

Dilbert appears yet again!

see page 6



**T**

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# THE CALIFORNIA TECH

VOLUME XCVIII, NUMBER 4

PASADENA, CALIFORNIA

FRIDAY, 11 OCTOBER 1996

## Cat owners leave Avery House as "no cats" policy stands

BY SHAY CHINN AND AUTUMN LOOIJEN

Half of Avery House's cat owners left the house in the Fall roompick as students and the Avery Council continued to quibble over the "no cats" policy. At least one cat owner said that she left because the cat policy had not not been changed.

At off campus picks last year, no definite Avery House policies, rules, or guidelines had been set. The students picking into Avery knew that they would be on the TFM board program, and many assumed that Avery would bear a strong resemblance to the current undergraduate house structure of rules and government.

Kim West, Director of Residence Life, said, "[Students] were told that, like other off-campus housing, cats would not be allowed [in Avery]." The administration said that part of the reason cats were

banned was to keep the building pristine for summer conferences and other rentals. Many cat owners were surprised to find out that cats would not be allowed in the new building.

One student said the DRL office told her about the no cat policy "only three days before the move in date! Rather unacceptable allotment of time to find someone willing to take my cat. Further, one of the faculty has a golden retriever! Any pretense that it's an animal free structure is completely toast."

Kim West recently released the following information concerning cats in Avery.

"Policies likes these are frequently determined jointly by the Housing and Residence Life Offices. In keeping with that, the staff from those two offices who are working with Avery have come up with a solution that we hope will allow

the students with cats to remain in Avery. These pets will be allowed to remain in the house for the remainder of this year, as long as there owners are residents. These students are being contacted this evening and told this.

"The current off-campus cat policy still applies to Avery and other residents will be asked not to bring new cats in. We hope this rectifies the insufficient way in which we informed them of the policy. We don't want these student to leave Avery if that is where they would prefer to live. It is not, as many indicate, because we need to fill all the empty spaces there. In fact, there are only 3 current undergraduate spaces open there and a long waiting list for Avery singles. Rather, it is because these students have made a commitment to live and be involved in the house and we'd like their participation."

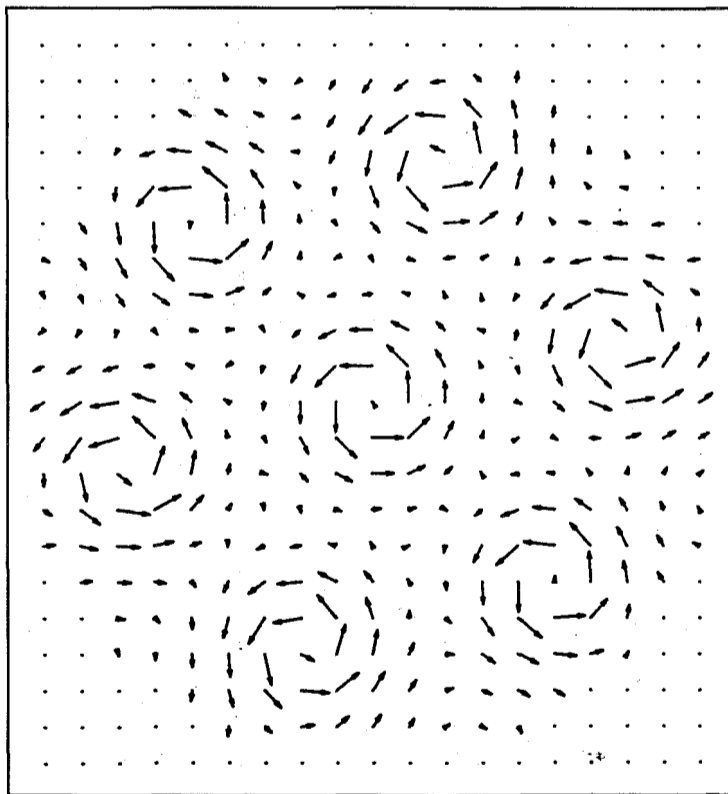


"How can you dislike cats?"

## Take Physics 11, Freshmen!

BY OLIVER DIAL

Many of the incoming frosh have already received their first taste of Ph 11 in the form of a plain, white sheet of paper labeled "Ph 11 First Hurdle." For those of you who have no idea what that would be, please consider this brief introduction, for the class is nothing if not unique and fun. This year, you will be introduced to a wide variety of tools and techniques useful for solving problems dealing with the real world. Ph 11 is a stimulating exercise in taking those tools and actually applying them to problems, while learning a few new tricks in the process. The problems looked at by Ph 11 are not exercises at the end of the chapter in a textbook, but interesting challenges that have not been met; they have not been solved, either because they are in some fringe area of physics, messy, or simply silly. In other words, if you take Ph 11, you will not be repeating other people's work, but looking for new answers to unsolved problems. Examples from the past include studies of anisotropy in the earth's core, frustration of early life by meteor bombardment, heat flow in extremely low temperature systems, a hurdle examining the value of cannibalism in supplying an interstellar voyage with food, and the tendency of mixed peanut and regular M&M's to sort themselves when rattled in a jar. For the first two terms, Ph 11 students look at problems which are hurdle-like,



As a freshman, Sebastian Maurer found Ginzburg-Landau solutions in two dimensions as part of a Ph 11 project.

sometimes serious and sometimes wacky, but more difficult and wider in scope. Before the summer starts, each student will be assigned paid research projects under the supervision of various professors on campus. Perks include the same pay as a SURF, an office in Sloan Annex, and a chance at a journal publication if the work is successful. The work is often frustrating, and seemingly likely paths to solutions often turn up little more than a headache. On the other hand, the chance to forge unusual paths and try your hand at strange problems is exciting, and the satisfaction of a successful

outcome is well worth the effort. Getting into Ph 11 can be difficult, but fun. One problem has already been passed around and a second will be put in circulation in a few weeks. These "hurdles" will be used to select some of the most creative and capable students from the frosh class to make up the group of eight or so people who will become the Ph 11 class for the upcoming year. Many people select Caltech because here, it is possible for undergraduates to work on real projects and real problems, studying the unknown instead of the known. Ph 11 is the best way to do just that.

## Green Party candidate calls for increased government regulation

BY VALERIE ANDERSON

Green Party Congressional candidate Walt Contreras Sheasby spoke at Caltech Tuesday on social and environmental issues. This was the first of a series of discussions with 27th District (that's where we are now) US House of Representatives candidates presented by the Caltech Environmental Task Force.

Sheasby and the Green Party oppose transfer of environmental regulation from the government to the private sector. They do not want issues that affect everyone decided by big busi-

ness executives, while "the workers don't get a vote". Sheasby began his speech by describing America's corporate value system. He quoted a long-term environmental scientist

*While environmental regulations, Sheasby said, can't cross the border, toluene molecules and other pollutants can.*

who said that big business feels science's main role is to "make breakfast cereal crisper and ... antibiotics more expensive." He went on to talk about the main figures in the Savings and Loan bailout and what their irresponsibility cost taxpayers. Sheasby said that businessmen had purchased 60,000 acres of northern California redwood forests. The Green

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## LETTERS TO THE EDITOR

*Student offers support for Avery Wall*

An open letter to Kim Lumbard:

I support your actions. (You must get a lot of these letters after that wonderful article.) I just finished many reconstructions of my room, adding shelves cantilevered from the walls, in addition to other things (which required drilling into the Ruddock concrete walls). I was, like you, careful not to seriously damage the house, but there are permanent holes in the walls. Because of the damage factor, I felt I

needed to speak to Housing first (which I did), but it seems that it wasn't really needed in your case, because you were careful to minimize the damage to the house. Clearly, you must take the wall down for the outside inspectors, but I feel you should be allowed to keep it afterwards.

I believe in construction and personalization of the house. I have put up constructions in the middle of my house and participated in many permanent house improvements. One of the greatest things about Caltech is the amount of allowance the administration has (historically?) given the students to exercise their

skills. I plan to replace my light switches with special ones shortly, and I feel no need to contact the administration about this, since it will not affect anybody else. At other schools, I would not have this freedom.

If the administration begins to become Draconian (and I don't think it is yet, largely because of the efforts of Housing, who is our friend), we, as students, need to work to remind the administration that the reason Caltech is so unique is because of the responsibility that the students have. As a simple fact, when less responsibility is granted to an individual or a group, that entity will act less

responsibly. Caltech students have the ability to behave themselves, and the administration should recognize this, instead of causing Caltech to become "just another" engineering/science school.

I thank you for your service to the Caltech community.  
SEAN SUCHTER

*Tech editor resigns*

I hereby resign from the editorial staff of the Tech due to a full academic load and time concerns.

