

photo by Nelson Escobar

Wednesday night's "Streamline your stress with massage" Wellness Week presentation relaxed under-

graduates David Ozenne, Laura Brady, Alison Slemp, and Michael Kim.

## It's part of our past: how Caltech's under-represented students organized themselves

by Edray Goins

Note: This is the fourth in a term-long series of vignettes about the history of Caltech's under-represented students.

Many Caltech students complain about a lack of social life. For under-represented students, this is complicated by the onset of culture shock. Often, they must experience new faces along with new cultures, traditions, and customs. This can be so overwhelming that they may not have time to recover and succeed in their academics, which causes some to transfer.

Others decide to create their own support mechanisms. They find ways to congregate with what is familiar to them, just as their White counterparts congregate within the House system. This is not a form of separation, because there are not enough students in a given under-represented culture for one to submerge himself in. Rather, it is a

natural form of relaxation when one may occasionally see a face that reminds him of home.

This path to organization has not been a smooth one. The Latino, Native American, and Black students have all had problems in creating groups that are beneficial social outlets.

In 1982, freshmen Kevin Hernandez and Victor Leyva, and two other friends attempted to start a chapter of the Society of Hispanic Professional Engineers (SHPE). Inspired by the Cal State Los Angeles chapter, they hoped to hold joint events with other chapters, and create a Hispanic community at Caltech. However, by the end of their sophomore years, the two friends had transferred, and the ideas seemed to pass into oblivion.

Eight years later, they resurfaced. With the help of Eduardo Grado, the former Director of Secondary School Relations, a Caltech

chapter of SHPE was created. The organization is over three years old now, and has been active in the lives of Latino students by holding events to promote Hispanic History, and hosting a booth for the last two years during International Day. In fact, Victor Leyva was graduated with Bachelor and Doctorate degrees from the Institute in 1991, but was around to see the first meeting of the organization.

The past is not as bright for American Indian students. Unfortunately, there have never been enough Native Americans to create any type of organization. There have only been a few discussions about starting a chapter of the American Indian Science and Engineering Society (AISES), but Caltech has had less than twenty five Native American students enroll over the past 20 years. Five of them are enrolled as undergraduates now.

see OUR PAST, page 7

## A Midwesterner looks at Californian disaster

by Toby Bartels

I was reading comic books in the Ricketts House library when it started. At first I thought it sounded like several hundred joggers running very hard in the hallway above me, but after a few milliseconds, I abandoned that theory. When the walls started shaking, I realized that I was experiencing my first earthquake. "How interesting," I thought. "In an earthquake zone like California, minor tremors like this probably happen all the time. I wonder how many more I'll get to see before I graduate." It didn't feel very big; I was worried for a moment that some books might fall off the shelves, but they proved to be pretty secure. One item of random bric-a-brac fell off, so I replaced it and returned to my

comic books.

It wasn't until hours later that I realized people had died.

It took me a while to understand how the mild tremor I had felt could be capable of causing death. Minor injury I could accept, but death simply didn't fit. Eventually, I convinced myself of the great difference that must exist between an earthquake at its epicenter and what I could feel in Pasadena. But even now, looking back, it doesn't seem quite right.

In Nebraska, when you're in a natural disaster, you know exactly what it's like. Tornadoes and floods don't have epicenters; you're either there or you're not. If you're not, you don't even try to judge what it's like; you know you have no idea and just listen to the news reports. If you're there, you have a

perfectly accurate feeling for exactly how deadly the storm is; everyone gets it just like you. You have a shared experience. You can talk to other victims, even if they're miles away, and say, "I know what you've been through. I've been through it too." I have no idea what the residents of Northridge went through. I learned about it on the news, just like I would have if I'd stayed home in the Midwest. The slight shaking I felt had nothing to do with their experience.

I have often remarked how boring the Southern California climate is. California, I have often explained, has no weather, or at least very little. It has no rain, wind, or cold to speak of. It's always the same thing, day after day, never changing. The earthquake hasn't

see MIDWESTERNER, page 5

## Lee A. DuBridge 1901-1994

by Zackary Dov Berger

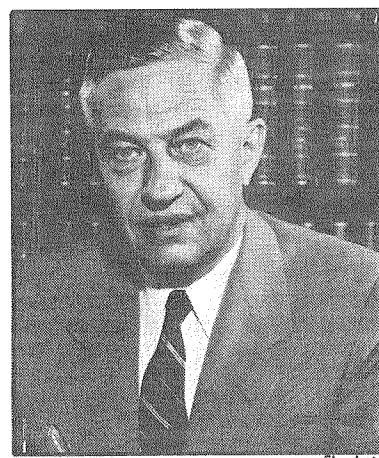
"He was a great man," repeated Institute President Thomas Everhart several times. "Just a great man." He was remembering President Emeritus Lee A. DuBridge, who died Sunday morning at his home in Duarte at the age of 92.

It was only after Everhart became president, and during DuBridge's last years, that he met the man, the Institute's second president after Robert A. Millikan. "I remember the unveiling of [DuBridge's] portrait in the Athenaeum," said Everhart. "I was very impressed...he was just terrific in the way he complimented every group in the audience individually—alumni, trustees, students. He did this almost effortlessly, with grace."

"He was," said Everhart again, "a very gracious man."

DuBridge was ill and in the hospital during much of the past few years; Everhart often went to visit and talk to him: "I learned about him and Caltech...at 85, he was mentally very bright. He knew a wealth about the country, and had seen a huge amount of history."

DuBridge served as president for twenty-three years, from 1946 until 1969. "He followed Millikan, who himself served more than twenty years; the Institute had two presidents in half a century," Everhart mused. "These very long terms are unusual. Certainly terms



file photo  
Dr. DuBridge during his tenure as Institute President

these days are shorter. Maybe it's that we're appointed at an older age."

A young man for a young Institute, DuBridge needed a long tenure to complete his primary task: "taking the Institute from its activated wartime state to a different, steady state," as Everhart put it. DuBridge changed the face of Caltech—increasing the faculty, number of campus buildings, and budget. DuBridge introduced the Institute to what is today its main livelihood: At the beginning of World War II, Caltech received no government grants; since 1950, fully half of Caltech's support has been due to this source.

