

Rotation ends
Sunday!



Can you identify all the students in the Crime and Incident Beat?

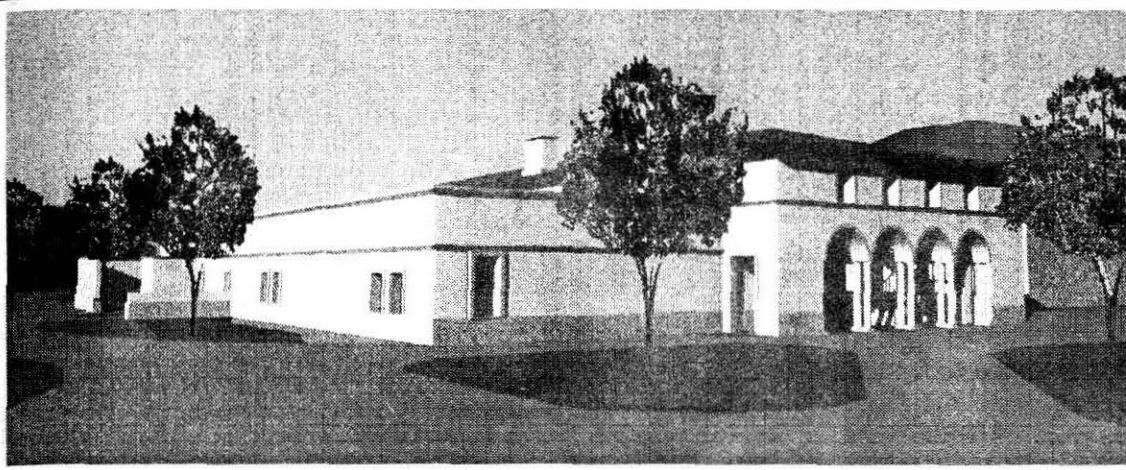
see page 4

THE CALIFORNIA TECH

VOLUME XCIX, NUMBER 3

PASADENA, CALIFORNIA

FRIDAY, OCTOBER 3, 1997



A new face for Winnett Center Bookstore to expand, ResLife and Y to move in Winnett renovation

BY MATTHEW TISCARENO

Winnett Center, the linchpin of Caltech's somewhat decentralized student life facilities, will be given a major shake-up during the coming year, reports Tom Mannion, the Director of Campus Auxiliary and Business Services. Plans have been drawn up and approved which call for the Caltech Bookstore to be expanded, taking up most of the first floor of Winnett.

The remainder of the first floor will be occupied by an expanded Red Door Cafe, while the old site of the Red Door, across the way in the Chandler building, will become a small store selling basic food supplies, toiletries, and other necessities. The Club Room, upstairs in Winnett, will remain as it is, as will the Women's Center. The Caltech Y's current site will be converted to a larger student lounge, comparable to the current Winnett Lounge. Finally, the Residence Life Office and Caltech Y will be moved to Keck House, south of the Holliston parking structure, which is being phased out as a residence and remodeled to accommodate student organizations.

In addition, the exterior of Winnett will be remodeled, adding a Spanish-style facade to complement many other buildings on the south side of campus. The walkways on the

west side of the building will be enclosed, and an elevator will be added, in full compliance with the Americans with Disabilities Act.

"Construction on Winnett should begin sometime in February or March," said Jon "Marty" Allen, a senior majoring in engineering who has been directly overseeing and designing the renovation project for Mannion, "and it will probably take about four months." Some construction in Keck House is already underway.

Mannion said that responsibility for the project was given to him after last year's brouhaha over the Bookstore management. Both faculty and students were on committees to discuss the project, and Mannion has taken advice from many corners.

The sundries store, to open in the Red Door's old location, is a direct result of suggestions from students on the committee. Its inventory will be determined after further student input. Mannion expects to stock bread, milk, sugar, canned goods, microwaveable meals, as well as basic non-food items such as toothpaste.

The store's prices may not be able to compete with those of

high-volume grocery stores, but the idea for the store is convenience, not price. It will be enough to hold you over until your next trip to Ralph's.

The pick-up location for student packages will also be moved to the old Red Door location, from Central Receiving. The existing package pick-up is not only an inconvenient walk from the Houses, it is only open until 4 p.m., a major annoyance since notices that a package has been received are delivered with campus mail, which often does not arrive in mailboxes until 1 p.m. or 1 p.m. Mannion expects the new store, with package pick-up, to be staffed by a single student employee, and thus to be able to remain open as late as midnight.

The Red Door Cafe will be moving to a location twice as big as its current facility. Mannion hopes that the Cafe will use some of the new lawn that was formerly San Pasqual Street as a patio with outdoor tables, and to attract more undergraduate customers, as well as faculty and grads. At the recent Club Fair the

Red Door offered samples of its delicious fruit smoothies, which sell for only \$2.75 for a generous serving. They also serve deli sandwiches from Eddie's Market and Goldstein's bagels, and are open from 9 a.m. to 5:30 p.m.

SEE WINNETT ON PAGE 9

The Caltech Y's current site will be converted to a larger student lounge.

The pick-up location for student packages will be moved to the old Red Door location.

Tragedy strikes MIT fraternity pledge

BY DALE DEBAKSY

During the early morning hours of the twenty-seventh of September, Scott Krueger, a freshman at MIT, died after having passed out with a blood alcohol level of .41 during a Phi Gamma Delta fraternity party. Krueger's autopsy revealed that his death was caused by alcohol poisoning and choking on his own vomit. It was the first time in the history of MIT that a student had died in such a fashion, and the event has taken on a special importance in the light of the events at Louisiana State University over a month ago, where one student died and twelve fell ill due to the effects of binge drinking.

As a result of the Krueger tragedy, the board of directors of Phi Gamma Delta voted to suspend its MIT chapter and to "ban alcohol from all chapter residences as of July 1, 2000." MIT has announced the suspension of the fraternity and, as the president of MIT announced on the Wednesday following the tragedy, has begun the development of a new alcohol policy. The new policy will include banning the use of institute funds for the

purchase of alcohol to be used for events attended by students under the age of 21. Furthermore, the president pledged to create new residence halls within the next three to four years to alleviate MIT's need to rely upon off-campus fraternity housing. In the meantime, the MIT Inter-Fraternity Council has declared that it will ban alcohol use from all of its members' events until the new policy is formulated.

