic tenacity, leads to the phenomenon commonly known as "glomming," which is only exacerbated by The Ratio. This problem is something of a self-fulfilling prophecy, for when a he-beaver sees a she-beaver in danger of being smothered by a dozen interested suitors, his natural protective response is to rush to the scene in order to scare the others off. It is trivial to prove that the number of glommers (which, by the way is *not* a real word) is unbounded in the limit as the number of coeds approaches zero.

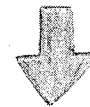
### CALTECH CONVENTIONAL WISDOM WATCH



**MADD About You:** ASCIT President Ted Jou '03 leads the way in showing the outside world that Caltech students aren't as self-centered as you may have thought.



**The Yuri Nation:** So maybe it's more about the Moonwalk than walking on the moon, but a laser show in Santa Monica is never a bad deal for party-starved Techers.



**Can't Catch Up to Ketchup:** A bunch of grad students wins Quiz Bowl's intramural contest for the third year in a row. With Team Ketchup around, why even try?

What I really don't get is the paradox that, while it appears that women go to considerably more trouble to be noticed than do men, they react much less favorably to attention. One could argue (I won't, because I've already got both my feet in my mouth and don't want to spoil my lunch) that women (at least in the only cultures I'm familiar with) tend to objectify themselves and each other by employing elaborate evolutionarily and technologically developed means to attract men. For some reason that my fellow researchers and I have yet to grasp, we fall right into their trap while they make us feel guilty for it. It may be the case that women are less interested in science because they have evolved beyond the need for it. With all the men around, they feel smart enough already.

I must interject that in order to connect in any cross-gender emotional project, we'll have to devise some scheme for de-objectifying our beloved Venutians. Given that they reject being objects, and seeing as how objectively accounting for them is an empirically impossible prospect, the task becomes finding a new way to inspect the women of Tech. The opposite of "object", if I recollect, is "subject," but that is a label I suspect is possibly less welcome than the one they reject. I'm pretty sure they don't want to be subjected to much of anything, nor do they want to be our subjects. We could always eject them, but the effect of that prospect is not what we want to achieve.

Besides, the Lady Beaver's ability to self-select may well cause this outcome without our help. Despite incredible advances in biotech, our drug of choice is not one we can inject. I'm pretty sure they can't be transfected either. We could dissect all the insects on the planet, but we wouldn't come any closer to a solution of this enigma.

Among the worst factors complicating the analysis is their preference for being indirect. No matter how much data we collect, the lack of objectivity makes it too qualitative to be of any use. We abject males have to detect a method whereby we can protect the women of Caltech from outside competition. If we fail to deflect the objectification of women, we can't expect any effect on the reobjectification of men.

Ah guess ah'll always have mah dialect.

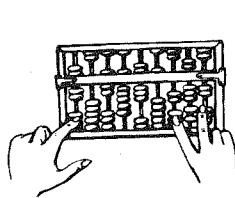
## Question of the Week

Will the proportion of females among next year's class be higher or lower than this year's?

**\$20,000**  
to student winners or teams  
PLUS - \$2,000 gift certificate to hpshopping.com

**\$10,000**  
to their advisor  
up to six prizes will be awarded

the collegiate inventors competition®



+



=



Each year, we recognize and reward the most outstanding student inventors.  
Be the next generation.

A PROGRAM OF THE NATIONAL INVENTORS HALL OF FAME® (330) 849-6887

**ENTRY DEADLINE: June 1, 2002**

APPLICATIONS AT [www.invent.org/collegiate](http://www.invent.org/collegiate)

PRESENTING SPONSORS



[www.uspto.gov](http://www.uspto.gov)



[www.hp.com](http://www.hp.com)



[www.corning.com](http://www.corning.com)



[www.goodyear.com](http://www.goodyear.com)

**GMAT**

**Class starting soon!**

**April 21**

Pasadena Kaplan Center  
251 S. Lake Ave. Suite 130

Call us at 1-800-KAP-TEST or visit us online at [kaptest.com](http://kaptest.com) today to enroll!

**KAPLAN**

# George Bush: Nuclear Hypocrite?

## Inconsistencies in National Defense and Foreign Policy

By RUTH GRISWOLD

During his campaigning, and at the beginning of his term, President George W. Bush tried to pacify leftists who were critical of his proposed Nuclear Missile Defense Shield with the promise that he would reduce our arsenal of nuclear weapons at the same time. Not only has Bush neglected this half of his statement while forging ahead on tests of the shield, he has completely changed his position on the subject with his recently publicized Nuclear Posture Review. This report declares that the United States should begin to start developing less destructive nuclear weapons, which could be used to escalate disputes without completely destroying the opposite country. North Korea, Iran, Iraq, Libya, Syria, China, and Russia are considered prime targets for this new technology. Possible scenarios which the Bush administration feels would warrant a nuclear response include an attack on Israel by Iraq, an attack on South Korea by North Korea, or a military action by China regarding the status of Taiwan.

This new government proclivity to actually use nuclear weapons could have some very deleterious effects. It could rile up our rivals, as classified by the

approve of, there is no incentive for our adversaries to abstain from attacking us first. If these countries think that we are going to attack them preemptively regardless, they might as well develop their own weapons of mass destruction and utilize them against the United States before we can carry out our plans. The injury to their own country is guaranteed either way; they will certainly feel encouraged to ensure that they are not the only people harmed.

Any administration that would thus facilitate the destruction of its own people's cities, and the death of its own constituents is faulty, and not worth re-electing. This proposal to develop a new type of nuclear weapons would enrage our allies and enemies alike. It would make a nuclear attack on America all the more likely, and would almost certainly result in a widespread proliferation of nuclear weapons. Since Bush Jr. is so intent on keeping nuclear weapons where they are at all costs, and punishing those countries who are trying to develop their own, it is extremely hypocritical of him to then provide a legitimate reason for these countries to require their own weapons. He must be more consistent in his policy, and less belligerent in his dealings with the rest of the world.



K. Bartz/The California Tech

ASCIT's Board of Directors meets in Ruddock House, where hostility flew among residents last Wednesday over a recently proposed measure that would have allocated funds marked for "multi-House" events to Fleming's annual Wine & Candlelight dinner.

report, as well as our allies. Countries throughout the Middle East and Europe have been shocked and rather overwhelmed by the ramifications this policy will have in the debate on nuclear deterrence.

Our government's threat to deploy nuclear missiles on countries that currently possess no nuclear weapons of their own; such as North Korea, Iran, Iraq, Libya, and Syria; is especially dangerous and unwise. All of these targeted countries have signed the Nuclear Nonproliferation Treaty to not acquire weapons of mass destruction because they thought it would secure their own country from such an attack. Indeed, the United States has encouraged this view since 1978, and if we suddenly and abruptly change our policy, countries who do not currently own any nuclear weapons will have no longer have a reason not to try and build up their own nuclear arsenals.