Everhart was asked what he had learned about running the Institute from talking to DuBridge.

see DUBRIDGE, page 2

## ASCIT elections continue

by David R. Derkits

Congratulations to the ASCIT officers elected by majority vote in Monday's Presidential Election. Angie Marie Bealko is President-Elect, and Chris Bryant is Vice-President/BOC Chairman-Elect. Cherish Bauer, Jeff Denniston, Tom Grundy, Wei-Hwa Huang, and Ken Lee are the Tech Editors-Elect. All these individuals will take office in early March. Bylaw amendment #1, to increase the price of the Big T, failed with 62% approval (two-thirds was required for passage). Amendment #2, to eliminate the appointed position of Publications Darkroom Chairman, passed with 71%. The traditional amendment, #3, failed in traditional fashion.

Nominations for the remaining ASCIT elected offices are open until Tuesday, February 1, at 5:00 p.m. If you are interested in running for Secretary, Treasurer, IHC Chairman, Director for Academic Affairs, Director for Social Activities, Upperclass Director-at-Large, Freshman Director-at-Large, Athletic Manager, or BOC Secretary, please print your name on the nomination sheet posted on the east side of Winnett (outside the MOSH's office) and follow the directions. A reminder to those who have already signed up: campaign statements are due to the Tech by 5:00 p.m. this Wednesday, February 2. All nominees are strongly encouraged to submit statements. The ASCIT Officers Election will be held on February 7, 1994.

*The California Tech*

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# letters to the editor

## More Nefarious Gangsters

To Huy Thanh Cao:

Regarding your letter in the January 21 *Tech*, I wonder who at Caltech you believe teaches that the Founding Fathers were "Nefarious Gangsters," and which professors here invented what you term "a cosmology of victimology." I've been teaching American history and political science here since 1969, and no one I know of has taught anything like this. Don't you have some responsibility to be specific in your charges?

I also take it that your phrases "hacks, demagogues, and professors of victimology psychology," are mere rhetorical flourishes and not meant to have any specific local reference. Do you mean to implicate anyone in particular?

In passing, I might note that the Supreme Court never rules that slavery was contradictory to the Eighth Amendment. Slavery was outlawed by the Thirteenth Amendment, which was passed in 1864 and was not part of the original Constitution. Whether the ideas of the Declaration of Independence contradicted slavery is a matter of too much complexity to discuss here, but it is by no means unambiguous evidence of the Founding Fathers' attitudes on African slavery.

It is also misleading for Mr. Goins to have said that the Constitution provided important institutional support for slavery. It at least protected slavery from being abolished in the states where it existed against the will of slaveholders there. As interpreted by the Supreme Court in, for instance, the 1857 *Dred Scott* case, the Constitution even

prohibited Congress from banning slavery in the territories. This is why William Lloyd Garrison, the great abolitionist, called the Constitution "a Covenant with Death."

Perhaps you should check your facts a bit more carefully before you write your next public letter.

J. Morgan Kousser  
Professor of History  
and Political Science

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors@tech.caltech.edu.

*The Tech* reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason.

continued from page 1

## DuBridge

He paused. "Caltech has changed an awful lot since that time, and so we didn't talk much about the day-to-day managing of the Institute. But I did learn the importance of a very stable budget, so that people can count on things: a secure place to work, not worrying about if there'll be a class to go to or about getting laid off like at other California schools.

"There have been many changes over the years: in society, in the role of women. The Institute is still changing. In the past often one individual could make these changes—now everyone has to go along together."

Everhart took off his glasses and rubbed his eyes. "He had a dynamic style, a terrific style for the time. In an editorial [Wednesday morning] the *L.A. Times* called him 'the right man for the right time'—and they were right."

"The Trustees who elected him," finished Everhart, "should get a lot of credit. They were smart and fortunate."

He paused again. "He was a great man."

*Caltech's memorial service for Lee Alvin DuBridge will be held on February 15th at 4 p.m.*

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Ernest  
Tomlinson

# Ernest Explains

Dear Ernest,

I'm an avid reader of science fiction, but it seems that I never see any stories in the genre from before the 1930's or 1940's. When was the first recognizable science fiction story published?

—A curious SPECTRE member

Dear Gorm,

Science fiction has probably always been enjoyed by people of all cultures, but the first written SF manuscript was probably a widely-copied ancient Minoan scroll called "The Adventure of Bonthos the Cadet." "Bonthos" tells the tale of a charismatic, fast-living space pilot in a futuristic, spacefaring society. The story was spread all over the ancient Mediterranean by Phoenician traders, and remained wildly popular for centuries (references to "Bonthos" are common in classical works even as late as Cicero). The story, which foretells such devices as lasers, rockets, and computers, was probably considered fantasy in its time.

Dear Ernest,

What's the square root of 5?

—Lost my Calculator

Dear Lost,

Approximately 2.2360679775.

## Giant Steps

the development of  
James MacLeod, 2

by Dorothy "Dot" MacLeod



This week, little James began teething again (perhaps this is an early start on his first molars!). I took his teething rings out of the cupboard again, and chilled them—when he chews on the cold plastic, it soothes his gums.

I've been trying to convince James to give up his pacifier for several weeks now, but he cries uncontrollably whenever I take it from him at night. So far, he doesn't seem responsive to bribes of money or power. Perhaps I should try to make him more worldly.

A warm thank-you to all the kind readers who sent cards after James's last ear infection. We enjoyed reading every one. In the future, however, please note that James is allergic to roses.

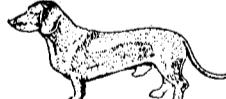
Since he began walking, James has become more curious than ever—we've had to install plastic covers over the electrical outlets to keep him from shocking himself.

Until next week, God bless!

*Dot.*

## The California Tech

**VOLUME XCV, NUMBER 14**  
**JANUARY 28, 1994**



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**The Accompanist**

Daily 5:00, 7:20, 9:40 p.m.

Sat-Sun Bargain Matinee 2:30 p.m.

Starts Wednesday, February 2:

The Scent of Green Papaya

**Africa**

UN officials are worried by the decrease in peacekeeping forces in Somalia. They fear an outbreak of hostilities is imminent.

**China**

In an effort to resolve trade conflicts with the U.S., China agreed to open five prisons and record books to U.S. inspection. Secretary of State Christopher announced on January 23 that China has not done enough to renew its preferential trading status with the U.S.

**Eastern Europe**

UN secretary Boutros-Ghali held back from ordering any air strikes over Bosnia against the rebel Serbs.

**Japan**

Japan's Prime Minister, Morihiro Hosokawa, may resign. This follows the defeat of his reform package in Parliament.