Scott Krueger had graduated seventh in his class from Orchard Park High School, near Buffalo, New York. He had garnered varsity letters in soccer and wrestling during his high school career and was planning to pursue his interests in mechanical engineering and heavy-weight crew while at college. Friends and family stated that he was not known to drink alcohol in great amounts at any time previous to this incident. They rather remember him as a respected student, a valued tutor, a dedicated athlete, and a decent human being. To them, he was an upstanding individual. To us, Scott Krueger is a sobering example of the dangers of excess.

California State Hazing Laws

CALIFORNIA CODES EDUCATION CODE SECTION 32050-32051

32050. As used in this article, "hazing" includes any method of initiation or preinitiation into a student organization or any pastime or amusement engaged in with respect to such an organization which causes, or is likely to cause, bodily danger, physical harm, or personal degradation or disgrace resulting in physical or mental harm, to any student or other person attending any school, community college, college, university or other educational institution in this state; but the term "hazing" does not include customary athletic events or other similar contests or competitions.

32051. No student, or other person in attendance at any public, private, parochial, or military school, community college, college, or other educational institution, shall conspire to engage in hazing, participate in hazing, or commit any act that causes or is likely to cause bodily danger, physical harm, or personal degradation or disgrace resulting in physical or mental harm to any fellow student or person attending the institution. The violation of this section is a misdemeanor, punishable by a fine of not less than one hundred dollars (\$100), nor more than five thousand dollars (\$5,000), or imprisonment in the county jail for not more than one year, or both.

IN THIS ISSUE

THE USUAL STUFF

Announcements.....	12
Dean's Corner.....	5
DILBERT®.....	6
Letters.....	2
The Outside World.....	3

THIS WEEK'S FEATURES

Crime & Incident Beat.....	4
Editors' Box.....	2
ExComm Minute.....	4
Media Guy.....	8
Y News.....	3

LETTERS TO THE EDITOR

Core Curriculum Committee wants your opinions

freshmen as the year progresses about what they think about their classes is also most welcome.

I, as a representative of the Committee, would be more than pleased to hear any supported arguments regarding what classes the Core should or should not include. As I rant and rave, I'm going to ask a few more favors from the population here in general.

It appears that, once again, whether freshmen should be on pass/fail will be a hot topic. Opinions, both for and against giving freshmen another term of pass/fail, would be highly appreciated. Keep in mind we can never get too many points of view from everybody out there.

It appears that, once again, whether freshmen should be on pass/fail will be a hot topic.

FOR THE FRESHMEN, THIS IS IMPORTANT: all of you have just gone through a series of placement tests, a series of tests that have decided which classes you're going to take for the next year. If you feel that the material in the course which you have been scheduled to take is not on the right level (either too easy or hard), go talk to either the professor who teaches the class you are supposed to take, or the professor who teaches the class you feel you should be taking.

Don't feel shy about asking for additional advanced placement. For example, it was not general knowledge last year that direct placement into Ph12 (Soph. Physics) was available.

Also, it would help next

year's frosh if the freshmen among you now would tell us what you think about the entire placement process, including how helpful each of the departments are with individual placement.

There are many ways to present your ideas to the Committee and to the community in general. Among the more efficient are 1. contacting a student member of the Committee (listed and described on page 49 of the *little t*), 2. contacting Dr. Harvey Newman, a faculty member of the committee, or 3. (the following is an unpaid advertisement) "Write for the Tech!"

Regardless, keep in mind that the Academic Policies and Curriculum (and the administration in general) can only improve the curriculum with the community's input and support.

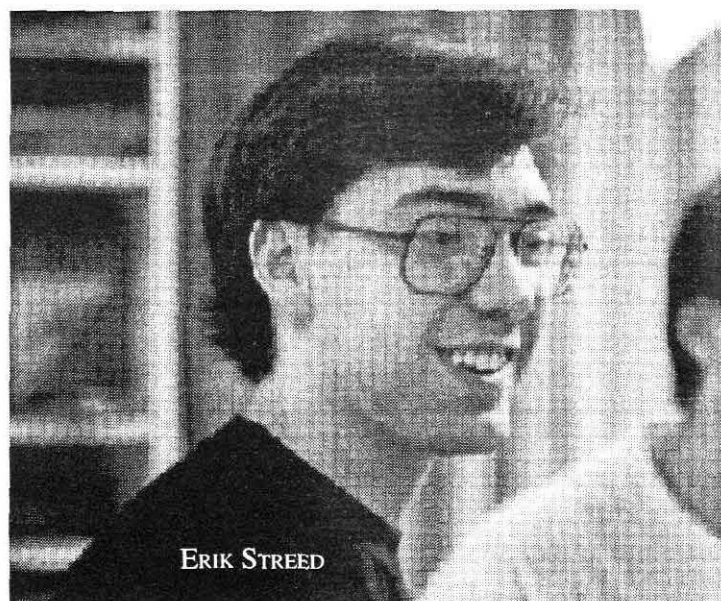
ABRAHAM KUO
SOPHOMORE

Caltech security shows competence, professionalism

Dear Editors,
On a Wednesday evening two weeks ago, while waiting to cross California Blvd at Wilson, I witnessed a head-on collision in the middle of the intersection. After the cars ground to a stop I ran across the street to see if anyone was hurt and needed help, and I must have arrived not more than 10 or 15 seconds after the accident. To my amazement I found a Caltech Security officer already on the scene, taking charge and calling for help on his radio. In just a few minutes, more Caltech security arrived, two Pasadena firetrucks, and the Pasadena police. Luckily, there were no bad injuries, but the overall response was totally

EDITORS' BOX

IF NOT FOR YOUR SAKE, THEN FOR HIS



ERIK STREED

IT'S A HARSH WORLD OUT THERE, AND IT ISN'T GETTING ANY BETTER. YOU CAN HELP. YOU CAN WRITE FOR THE TECH

We need writers, photographers, editors, artists, and belly dancers. Whatever your talent, we have a place for you. Just come to our meeting today at noon in the Coffeehouse or send e-mail to Autumn and Erik at editors@tech.caltech.edu.

Tech editor resigns

My role for the Tech has been reduced greatly over the course of the summer to an amount now that would not be difficult to fill with frosh power. For my personal life it would be a great freedom to not have to work for the Tech, especially considering that I need a great deal of time to put into studies. I hereby resign any position or office I hold for the Tech.

Ryan Cox

Dear Editors,

Last year saw the implementation of drastic changes to the Core Curriculum, mostly involving the introduction of compressed "traditional" core classes such as Sophomore Mathematics and Sophomore Physics, and the new "introductory" courses mainly designed to give students a taste of the variety of courses offered here at Tech.

This was all good and happy on paper, but the unofficial student response appears not to be quite as rosy.