If the United States is so unscrupulous about their use of these devastating weapons on any countries whose actions we do not

## Letters: Fleming, Fetterman, BoD Appreciation

### Don't Leave Fetterman Unfettered

Dear Editors,

I can't really imagine the motivation *Tech* writer Abe Fetterman must have had when he decided to open his mouth and write something as flailingly provocative as his editorial article. I understand it is an editorial, and Mr. Fetterman is entitled to his opinion, but I can't see any motivation for his utterly absurd article. Mr. Fetterman claims to be speaking in the language of honesty, but his article is nothing more than sensationalism. He makes several speculations that have no place in a newspaper with any kind of professionalism or respectability. Mr. Fetterman talks about the danger of a "Fleming Bloc" that tries to "Strong Arm" measures through the BoD, all the while ignoring the fact that

this measure failed 6-2, meaning despite whatever "Fleming Bloc" there is in the BoD, there was still at worst a 2-2 or very possibly 3-1 margin *within* Fleming that opposed such a measure. Mr. Fetterman, I beg the question: Does that look like the workings of a "Fleming Bloc?" To make an assertion as ridiculous as that is slander against Fleming House, against the character of the members of Fleming on the BoD (including the majority who voted *against* the measure), and personally against Ted Jou and Janet Zhou, whose personal lives were brought up in a completely inappropriate fashion. The *Tech* should not censor, but they should have kept in mind the standards of professionalism expected out of a major college newspaper, and may I ask editor Kevin Bartz: Do you believe Mr. Fetterman's article remotely lived up to any of those standards? If you believe 'yes,' then please take a look at the picture on top of Mr. Fetterman's article and think again. If that doesn't work, read the line "I myself was asked by several attractive Flemings to attend..." and think again, but harder. If that doesn't work, reflect on Mr. Fetterman's off-base statements and ridiculous hyperbole, and maybe, just maybe you'll be convinced.

More than anything else, I am disappointed in the editing crew at the *Tech*. I'm not for censorship, please don't get me wrong there, but there are standards of professionalism in Journalism, and if an article does not live up to those standards, it should not be published. Mr. Fetterman had a right to say what he said, but he proceeded to say it in a way that was juvenile and insulting; in a way that passes off speculation for truth. In a major university paper, that is unacceptable, and if *The California Tech* is interesting in being more than a tabloid without substance, it should watch what it publishes and how it publishes it. And here's a first hint: pictures of Britney Spears and Abe Fetterman won't help.

Sincerely,

Xiao Wang '05

### Wang's Attacks All Wrong

Dear Editors,

In response to my apparently controversial article last week, I got many comments, ranging from "Great job!" to "I hate you and pray for your death" to "Can I touch Britney?" No, you cannot touch her. She's mine.

Apparently, Mr. Wang, who sent his letter to me as well as the editors, falls under the second category, and probably also the third but he just can't admit it. I will quickly summarize the article's main points for those of you too lazy to read it:

There is no "Fleming Bloc" because the measure failed.

Abe's article is funny.

As I have no objections to the second point, I will move directly to the first. Perhaps the author does not understand the meaning of a "bloc," which is, by Webster, "A group of nations, parties, or persons united for common action or interest." I admit that this has deliberately ambiguous usage in my article - Mr. Wang is clearly not sure what the "action" is. The point of coining the term "Fleming Bloc" was two-fold: to show that Flemings dominate the BoD and are therefore

capable, *if so inclined*, to push something through. The other purpose was to show that they *are* united in a common action or interest - in fact, most of the opposition to the article came from a certain "bloc": one that attended Fleming Wine and Candlelight.

Nearly all of the faults in Mr. Wang's letter can be attributed to lack of information and miscommunication. Allow me to illustrate several of these points.

Most college newspapers have three articles similar to mine in every single issue. Just because the *Tech* has been wholly news-oriented rather than commentary/opinion-oriented in the past does not mean that this is normal. I suggest that if anyone seriously believes that commentary does not belong in a "professional college newspaper," they look to the Yale Daily, the Daily Princetonian, The Harvard Crimson, or any independent newspaper of any ivy league. You will find a significantly larger editorial section with steamier editorials than you will find in any recent edition of the *Tech*. The term "tabloid" is completely out of line - my article contains no lie, no sensationalism; the truth, put into tiny bite-sized oh-so-delicious pellets.

Lastly, I am struck by Mr. Wang's attack at my bringing up the personal lives of Fleming members in the BoD, and yet repeated condemnation of an image of myself and my own girlfriend. Furthermore, I believe that it is fully proper to bring up someone's personal life when it is completely relevant to the issue at hand, necessary for a proper understanding of motivations and behind-the-scenes goings.

I would delve into Mr. Wang's use of "begs the question," the outlandish claim that my article was "slanderous," and the finger pointing towards Mr. Bartz in particular. However, such do not seem to be the main thrust of Mr. Wang's article, and so I will not nitpick with details on a clearly hastily-written article.

I thank you all for your support, and hope that you see that I am not a yellow journalist out to ruin reputations, but am merely trying to focus the public eye a bit harder on the inner workings of our student government.

Abe Fetterman '05

### Thanks for Voting 'No'

Dear Editors,

I believe that thanks are owed to several parties involved in the ASCIT BoD/Fleming W&C scandal, not just condemnations. First, thank you to the members of the BoD who voted against their more self-interested colleagues. Thanks are especially deserved by the Fleming members who voted against the proposal for "multi-House" funding for a restricted-access event, even though it was in their own House, contradicting assertions of the existence of a "Fleming Bloc." Thanks also to Ms. Bilal for a serious article exposing the issue, to Mr. Fetterman for providing useful information in the context of an article that was also fun to read, and to the editors (both Fleming members) who printed news that is important to dues-paying ASCIT members.

Benjamin Aronin '05

Caltech Presidential Lecture Series on  
Achieving Diversity in Science, Math, and Engineering presents