**Mexico**

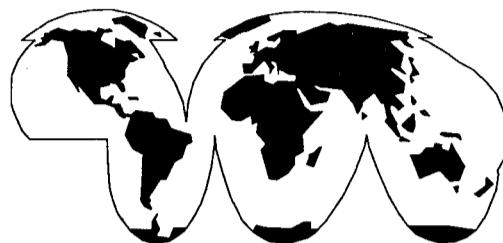
The Mexican government is waiting for a reply from the guerrillas in Chiapas concerning peace talks. Anxiety is increasing within the government as the Zapatista National Liberation Army rouses other

ers (peasant unions and other rebel groups) to rebellion.

**Middle East**

The Israeli Prime Minister and the PLO leader met in Oslo, Norway over the weekend. Issues on the peace accords remain unresolved. The two leaders are scheduled to meet again this Saturday.

# World News



by Connie Chang

**Russia**

The Russian chemist Vil S. Mirzasyanov expects to be arrested for his refusal to appear at a closed-door trial. Mirzasyanov publicized a covert weapons program and is now under prosecution for revealing state secrets.

President Yeltsin appointed a new Cabinet dominated by older, Soviet-trained managers who favor government subsidies to revive production and to cushion Russia's

transformation to a free market economy.

Boris Fyodorov, Russia's Finance Minister, resigned. The young reformer lost his influence in the new Cabinet.

**Spain**

Unions have threatened to shut down Spain for 24 hours on Thursday. This strike is to protest government attempts to abolish labor laws that have provided workers with job security for forty years.

**Ukraine**

Ukraine's Parliament debates on the nuclear disarmament agreement that President Kravchuk signed with Russia and the United States. A vote on the matter is expected to occur on Friday.

**United States**

On January 25, the Clinton Administration announced its plan to give \$6.6 billion in aid to the earthquake stricken areas of L.A. and Ventura counties.

The Clinton Administration, in response to a North Korean troop buildup along the border, is considering sending Patriot missiles to South Korea.

## ASCIT minutes, January 25

by Karen Shih

Present: ASCIT BOD, Jennifer Tritschuh, Dave Derkits, Chris Bryant, Joan-Marie Gimbel, Alison Slemp, Garrett Choi, Steve Young, Rich Zitola, Andrea, Vikas Duvvuri, Anh Ly, Gavin Claypool.

**New Business**

- OASIS is hosting a classical concert and catered dinner in Dabney Hall on January 28th, 6:30 P.M. and requests ASCIT sponsorship. Motion to assist with \$100 passes (8-0-0).

- VSA and CCF pick up club money. Motion to give VSA money from third term last year passes (8-0-0).

- Dabney and Ricketts are going ice-skating. Picking up \$200 multi-house social subsidy.

- little t—final budget figures; there are still some loose ends. However, the editors' job is complete. Motion to approve payment of salaries for the editors passes (7-0-1).

- ASCIT Elections—Congratulations to the winners of the initial race. Nominations for the remaining ASCIT offices open tomorrow morning at 8:00 A.M.

**Director of Academic Affairs**

- Student-Faculty Conference—February 25th, Baxter Lecture Hall, 10:00 A.M.—6:30 P.M.

**Director of Social Activities**

- Installations are set for March 1, 1994. Motion to go to Steele House instead of the Athenaeum passes (8-0-0).

**Upperclass Director-at-Large**

- The old van will go up for sale in the Tech.

**Dean Kiewiet**

- is concerned about the use of the new van in recent Southland disasters [sorry about that—wild gonzo eds.].

**IHC Chair**

- Student-Faculty Committee appointment will begin soon for the unexpected vacancies.

**BOC Chair**

- Georgia Tech called for advice on establishing an Honor System.

- Possibilities of a change machine in the North House Laundry Room.

**President**

- There are new folders and notebooks available for the outgoing BOD members to organize all papers and documents relevant to their offices.

The weekly *California Tech* staff meeting will be held today (Friday, January 28) at 12:15 P.M. in the Coffeehouse. Free pizza and soda will be served. All members of the Caltech community are encouraged to come and find out more about our newspaper.

12/15-1/2 A bike was stolen from the Dabney house courtyard area.

It was secured to a wall bike mount with a kryptonite lock. The bike mount was removed with the bike. There were signs that someone had attempted to cut other U locks in the area with a pair of bolt cutters. \$250

1/15-18 A bike was stolen from in front of the south entrance of Page. The bike was not secured. \$150

1/12 8:00 A.M.—1/13 6:00 P.M. The trunk of a student's car parked in the South Lura parking lot was broken into. The keywell showed signs of a forced entry. A briefcase and flashlight were stolen. \$140

1/12 1:00-8:30 P.M. The rear wheel was stolen from a bike parked on the east side of 446 Catalina. The wheel was not a quick release type but had to be removed from the bike frame. \$70

1/17 10:30 A.M.—1:00 P.M. The passenger side window of a vehicle parked on the south side of California was shattered and a pullout stereo was removed. The bracket was pried but was not taken. \$160

1/17-18 6:00 P.M.—9:00 A.M. A bike was removed from the bush to which it was secured at the rear of 200 S Catalina, by cutting the bush. \$300

1/18 9:50 A.M.—5:30 P.M. A bike was removed from the bike rack at the northwest corner of the Ath. It was secured with a heavy cable and lock which were also missing. \$176

1/18 6:40 P.M. A member of faculty was walking on Holliston when he was approached by three black males who demanded money. One of the men punched the victim on his nose and at the back of his neck. The men took the victim's money but left his wallet.

1/19 10:00 A.M.—5:30 P.M. A bike was removed from the bike rack at the southwest corner of BI. The bike was secured with a combination lock and chain. \$67

1/22 5:30 P.M. A Fox 11 news camera was stolen from in front of South Mudd. It was on the ground while its owner loaded other stuff into a vehicle. \$40,000

1/23 3:00-4:00 P.M. The passenger side window of a vehicle parked on the west side of Wilson was shattered and a stereo was stolen.

**This week's total: \$41,313**



## The OLD ASCIT VAN is

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"AS IS" to the HIGHEST BIDDER.

Please send your written bid to Gisela at MSC 287 or giseplv@cco by February 7, 1994. The buyer will be announced at the ASCIT BOD meeting on February 8. Bids are subject to acceptance by the Board of Directors.