While comments made and heard in passing about classes are helpful indicators about student opinions, they are hardly enough to persuade departments not to introduce their majors to a captive audience by making one of their classes "Core Curriculum."

It is particularly necessary that we receive input from upperclassmen (especially sophomores) regarding the newly changed/introduced classes so we can help avoid the same pitfalls next year. The input of

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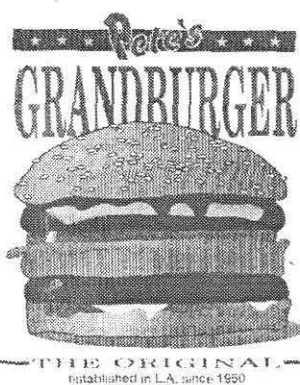
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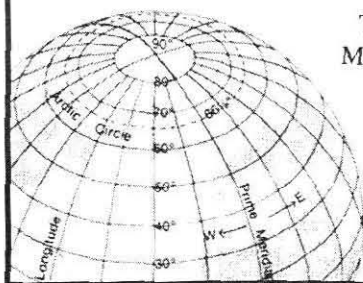


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The Outside World

by Myfanwy Callahan

BANJA LUKA, BOSNIA AND HERZEGOVINA - NATO peacekeepers seized four television transmitters preventing Radovan Karadzic, Bosnian Serb leader, from broadcasting. His party's TV station had refused to end attacks against international organizations working in Bosnia.

BELGRADE, SERBIA - President Slobodan Milosevic of Yugoslavia ousted Zoran Djindjic, a popular protest leader, from his position of Mayor of Belgrade. Thousands of protesters took to the streets and were beaten back by riot police. In another protest of about 20,000 people near Pristina, students demanded a return to Albanian language education.

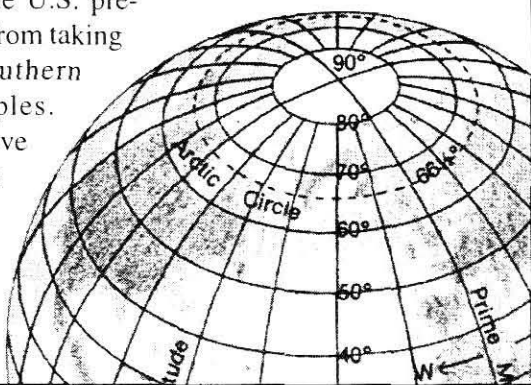
NEW DELHI, INDIA - Six bombs

exploded Wednesday on a passenger train near New Delhi, killing two and wounding at least 65 people. Three more bombs exploded on another passenger train as it neared Ghaziabad, killing two and wounding 38.

PARIS, FRANCE - France declined the offer to appoint French officials to NATO's military command structure after its reorganization at the end of the year. Officials stated that they would not return while the U.S. prevented Europeans from taking the important Southern Command of Naples. French officials have been absent from NATO's military command structure since 1966, when Charles de Gaulle pulled

them out due to what he termed American domination of the organization.

WASHINGTON D.C. - The House voted to deny visas to Chinese officials who violate human rights. This directly challenges the Clinton Administration's stance on China as Clinton prepares for President Jiang Zemin's imminent visit. This visit will mark the first by a Chinese leader in a dozen years.



1997 CALTECH BIOLOGY FORUM

The Quest for a Cure: AIDS Research at the Millennium

October 8, 1997, 7:30 p.m., Beckman Auditorium

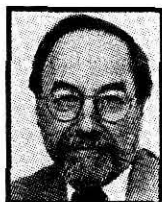
AIDS research has reached a critical stage. Recent scientific developments, including new and more powerful drugs such as the AIDS "cocktail," and the establishment of a national commission to create an AIDS vaccine have signaled a new age in AIDS research. In 1996, for the first time in the history of the epidemic in America, fewer people with AIDS died than had died in the previous year; however, the number of new diagnoses did not decrease. The fourth annual Caltech Biology Forum will focus on the latest developments and challenges in AIDS research, and an eminent panel will present views of the future of scientific investigations on the disease.

The Public is invited to attend.
Seating is limited.
Reserve your ticket by calling
626/395-4652
Attendance is free.



A project of the
Division of Biology and the
Office of Institute Relations at the
California Institute of Technology

Who:



DAVID BALTIMORE, PH.D.
President-Elect, California Institute of Technology
Chair, National Institutes of Health AIDS Vaccine Research Committee
Nobel Laureate



BRENDA R. FREIBERG
Vice President and Treasurer
Foundation for AIDS & Immune Research
Recipient, 1997 Extraordinary Voice Award from Mothers' Voices



DAVID HO, M.D.
Scientific Director, Aaron Diamond AIDS Research Center, Rockefeller University
Professor and physician, Rockefeller University
1996 Time Magazine Man of the Year



MEL SIMON, PH.D.
Chair, Division of Biology
Anne P. and Benjamin F. Biaggini
Professor of Biological Sciences
California Institute of Technology



Moderator
SANDRA L. THURMAN
Director, Office of National AIDS Policy
Member, Presidential Advisory Council on HIV/AIDS

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Y news

by Karen Bletzer

The Caltech Y is a campus organization that tries to meet the unmet needs of the Caltech community through cultural, recreational, and volunteer opportunities. Anyone of the Caltech community is welcome to join the Y Excomm, the student committee that plans events and makes decisions about the goals and priorities of the Y. The Y Excomm is always looking for new ideas and fresh faces. Weekly meetings are held Monday at noon in the Y Lounge, which adjoins the Y office upstairs in the Winnett Student Center. The Y is committed to creating a space where students can create and implement their own projects and ideas, developing their

leadership skills while interacting with the Caltech community. The Y works with other campus clubs and organizations and has been an integral part of planning International Day, Martin Luther King Jr. Commemoration, noon concerts, and Earth Day. The Y also plans recreational events including Decompression, Broomball, weekly mountain bike trips, and the Y Hike.

With over forty participants this year's Y Hike was again a success. Weather conditions in the Devil's Postpile area were cooler than in past years and included snow and rain. Hikers, many of whom had never been on an extended backpacking trip, enjoyed the scenery and the chance to meet new people. More experienced hikers had the opportunity to test themselves against Mother Nature, who challenged some groups with a visit by hungry bears.

As the term gears up the community service arm of the Y is getting ready to provide the commu-

CONTINUED ON PAGE 5

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FRIDAY
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SATURDAY
1:00 p.m. - 2:00 a.m.