"Digits of Pi: Barriers and Enablers for Women in Engineering"  
with

**Dr. Sheila Widnall**

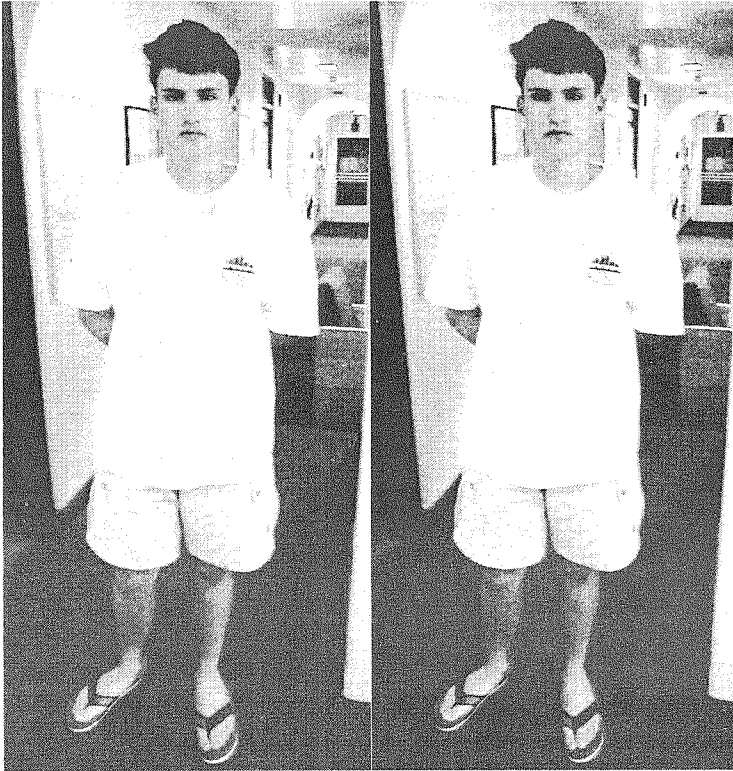
Abby Rockefeller Mauze Professor of Aeronautics and Astronautics, MIT

**Tuesday, April 16, 2002 at 4:00 p.m.**  
**Ramo Auditorium**

Dr. Widnall received her B.Sc. (1960), M.S. (1961), and Sc.D. (1964) in Aeronautics and Astronautics from the Massachusetts Institute of Technology. She was appointed Abby Rockefeller Mauze Professor of Aeronautics and Astronautics in 1986. She served as Associate Provost, Massachusetts Institute of Technology from 1992-1993 and as Secretary of the Air Force from 1993-1997. As Secretary of the Air Force, Dr. Widnall was responsible for all the affairs of the Department of the Air Force including recruiting, organizing, training, administration, logistical support, maintenance, and welfare of personnel. Dr. Widnall was also responsible for research and development and other activities prescribed by the President or the Secretary of Defense. She co-chaired the Department of Defense Task Force on Sexual Harassment and Discrimination. As Associate Provost at the Massachusetts Institute of Technology, Dr. Widnall had responsibility for academic integrity including conflict of interest policy, federal relations, faculty retirement, tenure and promotion policies, and international programs.

*The Caltech Presidential Lecture Series on Achieving Diversity in Science, Math, and Engineering was established to bring to campus speakers who have had highly successful experiences in promoting women and underrepresented minorities in science and technology.*

This event is free and open to all. No tickets or reservations are required. Co-sponsored by the Division of Engineering and Applied Science, the Office of the Faculty, the President's Office and the Women's Center.



In a pair of before-after shots, resident physicist Billy Young '05 shows off the two thousandths of a pound he lost under his famed "Heavy Water Diet," which roots out deuterium-infected water.

K. Bartz/The California Tech

## Yuri's Night Draws Spacy Partiers

Continued from Page 1, Column 3

seum of Flying. The accommodations were luxurious, and the facilities were remarkably clean. Smoking was confined to the outside, as was talking due to the volume of music and dancers.

Anyone who tried to communicate inside had to do so using a Palm Pilot or Morse code, or risk breaking his vocal cords and being perceived as technologically unsavvy and non-133+. The non-133+s were ostracized by the community and promptly retreated to the balcony after obtaining a drink on the way.

Due to the low cockpit simulator-to-attendee ratio, most people had to improvise flight and low-gravity conditions on their own. Many did so by bouncing, thrashing their arms as though they were propellers, and orbiting other dancers. Their advanced level of preparation was evidenced by the fact that no one got hurt. Some may attribute

this fact to a miracle, but there are no miracles in nature!

There were two cosmonauts: two space devils (one with flashing horns); a few aliens with antennae and exaggerated ears; numerous spacemen in short, glittery dresses, 4+ inch platforms, and neon-colored wigs; and such celebrities as Sean Mauch (ex-AMa95 head TA/God), Mr. and Mrs. Weiwei Yang ("Nice shirt! Take it off!"), Ayeh Bandeh-Ahmadi (webmistress and Cosmo Woman), and physicist Stephen Hawking (don't we wish!). Sean's admirers showed their respect by emulating his "thumpa thumpa thumpa" dancing style, and though they tried, none came close. The colors of the night were silver and HeNe-laser green.

A hot place to be was the VIP room on the second level. Boasting transparent glass walls and a large round table with an illuminated globe with a political map of the world (similar to one seen in Austin Powers), it served as a gathering place for a number of suckers who bought VIP tickets, and were stuck there with drinks in hand. Like gorillas in a zoo, they looked longingly at the outside, where passers-by were having fun and poking fingers at them, but did not leave, as the entrance was blocked

by one of the men in black.

In addition to the 41st anniversary of the first flight in space and the 21st anniversary of the first Space Shuttle launch, partygoers celebrated such momentous occasions as the birthday of graduate student Loretta Hidalgo, a cofounder of the event.

The non-lazy and not-so-easily-amused who tried to venture to the third level could not reach it, as a private wedding reception was taking place. The newlyweds—a science fiction writer and a self-proclaimed rocket scientist—met at Yuri's Night 2001, and, thinking how there cannot be too much of a good thing, decided to come back in an effort to meet more cool people (what bride does not dream to have a reception to the sounds of *thumpa thumpa thumpa*?!). It is dubious that they went about achieving this goal the right way, as they did not admit most cool people to their reception—the space devils, the Yongs, and Sean Mauch were seen on the first and second level at all times, celebrating with Loretta.

Perhaps next year, the happy couple will have a baby at Yuri's Night 2003. So come and participate! You're welcome to emulate Yuri Gagarin, but please, refrain from relieving yourself on the tires.

## Heavy Water Makes You Heavy

### Losing Weight the Physicist's Way: Spill the Isotopes

By BILLY YOUNG

Do you think you may be developing a weight problem? Ask yourself these questions: Do you spend more time at your computer than most people spend in a 16 hour workday? Do you then convince yourself that high speed typing can be considered exercise? Have you changed your major based on how far you have to walk to class? Do you get physically exhausted writing a lengthy problem set solution? Lastly, have you developed an immunity or even a desire for CDS food? (I recommend immediate medical attention, there may be more serious problems.)

If you lied to yourself about the answer to at least one of these questions, then you may need to consider a weight loss program. Well, you are in luck! I have a dietary program so revolutionary that infomercials have not discovered it. I will let you in on the secrets of the Heavy Water Diet (HWD).

Heavy water is H<sub>2</sub>O with the traditional hydrogen atom replaced by the isotope deuterium, which is twice the weight of hydrogen. "An isotope in my body?" you may ask. Well, yes. Whether you like it or not, deuterium—and the heavy water it makes—is a rare but naturally occurring isotope in lakes, rivers, oceans and the 70% of your body weight that is water.