SAMANTHA GIZERIAN

Please send submissions for letters to the editor to

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

## Immigration, a policy which divides us

BY JOHN HATFIELD

I recently had the privilege of leaving my home state of Missouri and traveling to California. While on my long, boring plane ride I thought about many things—classes, meeting frosh, etc. But I also thought about the fact that no longer would immigration be a philosophical issue for me.

In Missouri, it was very easy to choose the moral high ground, and state that things such as the recent Proposition 187 are wrong. As immigration was only theoretical there, one had the luxury of looking at the situation in a very disinterested way, and not having to worry about the consequences of one's arguments. There, one could point out how it was unfair to the new arrivals, since everyone either was an immigrant or had forebearers who were immigrants (and one could make a strong case that the original white settlers were "illegal immigrants").

Also, the recent immigrants usually took jobs that citizens disdained. Besides, time and time again, the great waves of immigration that have hit this country have made it stronger.

Here, however, I see everyday people whose lives are directly affected by this issue. Janitors whose jobs could be taken by illegally employed immigrants. People whose children go to schools stretched to the breaking point by the children of immigrants.

People who depend on social programs whose funding is drained by the waves of immigrants demanding welfare, health care, and schooling. These people work hard in their lives and it is unfair to see their hard-earned dollars be funneled to illegal immigrants as taxes. It is unfair for them to be victims of crimes committed by illegal immigrants.

This is the first great wave of illegal immigration, the first in which the Immigration and Naturalization Service has not had

strict control of the numbers and types of immigrants entering. The cost of these illegals is high: two billion dollars according to the General Accounting Office, in California alone, to pay for the health care, schooling, and incarceration of illegals. The sales tax we all pay at Pavilions or Ralph's helps to pay the costs of supporting these illegal immigrants.

Legal immigrants, by and large, contribute much more to society than they take away. This new illegal wave, however, does not contribute nearly as much. Taking low wage, low skill jobs, they increase the supply of unskilled workers, lowering the wages for all Americans not privileged enough to go to institutions like Caltech. No longer do we receive only the brave, hardened souls willing to risk it all. Rather, we receive those unable to find jobs in Mexico and who are then recruited to take jobs in America.

The illegals who run here learn quickly that they made a poor decision. Large corporations and agribusinesses like to take advantage of illegal immigrants.

Faced with exposure to the Immigration and Naturalization Service, they are forced to accept low wages and dismal benefits or risk deportation. Often shunned by their new communities, they lead a solitary existence, having left their families behind in Mexico.

In sum, this tide of illegal immigration is not the invigorating, strengthening influence that previous legal waves of immigration were. Rather, it is simply a pipeline of unskilled workers who increase the competition for unskilled labor jobs. This wave of illegal immigration no longer helps America or the immigrants. The immigrants are trapped in low-paying, dead end jobs at best, sweat shops at worst; the citizens of America lose tax money and services. No one wins but certain unethical businesses. It is a situation which must end.

## Frosh Orientation in need of revision

BY NEIL STEVENS

With everything at Caltech changing, from the Core to the Dean, it seems that nothing can escape the scrutiny of modern times. Frosh camp is no exception. For three days each year, all of the new students here at Caltech are shipped off, across 26 miles of water, to a little place called Camp Fox. Why? It seems that there are three reasons: to introduce the frosh to Caltech, to introduce them to each other, and to give everyone there a good time. This practice, while fun in theory, is unnecessary and problematic. Caltech and Pasadena are a new, foreign environment to most new students. During the first week or so, people need to adjust to their surroundings, take care of paperwork, and prepare to study. Instead of that, we all leave Caltech to learn about Caltech. Then, in a fairly rough camp, we are expected to focus on the business of alcohol abuse; think about an option; and learn about different cultures, safety, and the honor code. At best, this is a very difficult task. Camp Fox is a simple place, and the reactions of the stu-

dents to it are simple. One either likes to camp, and loves Fox, or dislikes camping, and hates Fox. Students in both of these situations are then expected to shuffle from one planned activity to another, focusing on the task at hand. However, those who like the camp are distracted by their surroundings, and would rather be playing. The others, though, are annoyed by a poor night's sleep, below-TFM quality food, and, for the men, a lack of walls for the cabins. So, whether the frosh and transfers like camp or not, there are other things to think about. This is not the mindset to put the frosh in, if the plan is for them to get the most out of the seminars. If the priority is for the frosh to get to know one another, the UCC's, and the faculty in charge of planning the events defeated that purpose, too. Since all of the planned activities, which took up most of the day, were to be accomplished by group, people for the most part only saw the six or so others in their groups.

Oh, and there was the boat competition. For that, two groups were assigned to work together. OK, ten or more people have to,

in a matter of hours, get out all their ideas, figure out what to do and accomplish it? The idea was great, but the organization failed. Many people's ideas were ignored, and were left out of the competition. One frosh, in fact, independently suggested to his group the idea that later won, but nobody listened to him. What did he get out of the competition? Being left out is no fun. The bottom line is this: Camp Fox is not the place to get work done. For fun, stay at Caltech. For fun, Caltech, have a party. Rotations is hectic enough. Frosh Camp needs to be rescheduled, or reorganized in some way that aids the entering students in adjusting to the social and academic pressures at the Institute.

## CLINTON/GORE: BUILDING BETTER COMMUNITIES

BY TIPPER GORE

At the 1996 Democratic National Convention, I spoke about a civil society. The kind of society the Clinton/Gore Administration is working to achieve in every policy decision and every initiative. And as we approach election day, I want to challenge every college student to join together in partnerships to achieve better schools, stronger communities, and a healthier nation.

During the past four years, I have been fortunate to travel the country and see how such partnerships are making life better for all Americans. From Springfield, Missouri, where students and

neighborhood coalitions paint over graffiti to prevent gangs, to Washington, DC where I joined 15,000 people in a march to raise awareness and funds for AIDS treatment. All across this great country, I am constantly inspired by the enthusiasm, energy and commitment of those who join together to make a difference.

I am proud to be a Democrat because our party has always sought to create a civil society not only in the policies we promote, but the politics we practice. But, it takes much more than elected officials to make a difference. We ALL need to be better partners in finding solutions to the challenges

SEE CLINTON ON PAGE 11

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# The Outside World

by Myfanwy Callahan

KABUL, AFGHANISTAN — Afghanistan's new militant Muslim leader, Mullah Amir Khan Mutaqi, protested against the warning of reduced United Nations aid. U.N. Secretary General Boutros Boutros-Ghali threatened possible cutbacks should Afghanistan enforce its recent decrees **barring women from working** and girls from receiving an education, and which re-introduce stoning as a penalty for adultery. Mutaqi: "These principles are eternal..."

DUBLIN, IRELAND — The Irish Republican Army acknowledged that it had set the **bomb** that wounded 21 soldiers and 10 civilians near Belfast last Monday. This is the first attack the I.R.A. has admitted to since it called a cease fire on Sep. 1, 1994.

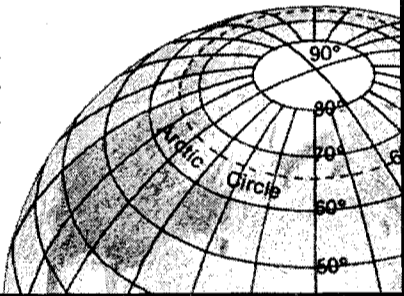
JERUSALEM, ISRAEL — Yasir Arafat paid his first public visit to Israel on Tuesday, meeting with President Ezer Weizman. The two men said that they would strengthen their **peace efforts**, and Arafat announced that his police force was given "permanent orders" not to fire on Israeli soldiers.

DALANDZAGAD, MONGOLIA — Since the collapse of com-

munist in their country, many Mongolians are **returning to a traditional lifestyle** as nomads. The life of a goatherd in the Gobi Desert is preferable to that of an unemployed city dweller. Mongolia is one of the only developing countries whose cities are shrinking.

CHICAGO — In an effort to improve what has been called the nation's worst school system, Chicago's new school administration has put 20% of the city's **schools on probation**. Principals and teachers may be fired or schools closed outright if student performance does not improve.

WASHINGTON, D.C. — U.S. military officials have endorsed a plan to vaccinate all U.S. forces against **germ warfare**. U.S. officials say that Iraq, Russia and as many as 10 other countries have the capability of releasing Anthrax on a battlefield.



# CETF: Meet the Green Party candidate

CONTINUED FROM PAGE 1

Party is currently working to keep these businessmen from clear cutting these trees for a quick profit. Sheasby said that the government is paying people who were key figures in the S&L scandal \$250 million to prevent the cutting of 6,000 acres of the forest.