SUNDAY
1:00 p.m. - 12:00 Midnight

AVERY GRILL

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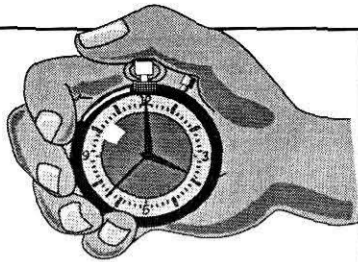
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Excomm Minutes

25 SEPTEMBER 1997



Present: Kohl Gill (ASCIT President), and most of the ExComm; Myfanwy Callahan (chair), Brandon VandeBrake (Secretary), Joe Carroll, Steve VanHooser, Mic Westcoat

Purpose of meeting: Maria quit and ASCIT needs a new VP/BoC chair

Meeting opens at 21:11:30

Alex Ihler is nominated and unanimously named interim VP as per Article VIII, Section 9 of the ASCIT bylaws. Nominations to fill the vacancy should go up by Monday, October 6.

Official business finished at 21:12:15

The ExComm talks about random election issues for the next few minutes and arrives at a few suggestions for bylaw changes.

1. The election chair should be able to place voting boxes in Avery and other non-house affiliated undergraduate housing (at his/her discretion).

2. The 5 p.m. Tuesday time for closing of nominations for ASCIT elections (as specified in Article VIII, Section 1) does not allow enough time for statements to be turned in to the Tech by their deadline. We recommend changing this time in order to facilitate the timely publishing of such statements.

Meeting adjourned at 21:23:45

Respectfully submitted,

BRANDON J. VANDEBRAKE

ASCIT ExComm Secretary



Crime and Incident Beat

by Anna Sims

Sept. 17, 1997

Suspicious Person

At approximately 9:30 p.m. security officers responded to a report of unknown persons on the roof of Beckman Auditorium. After investigating the report, it was determined that the persons were undergraduate students. The students were escorted off the roof and their names were reported to the proper authorities.

Sept. 17, 1997

Theft

The victim parked her vehicle in the West Wilson lot, near

space 107, at 8:00 a.m. Upon returning to the vehicle at 5:00 p.m., she discovered an emblem, (the letter H), which was attached to the hood of her vehicle, missing.

Sept. 21, 1997

False Alarm

At approximately 3:00 p.m., security officers responded to an intrusion alarm in Parson's Gates. After investigating the alarm, it was determined that the alarm was activated by staff personnel.

Sept. 21, 1997

False Alarm

At approximately 1:36 p.m. security officers responded to an intrusion alarm from in the Robinson Laboratory. After investigating the alarm, it was determined that the alarm was activated by a student.

Sept. 21, 1997

Unknown Smell

At approx. 11:00 p.m. security officers responded to a report of an unknown smell and unknown sounds, coming from a Lab in Spalding. The Fire Department was notified and the building evaluated. It was subsequently determined that the smell and the sounds were coming from a faulty air hose.

Sept. 24, 1997

Unauthorized Activity on Campus

Security officers responded to a report of individuals rollerblading on the east side of Beckman Behavior Biology Lab. The suspects, 2 male youths, were contacted on the north side of Noyes and escorted off campus.

Sept. 27, 1997

Attempted Bike Theft

Victim was leaving his lab at 2:10 a.m. when he saw two males tampering with his bike. When the suspects were asked what were they doing with the bike, the suspects began to run. Victim contacted security. Security apprehended the suspect on the west side of Guggenheim Pasadena Police Department was notified.

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PhD First Round Interviews: January 6, 1998

PhD Final Round Interviews: January 1998

Graduating Seniors

Associate Resume Deadline: December 5, 1997

Associate First Round Interviews: January 14, 1998

Associate Second Round Interviews: February 17, 1998

Associate Final Round Interviews: March 1998

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Y NEWS

CONTINUED FROM PAGE 3

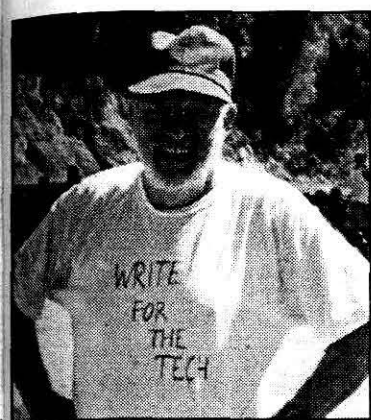
nity with enthusiastic and committed volunteers. Programs that students can get involved with including on campus and off-campus tutoring, trail maintenance, Habitat for Humanity, and activities that help the Pasadena AIDS Service Center such as Project Angel Food, Posada and Spokes for Hope. Students can either volunteer, or earn work-study money through the community service program.

For more information about anything mentioned in this column please contact the Caltech Y by stopping by the office or by calling extension 6163.

Dean's Corner

Nip the Bud

by Jean-Paul Revel



It has already been a week since we are back from Camp to Campus. As we were getting organized to leave for Catalina, I informed all participants that Camp was dry. This was greeted by grousing and whining, a reflex humorous response, but the tragic death earlier this week of Scott Krueger, a frosh at MIT brings me to talk about drinking on (and off) Campus.

As Dean I am a little smug in the knowledge that Caltech is supposedly one of the worst party schools in the nation. But then an Editorial in MIT's *Tech* states "It is often said that underage drinking at MIT is minimal compared to drinking at other schools,"¹ so we obviously need to pay attention, lest hubris lead us down the cellular path. It may not be macho to be a poor party school, to have to admit that we are not best at everything we do. Contrary to the mudgeon that I am however, I'll argue that the best in this instance is being "the worst."

The success of a party does not depend on the amount of alcohol that is being consumed. I think a good party has more to do with daring to be oneself and sharing adventures and stories and feelings and dancing. That there is enjoyment and pleasure associated with drinking just as there is with food is undeniable. The problem is that it is a drug which seduces and captures unless kept in check. But drinking is not always about pleasure. I was introduced to drink in a lab (not at Caltech) where drinking was part of the effect. One was a weakling if one did not drink. What was valued was "how well one kept one's liquor." The important thing was to drink and not show the effects of it. Odd, isn't it? Why drink at all then? I want to see it recognized that what counts is not how well we hold the drink, but how well we hold out against it...

"That such an accident could occur at MIT should serve as a warning to the entire community that the Institute has a serious, systemic problem that needs an equally serious remedy." Let us hope that we at Caltech are never in the situation in which MIT finds itself. Let's look for prophylactic measures rather than remedies. Let us not be complacent and self congratulatory, and keep in mind that we too could blunder into a similar accident. The loss of even one student is too

high a price to pay for any number of parties.