That said, when everyone first hears of heavy water, he first thinks, "Wow. Water that's heavy." This is the central idea to HWD: heavy water is heavy. Since the body is 70% water, many previous weight loss programs involved losing water, but they were only carpet bombing the real target: heavy water. HWD overcomes previous failure and success by specifically targeting heavy water for removal. Essentially, heavy water is useless weight. Deuterium may occur naturally, but nature has no need for it; and, it makes you a little fatter. And in regards to the other water-removing diets, why should they remove light water anyway? Is it not heavy water they're truly after?

Some of you are now wondering, "How much am I going to lose with the HWD?" There may only be one part heavy water for every 6000 parts light water, but if we learned anything from clichés it is that small things add up, big things come in small packages and putting a lot of chicken eggs in one basket is bad.

Now here's the best part: HWD won't cost you anything; in fact HWD will save you money. HWD

may not save as much the "eat less food" diet, but which would you rather give up: heavy water or junk food? What people don't realize is that heavy water can run about \$60 to \$100 per liter—and remember, this stuff is naturally occurring. To think all of this time you have been wasting money on the heavy water every time you buy water.

For those of you still skeptical about the benefits of HWD, just look at the results. I myself tried HWD. I answered yes to all of the above questions. I weighed a massive 75.4152 kg. But after I realized that of the 52.9076 kg of water in my body, there was 8.9 g of heavy water, I started HWD. I have replaced that heavy water with 10% lighter light water and now weigh a healthy 75.4143 kg—that's a loss of a whopping two thousandths of a pound! And all that in a few seconds. Can Jenny Craig do that for you?

Moreover, I can contently continue to eat junk food and live in front of my computer with the knowledge that I am keeping my weight in check. Now if you don't believe the creator and promoter of the program, the one person that knows most about it, who would you believe?

Now that you are ready for the Heavy Water Diet, here is what you need to do. In order to remove

heavy water from your body, you need to drink plenty of light water. In order to produce light water for your own use, the company Big Solutions of Physics has a line of home light water products. Through the miracles of modern technology, Big Solutions of Physics has taken extremely complicated heavy water distillation equipment and placed it in a small, easy to use, and very expensive package. You can also enjoy light water a restaurants with Better Silicates & Chemicals Inc.'s new product: water lite. Just ask for it.

Just remember that the Heavy Water Diet is the only diet recommended by nine out of 10 physicists, who obviously understand how the world works better than doctors ever could.

AmCyte, Inc. is focused on the transplantation of microencapsulated insulin-secreting cells (islets of Langerhans) with the objective of alleviating diabetics of their need for supplemental insulin. This proprietary technique of protecting the islets within a membrane or microcapsule has allowed the Company to develop a procedure whereby diabetics may be cured of their need of supplemental insulin by a simple injection of the encapsulated cells into the abdominal cavity without the need for lifelong immunosuppression. This product (BetaRx™) is expected to be the first widely available, effective, long-term therapy for diabetics.

We are currently seeking the following candidates:

#### Senior Director / Director

AmCyte, Inc., a leader in cell / tissue transplantation, is seeking a highly qualified individual to direct the Molecular Cell Biology Group. As a key member of leading scientists focused on proliferated islet cells, the candidate will be responsible for advancing our research in cell proliferation and differentiation.

#### Qualifications:

- Ph.D. in Molecular Cell Biology or a related field with a strong publication record and a proven ability to develop and implement robust research strategies.

#### Senior Scientists

Conduct cell biology, molecular biology, and biochemistry research related to the growth and differentiation of pancreatic  $\beta$  cells. Contribute to the development cell therapies for the control of diabetes and its complications.

#### Qualifications:

- Ph.D. in cell biology, or related field with a strong publication record and a proven ability to develop and implement robust research strategies.
- Biotechnology or biopharmaceutical company experience and/or tissue engineering experience highly desirable.

#### Research Associates

Research Associate will be involved in cell and tissue culture, immunocytochemistry, DNA cloning, and RTPCR.

#### Qualifications:

BA/BS degree in Life Sciences. 2 years experience desirable.

AmCyte is privately held and well financed. The company operates in a modern, spacious and well-equipped facility located in Santa Monica, California. We offer a competitive salary and benefit package. Interested candidates should contact us via email at [hrcode123@AmCyte.com](mailto:hrcode123@AmCyte.com) or by fax at (310) 453-6178.



Three Ricketts partygoers revel in Yuri's Night festivities.

Courtesy of D. Kernasovskiy

### HUNGRY??

go to  
[www.SLIKnLick.com](http://www.SLIKnLick.com)  
pizza...pasta...  
free delivery!  
(626) 792-5984  
524 S. Lake Ave

#### Family Feast

Large Cheese Pizza,  
Bucket of Spaghetti  
& Crisp Salad

\$14.50 + tax

Add \$1.50 for each  
topping  
Only one coupon per  
delivery

# DILBERT<sup>®</sup> by Scott Adams

# FoxTrot by Bill Amend

GOOD NEWS, DILBERT. I'M PROMOTING YOU TO MORE WORK!

IT'S THE SAME PAY AND TITLE. BUT IT MUST BE GOOD BECAUSE I CALLED IT A PROMOTION AND I'M SMILING!

STILL... SMILING... GOOD... NEWS... YOU'RE SCARING ME.

I WORKED SIXTY HOURS LAST WEEK. THAT'S NOTHING. I WORKED SEVENTY HOURS.

THAT'S NOTHING...

OH, WAIT... I JUST RECOGNIZED THE PATTERN.

SEND A COPIER REPAIR GUY. AND MAKE SURE HE'S GOOD-LOOKING.

BECAUSE I LIVE IN A BIG TIN CAN AND I WORK IN AN EGG CARTON. FLIRTING IS THE ONLY JOY I HAVE.

NOTHING'S WRONG WITH THE COPIER YET, BUT I FEEL A FIERCE PAPER JAM COMING ON.

AND I'D LIKE THE COPIER REPAIR GUY TO BE A TALL NON-SMOKER WITH WELL-DEFINED ABS.

OH, YOU'RE NOT A DATING SERVICE, EH? WELL IF I GIVE YOU MONEY AND YOU SEND ME A GUY THEN IT'S JUST SEMANTICS.

AND COULD YOU SHAVE HIS BACK AND OIL HIM UP BEFORE YOU SEND HIM?

I CAN'T COMPLETE THE ONLINE SELF-ASSESSMENT SURVEY. IT ASKS WHERE I NEED IMPROVEMENT AND I DON'T NEED ANY.

THE PROGRAM WON'T LET ME LEAVE THAT QUESTION BLANK.

AND PEOPLE WILL UNDERSTAND THAT I DON'T MEAN IT?

JUST CHECK THE BOX THAT SAYS YOU STEAL.

SURE.

ARE YOU A MANAGER?

NO, I'M AN INDIVIDUAL CONTRIBUTOR.

SO, BASICALLY, YOU HAVE THE SAME JOB DESCRIPTION AS AN ANT?

I'D LIKE TO SEE AN ANT TRY TO WEAR HUGE GLASSES LIKE THESE!