The North American Free Trade Agreement, Sheasby believes, has given U.S. businesspeople a way to ignore environmental regulation. He mentioned the move of several California industries to Mexico, where they take advantage of cheap labor and an almost complete lack of regulation. He described modern, clean facilities run by Americans surrounded by towns consisting of Mexican plant workers who live in poverty. These towns, he said, have no indoor

plumbing, and human waste often runs through the streets. They depend on rivers, which are often polluted to the point that it is impossible to stand near them. While environmental regulations, Sheasby says, can't cross the border, toluene molecules and other pollutants can, and American companies who use NAFTA to escape regulation are hurting people in Mexico and in the United

States.

Overpopulation, Sheasby believes, is not a matter of simple mathematics. Instead, it is a direct result of Western colonialism, which stripped tribal villages of traditional value systems and forced people together in big cities, where disease spread quickly and birth rates soared. One disease resulting from colonialism is AIDS, he says. Sheasby believes overpopulation and the problems caused by colonialism will be solved by a feminist revolution and localized, self-sufficient economies.

*He described modern, clean facilities run by Americans*

When an audience member questioned the practicality of locally contained economies, Sheasby replied that some trade is desirable, but it should be kept to a minimum and that our economy can absorb some market inefficiency. Sheasby pointed out that all the pollution in the world has been caused by the 15% of the world's population that lives in industrialized areas. As more and more industrial-

ization occurs, he says, environmental problems will worsen. He believes that 100% of the population will live in industrialized areas in about one hundred years. This is the amount of time, according to Sheasby, that the planet has to correct environmental damage.

*The Green Party does not support conservation. It advocates reversing existing damage to our ecosystem.*

The Green Party does not support conservation. It advocates reversing existing damage to our ecosystem. Sheasby believes that we must have aggressive government regulation to protect and restore the environment. He brought up "Republicans crying about overregulation," and emphasized the Clinton administration's leniency on these issues. The Green Party is a worldwide organization and would like to see worldwide environmental control, as all countries share the Earth's resources, and all suffer from pollution in any one country.

Walt Contreras Sheasby can be reached at his campaign office, P.O. Box 794, Sierra Madre, CA 91025, or by phone at (818) 355-7858. Ralph Nader is the Green Party's US presidential candidate. For more information, call (888)-RX-NADER.

## Want to meet Caltech alumni?

The Alumni Association has funding available for student organizations that encourage interaction between students and alumni. To be considered for funding, an application form must be completed and returned to the Association no later than October 25. To receive an application form, call Kerry at x6852 or e-mail her at [kerry\\_etheridge@starbase1.caltech.edu](mailto:kerry_etheridge@starbase1.caltech.edu). Decisions on funding will be made in late October by the Student/Faculty/Alumni Relations Committee of the Alumni Association Board of Directors.



## The CDC Needs Student Workers for fall term 1996

### Job Description:

General office work: type, file, answer phone, run errands  
Special projects will be assigned.

### Job Requirements:

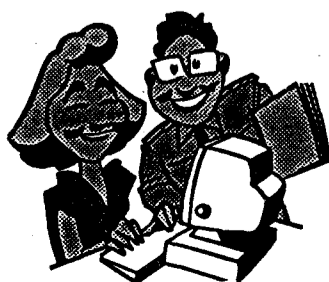
Work at least 6 hours/week (2 or 3 hour blocks of time)  
General computer knowledge: Word and File Maker Pro preferred  
Typing/data entry skills  
Prefer work-study students

**Salary:** Open, depending upon experience

**Beginning Date:** ASAP

**If you're interested, please contact:**

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Career Development Center  
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# TechnoGeeks



Now that the fall term is in full swing, you need our help to get into some serious Flicking (tm). The TechnoGeeks have discovered the wonders of multiplayer combat games over the Internet. When there just aren't enough Techers around who want to Flick (tm), you can simply turn to the wasteland that is the Internet to blow the crap out of random people. Here are the best multiplayer services we have played with:

## Total Entertainment Network (TEN)

TEN is like the Cadillac of online gaming: it has the most features, runs like a boat (big and slow), and is expensive. The TechnoGeeks participated in the beta testing phase of the service for free and were really impressed with the interface. It keeps track of your gaming statistics and ranks all players relative to one another. The only problem is they chose an expensive pricing scheme that scared most beta testers away. They want \$14.95 per month for unlimited usage of the system provided you have your own internet link. Although this isn't too outrageous (especially for Techers with ethernet), they chose to charge people with dial-up links \$0.95 per hour to dial into their own ISP (dialing into an ISP other than TEN's causes too much latency forcing dialup users to use their service). Therefore, you must either have a fast, direct internet link or use their ISP to use the system. The other

bad thing about TEN is that they do not support every network capable game. Currently, they only support Duke Nukem 3D, Dark Sun: Crimson Sands, Panzer General, Command & Conquer, Necrodome, and Warcraft I (not Warcraft III!). For more information, consult [www.ten.net](http://www.ten.net).  
5 bits out of 8 (for effort)

## Kali

After beta testing TEN for a while, the TechnoGeeks decided to look for another service. Kali has been around for a few years and has earned quite a following. The latest incarnation of Kali will run on Windows 95 or Windows NT and provides a more streamlined interface than the previous DOS only version. The basic idea behind the software is that it fools your game's IPX network driver into believing that the computers connected to the Kali server are on a local net. The result is relatively fast network game play over the Internet. We have found that Kali runs much faster than TEN although it lacks the fancy features that make TEN cool. The only fee for using Kali is a one time registration of \$20. The cheap alternative. It supports any game that uses IPX networking. You can find more info at [www.axxis.com/kali](http://www.axxis.com/kali).  
6 bits out of 8

## Webcompass 2.0 Beta

Quarterdeck originally released a rather unimpressive version of

Webcompass last year that allowed multiple queries of the Web's many search engines. The problem with the old version is that it was written for use within Netscape and came with its own slow and useless Web server which had to run locally. The new version (currently in beta testing) is a great improvement. Webcompass 2.0 is a stand alone application for Win 95 or Win NT which automatically queries any number of search engines at once, organizes the results, checks that the links are still valid, visits the sites that result, and attempts to determine whether or not they are relevant to your search. The program is fast, efficient, multi-tasking and makes searching the web much easier. Webcompass basically wades through the crap that is returned by most search engines today and does a good job of serving up useful links. This product is highly recommended by the TechnoGeeks. It is available for free download during the beta testing period from [arachnid.qdeck.com/qdeck/products/wc20/](http://arachnid.qdeck.com/qdeck/products/wc20/).  
7 bits out of 8

Flicking (tm) and Flick (tm) are registered trademarks of the bozos at the California Tech. Free and unlimited licenses are granted in perpetuity to the students of the California Institute of Technology. Violators of this trademark will be hunted down and beaten. Just kidding, or really?

# Y NEWS

BY BRADY HONSINGER

The Caltech Y is starting up a new year, and we'd like to let you know some of the services and programs we offer. If you're a new student, or you've always wondered what the Y does, listen up. The Y helps produce cultural and educational events, such as museum trips, concerts, and the International Day fair; social and recreational events, such as the end-of-term Decompression, the Y Hike, and mountain biking trips; and community service opportunities such as tutoring for the Pasadena school district, helping the homeless with the Union Station Rescue Mission, and collecting food for the L.A. Foodbank. We also offer other services to the Caltech community, such as camping equipment rental and cheap tickets to amusement parks and concerts. If you're interested in helping us with any of these, stop by the Y on Mondays at noon to join in our weekly meetings (If you're clueless, the Y is located on the second floor of Winnett above the DRL's office.) Of course, you can stop by the Y anytime and ask for more information about anything we do.

This week, we have the first Y Noon Concert of the year! Today (Friday, October 11) at noon, the infinitely rockin' band Jabberwock will be playing in the Winnett Quad, directly in front of the Winnett student center. Since today is also National Coming Out day, there will be a table with information available during the concert. Finally, the weekly mountain biking trips and the Weekend Y Hike programs are just getting started up for the year; stop by the Y and talk to Chris Sundberg ([sundbergc@starbase1](mailto:sundbergc@starbase1)) if you're interested in participating.

As always, we need people for our volunteer programs. If you're interested in tutoring, helping the homeless, or any of the other volunteer programs we participate in, stop by the Y. We're especially looking for work-study students, who will receive \$12/hr for their volunteer time.

If you're interested in receiving information about the Y via email, including receiving the Y News two days earlier than it's printed in the Tech, please email [y-request@ugcs.caltech.edu](mailto:y-request@ugcs.caltech.edu).