A good source of information about the effect of alcohol and other drugs is to be found on the web.²

What can one really say about overdrinking? That it is a self defeating thing to do, a self deceiving attempt at showing that one is grown up. Even adults unfortunately suffer. Maybe having Techers trained as bartenders will help to control intake and protect people from themselves. Prohibition is not a solution, but *laissez faire* is not either. There is a hypocritical attitude that suggests that once one is of age, it is OK to drink. It is lawful to drink, but that

is not an excuse to be drunk. I wish the criterion to be used for legal drinking were not an arbitrary age, but a thorough understanding of the risks involved. Maybe a revocable drinker's license. Each of us imagines that drinking is a personal choice and that our personal actions don't affect any one else. That is not true, none of us can live in a vacuum. There are consequences for drinking in excess, even if they don't involve the death of a friend, of an acquaintance, or someone like Krueger, whom we did not know at all.

A National Study by a team from the Harvard School of Public Health³ shows that there is in fact a great deal of drinking in colleges overall. 17,592 students from 140 colleges responded to the survey and 44% admitted to

have engaged in binge drinking in the 2 weeks preceding the survey. (Binge drinking was defined as 4 or more drinks in a row for women and 5 or more for men.) (Note that Krueger's blood alcohol was consistent with his having consumed 16 drinks!). The survey notes that "contrary to conventional wisdom, the percentage of students who were binge drinking was nearly uniform from Freshman through Senior year despite the fact that students under 21 are subject to the minimum drinking age law". While more than half the students seem to be responsible in their drinking, only 0.6% of the binge drinkers believed that they had a problem. Yet drinking leads to lots of classes missed (about 45% of drinkers) and getting behind in school work (by about 33% of bingers), all for the pleasure of having a hangover (80%). I don't count the loss of neurons, or the effect on the drinker's liver. A pleasure you say? In the words of one anonymous respondent to the survey: "I was having a great night. I drank at least 15 beers, and then I com-

pletely blacked out..." That sure seems the way to have pleasure. A sure way to beat shyness and insecurity. I guess nothing matters anymore, except the hope that one does not aspirate one's own vomit and asphyxiate (a common way to drink and die). Yuck!! Please note too that drinking till one passes out is not even the way to prove that one can hold one's liquor.

So let's show MIT and all those other schools that we really have the smarts, that we know the advantages of moderation and know enough biology to understand something about addiction, be it psychological or physiological dependence. Please let this be truly an *bientôt*, a wish that we will see each other again soon and have a lively conversation instead of poking fun at each other for our drunken incoherence or lack of coordination.

1. <http://the-tech.mit.edu/issueof9/30/97>

2. <http://web.bu.edu/COHIS/subsabse/subsabse.htm>

3. <http://www.edc.org/hec/pubs/binge.htm>

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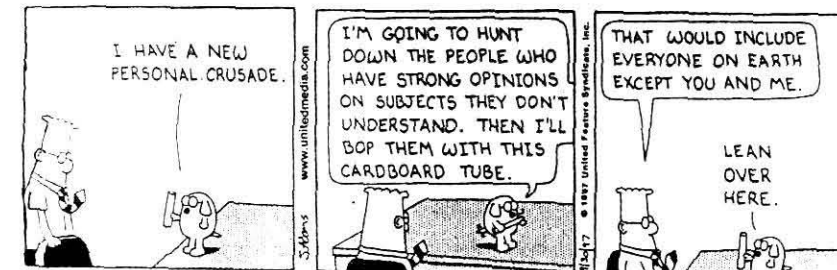
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Top 10 Reasons for joining the Career Day Committee

10
9
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2
1

- 10 Have an impact on Career Day activities.
- 9 Develop organizational and teamwork skills.
- 8 It's something to put on your resume.
- 7 Get a jump start on your job search.
- 6 Develop personal relationships with company recruiters.
- 5 Free Food.
- 4 Free T-shirt.
- 3 Gain competitive edge over your classmates.
- 2 Drive an electric cart around campus.
- 1 Get lots of cool freebies.

THE WATSON FELLOWSHIPS October 13 Deadline

REMINDER TO INTERESTED SENIORS: A two to six page project proposal draft for the Watson Fellowship is due in the Fellowships Advising Office, Room 25 of the SAC, on **MONDAY, October 13, 1997 at 12 Noon.** Keep in mind that successful proposals generally have a topic of study or investigation that reflects a student's well-developed interest in that area (samples available in our office). Students should discuss the study plan and indicate how you will carry out the project, what skills you have that will enable you to undertake such a project, how it fits in with your longer term plans, and why this project is important to you.

The Watson Foundation provides fellowships of \$18,000 for a year of independent study and travel after graduation. The Watson is designed to encourage an informal break in the normal sequence of undergraduate-postgraduate education and is a marvelous opportunity to travel outside of North America. Caltech nominates 2 seniors each year for this fellowship.

Undergrads, Graduates and Postdocs!

The CDC is looking for a few creative students with organizational and solution-finding abilities to assist with the planning of Career Day on February 19, 1998. Members will commit to attend approximately one meeting a month prior to Career Day, and serve as hosts for company reps on Career Day. If you are interested or would like additional information please contact Amy Malak at ext. 6361 or amym@cco.caltech.edu.

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ADAM VILLANI: MEDIA GUY



"ER" Live



I don't spend much time watching TV, but if I do catch an hour of prime-time, "ER" is usually a reliable source for drama, entertainment, and good characters. Unfortunately, when the producers of the show decided to run the season premiere live last week, they forgot to pay much attention to the program's best attribute, the writing. Instead, we had the gimmicky device of the episode being filmed by a documentary crew, which was just used for some cheap camera stunts, boring talking-heads shots, and cliched "get that camera out of my face" scenes with minimal character development. Technically, it went off without a hitch, and there were a couple of memorial scenes (like the hallway brawl), but overall this episode worked more as a refresher or introduction to the show rather than compelling drama.

Organic '97: September 20 at the National Orange Show

While Organic '97 was nowhere near the success of the previous year's groundbreaking electronic music showcase, you'd be a fool to expect anything near the experience of Organic '96, which featured The Orb, Orbital, The Chemical Brothers, and Underworld in an all-night mountain setting, from this year's hastily-organized set, with only Aphex Twin, Crystal Method, and the Sneaker Pimps headlining a show relocated to the drab National Orange Show in San Bernardino. But the biggest mistake whoever was in charge made was thinking that techno-influenced rock bands like Guadaalup, Faithless, and the aforementioned Sneaker Pimps would work in a pseudo-rave setting. Indeed, aside from the decent if uninspiring Pimps, it's doubtful the rock-electronica hybrid music would work in any setting, for the hybridization process seems to have the uncanny effect of draining the energy from both styles.