BASEBALL?! PETER, YOU HAVE A MOUNTAIN OF HOMEWORK UPSTAIRS!

I'LL DO IT RIGHT AFTER THIS INNING.

JUST YESTERDAY YOU WERE TELLING ME HOW NERVOUS YOU WERE ABOUT YOUR GRADES THIS SEMESTER! I CAN'T BELIEVE YOU!

ROGER, TALK SOME SENSE INTO YOUR SON.

I'LL DO IT RIGHT AFTER THIS INNING.

PAIGE, DID YOU SEE WHAT HAPPENED TO THE PLATE OF COOKIES I HAD OUT ON THE COUNTER?

NOPE. SORRY.

I'M SURE I LEFT IT HERE. THIS MAKES NO SENSE.

I WONDERED WHAT THE BLINDFOLDS WERE FOR.

TAKE NOTES, LITTLE BROTHER.

MOM READ SOME REPORT THAT SAID KIDS WHO WATCHED OVER AN HOUR OF TV A DAY WERE MORE PRONE TO VIOLENT BEHAVIOR.

NOW SHE'S GOING TO MAKE US ALL CUT WAY BACK ON HOW MUCH WE SEE.

I SWEAR, I COULD STRANGLE WHOEVER WROTE THAT REPORT.

HECK, I'D PUMMEL, MAIM, AND THEN STRANGLE.

YOU ALREADY KNOW WHO GETS VOTED OFF "SURVIVOR" TONIGHT??

DUH.

WHAT'S SO FUNNY? TOMORROW'S "DOONESBURY."

WHAT'S THAT YOU'RE LISTENING TO?

THE "ATTACK OF THE CLONES" SOUND TRACK. IT GOES ON SALE IN TWO WEEKS.

IT SEEMS THE ELUSIVE SECRET TO TIME TRAVEL IS THE INTERNET.

WHEN DO YOU WANT TO GO TODAY?

MOM THINKS I SHOULD TAKE UP A SPORT.

SHE SAYS I SPEND TOO MUCH TIME EACH DAY LOITERING AROUND THE HOUSE AND DRIVING EVERYONE CRAZY.

I ALWAYS THOUGHT THAT WAS YOUR SPORT.

GOOD POINT. HEY, MOM!...

I WAS THINKING WE SHOULD GET A BIG-SCREEN TV.

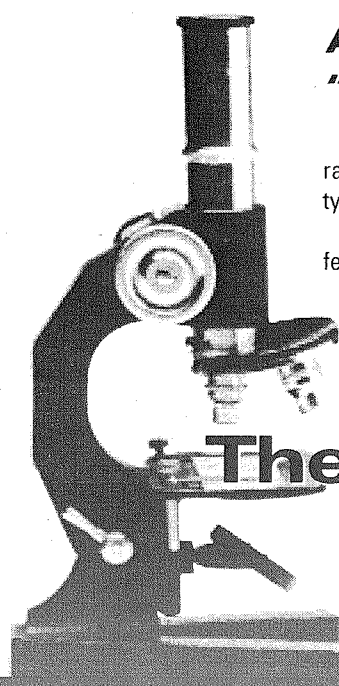
OH?

THAT WAY WHEN I PLAY VIDEO GAMES, I'LL BE ABLE TO SEE EVERY EXPLOSION OF ALIEN BLOOD IN BIG, BRIGHT, LIFELIKE RESOLUTION.

WHADDYA SAY, MOM?

WHO SHRUNK THE TELEVISION?

COULD YOU PUT IT DOWN, PLEASE?



## At CEFU, You Can Be Sure the "Fine Print" is Always...Fine!

Some banks try to disguise their high-cost credit cards with "teaser rates" or introductory offers. They sound great...until you read the tiny type. That's where our Credit Union VISA is different. Our VISA is a straightforward, honest card. No gimmicks. No hidden fees. Just:

- A low fixed rate
- NO annual fee
- NO cash advance fee
- NO finance charge whatsoever on new purchases (excluding

These advantages are just part of the lifelong benefits of Credit Union membership. At CEFU, you'll also find some of the highest rates on savings and lowest rates on loans in the nation! See for yourself. Visit us online at [www.cefcu.org](http://www.cefcu.org) or in person. Or, call (626) 395-6300 for a VISA application and magnify your financial power today!



**NOT YET A MEMBER?** All it takes to join is a \$5 deposit in our high-yield, federally insured savings account, and a 25¢ membership fee. Just visit our on-campus branch and apply for your low-cost VISA at the same time.

## The Closer You Look, the Better We Get!

cash advances) if your bill is paid in full within 25 days of your statement date

- Student credit limits from \$500 to \$1,000 and more.
- Plus, you can access this VISA at our on-campus ATMs!

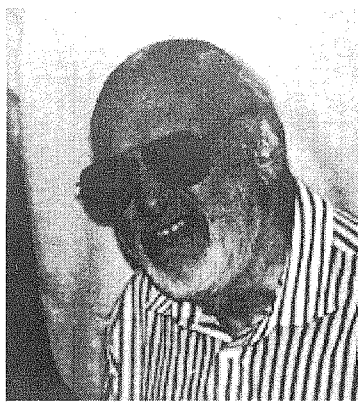


**CAMPUS OFFICE**  
1200 E. California Blvd.  
(Lower floor of the Keith Spalding Bldg.) • CIT 15-6  
(626) 395-6300 • [www.cefcu.org](http://www.cefcu.org)

# Dean's Corner

## We Can Be Heard

By JEAN-PAUL REVEL



In the night of 4/18-19/1775 the cry of Paul Revere and William Dawes was "the British are coming, the British are coming". 227 years later and a continent apart the chorus is a little different, "the prefrush are coming, the prefrush are coming." This time it is not a question of warning of impending disaster, but an exhortation to welcome 200 potential Techers trying to decide whether or not to come here, trying to foresee what Caltech has in store for them.

The catalog of January 1919, describing the Throop Institute of Technology on the eve of its transformation into Caltech, told prospective students that "Pasadena is not only one of the most beautiful of cities, but it is also noted for the morality, refinement, and culture of its citizens." So there you have it, prefrush, and, you should realize that, in spite of changes, Pasadena is still a pretty nice place to be although I doubt many of you come for the scenery (spectacular on a clear day, and these are more frequent than you might have been led to believe). So what is Caltech?

Our founding fathers, I mean Professors Hale, Noyes and Millikan (Tinker, Thinker and Stinker as they are affectionately known) who took the reins in 1920, worked to transform our predecessor, the Throop Institute, a "manual training" school into "exclusively a high grade college of science and technology." They said: "In developing such a school we must provide the best of education and the most perfect equipment...we must not forget that the greatest engineer is not the man who is trained merely to understand machines and to apply formula, but is the man who, knowing these things, has not failed to develop his breadth of view and the highest qualities of his imagination." The emphasis placed on higher scientific studies and research at the Institute has brought into its staff a group of internationally known teachers and investigators. Besides the exclusive use of the masculine, there is little one can disagree with. These goals have not wavered, as indicated by President Baltimore in the last Annual Report

on the state of the Institute. We investigate the most challenging fundamental problems in science and technology, in a singularly collegial interdisciplinary atmosphere, while educating outstanding students to become creative members of society. Our strong focus on research sets us apart from other small schools that cater to the finest students.