## Knightsbridge Theatre presents "Les Liaisons Dangereuses"

BY PUBLIC RELATIONS

Situated in the basement of the Brailey building in Old Pasadena on Raymond Avenue between Colorado Blvd. and Green St. is the quaint and wonderful Knightsbridge Theatre. This theater was started by Joseph Stachura, who wanted to offer the public a place to enjoy the theater for the price of a movie. The stage itself is humble, yet cozy at the same time; the actors and actresses are very talented without being pompous. Last week, their play "Les Liaisons Dangereuses", by Christopher Hampton, closed to great success. The play is set in pre-revolution France, when decadence and boredom led to exciting intrigue among the nobles. "Les Liaisons Dangereuses" is about such plots. J.S. Hmuck directs a cast

including Joseph Stachura as Le Vicomte de Valmonte and Carolyn Hennesy as La Marquise de Merteuil. Their performance was superb. The often confusing plot was made much simpler by the actors' dedication to their characters. Because you missed the last

show of "Les Liaisons Dangereuses", the next best thing to do is to see the recent movie (*Dangerous Liaisons*), but be sure to catch any of the Knightsbridge's other great plays including

*The stage itself is humble, yet cozy at the same time; the actors and actresses are very talented without being pompous.*

"Picture of Dorian Gray," by Oscar Wilde. Plays are usually on Saturdays and Sundays at 2, 5, and 8 p.m., but check the newspaper listings and call first.

The Knightsbridge Theatre For reservations, call (818)440-0821 Tickets: \$15

You want to be the first to \_\_\_\_\_

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**book review**  
**book worm.**

by Daisy James

- ★★★★ A wonderful work of art
- ★★★★ Slightly imperfect
- ★★★★ Well written but not enjoyable
- ★★★ Fun to read, poorly written
- ★★ Bad writing, no fun
- ★ Birdcage liner

**After the Funeral**  
 by Agatha Christie

A true Christie mystery, this novel has an English country house murder, a definite set of suspects and more plot twists than you can shake a stick at. The story begins with a funeral of a rich old man, or rather with the reception after it, when one of the heirs announces "Well, he was murdered, wasn't he?" When she is killed the next day, the family lawyer calls on Hercule Poirot and the fun begins. I will refrain from giving

too many details, since half of the fun is in figuring out the people for yourself.

Unlike in some of her later books, Christie does not yield to the temptation to spout politics or philosophy. The book still manages to be moderately deep, however. While not my very favorite of her books (I'm partial to Miss Marple), *After the Funeral* was entertaining and I was unable to guess the murderer, despite my long acquaintance with her style.

**The Lost World**  
 by Michael Crichton

This sequel to *Jurassic Park* opens with one of the worst examples of a writer selling out that you are likely to find. Ian

Malcolm, who was very definitely and thoroughly killed in the first book, is resurrected. The reason is obvious enough: he wasn't killed in the movie, and there is going to be a sequel. The ironic thing is that none of the other characters from the first book so much as make an appearance, despite being more interesting and likable. Malcolm's purpose in this book, as in the first, is to deliver long monologues of pseudoscientific bible-babble, all sufficiently out of the depth of the average reader to make him feel that this must all be true and deep. In reality, Crichton knows pitifully little about modern science, a fact which he gives away pretty blatantly in one scene where one of the characters finds a graduated glass pipette and identifies it as "the kind used in laboratories everywhere in the world." Which would be fine if the book were set about thirty years ago.

The rest of the cast consists of a rich, obnoxious paleontologist who organizes the expedition; a behavioral biologist who serves as the love interest for

Malcolm and is one of the few likable characters in the book; a retired ME professor who built the vehicles; his assistant; and two junior high kids who were helping the paleontologist. (Another area in which the writer shows himself to be ignorant is the forms that pre-teen cruelty takes.) There are also some bad guys, employees of the evil biotech company, Biosyn (nice subtlety there).

The story is about another island off Costa Rica where the animals for the park were cre-

*In reality, Crichton knows pitifully little about modern science.*

ated. It's overrun with dinosaurs and naturally the characters get stuck there. The plot runs along the same lines as the first one, the differences being that there are fewer people to kill and the action doesn't start until later in the book.

Apart from being good for playing Count The Plot Holes, this is actually an entertaining

book. There's a lot of action and no thinking required on the part of the reader. The plot, while unoriginal, is gripping, and Crichton's writing style doesn't make one cringe. I would like to pan it, since Crichton seems intent on destroying the biotech industry, but the truth is that I read it in a day.

**Dave Barry in Cyberspace**  
 by Dave Barry

Dave Barry is one of the very few writers whose books I will buy in hardcover. I have all his books and I can quote them verbatim. So it kind of goes without saying that I read this book ready to be pleased. I was not disappointed. It is extremely funny. Barry writes about computers, the people who use them, and the kind of problems they create. The author has an opinion of Gates that is low enough to satisfy all but the most demanding Techers. While I have it on good authority that some of his information is wrong, inaccuracies are not unusual in his writing, and Barry admits it readily.

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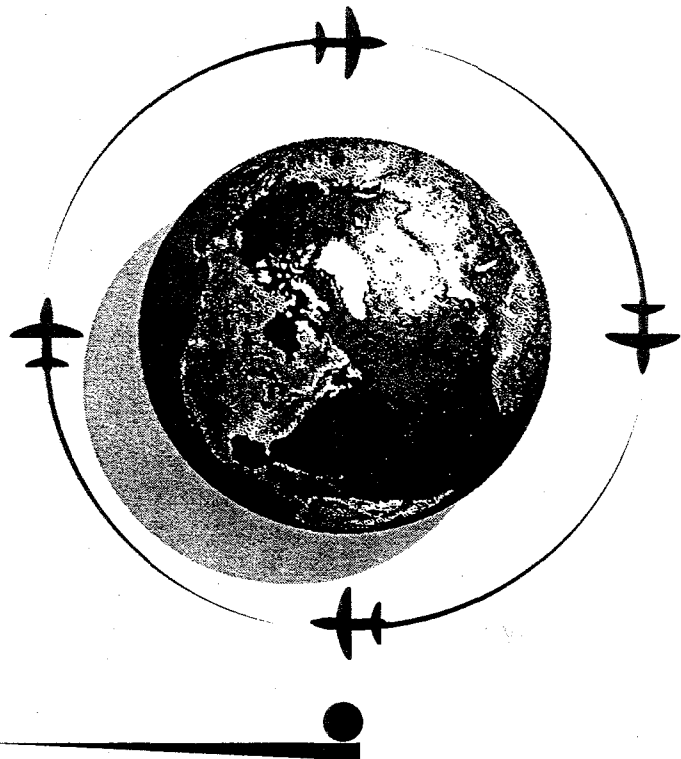
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4:00-6:00pm

Beckman Institute Auditorium

Hosted by

Susan Moffet (BCG Los Angeles)



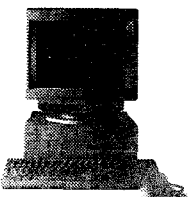
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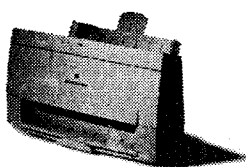
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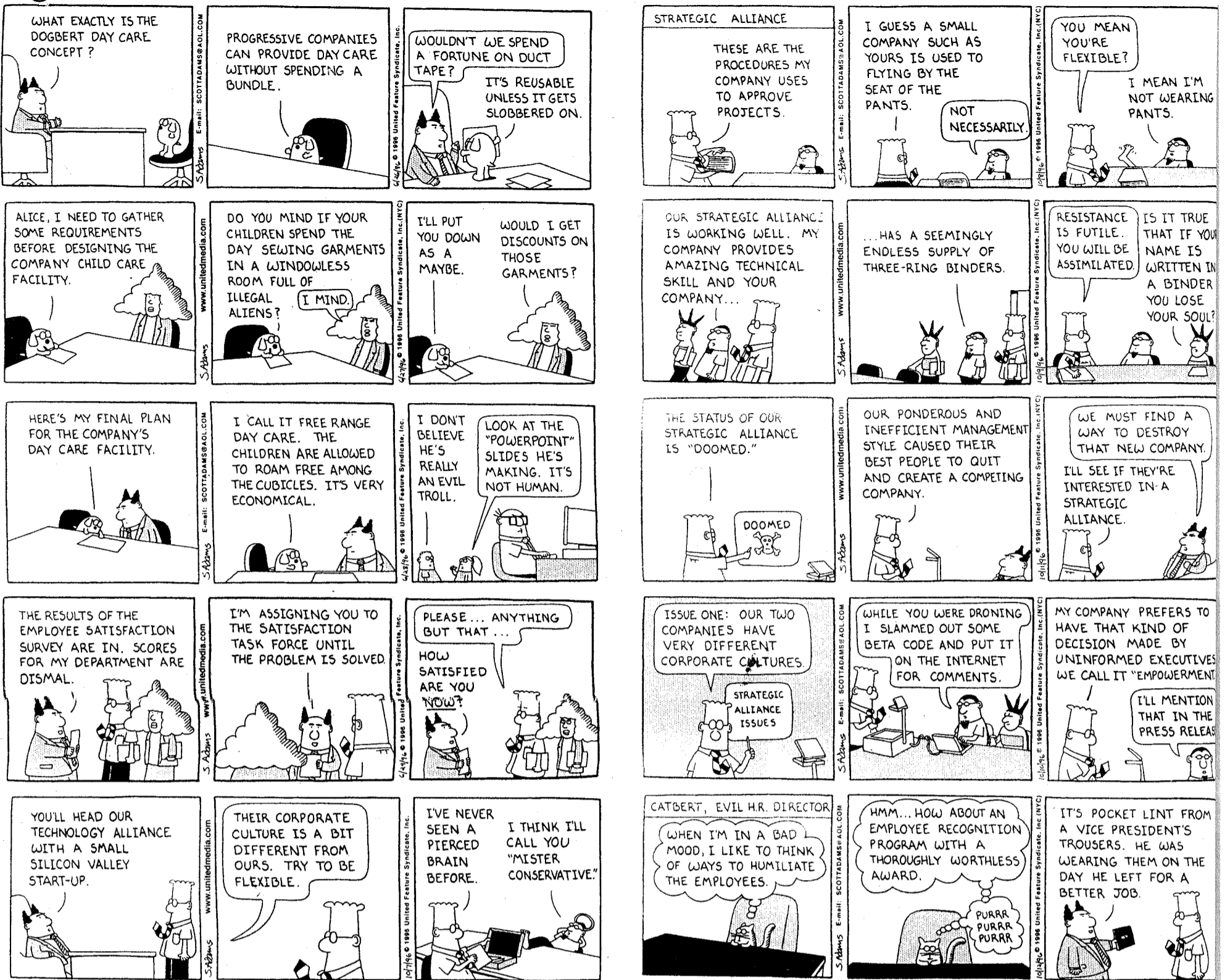