Faced with the lack of compelling music being produced live, I spent a lot of time at the auxiliary stages dancing to DJs spinning trance and drum-and-bass music without feeling the need to sully the experience by picking up a guitar. When Aphex Twin's Richard James took to the stage, he destroyed pop music as we know it not only by his experimental electronic sonic creations, but by eschewing conventions by performing in darkness sitting on the floor nearly out of sight while psychedelic faceless neon teddy bears frolicked on stage. This astonishing spectacle was undoubtedly the high point of the evening.

Las Vegas' all-electronic Crystal Method's hometown flair for showmanship certainly made up for their lack of originality. Their high-energy non-stop set may have given some of us tinnitus for a few days, but at least they got a pavilion-full of kids moving hard enough for an hour to probably lose a good five pounds each.

L.A. Confidential

Don't let the cheesy ads fool you; director Curtis Hanson's gripping adaptation of James Ellroy's noir thriller is one of the best-written, solidly acted pieces of entertainment to come out of Hollywood in quite some time. Ellroy's story of cops, Hollywood, drugs, prostitution, racial tension, and tabloid reporting goes through a zillion twists yet never goes out of control in Hanson's deft hands. The excellent cast includes Australians Russell Crowe (*Romper Stomper*) and Guy Pearce (*Priscilla, Queen of the Desert*) invisibly tackling American accents while Kevin Spacey, David Strathairn, Danny DeVito, and James Cromwell (*Babe*) are exemplary as always. See this movie.

Ron's Music Survey

I don't know how my colleague Ron Dollette expects to get a reasonable sample size, but since I'm a sucker for countdowns, I'll submit ten of my favorite songs (at least for this week...):

10. "Big Time Sensuality" — Björk
9. "Atmospheres" — György Ligeti
8. "Tomorrow Never Knows" — The Beatles
7. "Cars" — Gary Numan
6. "Halcyon + On + On" — Orbital
5. "Tanz Debil" — Einstürzende Neubauten
4. "Born Slippy" — Underworld
3. "Music for 18 Musicians" — Steve Reich
2. "The Grid" (from *Koyaanisqatsi*) — Philip Glass
1. "Temptation" — New Order

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Dress - informal. Atmosphere - relaxed. You are welcome to bring your resume or C.V. to the presentation or submit it at a later date. For additional information, please contact Patricia Fitzsimons at 800-221-1026, ext. 7912.

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WELCOME LESBIAN, BI, AND GAY STUDENTS

There are a number of resources and events here at Caltech that will help you adjust to your new community and home. Being new anywhere can be a challenge, and being new and gay, lesbian, or bi can be especially tough at times. If you don't know already, Caltech includes sexual orientation in its non-discrimination statement, and same-sex partners can receive similar benefits to married staff and students. In general, you will find Caltech a safe and accepting environment.

Because National Coming Out Day is October 11th, members of the Caltech LesBiGay Union (CLU), as well as members of Caltech and JPL's faculty and staff, have placed their names on our OutList, which is now on CLU's Web Page at <http://www.cco.caltech.edu/~clu/>. At this site, you will also find a description of resources here at Caltech, in Pasadena, and in the Greater L.A. Area, as well as links to interesting and helpful sites.

Probably the best way to meet other GLB folks is to attend the Gay/Lesbian/Bisexual Discussion Group, which meets the first and third Tuesdays of each month at 7:30 in the Health Center lounge. As our announcement in the GSC Newsletter and Tech says, "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 topics range from personal stories and concerns to movie reviews and discussions of political events and popular culture—and we serve great refreshments.

This year, beginning in October, we are starting a monthly SPEAKER SERIES, which will present Caltech faculty and staff and other gay scientists. They will speak personally about the impact of their sexual orientation on their careers, and about their own coming out experience. It will be a great opportunity for students to interact with GLB faculty and staff in a more personal way. For the Fall term, the speakers will be:

- 10/7—Dr. Kerry Sieh, Professor of Geology, who came out in newspapers around the world.
11/4—Dr. Kate Hutton, Staff Seismologist, also known throughout the country as "the calm earthquake lady."
12/2—Dr. Simon LeVay, neuro-anatomist, formerly of the Salk Institute and now with L.A.'s Institute of Gay and Lesbian Education, and author of *The Sexual Brain*, and *Queer Science: The Use and Abuse of Research into Homosexuality*, among others.

Please join us for all of the Discussion Group meetings, and, again, WELCOME TO CALTECH. For further information, please call Jon at ext. 8331.

WINNETT: Bookstore expansion may bring computers, comic books

CONTINUED FROM PAGE 1

The largest change in the bookstore will be an expanded selection of technical books available for research purposes as well as for student reading. The Caltech authors section will also expand, and there have been suggestions of adding a sci-fi or comic book section. The textbook area will be much less cluttered than it currently is, and there are tentative plans to sell international newspapers such as *The London Times* and *The Hong Kong Journal*.

The most innovative addition to the Bookstore is a proposed computer

sales and repair department, to be moved over from CCO. Mannion expects to contract with particular manufacturers (the chairs of NEC and Compaq are on the Caltech Board of Trustees, for example), and to offer much faster service than CCO has been able to manage in the past, with a goal of next-day delivery. There will be some educational discounts, especially on software, and Mannion expects to make very little marginal profit, just as CCO has done.

Other agencies that may soon move to Keck House include Student Affairs, consolidating its operations which are currently somewhat spread over campus; and the International Students Office, which would like to obtain more space and alleviate the tension that exists between it and Lloyd House, in whose building the ISO is currently located.

Reaction to the project has been generally positive. Jack Roberts, the Institute Professor of Chemistry, Emeritus, and former Provost, notes, "There are a lot of good features. The Bookstore is often too crowded, and I like the idea of expanding the Red Door. However, I'm not sure if it's a good idea to move the Y as far away as Keck House."

Mannion, however, notes that with the campus's center of gravity moving north, especially with the construction of Avery House, Keck House is still a central location, and it is also much closer to convenient parking.

Chris Sundburg, the Director of Student Activities for the Caltech Y, realizes that some

adjustment will be necessary: "Change is always hard, but overall I think it will be a good thing for the Y. We may have to move some activities such as Decompression over to Keck, because that will be where the materials will be stored, but we don't know how that will work yet. Tom Mannion has said that

he would be more than happy to let us use the electric carts to transport materials to Winnett when we need to."

Bookstore employee Adrian Foushee comments, "I'm looking forward to it. Right now we have a very small volume of books that pro-

fessors want for their research, especially in math and physics. It will be nice to have the expanded room to stock them."