The "finest students" who come here these days, are given a lot of autonomy. The elected student government (ASCIT) is independently incorporated and responsible for implementing the Honor System and many other aspects of student life. Of course this relative autonomy puts great demands on our students. Living under a liberal code, in a trusting environment makes it altogether more important to behave in a responsible way. The students do not "run" Caltech. Freedom does not mean license to mayhem, and there is a constant jostle as limits are set, drawn by legal, health, safety and other considerations. An important part of life on Campus are the Houses, neither dorms or frats, where many students (including all frosh) live. Many alums keep very strong ties (at least emotional ties) with the houses that they lived in. Although the houses will probably change little over the next 4 years, there are plans for renovations, and I would be surprised if the newcomers did not have input in designing an environment in which future students will live and as a recent report said, hopefully flourish.

A central part of college life of course is acquiring new knowledge and new skills, under the guidance of the professors and others on the teaching staff. So what of the profs? First of course the profs are extraordinary people, a body of internationally known investigators, at whose feet to sit and learn. And then of course there is the extraordinary prof/student ratio, 3/1, better than that at any other schools—a great choice of feet to sit at? But 3/1 only means opportunity. Here as everywhere else there are good profs and not so good profs (there are no bad ones, of course not). All take their teaching very seriously, but some are more effective at it than others. Like other people, profs have dif-

ferent personalities, some better, some less well suited to different aspects of the profession. There are profs so busy with their other responsibilities that they are distracted, profs in such demand that they are hard to find, profs whose research takes them to the 4 corners of the globe (may be this guy should go back to school, 4 corners of the globe indeed!) and so rarely available. Prof's are a bit like the students themselves. Everyone admitted here could be a star, or even a superstar. It is unlikely though that a super student in Biology, would also be at the top in Mathematics. And so with profs. They may all be superstars in research, the kind of people that Millikan, Hale and Noyes were looking for, but miserably fail to communicate their savvy to their charges. So Dr. Z's lectures may put

you to sleep, but wait till you get to her lab. It is a candy store! See? (sic(k)). (note to non California residents: See's Candies is a chain hereabouts; and as to seasickness well, in the old days we used to take incoming Frosh offshore to Catalina Island, but that's only a memory now).

So to come back to the 3:1 ratio, it is great on a prospectus, but is only important if you take advantage of it, if you get up the courage to interact, to participate, if you attend classes, are active in recitation. If you fall into a pattern where all of this is secondary to some other goal you pursue, if you let yourself drift, then 3/1, or Caltech will do nothing for you. Another important aspect of Caltech's 3/1 is the fact that all students are assigned (or otherwise become attached) to an adviser, one of the profs. Again some are better than others at that job, but it is your responsibility to make sure you make use of them. Not only can you get advice about classes leading directly to a Nobel in (insert the field) 40 years from now. You can even get to know a real to goodness researcher as ea-

ger to help and encourage you than you are to ask for advice.

And advice you'll need. Life at Caltech will be very, very demanding. There will be lots of homework, lots of lab work, lots of reading and reporting, but there can also be lots of excitement, lots of ways to participate in significant endeavors. Since I started on the April 19 theme, I'll just remind you all that the 19th was also the day when the Boston Marathon was traditionally held (actually this year it was April 15th). Going to Caltech is like running a Marathon, one has to run fast and also steadily. The temptation at first will be to run as hard as one can, take too many courses, and may be burn out in a flurry. Ask your advisor! If you are willing to take the challenge, and share the excitement, I look forward to see you here.

A bientot, en Septembre?

*Jean Paul Revel*

Jean-Paul Revel  
Dean of Students

# CRIPPLING DEPRESSION

www.CripplingDepression.com

By Ben Lee, Tim Wan and Mike Yeh

Panel 1: "OK, TIME TO DIVVY UP THE PREFROSH... HMM, THIS KID LOOKS INTERESTING."

Panel 2: "HE LIKES COLLECTING KNIVES. HIS IDEAL HOST IS SOMEONE WHO IS TRUSTING AND A HEAVY SLEEPER"

Panel 3: "NAME: JOHNNY T. INTEREST: KNIVES. NEBBY PHOTO HERE"

Panel 4: "UH YEAH, HE'LL BE STAYING WITH YOU, TIM. YIPPEE!"

Panel 5: "YOU KNOW, A LOT OF PEOPLE LIKE TO MAKE FUN OF PREFROSH WEEKEND BUT I REALLY ENJOY IT."

Panel 6: "EVERYTHING SEEMS HAPPIER, THERE'S ALL THESE NEW FACES, AND THE GENDER RATIO IS ALMOST NORMAL"

Panel 7: "IT'S LIKE FOR A LITTLE WHILE, I CAN BELIEVE I'M AT A DIFFERENT SCHOOL"

Panel 8: "MIKE! I JUST SAW THE HOTTEST PREFROSH - LET'S GO STAND AROUND HER! DAMNIT, TIM."

Panel 9: "YOU KNOW, INSTEAD OF CONVINCING KIDS NOT TO COME HERE THIS PREFROSH WEEKEND"

Panel 10: "LET'S PICK A PRE-MED KID WHO GOT ACCEPTED BY HARVARD AND MAKE HIM COME HERE"

Panel 11: "THEN, WE CAN ENJOY HIS SPIRAL INTO BITTERNESS"

Panel 12: "MAN, THAT'S PRETTY TWISTED. WELL, I'M PRETTY BORED."

Panel 13: "WELL, I WAS LEANING TOWARDS HARVARD, BUT YOU MAKE A GREAT CASE FOR CALTECH. I SURE DO."

Panel 14: "YOU REALLY THINK I'D BE HAPPY HERE? AUGH, I CAN'T DO THIS!"

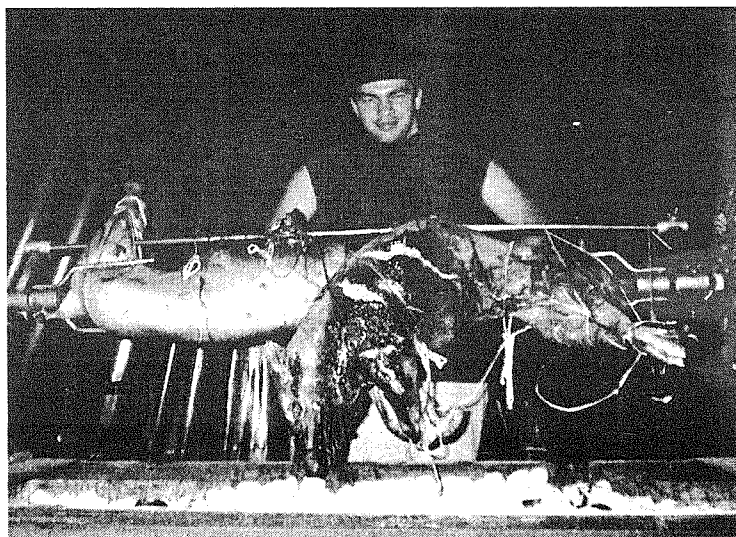
Panel 15: "RUN WHILE YOU STILL CAN!"