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## Y. P. Fang discusses paper recycling

by Margaret Belska

Many of us do our good deed and recycle paper, but little do we think about what happens to it after it gets carted away to the recycling center. Y. P. Fang from the Simpson Paper Company explained this long and complicated process in a lecture entitled "How Recycled Paper is Manufactured" last Wednesday, January 26, at noon.

One of the first things Fang pointed out was that there are no standards in the paper recycling industry. Each company has its own system of indicating how much of its paper is coming from recycled material and how much is virgin pulp. The Simpson Paper Co. produces both 50/10 and 100/100 paper. 50/10 indicates that the paper has 50% total waste content, 10% of which is post-consumer waste. The 100/100 paper is made completely from post-consumer waste.

Usually the material that goes into making paper includes post-consumer waste, virgin pulp, post-

industrial waste, and mill broke. Mill broke is the waste produced in the process of making paper. Because of all the different materials used, even a 50/10 paper might only have 10% of virgin pulp in it.

The paper recycling industry is, like any other industry, controlled by consumer demands. Everyone wants the best quality paper for the lowest price. Unfortunately, the cost of making recycled paper equal in quality to paper made from all new materials is higher. This means that recycled paper is either going to cost more, or not be quite as clean or bright. In other words, keeping the recycling paper industry in business is up to the consumer. They must either be willing to pay a little extra, or lower their standards some for paper recycling to profitable. The highest standards are set by the publication industry, since any flaw in the paper on an ad may result in a product not selling, resulting in lost money.

The high cost of producing re-cycled paper comes mostly from

turning post-consumer waste into usable material for paper making. After the material arrives at a recycling center, it is sorted into its proper category. Because of the many different types of paper on the market and the different types of inks used, each one has to be recycled separately. Unfortunately, there is no mechanized way to do this, so everything must be sorted by hand. It takes more than a hundred people working in one plant to go through all that paper.

The next step is the de-inking of the paper. This five step process includes turning the paper in a ground pulp, washing it to remove the clear coating that's applied to some papers, flotation, a multi-step process to remove the ink, screening to remove any particles larger than 40 to 100 microns, and cleaning, where small heavy particles are removed by the use of gravity.

The lecture was very interesting and informative, but most of all, it made me realize that rather than just recycling paper, it is important to use recycled paper as well.

## Now playing at the Academy

by Michael Kantner

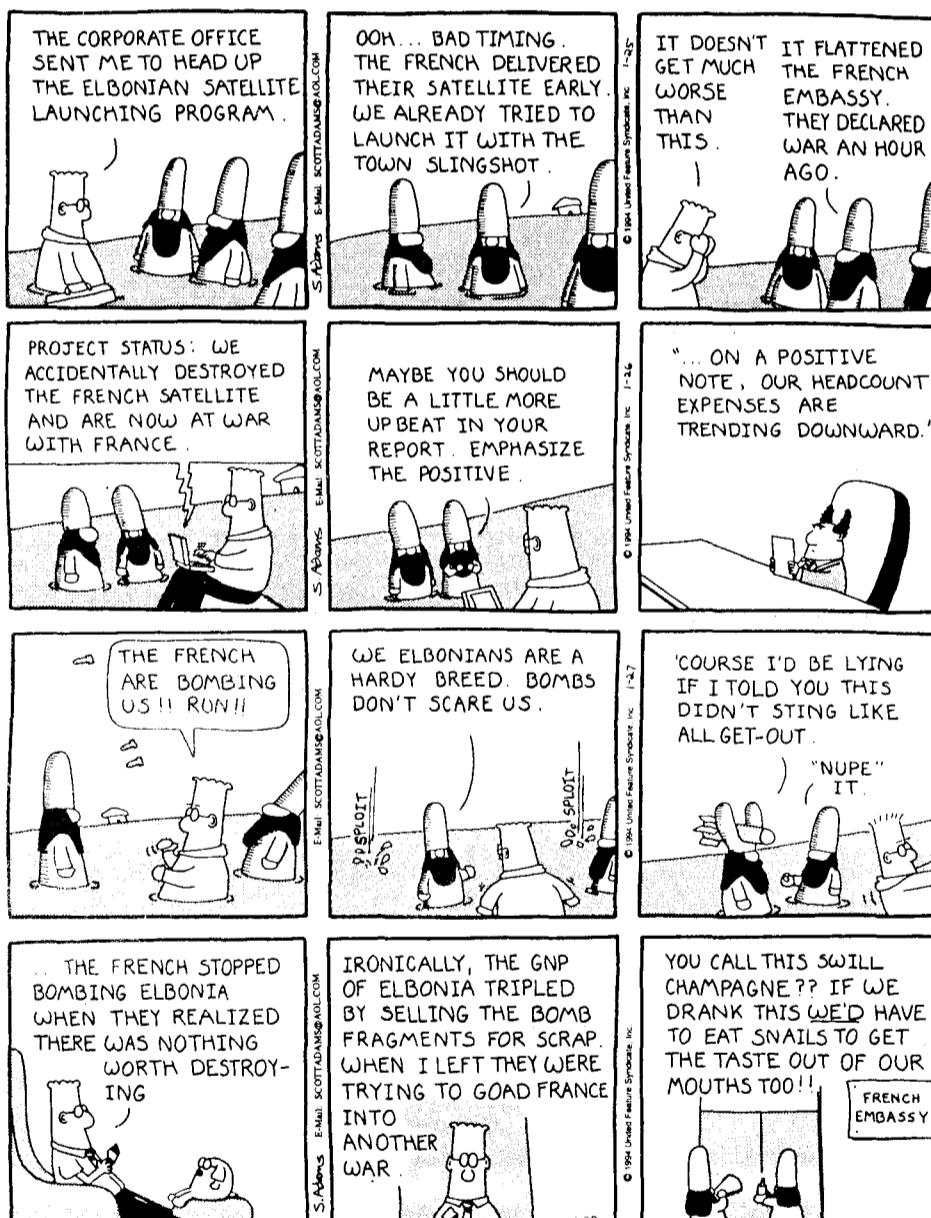
Going to the movies is usually an expensive evening. However, for a third of the price of a pizza, you can see two terrific films. The Academy Theater is currently showing *Like Water for Chocolate* and *The Age of Innocence* as a double feature.