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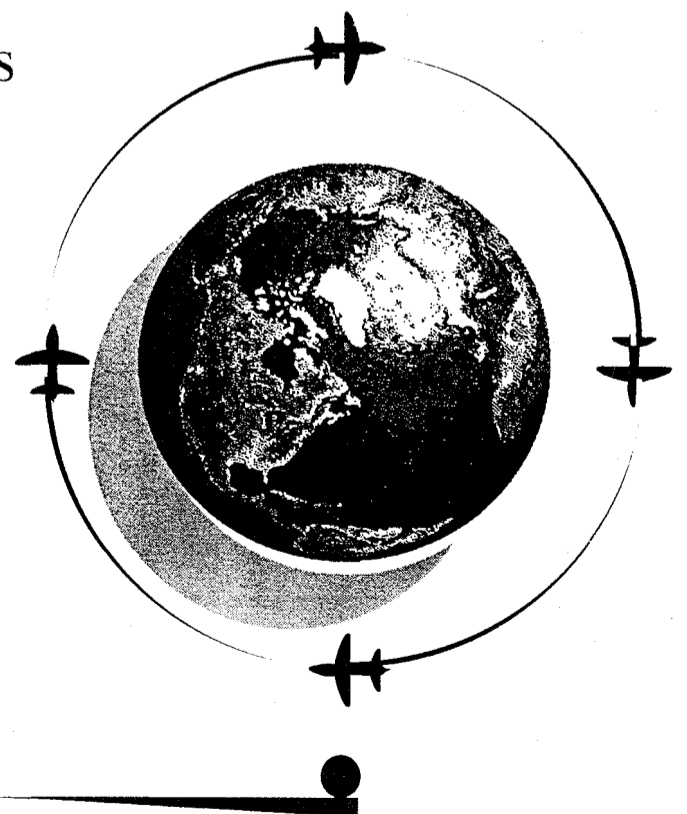
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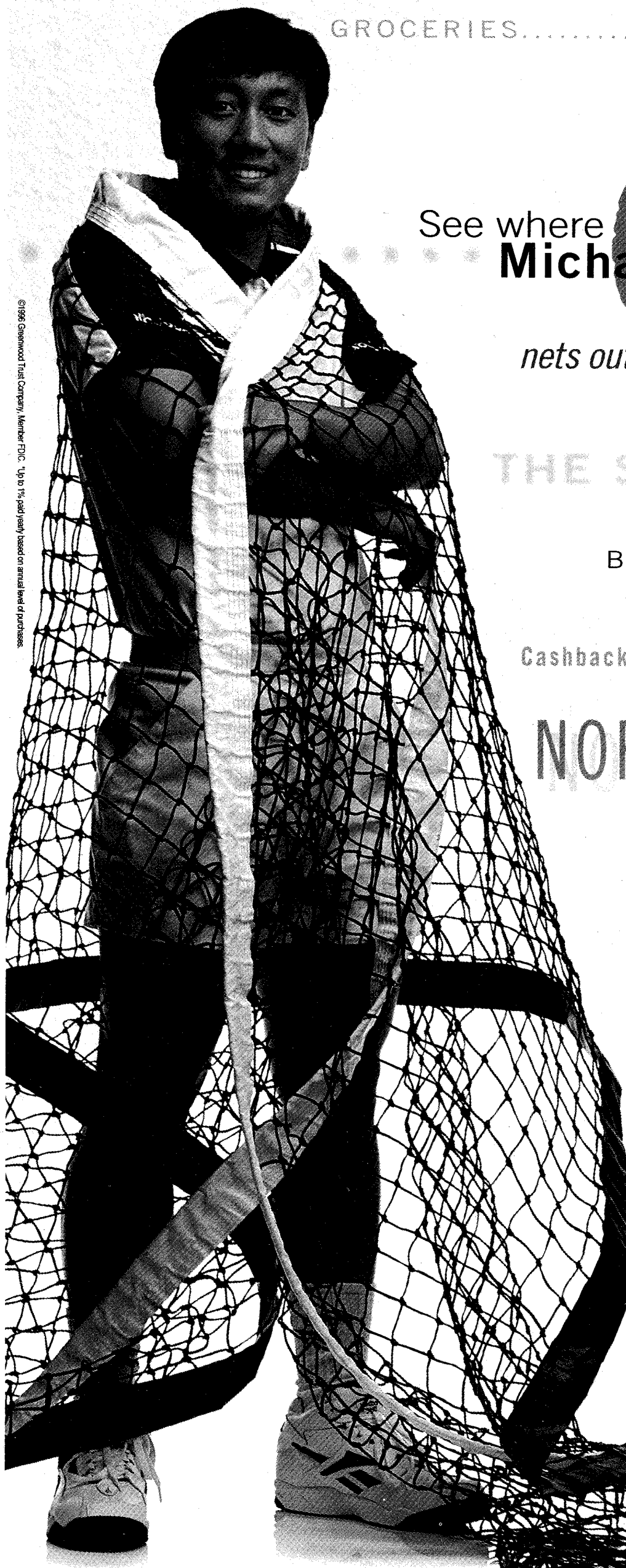
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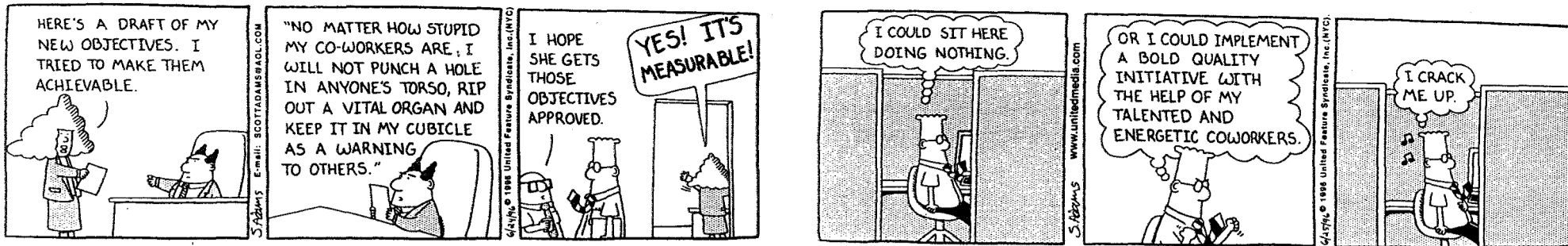


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# Logic Training: A Puzzle

BY WEI-HWA HUANG

No crossword this week, but here's a Logic puzzle:

While waiting for the subway, I ran into my friend Al, who happens to be a logician.

"Hi, Al! What's new?" I asked him.

"Well, I'm playing a game with three other logicians I met on the subway: Bill, Carl, and Dick."

"Really? What's it like?"