Panel 16: "YEAH, I FIND THAT THE WORK LOAD HERE DOESN'T INTERFERE WITH MY SOCIAL LIFE. REALLY?"

Panel 17: "SURE, YOU KNOW, I'VE NEVER REGRETTED COMING HERE. WOW, YOU KNOW YOU'RE THE MOST POSITIVE UPPERCLASSMAN I'VE MET SO FAR. DOOF!"

Panel 18: "NEXT WEEK: UPLIFTING COMICS! \*BZZT\* \*BZZT\* \*BZZT\*"

# PIGS, MERMAIDS AND 'LLOYD' OF THE FLIES



K. Barz/The California Tech

Finessed on a skewer, just-killed pigs lay roasting at last weekend's "Lord of the Flies" party. Organized by Alice Lin '05, the gathering drew scores of students to Lloyd House last Saturday.

## Announcements

**Before (And After) The Taliban--Special Spring Course.** H 161: Afghanistan 3-0-6; Prof. Rosenstone Tuesday, 7 pm. An exploration of the past, present, and possible future of this colorful and conflict-ridden ancient land -- its people, its art, its wars as seen both by outsiders and the Afghans themselves. Students will be exposed to written works by travelers and natives, academics and journalists. They will also see four films, both dramatic and documentary, about the country and its traditions. Helping to teach the class will be guest experts in cultural, historical, and political developments. Among topics to be covered are -- the Silk Road, ancient history, and art; the birth of the Afghan state; ethnic groups and conflicts; religion and Islamic law; languages, music and culture; the role of women and the veil; the Soviet invasion; the rise and fall of the Taliban, and the American-backed war and new regime. Note: not for advanced hum credit.

The **Beckman Political Internship** will be available again this summer. The internship, supported by friends of Arnold O. Beckman, will pay a stipend of \$5,000. It allows a selected intern to spend the summer working in the office of a politician and to see from the inside the process of government. The intern is expected to make arrangements with the appropriate political persons. It is open to any Caltech undergraduate who intends to be a student next year. If interested, submit a proposal describing where and how you would use the stipend along with one faculty recommendation, to the Deans' Office, 102-31 or email to [deansofc@caltech.edu](mailto:deansofc@caltech.edu) by Monday, April 29, 2002.

**Summer Work Study:** Information and applications for 2002 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, 2002. 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 1st payroll.

**Grant Announcement:** The National Collegiate Inventors and Innovators Alliance is seeking proposals that support innovation, invention, and entrepreneurship programs in U.S. colleges and universities. Grants support student inventions and projects, and faculty course development. Deadline: May 15, 2002. Information and Application: <http://www.nciia.org>, 413-587-2172 or [info@nciia.org](mailto:info@nciia.org).

**CIT Guitar Classes** for the Spring quarter will meet on Tuesdays in SAC Room 1, starting on April 9 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 three 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 ext. 2923 or (323) 465-0881 or by email at: [ddenning@caltech.edu](mailto:ddenning@caltech.edu). The Guitar Home Page is: [www.music.caltech.edu/guitar.html](http://www.music.caltech.edu/guitar.html).

Are you interested in working for this year's **Totem**, Caltech's Annual Literary Anthology? We are in the process of trying to recruit students to help assemble this year's magazine. If you produce any creative works (prose, poetry, short stories, photography, painting, computer art, original music, etc.) then please submit (either by e-mailing [totem@its.caltech.edu](mailto:totem@its.caltech.edu) or snail mailing to MSC # 920). You could also come to our weekly meetings and be a reader. All you'd have to do is read/look over the submissions and let us know what you think and in the process help us decide what makes it into the magazine and what doesn't. We strongly encourage any level of participation. We can also be reached at [totem@its.caltech.edu](mailto:totem@its.caltech.edu).

Attention all undergraduate students on **Financial Aid:** The last date to request any change to your 2001-02 financial aid award is Wednesday, May 1, 2002. Requests for 2001-02 changes made after May 1 will not be considered. Please contact the Financial Aid Office at ext. 6280 if you have any questions.

It's that time of the year again when we are taking applications for the **Don Shepard Essay Award**. This award is sponsored by the Residence Life and Master's Office, and was established by the late Larry Shepard in memory of his son, Don, a former Caltech student. The intent of the award is to enable students who have little or no funds left after meeting the expenses of tuition and related institute costs to have some fun and to explore new interests or pursue a dream -- theater, music, travel, a hobby or recreational interest, etc. It is not intended to provide necessities (tuition, text books, etc.), nor is it to be used to pursue purely academic interests. To qualify for one of the prizes, you should submit an essay (around 500 words), typed or neatly and legibly written, describing what you would like (hope!) to do. The essays are judged on content and style. Amounts up to \$1000 are awarded to 6-10 students. For more information, contact the Residence Life Office.

The **E.T. Bell Undergraduate Mathematics Research Prize**- A cash prize of \$500 awarded for the best original mathematics paper written by a Caltech Junior or Senior. Contestants must be nominated by a faculty member familiar with the work. If the entry is sufficiently worthy, the faculty member will nominate the contestant and act as sponsor. Each student is entitled to only one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by the end of the fourth week of the third term, (April 30). A faculty committee will judge the papers and announce its decision before the end of the third term. The committee may award duplicate prizes in case of more than one outstanding entry. The name of the winner (or winners) will appear in the commencement program.

**The Morgan Ward Competition**- Open to any Caltech freshman or sophomore. Entries may be individual or joint. Each student is entitled to three entries; two may be individual. An entry consists of a mathematical problem with a solution or significant contribution toward a solution. The problem may have any source which should be stated in the entry. The entries are judged on the basis of the nature of the problem, originality, and elegance of the solution. Indicate any outside references used. Entries from each contestant or group must be delivered to 253 Sloan by April 30. The names of the contestant, or contestants, must be written on the envelope only, not on the entry. The Judging Committee will consist of 3 undergraduates. The judges will select a group of finalists and submit their entries to the mathematics faculty who will make the awards. Prizes of \$75 will be awarded for the best entries. Prizes for individual entries will be limited to one per contestant; no group may receive more than one prize.