*The Age of Innocence* has been selected consistently as one of 1993's best films. Directed by Martin Scorsese, it is a story of devotion and temptation. Daniel Day-Lewis plays a man living in New York in the nineteenth century, suppressed by the rules of society. He must remain faithful to his wife (played by Winona Ryder), the perfect socialite. However, he is attracted to his wife's cousin, a countess (played by Michelle Pfeiffer) who has little regard for etiquette. The acting is great, the story is good, and scenes are terrific.

*Like Water for Chocolate* is perhaps an even better love story. In a

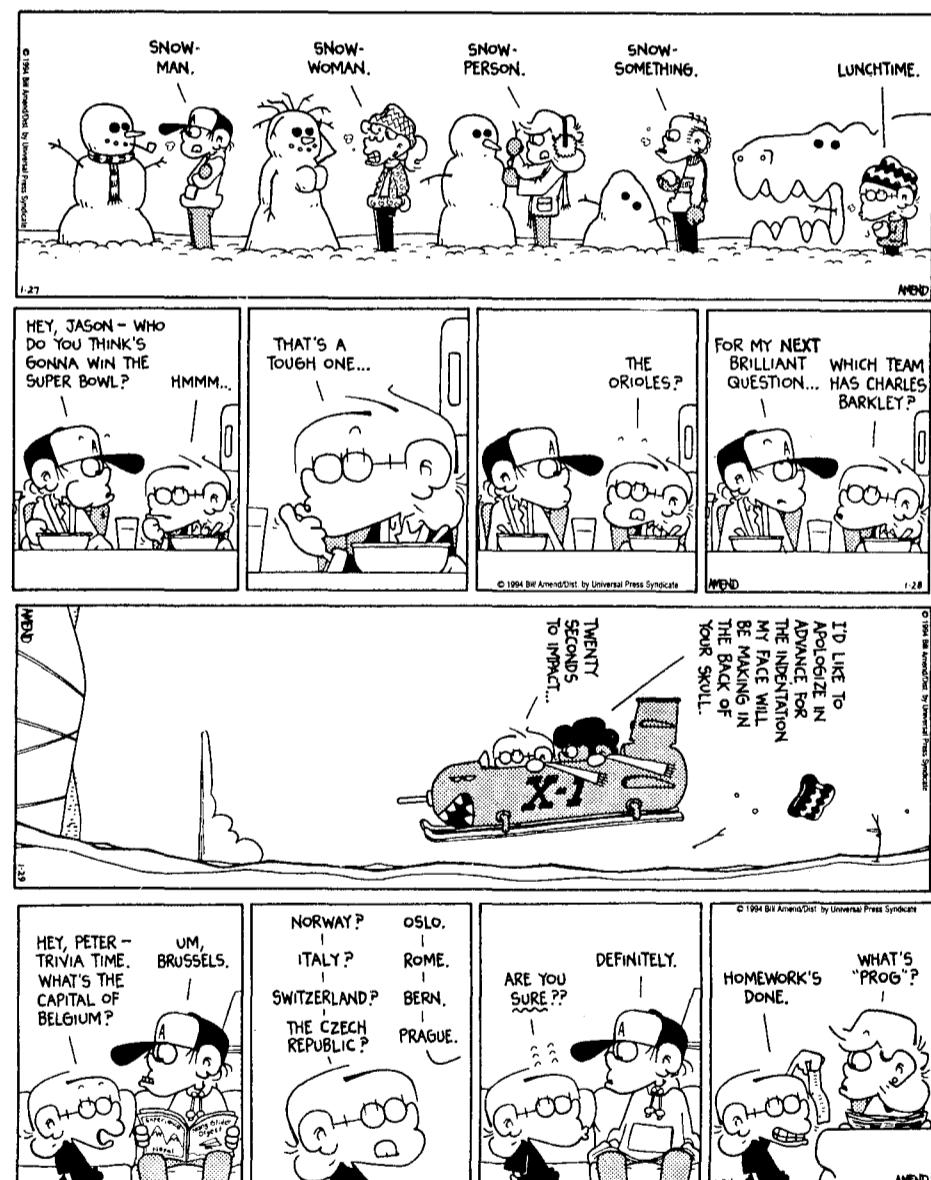
mixture of Spanish (with subtitles) and English, it tells the story of a forbidden love. Due to a family tradition, the youngest daughter is not allowed to marry. The man she loves marries her older sister, so he will always be near the family, and the woman he truly loves. Unable to openly show her love for him, the youngest daughter is forced to find other means. In addition to secret rendezvous, she also expresses her love through cooking. While this description may sound silly, the story is not. It is very difficult to describe without telling too much. The movie is definitely worth seeing.

Even if love stories aren't your favorite, the Academy has other double features at bargain prices. Tickets are normally \$3 (for two movies) and only \$2 on Wednesday. The Academy is located at 1003 E. Colorado (at Catalina), only a short walk from campus. For show times or more information, call (818) 585-2278.



## FoxTrot

by Bill Amend



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## TONIGHT'S ASCIT MOVIE

### Rising Sun

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## Former Astronaut to Speak

Dr. Eugene Trinh, payload specialist aboard STS-50, the U.S. Microgravity Laboratory 1, will be speaking for Caltech SEDS on Monday, January 31 at 7:30 P.M. in the Salvatori Seminar Room in South Mudd. All members of the Caltech community are welcome. For information, please call Ben McCall at x2902.



**H. JEFF  
KIMBLE,  
GONZO  
GARDENER**

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**NAIVE RAMBLING  
THE AGE OF  
INFORMATION**

PAGE 500

**REALLY  
HEAVY  
SHOES**

PAGE 1024

**UNBELIEVABLY  
SAPPY  
ARTICLE  
ABOUT A  
TRIUMPH OF  
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I am Joe's Left Kidney .....	Prevention	23
Grampa's Strong Hands .....	Bil Keane	45
Homosexuality: the Only Moral Choice .....	The National Review	51

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I am Joe's Right Kidney .....	Self	78
A Day No Pigs Would Die .....	From the short story	88
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House	IW #1	total
Avery	0	0
Blacker	0	0
Dabney	4	4
Fleming	0	0
Lloyd	0	0
Page	0	0
Ricketts	0	0
Ruddock	0	0

totals from last term

Avery	0
Blacker	5
Dabney	11
Fleming	3
Lloyd	1
Page	6
Ricketts	7
Ruddock	3

All Inside Worlds must include the author's name • Inside Worlds can only be written by current undergraduates • The Editors reserve the right to edit any or all parts of an Inside World • No libelous material will be accepted • It is the author's responsibility to check material written about a person to see if that person considers it libelous • Please submit a 3.5" Macintosh disk or e-mail to iw@tech by 5 P.M. Friday, one week before the publication date



One little plant changed

my whole life

## The Shrub and Me

Condensed from LADIES' HOME JOURNAL  
BEATRICE WHITMAN

I will never forget the day that my grandma drove to her house, got out of her car, and said "Here's a shrub." At the time, I wasn't all that impressed, though.