Fellow employee Angelica Ibarra adds, "It will be nice to have more of what people actually want, even computers and stuff, in one central area." Red Door employees are similarly excited about their larger facility.

Kim West, the Director of Residence Life, comments, "We are getting some nice space, and I don't think the distance will be a problem; it's not really that far. My understanding, though, is that the process of moving could take as much as 10 to 12 months, with multiple moves involved. The end result will be great, but the process of getting there will be very unsettling for both the Y and Residence Life, and will probably be disruptive to our services to the students."

Gary Lorden is seeking further student input regarding the future use of Winnett Center. He will be forming a Winnett committee; send e-mail to him at gary_lorden@starbase1 for more information.

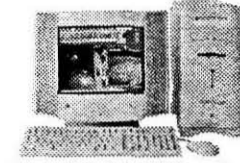
Tom Mannion will also be discussing the issue with student leaders, so students with opinions should talk to someone on the ASCIT BOD or the IHC.

"I just hope that we're building exactly what the students want," concludes Mannion. "This isn't something that I dreamt up on my own; lots of great ideas have been coming in. It's important that we keep getting input. Hopefully these changes will meet the campus' needs, and be flexible to its needs in the future."

"...I'm not sure if it's a good idea to move the Y as far away as Keck House."

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Wednesday October 8, 1997
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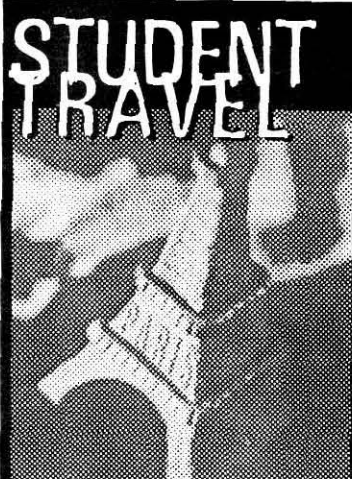
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IT roles in global investment banking

No-one should underestimate what it will take to become one of the dominant players in the global investment banking market of the 21st century.

No-one should underestimate the absolute seriousness with which we're setting out to achieve that goal.

Our strategy hinges on pushing the power of information technology out from our domain into that of our customers – giving our clients tools with which to make decisions on their overall risk management. Such an approach will lower the total cost of using derivatives in advanced strategies by bringing to bear the power of mathematics and leading edge technology.

We have total commitment from the bank's most senior people, backed by massive investment – but they will be seeking early evidence of significant progress.

We have a mandate to think the unthinkable, subject only to the guiding principle of adding substantial, visible value.

Our IT team has a new nucleus of exceptionally talented individuals who already have an unrivalled reputation in developing radical banking IT solutions. They urgently seek new colleagues – based in London or in other financial centres across the world – who want to make their own reputations. People who are top-flight graduates and whose IT careers to date have already demonstrated the potential for outstanding achievement. Specifically, we need people who are already highly proficient in any of these areas –

or who could quickly become so in a company where training and development is high on everyone's agenda.

Fully distributed global OO systems

Electronic commerce

Leading-edge risk management approaches

Advanced mathematics

Visual Studio, C++, ActiveX, Java, DCOM, CORBA, IIOP, Orbix, Versant.

For a programme of such far-reaching, fundamental change, technical competence – even brilliance – is not enough. Because with our new focus on the ultimate customer, you need to be credible with top client management, and to make your proposals and ideas as clear to them as they are to you. You also need an exceptional and original intellect, the stamina to thrive on punishing workloads, and the desire to do things with new technology that have not been done before.

Software engineers, applications developers, systems architects – whatever you aim to be and whatever salary expectation you may have, we expect to better it.

Send your c.v., quoting ref: CT/01, to Saralie Nelson, Kleinwort Benson Limited, London. Fax: +44 (0) 171 956 8464. e-mail: nelsons@kben.co.uk

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Thursday, October 9, 1997

4:00 pm

Watson

Room 104

Our clientele is made up of institutions of global stature who are facing the challenges of transformational change, and emerging entities who seek to be the leading institutions of the future.

We welcome expressions of interest from all Ph.D. candidates from all disciplines interested in any of our global offices.

First Round Interviews: Friday, October 10, 1997

Please contact Carol Labi, our recruiting manager, 212-372-9100

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Announcements

* The **Student Affairs Van** is now available to students and Student Affairs staff for Institute purposes only. Contact the Dean of Students Office, 102 Parsons-Gates, for more information. Prospective drivers will need a driving and DMV check are required before you can use the van.

CIT Guitar Classes for the fall quarter will meet on Tuesdays starting October 7th in SAC 1. Beginning, intermediate, and advanced classes are available. Classes are free for Caltech Students and other members of the Caltech community (space permitting) and undergrads may receive three units of course credit. For more information contact Darryl Denning at (213) 465-0881 or dldenning@cco.

* The **Caltech Women's Glee Club** will be accepting new members through Wednesday, October 8. All members of the Caltech Community are invited to join. PA 30 credit and free weekly voice lessons are available. If you missed the sign-ups last weekend, just show up in SAC 1 on Monday night at 7:15 p.m. or Wednesday at 4:45 p.m., or call the Women's Glee Club office at x6260. For more information visit our web site at <http://www.cco.caltech.edu/~musicpgm/mhubbard/glee.html>

* **Caltech Ballroom Dance Club** will be offering free **Beginner Tango** classes will be taught by Derrick Bass every Tuesday this October. An instructor from Let's Dance LA will be teaching Beginner/Intermediate **West Coast Swing** classes every Thursday till November 6. Costs \$25 for the five weeks. Times are 7:30 p.m. to 9 p.m. with refreshments and open dance time following each session. Please keep an eye on our posters and/or check out our webpages: <http://www.caltech.edu/~ballroom/>

* Their will be a **Science, Ethics, and Public Policy** seminar this Thursday October 9th at 4 p.m. in the Judy Library, Baxter Hall on **Freud's Interdisciplinary Fiasco** will be presented by Professor Patricia Kitcher, Chair of UCSD's Department of Philosophy. Seminars are open to the community and refreshments will be served afterwards. For further information, contact Maggie York at york@hss.caltech.edu or (626) 395-4087.

The **Coffeehouse** is looking for waiters. We are open M-F from 9pm to 2am and Sat/Sun from 8pm to 2am. Work Study students preferred. Please contact Gina Armas by email to apply, gina@cco.

Mints

* denotes a new announcement.