The **Ballroom Dance Club** is currently offering two class series: Merengue and Swing. Next week will be the 3rd of 5 lessons, but if you have any previous experience, come learn new moves! Merengue, taught by professional instructor Kristi Wirz, is held on Mondays through April 29. \$6/lesson for all Caltech students; \$8/lesson for others. Amateur-taught East Coast Swing is offered on Wednesdays through May 1; \$1/lesson (free for frosh). All lessons take place in Winnett Lounge from 7:30-9pm, followed by a half hour practice session. No partner necessary, refreshments provided. On Mondays after class, we have a free mini-ballroom dance party- open dancing, request or bring your own music!

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. No attachments, please. The editors reserve the right to edit and abridge all material. Deadline is noon Friday. Unless specified, all mints will run for two weeks.

Part of the **Caltech Dance Troupe** will be participating in a performance: "Form Follows Function: Spring Dance Concert" put on by the USC School of Theatre. Performances will be held April 25 and 26, 7pm, Bing Theatre, USC campus. General admission is \$10, non-USC students \$7, USC students \$5. We will have three dance classes for spring term. All classes meet in the Braun multipurpose room. Beginner's Hip Hop - back by popular demand! Instructor: Joey Dowdy; Mondays, 10-11:30pm starting April 8. Trial class fee: \$5; Caltech students full term fee: \$20; Non-Caltech students full term fee: \$30; (For those of you who like to schedule ahead, there will be no hip hop class on Monday, April 22.) Intermediate Jazz; Instructor: Collette Sibal; Tuesdays, 10-11pm starting April 9; Trial class fee: \$5; Caltech students full term fee: \$20; Non-Caltech students full term fee: \$30; Intermediate Ballet; Saturdays, 1-2:30pm starting April 13, free! For more information, see <http://troupe.caltech.edu>.

### Les-Bi-Gay-Trans Discussion Group

Whether you are out and proud, exploring your sexual identity, coming out, or anywhere in-between, we invite you to our Discussion Group, which meets on the 1st and 3rd Tuesdays of each month from 8:15 until 10:15 pm in the Health Center Lounge. The group is a great place to meet new friends and the atmosphere is generally very relaxed; at the same time, more personal and "serious" discussion topics can be addressed. This is a confidential meeting and attendance does not imply anything about a person's sexual orientation; supportive students and staff are welcome as well. And refreshments are served! For more information call ext. 8331. To find out about LBGT events on campus, please visit the Caltech Student Pride Association (CSPA) calendar at <http://rainbow.caltech.edu>.

Are you interested in discussing life at Caltech and in the United States? If so, the **Intercultural Discussion and Support Group** provides a forum for Caltech students to explore the process of cultural adjustment and relating across cultures. The group meets every Monday from 12-1 pm in the Women's Center Lounge. (265-86, 2nd floor of the Center for Student Services). This group is facilitated by the Counseling Center and International Student Programs, and is open to ALL Caltech students, graduate and undergraduate, American and international. Drop-ins welcome. Since lunch is provided, please contact Jim at [endrizzi@caltech.edu](mailto:endrizzi@caltech.edu) if you plan on attending one of the meetings, this will guarantee that we have enough food!

As a result of **Irvine Foundation** funding, Caltech has a limited amount of money available for diversity programs related to underrepresented minorities and women for academic year 2001-2002. Proposals from students, faculty, and staff are welcome and should clearly address how the program relates to issues of diversity. Proposals should also include a description of the event, including purpose, audience, date, location, and budget. Application forms can be picked up at the Caltech Y. An institute committee will review the applications and make the awards. For more information, contact Athena Castro ([athena@caltech.edu](mailto:athena@caltech.edu)) or Greg Fletcher ([gregf@caltech.edu](mailto:gregf@caltech.edu)) at ext. 6163.

## Scholarships

For information on available scholarships, please visit the Financial Aid web site at <http://www.finaid.caltech.edu/news.html>. All qualified students are encouraged to apply!

## Upcoming Events

**Pasadena Symphony** Music Director Jorge Mester and sisters Ida and Ani Kavafian (who play violin and viola, respectively) are the featured guests at "Classical Conversations - Behind the Scenes with Jorge Mester and The Pasadena Symphony" on Friday, May 10, 2002, 4:30 P.M., at Vroman's in Pasadena. The free six-part series of events is presented by Vroman's Bookstore and The Pasadena Symphony. Mester and the two musicians will discuss the orchestra's May 11 all-Mozart concert (at the Pasadena Civic Auditorium) at which Mester will conduct and Ida Kavafian and Ani Kavafian will perform Sinfonia Concertante. The concert will also include Adagio and Fugue in C Minor and Posthorn Serenade. For information about "Classical Conversations," please call (626) 449-5320. For Pasadena Symphony concert tickets, please call (626) 584-8833; for group sales or season subscriptions, please call (626) 793-7172 or visit [www.pasadenasympphony.org](http://www.pasadenasympphony.org).

YWCA of Pasadena Foothill Valley presents **Women Think, Women Listen, WomenTalk**. Willow Bay, a CNN news anchor based in Los Angeles, will be the YWCA WomenTalk series' speaker on Wednesday, May 1 at 7 p.m. in Gosney Hall, Polytechnic School, 1030 E. California Boulevard, Pasadena. Her subject will be "Navigating the News: The Winding Road of a Broadcast Journalist." Bay anchored CNN's Moneyline News Hour from both Los Angeles and New York and now hosts the network's "Business Unusual." Admission is free to YWCA members and students with current ID, \$10 to the public. Call the YWCA at (626) 793-5171 for reservations or information.

**WEST (Women in Engineering, Science, and Technology)** would like to invite the entire Caltech community to their upcoming art exhibit and social. The art exhibit, featuring the works of women students, staff, and faculty; is available for viewing from noon to 6pm on April 26 in Dabney Hall. Refreshments will be served from 3-6pm. WEST will be hosting another Lunch with Faculty for Women Students on April 24 from noon-1pm in 139 Moore. Guest faculty members will be Erin Schuman (Biology, Caltech) and Karen Parfitt (Biology, Pomona College). They will share their individual pathways to success, their current research projects, and their thoughts on women in science. If you would like to attend, please RSVP to [westclub@caltech.edu](mailto:westclub@caltech.edu).

**Caltech Library System** presents: The following sessions are approximately one hour of formal instruction followed by an optional hands-on practice. All classes begin at noon and meet in the Sherman Fairchild Library Multimedia Conference Room (Room 328). Walk-ins are welcome, but pre-registration is preferred. Tuesday April 16, Noon "Endnote for Beginners". Tuesday, April 23, Noon: "Chemistry Information Resources". View details and register for these and other upcoming classes at: <http://library.caltech.edu/learning/default.htm>. For further information, please contact Kathleen McGregor at x6713 or [kathleen@library.caltech.edu](mailto:kathleen@library.caltech.edu).

THE CALIFORNIA TECH  
Caltech 40-58  
Pasadena, CA 91126