The shrub was sort of scraggly-looking, and it had the remains of abandoned birds nests strewn about on its barren branches. Next to the lush opulence of grandma's beautiful rose garden, which lay just behind it, the shrub looked pretty much just dead. So, I nodded my head to her remark and followed her inside.

The next day, as I was leaving, I looked at the shrub again. Something near the ground caught my eye, so I bent down to look closer. One of the shrubs rootlets had been exposed by erosion, and it looked like it was about to expire from the lack of good topsoil, so I ran into grandma's garage, grabbed a shovel, and returned to the aid of the shrub. Looking hastily about me for some source of good fresh humus, my eye lit on grandma's rose garden. Quick as a flash, I had uprooted several of her prize rosebushes and shoveled the rich black dirt onto the poor little shrub's exposed root.

Still, while this seemed to have an immediate effect on the root, my lovely little shrub was failing fast. The leaves were withering before my very eyes, like styrofoam in a hot fire, and the branches were becoming dry and brittle. My mind raced as I sought a cure for my shrub's predicament. In high school biology class, I had learned that plants need air, water, soil, and light to grow,

but my shrub had all of these in plentiful supply. Then, I remembered that grandma had an extensive library in the east wing of her cottage. I dashed inside, and my eye immediately fell upon a book that looked like it would have all of the answers about shrub rescue that I need, judging from its great size and the pretty pictures of trees and animals on the cover. It was called *The Necronomicon*. After a few hours of reading, I knew what had to be done.

She was asleep when I burst in. The noise startled her, and she began to sit up in bed, but I quickly grabbed the heavy porcelain lamp on the nightstand and brought it down on her head, smashing it to pieces and rendering her unconscious. The force of the impact cut a deep gash in her forehead, which began to spurt brilliant scarlet blood. Looking at it reminded me of the day she had taken me to the city and we had run over a fire hydrant. I smiled a bit at the pleasant memory. Then I dragged her inert form into the garden, where my makeshift altar lurked in wait.

From that day on, my precious shrub was in the best of health, and I had learned a valuable lesson in charity.

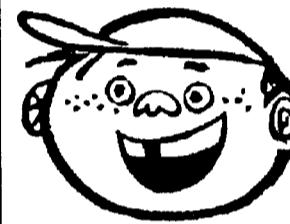


### CONTRIBUTOR'S CORNER

Carrie Griffin, Caltech undergraduate and noted punk guitarist, likes to read her Inside World while listening to jackhammers and explosions in her fabulous Beverly Hills home.

"It just seems somehow appropriate to hear the sounds of civilization at work while I read stories from the raw cutting edge of modern literature," she explains.

Griffin, whose latest magnum opus appears in this issue, is currently orchestrating a joint effort between such diverse groups as The Clash, Duran Duran, Nirvana, Menudo, and the L.A. Philharmonic to raise money for impoverished people they don't know. The groups, working under the name Ussa for Themma, are planning to release a record sometime in February.



### DRAMA IN REAL LIFE®

## TRAPPED! Under 50 tons of slag!

He was trapped under fifty tons of molten steel.

Would he survive to see his daughter's school play?

BY MARTY PLOTNIK

RAY CONNOLY checked the temperature gauge, making sure everything was operating smoothly. Ray was a 15-year veteran at the Williamstown steel mill, and he was proud of his excellent record on the job. It was interesting work, and it paid well.

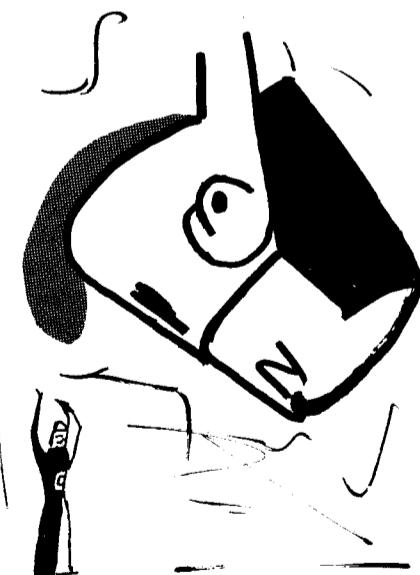
After checking that all was well, Ray stepped out onto the main floor of the steel works. Huge crucibles were lined up on either side of him, full up with molten iron.

Ray inspected the machinery. Perfect, just as he liked it. Suddenly, without warning, there was a huge groaning sound from behind him. Ray turned to see one of the crucibles tipping, spilling molten metal over the side. Ray screamed, but to no avail. He was trapped under fifty tons of molten steel!!!

Jim Wagner was sweeping a catwalk overhead, pondering the day's events, when he heard the scream. There, below him, lay Ray Connolly, trapped under fifty tons of molten steel!!!

As the slag engulfed him, charring his skin and turning his bones to ash, Ray wondered if he would see his family again. "Christie's school play is today," he thought. "I was really looking forward to it. And Jill was planning to make a special dinner. I'd hate to miss that."

Meanwhile, Wagner had gone for help. The local fire department was cal-



"Take your places, gentlemen." Mark Forster's heart lay still. It was those very words he had worked so long to hear.

At the signal, Mark took off. This was the race. This was the time.

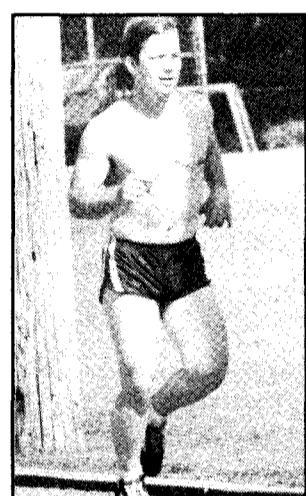
"HURRY, MOMMY!" Mark Forster, age nine, was always running somewhere. He loved the feeling of the wind on his face, of his legs churning beneath him. Now, although he was only crossing the street, he still felt the need to run.

"Hurry!" Mark shouted again, running into the street. Mabel Forster looked in horror as a careening Chevette slammed into her only son, throwing him across the street.