Events

Hal Holbrook will be performing Mark Twain at Beckman Auditorium, on October 4th, at 8:00pm. Holbrook becomes Twain, recreating his easy-going, no-nonsense style with ruminations on a variety of topics. These may include "Compliments Collection," "My Encounter With an Interviewer," "Accident Insurance," "Decay in the Art of Lying," and "Insanity: Spreading?" Tickets are \$35, \$32, and \$29. Student rush tickets will go on sale for \$10 beginning 30 minutes before the performance (subject to availability). For more information contact x4652.

Why Is Sex Fun? Sunday October 5th at 2 p.m. in Baxter Lecture Hall. Dr. Jared Diamond, professor of Physiology at UCLA Medical School, presents his new book. Sponsored by the Skeptics Society. Free for Caltech/JPL community.

Lagerstrom Chamber Music Concerts will perform with violinist, **Elizabeth Blumenstock**, and harpsichordist,

Elaine Thornburgh in Dabney Lounge on October 5th, at 3:30pm. For more information contact x4652.

* The **Caltech Folk Music Society** will present the Irish group **Danu** in concert in Dabney Lounge, on October 5th, at 7:30pm. Danu consists of seven members from Dublin and Waterford, Ireland, who play accordian, fiddle, uilleann pipes, bodhran, flute, bouzouki, and guitar. Tickets are \$12 for non-Caltech people, and \$4 for Caltech students. For more information contact x4652.

The **Distinguished Speaker Series** of Southern California is moving into its second season. The events will be held at the Pasadena Civic Auditorium on eight different dates at 8:00pm. On November 6th, Ann Richards, the 45th governor of Texas, will be the first speaker, followed by Tommy Lasorda on December 11th, Colin Powell on January 21st, 1998, Dominick Dunne on February 26th, Elizabeth Dole on March 12th, Jean-Michael Cousteau on April 8th, and Maya Angelou on May 13th and June 10th. For more information contact (800) 508-9301.

Fellowships and Scholarships

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

Applications for the **Hertz Graduate Fellowship** are now available. Applicants must have a 3.75 GPA during the last two years of undergraduate study and must be U.S. citizens or permanent residents. Eligible applicants (includes graduating seniors and all graduate students) should pick up an application packet from the Fellowships Advising Office. Although the Hertz application can be downloaded from the Web, applicants must submit paper references and submit the completed application on a special diskette. The application deadline is October 24, 1997.

Graduate fellowship for Women and Minorities in the Physical Sciences, the National Physical Sciences Consortium offers awards to graduating seniors who are

female or a member of a minority group for Ph.D. level study in Astronomy, Chemistry, Computer Science, Geology, Material Science, Mathematical Sciences, Physics and subdisciplines of these fields. Email npsc@nmsu.edu or call (800) 952-4118 to request an application which are provided in diskette format.

Attention to seniors and **1st year grad students** studying biology or related areas: The **Howard Hughes Predoctoral Fellowships** in Biological Sciences have a November 12 application deadline. Complete applications and instructions can be found on the web at <http://fellowships.nas.edu>.

Churchill Fellowships, graduating seniors with at least a 3.6 GPA should consider applying for the Churchill fellowship which provides a year of graduate study at Churchill College, Cambridge University. Students are able to earn a degree, certificate or diploma during their tenure at Cambridge. Applicants can come from any area of engineering, mathematics, physical, or natural sciences. The award covers tuition, fees and a living allowance. A travel grant is also available to cover airfare to England. Applicants must submit a two to four page essay that includes a brief autobiography, a account of your interest in science or engineering, your reasons for applying for the Churchill and studying in Britain for an academic year, the field you would like to study there, and a few words about your career or graduate school plans.

There will be a **fall fellowships meeting** on Thursday, October 9th at 12pm in Winnett Club Room 1. NSF, DOD, Churchill, Hughes, and others will be discussed and applications will be distributed. Lunch will be provided, so RSVP to fellowships@starbase1.caltech.edu and put Fellowships Meeting RSVP in the subject line.

NSF Graduate Fellowships, paper applications are available from the Fellowships Advising Office in Room 25 in the SAC. You can also access, complete, and submit applications through the Web. The NSF FastLane Graduate Fellowship Program's web page is located at <http://www.fastlane.nsf.gov>. Both the paper and FastLane system include the Women in Engineering and Computer and Information Science Awards. Note that U.S. citizenship or permanent residence status are required. The application deadline is November 6th 1997.

Note that on all the fellowships listed below you can get help with your essays or clarification of questions from our office. For info, please contact Lauren Stolper at lauren_stolper@starbase1.caltech.edu. To schedule an appointment contact x2150.

Want it? Make it happen!

INFORMATION SESSION

Tuesday, October 14, 1997
4:00 - 6:00 pm
Student Activity Center, Room 13

Desire. Intellect. Drive. These are the qualities that will determine your place in the 21st century.

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This power is harnessed and built into software and systems applications through our Data Services (GTEDS) division. Come to our Information Session to learn about the full-time career opportunities - as well as internships and co-ops - that will put you at the controls to make your career goals happen.

Our New Recruit Development programs focus on key areas within the company. Exposing you to the latest, most exciting applications of advanced technologies, like C++, Java, electronic commerce, and COBOL. And perfecting your technical skills. We are seeking the top minds in your class to participate in the following programs:

- **Systems Architect New Recruit Development** - an 18 month rotational training program that will focus your development on either data systems, application development or infrastructure computing. Graduate and/or Undergraduate degrees preferred: Computer Science, Electrical Engineering, Computer Engineering, MIS or Mathematics.
- **C/UNIX/COBOL New Recruit Development** - includes a 3 month training program that will result in placement in either the Development, Maintenance, Testing or Customer Contact areas of GTE. Graduate and/or Undergraduate degrees preferred: Computer Science, Computer Engineering, MIS, CIS or Math.
- **Information Technology Services New Recruit Development** - an 18 month rotational training program emphasizing the LAN/WAN infrastructure specific to GTE. Graduate and/or Undergraduate degrees preferred: Computer Science, Electrical Engineering, Computer Engineering or MIS.
- **Direct hire opportunities** are also available.

Both Graduate and Undergraduate students are invited to our Information Session. If you are unable to stop by, please forward your resume to: College Recruitment, GTE Data Services, P.O. Box 290152, MC: B1-F, Temple Terrace, FL 33687.

We are an equal opportunity employer and support workforce diversity, M/F/D/V.

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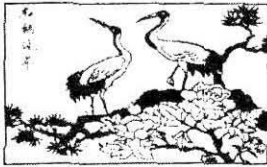
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