"While we're on the subway car, two of us can make only true statements on Monday, Wednesday, and Friday, and only false statements on Tuesday and Thursday. The other two of us have to do the exact opposite: tell the truth on Tuesday and Thursday, and lies on the other three working days."

"And the weekends?"

"Well, the game doesn't apply then, so we can say anything. We don't ride the subway on weekends, though."

"Wait. How do I know you're not lying to me now?"

"One, you can meet them when you get on with me; two, the game doesn't count when we're not on the subway car; and three, I made this statement yesterday: 'I'm telling the truth if and only if I won't lie tomorrow. If you think about it, you could conclude that I'm not lying to you now.'"

I thought about that state-

ment for a long while. "Well, if you actually had made that statement yesterday, then you would definitely be telling the truth today. But wait. You used the word 'could' instead of 'would,' which means you might be tricking me. Hmm, I see. You could still be lying, and perhaps you never made such a statement yesterday."

"And, of course, I would be making a valid lie by saying that you could conclude something false, since you

didn't. But really. If this sentence is true, then I haven't told you a single lie."

I thought about that. If it were false, then the premise would be true, so the sentence would also have to be true. An obvious contradiction, so the sentence was definitely true,

*"And, of course, I would be making a valid lie by saying that you could conclude something false, since you didn't."*

which meant that Al hadn't lied to me. "Okay, I'm convinced. But you might still start lying when you get on the train, since I can't tell now which two are

liars and which two are truth-tellers today."

Al smiled at me and was about to say something, but then the train arrived. Upon entering, I spied three people (I'll call them persons X, Y, and Z), apparently having an argument. From their speech it was obvious that these were Al's three fellow logicians:

Person Z said to person Y, "Either you're a liar, or you're a Dick!" Person X said to person Z, "Well, you're a liar and also a Dick!" Person Y pointed to person Z and

said to person X, "Ha! If he's a Dick, then I'm a liar! At least you're not Bill!" Person Z said to person Y, "Hey, yesterday you said he was Bill!" Person

X said, "The game didn't count yesterday. The game won't count tomorrow, either. Tomorrow's Friday." Person Z pointed to person X and said to person Y, "Well, you called him Bill yesterday and the day before, or my name isn't Carl!" Person Y replied, "Hmph! If that was true, today wouldn't be Wednesday."

At this point, the argument subsided and I got lost in thought trying to figure out the situation.

But then Al whispered to me, "You don't have enough information to figure out who's lying and who's telling the truth! Forget about it."

What day of the week is it, what are the names of person X, Y, and Z, and which two people are lying today?

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# now hear this.

by Ronald Dolette

## Jabberwock, Southland

With a style that transcends the usual alternative spectrum, Pasadena-based Jabberwock cannot be properly classified with other bands of the "buzz" era. Their 1994 release, "Southland,"

mixes a sound reminiscent of a bass-heavy Counting Crows with the warped wickedness of U2's "Zooropa." The song, "This Ain't No Weapon. It's a Golf Club," includes various sound effects involving two Snapple bottles, among other things. However, as a whole, the album is a good blend of great music and intelligent lyrics.

"Southland" is full of songs such as "Oblivious," "Freezing," and the title track that provide harsh commentary about the state of the greater Los Angeles area. ("There are places that not even God will go 'cause you can't get police assistance.") Their disillusionment with the LA area might even be extrapolated to the country as a whole.

Jabberwock presents a world that is as somber as it is bitter in a very ear-catching manner. Don't miss them playing outside Winnett Student Center at noon today.



## Physical Plant policy change inspired by Ditch Day to improve security.

Noticing how effective the "Seniors Only" signs and white sheets are against unauthorized entry by the rest of the undergraduate community, Physical Plant has announced that it will be replacing all currently installed motion detectors with standard issue white sheets labeled "Seniors Only". When asked about Seniors possibly bypassing the sheets, as they are not banned from entering, the Phys Plant personell responded that beyond each "Seniors Only" sheet was a "Frosh Only" sheet purchased from various first year students for a cost that was half of the \$5000 the seniors were charging. "We would have liked to have used just the 'Frosh Only' signs because of cost, but most of the unauthorized entry we do see is by first year students. In fact thinking about it,

## Insecurity Bulletin

*This is fiction, folks.*

those were the same ones who suggested the sheets." Security would of course exempt themselves from the "Seniors Only" and "Frosh Only" barriers, while still respecting the "Grad Turkey Only" signs so rarely seen these days.

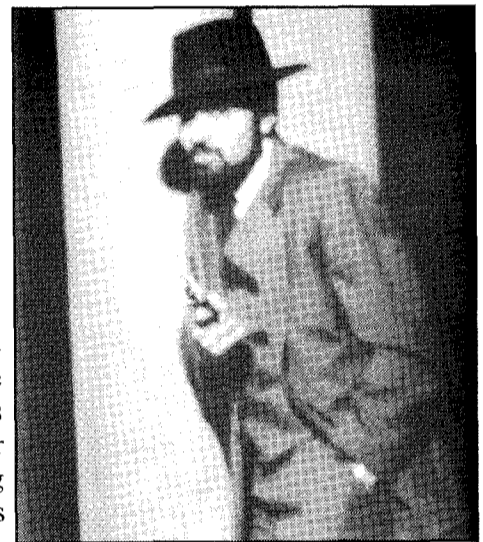
## Security officers mugged outside Holliston parking structure.

Three Security Officers who had just come off duty at the Holliston parking structure were robbed of \$0.02, \$6.27, and a Ralph's in store \$0.50 off any Coca-cola Product with the purchase of one of equal or greater value coupon respectively. The mugger declined to take the officers credit cards mumbling something about that he already had 40,000 from Netcom and AOL. He then proceeded to relieve the officers of three sudo Maglite flashlights and a full master keyring, commenting that he could use extras of both. Security has refused to comment on

this incident. The duty office was 5 feet away from the victims at the time, pouring himself a cup of coffee.

## Suspicious character rob Frosh of Tommy 1's.

Numerous Frosh have reported being robbed of their Sacre Tommy 1's late at night along the Olive Walk. The armed individual (pictured below), brandishing a pistol and a bad attitude has stripped 17 Frosh of their beloved *Calculus: Volume 1*, reportedly using the phrase "Give me your Tommy 1, or pay with your life."



"Your Tommy or your life, Frosh!"

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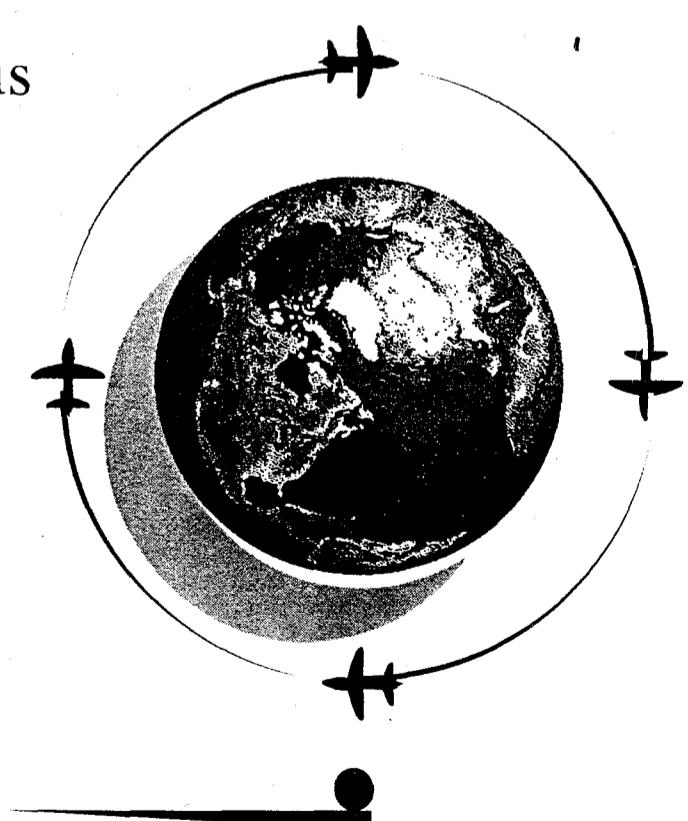
Graduating Seniors interested in Strategy Consulting: Please join us for an *informal* reception and briefing to learn more about our Associate Program

**THURSDAY**

November 14, 1996

Beckman Institute Auditorium

4:00-6:00pm



AMSTERDAM	BRUSSELS	FRANKFURT	KUALA LUMPUR	MELBOURNE	MUMBAI (BOMBAY)	SHANGHAI	TORONTO
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BOSTON	DÜSSELDORF	JAKARTA	MADRID	MUNICH	SEOUL	TOKYO	

## Major League Baseball playoff update

BY MASON A. PORTER

All four Division Series ended last Saturday, with the Braves sweeping the Dodgers and the Cardinals sweeping the Padres. The Yankees defeated the Rangers and the Orioles defeated the Indians both by winning three of four games. The National League (NL) and American League (AL) Championship Series both started earlier this week.