Mabel rushed to Mark's side. "Mark," she sobbed, "Mark can you hear me?"

"I love you, mom," Mark gasped, letting out his final breath.

MARK REFUSED to let death keep him from doing what he loved. Even after doctors told him he'd never run again, Mark maintained that he would one day recover. "I'm not going to let death beat me," he said, "My



## Mark Forster's Race Against Time



The Olympic Champion would not let death conquer his drive to achieve.

BY RICHARD FANLEY

5

parent's didn't raise a quitter."

Mark maintained a grueling rehabilitation schedule, spending up to ten hours a day trying to reverse the effects of rigor mortis and to regain control of his legs.

Gradually, bit by bit, Mark's efforts paid off. Soon, he was out of bed, hobbling around the house with the aid of a cane.

Mark wasn't done with his rehabilitation, though. During his physical therapy, he had met Brad Kerns, a former Olympic relay runner and high jump champion. Kerns encouraged the young boy to follow his dreams and return to running.

And return he did. By the time Mark was a junior in High School, he made All-State in Track and Field. Not only did Mark have to cope with the grueling schedule of a top-class runner, he had to put up with the cruel taunts of others. "Zombie", they called him, or "Dead Weight", or "Freddy". "It was tough," Mark recalls, "but it was worth it. I was getting stronger every day. It was about that time that I began thinking about the Olympics."

IT WAS KERNS who first mentioned the Olympics. Kerns jumped at the chance. "It was more than winning. I was out to prove that my disability was not an obstacle unless I wanted it to be."

## "Strike Three" strikes it big

# LABOR OF LOVE

Condensed from T.V GUIDE  
BY JESSE VENTURA

HOLLYWOOD WILL BE SHAKEN next fall when a new series premieres on NBC from renowned director Peter Dervan. "Strike Three," produced in part with a grant from the National Endowment for the Arts, aims to portray the world of the blue collar worker more realistically than ever before.

The series will follow the adventures of three professional labor negotiators, Jimmy "ten-spot" Stetson (Harvey Korman), Lisa Devereaux (Shelley Long), and Albert Jackson (Mario Van Peebles) as they travel around the country breaking strikes for large corporations. Each week, an

ensemble guest cast of laborers will provide subplot interest a la "The Love Boat," while the team works to end the dispute.

The pilot will be set at a big-three auto plant in Dearborn, Michigan, and will feature many big-name guest stars, including Carol O'Connor as a cranky, yet lovable assembly line foreman and Pierce Brosnan as an underhanded vice-president.

Network executives say that the show is expected to be popular with audiences of all ages, and will air during the 8-10 p.m. prime time hours.

"We see this as an exciting chance to provide programming for

6

## Quotable Quotes

“

"It is odd—and charming—to talk to an intelligent woman who is not a prostitute."

—Gore Vidal, *Creation*

"Love wears a white Stetson."

—Keith Richards

"Do unto others first."

—Bobby "The Brain" Heenan

"These guys are pretty good, for a bunch of mimes."

—Butt-head, on *Kiss*

"I tell them that if they will occupy themselves with the study of mathematics they will find in it the best remedy against the lusts of the flesh."

—Thomas Mann, *The Magic Mountain*

"My mother believed that if you go out of your way to be friendly to people, they will take a liking to you, but this philosophy never worked for me, because I was a leper."

—Garrison Keillor, *The Book of Guys*

"Political power grows out of the barrel of a gun." —Mao Zedong

"Don't tell me about the law, boy. I am the law." —Michael Brundage

"I don't want to achieve immortality through my work—I want to achieve it through not dying." —Woody Allen

—Lemmy Kilmister

99

"It's only insanity, I should learn to live with it.....right?"



### ATTENTION PSYCHOSIS SUFFERERS

#### It's time to talk to your headshrinker.

Take the insanity test.

Do you experience these symptoms?

Yes

No

1. Frequent attacks of paranoia

2. Frequent use of hallucinogens

3. Other personalities waking me up at night

4. A taste of dead mice in my mouth

5. Burning sensation in my cerebellum

6. Discomfort after a long night's raving

7. Difficulty acting rationally

If you experience one or more of these symptoms frequently, talk to your shrink.

Frequent insanity may be a sign of a more serious psychological problem.

Your shrink has embalming plans that can help.

Frequent insanity. Isn't it time you talked to your headshrinker?

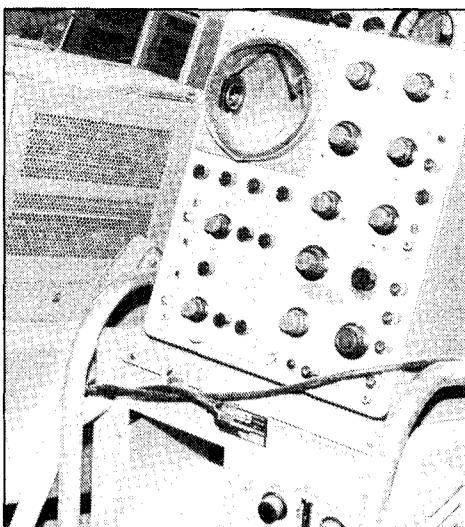
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# It Pays to Enrich Your WORD POWER®

BY DR. FUNKENSTEIN

THE AGE OF INFORMATION has been a topic of speculation and discussion since the advent of Robbie the Robot. For this month's test, I've asked a computer-literate friend to select words that are common in the lingo of Internet users everywhere. How many of these words do you know? Turn the page to find out.



1. warlord *v.t.*—A: to beat into submission. B: sodomize. C: mock. D: all of the above.
2. Kibo *n.*—A: kibbutz. B: bebop. C: kippled herring. D: the One True God.
3. hack *n.*—A: saw. B: computer peddler. C: hey hey hey.
4. foo *n.*—A: mistake. B: function. C: female circumcision. D: pizza.
5. baud *n.*—A: smut or pornography. B: body. C: North Atlantic fish. D: Luftwaffe officer.
6. DOS *n.*—A: proscriptions ("dos and don'ts"). B: var. of *doth*. C: to sleep. D: inexpensive variant of the powerful operating system, VMS.
7. hexadecimal *v.i.*—A: to curse a numeral. B: to swell. C: to format, *esp.* a disk.
8. bit bucket *n.*—A: slaughterhouse waste container. B: section of disk for small files. C: small pail.
9. floppy disk *n.*—A: back disorder suffered by hackers. B: your mother, more like. C: 1800's.
10. sysadmin *n.*—A: cloistered nun. B: devourer of worlds C: freshman.
11. email *n.*—A: flightless bird. B: Buick. C: man undergoing sex change operation.
12. dachshund *v.t.*—A: to insult in public. B: forget to back up your hard drive. C: Richard R. Zitola.
13. knucklehead *n.*—A: real hoser. B: small freshwater fish. C: packaged meat product sold in Joyce's Dublin.
14. bug—A: to annoy. B: special feature in a program. C: creeping insect.