The Cardinals and Braves began their seven game battle on Wednesday afternoon. The Braves are the best team in baseball, and the Cardinals are better suited to a five game series than a seven game series, as there is a large gap between the quality of their third and fourth starters. Their top three starters are Andy Benes, Donovan Osborne, and Todd Stottlemyer, while their fourth is Andy's younger brother Alan, a rookie

who had an earned run average (ERA) near 5.00 despite a good win-loss record. The Braves, on the other hand, have four dominant starters in Greg Maddux, John Smoltz, Tom Glavine, and

*The Orioles surprised many people by sweeping the Indians and are full of confidence.*

Denny Neagle. Offensively, the Braves are a far superior team, especially if it turns out that Ray Lankford is incapable of starting early in the series. The Braves are also a superior defensive team. Expect them to win in five games.

The Orioles and Yankees began their series last Tuesday. They have been battling each other since they tried to outbid each other for the same free

agents last winter. They have since been rivals in the American League East, the Yankees having finished first and the Orioles having finished just behind them. The Orioles surprised many people by sweeping the Indians and are full of confidence coming into their series with New York. Their starting pitching is a bit worse than New York's, but they have a huge offensive edge. New York has had trouble scoring runs all year, but the Orioles set a

Major League record with 257 homeruns this year. Defensively, the two teams are about equal. However, the Yankees have a much better bullpen, and that should clinch the series for New York. Unlike the Orioles relief corps, that of the Yankees (including Mariano Rivera and John Wetteland) is nearly impregnable to opposition rallies. Expect the Yankees to beat the Orioles in seven games.

## SPORTS CALENDAR

### Saturday, October 12

- Men's & Women's Cross Country, SCIAC Duals at Chino, 9:30 a.m.
- Water Polo at Occidental Mini Tournament
- Soccer vs. CMS, home, 11:00 a.m.
- Volleyball vs. CA Christian, home, 1:00 p.m.

### Monday, October 14

- Soccer vs. LaSierra, home, 4:00 p.m.
- Volleyball at USC Club, 7:30 p.m.

### Wednesday, October 16

- Soccer at Occidental, 4:00 p.m.

### Thursday, October 17

- Water Polo vs. Villanova, home, 4:30 p.m.
- Volleyball vs. LaSierra, home, 7:30 p.m.

### Friday, October 18

- Volleyball vs. College of Notre Dame, home, 7:30 p.m.

## CLINTON

CONTINUED FROM PAGE 2

which face our families, our communities and our nation, because the problems of unsafe streets, struggling schools, and economic distress can not be solved by government alone. The real steps made toward solving our challenges are at the local level, and college students often lead these efforts.

The President has consistently sought community-based solutions with a program of opportunity for all and responsibility from all. That is why the President's AmeriCorps National Service program has been such a success. We have 45,000 young people working all across America for a minimum wage, earning money for college, and helping communities solve problems. They are doing work that badly needs to get done. Work that otherwise would not get done. With AmeriCorps, we renew the ethic of service that has always been a key to the greatness of this country.

That is why this Administration's Empowerment Zone/Enterprise Community initiative has been such a success. Distressed urban and rural areas created a plan of economic and community development that met their needs, and partnered with the federal government to implement these development goals.

That is why the Clinton-Gore Administration's community policing initiative has been such a success. We are adding 100,000 community policing officers to America's streets who are in turn partnering with neighborhood watch groups, parents and schools to stop crime and prevent drug use among children.

President Clinton and Vice President Gore have challenged all of us to get involved. You can get involved in your communities whether it is by mentoring a younger child or volunteering at a local homeless shelter. Only when we are all working together can we truly achieve a civil society.

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1. Standard & Poor's Insurance Rating Analysis, 1995; Lipper Analytical Services, Inc., Lipper-Directors' Analytical Data, 1995 (Quarterly). For more complete information, including charges and expenses, call 1 800 842-2733, extension 5509, for a prospectus. Read the prospectus carefully before you invest or send money. TIAA-CREF Individual & Institutional Services, Inc., distributes CREF certificates.

**Announcements**

⊛ A dark green hooded Nike sweatshirt, blue terry cloth towel, and one white t-shirt have been left **unclaimed** from **Frosh Camp** and are currently waiting their owners in the Dean's Office, 102 Parsons-Gates.

The **Fellowships Advising & Resources Office** is desperately seeking **student workers** for a wide variety of projects. Find out about fellowships and work and study abroad while you earn money. If you are interested, please contact Karen in the Fellowships Office, Room 25 of the SAC, or x2150.

**Caltech Guitar classes** this fall quarter will be held weekly on Tuesday starting on October 8th in Room 1 of the Student Activities Center. Beginning classes will be held from 4:30pm to 5:30pm, intermediate from 3:00pm to 4:00pm, and advanced classes from 5:30pm to 6:30pm. Classical and flamenco repertoires are explored but techniques transfer to other styles of guitar. Classes are free to Caltech students and other members of the Caltech community, space permitting. Undergraduates can receive three units of credit if they choose. For further information, please contact Darryl Denning at 465-0881 or [ddenning@cco](mailto:ddenning@cco).

**Events**

⊛ All those who have ever wanted to understand their leadership capabilities are invited to a **Leadership/Management Reading Discussion Group** starting Friday, October 11th, at noon in the Women's Center Lounge. This program is a follow-up to the reading group that was held over past summer. For reservations, please call x3221.

⊛ The Caltech Staff & Faculty Consultation Center will be presenting an Employee Assistance Program on "Skills for Improving Your Relationships" presented by Jacqueline Miles, Ph.D., on Thursday, October 17th, from noon to 1pm in the Winnett Lounge Dr. Miles is a private practitioner in Pasadena specializing in adolescent and adult psychotherapy and will be focusing on improving communication, avoiding destructive patterns, and increasing positive communication and caring behavior. For more information, please call Tomi Imano at x8360.

⊛ **The Ballroom Dance Club** continues its two classes in Rumba and Tango this coming Wednesday, October 16th, and Thursday, October 17th, respectively. The rumba class will be held 7:00 to 8:30pm in Winnett; the Tango class will start at 7:40 p.m. in Winnett. Note that the Tango classes have been moved from Dabney to Winnett for all of October (the change in time is for this week only, however). Classes are \$3.75 each for Caltech undergrads and \$5 each for other Caltech/PL people. Please contact [jcarri@ligo.caltech.edu](mailto:jcarri@ligo.caltech.edu) for more information.

⊛ Caltech is sponsoring a two day **blood drive** which will be held in the Winnett Student Lounge on Wednesday, November 13th, between 10:15am and 3:30pm, and on Thursday, November 14th, between 12:15pm and 5:30pm. Please contact Vilita Zmuidzinas via e-mail at [hdevcz@hr.caltech.edu](mailto:hdevcz@hr.caltech.edu) or at x6001 for an appointment. Walk-ins are also welcome.

The **Caltech Environmental Task Force** is proud to present a series of lunch time discussions on the environment by District 27 candidates for the **US House of Representatives**. Each candidate will discuss how the next congress should deal with environmental issues. This will be followed by a question and answer session from the audience. Elizabeth Michael, the Libertarian candidate, will talk in Moore 80 today, October 11th. The Democratic candidate, Doug Kahn, will talk in Moore 70 on the 18th of October.

The first movie to screen in the **German Film Series** for fall 1996 term is *Frühlingssinfonie* ("Spring Symphony") (1983). It will be shown on Wednesday, October 16th at 7:30pm in Baxter Lecture Hall. This film features English subtitles and is presented free of charge. For more information, please call x3610.

The opening performance of the forty-seventh **Paco A.**

**Mints**

⊛ denotes a new announcement.

**Lagerstrom Chamber Music Concert** season will be given by **Mari Kodama** on piano on **October 6th** in the Dabney Lounge. The concert program will include Bach's Toccata in D Major, BWV, 912; Chopin's Sonata in B-flat minor, Op. 35; Schubert's Sonata in A Major, D. 664, Op. 120; and Dutilleux's Choral and Variations from Sonata for Piano (1947). Born in Osaka and trained in Paris, Mari Kodama has performed with the London Philharmonic and with Frans Brueggen. She has won prizes at the international competitions of Jeunesse Musicale de Suisse, Viotti-Valsesia, Citta de Senigallia, and F. Busoni in Bolzano. Her recordings include Prokofiev's Concertos No. 1 and 3 with the Philharmonic Orchestra, Kent Nagano conducting. For almost 50 years, the Paco A. Lagerstrom Chamber Music Concerts at Dabney Lounge have offered intimate programs to chamber music lovers from Caltech and the community. These concerts feature artists of international repute as well as promising young performers. All concerts are held on Sundays at 3:30 p.m. Admission is free.

Caltech's 1996-97 **Armchair Adventures** travel film series kicks off on Friday, **October 11th**, with Robin Williams' (the travel lecturer, not the comedian) "**The Trail: Lewis & Clark Expedition**." Williams retraces the route of this historic journey from Monticello all the way to the Pacific Ocean. This adventure will begin at 8pm from the Beckman Auditorium. Individual tickets are \$9.00 and \$7.00. Series tickets for all six coming films are \$45.00 and \$39.00.

**From the Counseling Center**

The Counseling Center is offering a **women's therapy group** for graduate students to begin in the fall term. The group is designed as an expansion of the women's group offered last year which provided an opportunity for women to examine a range of personal and professional issues in a confidential setting. Through group discussion, women will have the opportunity to examine their patterns of relating to others, their family and intimate relationships, and challenges they experience in achieving success. Another important goal of the group process will be to facilitate a sense of closeness and connection within the group. Each new group member needs to meet with the group leaders for a pre-group interview. If you would like more information or to schedule a pre-group interview, please contact the Counseling Center at (818) 395-8331 by **October 15th**. The group will be offered on Tuesdays at the Counseling Center and will begin in October.

Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want somewhere just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confidential meeting and attending does not imply anything about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

**Fellowships and Scholarships**

From the **Fellowships Advising and Resources Office**, extension 2150, e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu)

⊛ Applications are available in the Fellowships Advising

Office or through the Web for the **National Science Foundation**. The URL is: <http://www.fastlane.gov/>. Lauren Stolper, the Fellowships Advisor, is available to help review student's NSF essays. Please call extension 2150 or e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu) for more information.

⊛ **The Churchill Fellowship** gives students a chance to spend an academic year at Churchill College, Cambridge University. Fellows must be U.S. citizens between the ages of 19 and 26 and hold a bachelor's degree by the time the fellowship commences. Applicants must do graduate study in the sciences or engineering which leads to a certificate, diploma or M.Phil degree. Cambridge has a number of one year M.Phil programs, and two applicants will be nominated by Caltech. Eighty applications are available in the fellowship office.

⊛ **The Gem Fellowship** provides fellowships for minority students who wish to pursue an M.S. degree in engineering or Ph.D. degree in science or engineering. Applications are available in the Fellowships Advising Office. The deadline is December 1st. The Gem Web page can be found at <http://www.nd.edu/gem/>

⊛ **Hertz Applications** are available in the Fellowships Advising Office. Applicants must have a 3.75 GPA during the last two years of undergraduate work. The deadline is October 18. Graduating seniors and grad students at any phase in their studies except for the final year may apply.

⊛ Graduating seniors who are female or minority student are eligible to apply for the **National Physical Science Consortium**. The Fellowships Advising Office has a sample application; e-mail [mpsc@nmsu.edu](mailto:mpsc@nmsu.edu) or request info through the NPSC home page at <http://www.nmsu.edu/~npsc>

⊛ **The Zonta/Amelia Earhart Fellowship Awards for Women** is looking for applicants that have a B.A. or B.S. degree in an area of science or engineering closely related to aerospace related science or engineering. Applicants must have a well-defined research program in an area of aerospace related science or engineering. Women graduate students of any nationality are eligible to apply. Applications are available in the Fellowships Advising Office.

⊛ **The American Scandinavian Foundation** offers students the capacity to study in Denmark, Finland, Iceland, Norway or Sweden. Applicants need at least some ability in the country's language and must be U.S. citizens or permanent residents. Applicants must be graduating seniors or grad students at any level including post-doctoral projects.

⊛ Students who have completed less than one year of graduate study toward a degree in the biological sciences or undergraduate seniors are qualified for **Howard Hughes Predoctoral Fellowships in the Biological Sciences**. To obtain an application via the internet <http://fellowships.nas.edu> or e-mail [infofell@nas.edu](mailto:infofell@nas.edu).

From the Deans' Office, 102 Parsons-Gates:

The **Harry S. Truman Scholarship Foundation**, established by Congress in 1975, is the official federal memorial to honor our thirty-third President. The Foundation awards \$30,000 merit-based scholarships to junior-level college students who wish to attend graduate school in preparation for careers in government or elsewhere in public service. Scholars may attend graduate schools in the United States or in foreign countries. In 1997, up to 85 students will be awarded Truman Scholarships. They will receive leadership training, graduate school counseling, preferential admission and merit-based aid to some premier graduate institutions, and internship opportunities with federal agencies. They will establish friendships with persons sharing similar values and interests. Scholars are eligible to receive \$3,000 for the senior year of under-

graduate education and \$27,000 for graduate studies. The Foundation defines public service as employment in: government at any level, uniformed services, public interest organizations, nongovernmental research and/or educational organizations, and public service oriented nonprofit organizations such as those whose primary purposes are to help needy or disadvantaged persons or to protect resources. The eligibility requirements are: a full-time junior-level student at a four-year institution, committed to a career in public service as defined above, and in the upper quarter of his or her class, and a U.S. citizen. If you are interested in applying for the Truman Scholarship, please contact the Dean of Students Office, 102 Parsons-Gates. The deadline is late **December, 1996**.

From the Financial Aid Office, 515 S. Wilson, second floor:

⊛ **Northrop Grumman** is beginning their scholarship selection for 1996-97. They will be offering one scholarship to an undergraduate who has a career interest in the Aerospace/Defense Electronics Industry. Applicants must be U.S. Citizens, full-time students in 1996-97, and must have a GPA of 3.0 or above. Applicants must also be majoring in one of the following fields: Electrical Engineering, Mechanical Engineering, Aerospace Engineering, Computer Science/Engineering, or Manufacturing Engineering. To apply, submit a resume and an academic transcript to the Financial Aid Office by **October 11th, 1996**.

The **John Gyles Education Fund** is offering financial assistance to students in Canada and the United States. Canadian or American citizenship and a minimum 2.7 GPA are required. Selected students will receive up to \$2,500. The deadline is **November 15** (postmark date). To receive an application, send a stamped (U.S. \$32), self-addressed No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Dr., Fredericton, New Brunswick,

Canada E3B 5G4.

Applications are now being accepted for the 1997-98 **National Academy for Nuclear Training** scholarships. Scholarships are \$2,500 each and will be awarded to eligible students majoring in nuclear engineering, power generation health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Applicants must be U.S. Citizens, have minimum 3.0 GPAs and be full-time sophomores, juniors, or seniors in 1997-98. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry. Applications must be postmarked no later than **February 1st, 1997**.

The Jewish Family and Children's Services is pleased to announce the continued availability of financial support for Jewish individuals and their families. JFCS provide hundreds of students loans, grants, and scholarships to Jewish students. Individuals may apply for up to \$5,000. Special scholarships are available for study in Israel. To be eligible, students must have financial need, have at least a 3.0 GPA, and be residents of San Francisco, the Peninsula, Marin or Sonoma counties, or the Bay Area. There are no deadlines—applications are accepted throughout the year and are available in the Financial Aid Office.

The Elie Wiesel Foundation for Humanity announces the 1997 Essay Contest for the Elie Wiesel Prize in Ethics. The essay contest is open to full-time juniors and seniors. First prize is \$5,000, second prize is \$2,500, and third prize is \$1,500. Essays must be accompanied by a completed entry form. To obtain an entry form, send a self-addressed, stamped envelope to: The Elie Wiesel Foundation for Humanity, 1177 Avenue of the Americas, 36th Floor, New York, NY 10036. Essay entries must be postmarked by **January 17th, 1997**. For more information about the contest, come to the Financial Aid Office.

Women who are full-time juniors in 1996-97 are invited to participate in **GLAMOUR Magazine's 1997 Top Ten College Women Competition**. This competition recognizes exceptional achievements; the vision, determination and academic excellence of female college juniors from across the country. Winners will receive \$1,000, the opportunity to meet with top professionals in their field, and national recognition in **GLAMOUR's** October 1997 issue. Applications are due **January 31st, 1997**.

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Interested? See **Karen** in the **Fellowships Office, Room 25 of the SAC, x2150.**

**THE WATSON FELLOWSHIPS**

**REMINDER TO INTERESTED SENIORS:**

A one to three-page project proposal draft for the Watson Fellowships is due in the Fellowship Office, Room 25 of the SAC, on **MONDAY, October 7, 1996**. Keep in mind that successful proposals generally have a single topic of study or investigation that reflects a student's long-standing interest in that area.

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