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## Answers to "It Pays to Enrich Your Word Power"

1. warlord—D: All of the above. The incredible versatility of this verb led to the effective domination of 18th century Japan by the Shogun. Old English *wassail*.
2. Kibo—A: Kibbutz. While not precisely identical, the Kibo is a hacker communal farming community, similar in structure to the Israeli kibbutz. "After I finish this game of Nethack, I'm going to spread some fertilizer on Kibo." Latine *kondor*.
3. hack—B: Computer peddler, so named for their tendency to dress as cab drivers and waylay unsuspecting passengers; as, "He was lured away by the hack and slaughtered." Middle French *haq* (duckling).
4. foo—D: Pizza, as, "Go call Domino's and get some foo." Modern Basque *fauve* (pot pie).
5. baud—C: North Atlantic fish. The baud is much sought after for its superior taste and slimy texture. Cape Baud is named for it. Norwegian *bod*.
6. DOS—C: To sleep; as, "I was working on my CS 2 project all night long, and I was going to turn it in just before lunch, but I was overcome by a sudden desire to DOS, and I didn't stop until Thursday night." Middle High German *döss*.
7. hexadecimal—C. To format, *esp.* a disk. Ever since coding on computer disks was changed from binary to ternary, hexadecimal formatting has become a popular way to convert between the bases two and three used on the storage medium, and the base ten stored on the computer screen.
8. bit bucket—C: Small bucket. The bit bucket collects all of the binary digits that fall off the ends of registers. Periodically, a trained computer technician must be called

in to empty it, or the computer will freeze up.

9. floppy disk—A. Back disorder suffered by hackers; as, "Why didn't I do the assignment? Uh, I had to go to the chiropractor and get my floppy disk treated."

10. sysadmin—A: Cloistered nun. It is a little-known fact that, during Microsoft's early years, Bill Gates only hired cloistered nuns as programmers, because they tended to waste significantly less time playing Nintendo games than programmers from other backgrounds. Old French *ciesadmine* (abbess).

11. email—A: Flightless bird, used in industry as the symbol for the speed of electronic mail.

12. dachshund—B: To forget to back up your hard drive; as, "Hey! I have an idea! If we dachshund, we won't have to print a *Rivet* this term! Isn't that a great idea?" Middle High German *dachshund* (small flightless dog).

13. knucklehead—A: Real hoser; as, "Dean Kiewiet is a knucklehead." Middle Dutch *knijkkelhedd*.

14. bug—C: Creeping insect. Early computers were plagued with locusts, causing numerous errors as they chewed through vital cables, and the term has carried over into today's world of insecticide-laced circuitry to indicate an small objects rattling around inside the case of your computer after it is dropped from a great height.

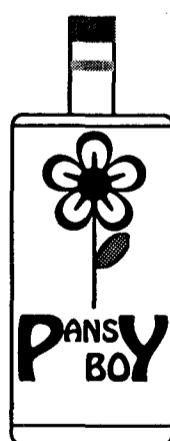
### Vocabulary Ratings

1-4 correct .....	Good
5-8 correct .....	Excellent
9-14 correct .....	Tech Editor

10

## FoodDigest

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Comes in a  
Bottle!



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Enough to make one poet unbearably smashed.

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2. Drink.
3. Repeat 14 times.
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### Wonderful Wormwood

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Why sell your soul to Satan when you can experience Hell here on Earth?

1/2 glass *Pansy Boy® blended absinthe*  
3 shakes of *Tobasco® sauce*

1. Fill a glass half full of absinthe.
2. Draw attention to the fact that you are drinking absinthe by saying something suitably witty (e.g., "Nothing I like more than a glass of absinthe after a long day's brooding").
3. Make wide gestures with a bottle of hot sauce to attract the notice of the crowd. Add 3 shakes of hot sauce.
4. Quickly switch your drink with a nearby glass of Coca-Cola®. Sip your Coke® slowly, demonstrating your iron constitution and severe alcoholism.

### ADVERTISEMENT

A nameless horror stalked the unsuspecting students. Could Glacier Boy finish his homework before it was too late?

## Dabney's Cry in the Dark

BY CARRIE GRIFFIN

IN THE BEGINNING . . . (No, that won't work.)

Call me Englebert . . . (Too tacky).

Call me irresponsible (ha ha ha very funny).

From a little after two o'clock until almost sundown of the long still hot weary dead September afternoon they sat in what Miss Coldfield still called the office because her father had called it that—a dim hot airless room with the blinds all closed and fastened for forty-three summers because when she was a girl someone had believed that light and moving air carried heat and that dark was always cooler, and which (as the sun shone fuller and fuller on that side of the house) became latticed with yellow slashes full of dust motes which Quentin thought of as being flecks of the dead old dried paint itself blown inward from the scaling blinds as wind might have blown them. (Whew—a little long, perhaps—besides, this isn't Mississippi or Oxford at all).

It was a dark and stormy night. Sort of. Well, it wasn't very stormy but the smog was obscuring most of the clouds if that counts for anything. All was shadows as a lone figure furtively lurked in the darkness, itself blacker than even the twisted and grotesque shapes the pillars threw upon the walls. Suddenly two figures emerged from a large wooden door. The black shape hissed as it drew back into the shadows—there was a thump, a shlick, a muted cry, and another thump, shlick then . . . silence. The

blackness slunk away, leaving two lumps on the ground. Suddenly the lumps disappeared, and picoseconds later, so did the formless black shape. All was quiet again except for the muted screams coming from the back room where the luckless students in AMa 95 were thrashing and wailing and—but that's another tale of misery, deceit, and despair.

Later that night, uh—the next morning a group of dedicated—forcefully dedicated—people pondered upon the mysteries of the universe as the life-force slowly oozed from them. Of course, since they were freshman they still had most of it left and therefore looked marginally alive, versus the bloodshot-eyed demons (formally called upperclassmen) that shuffled through the halls.

"Hey Aaron—if you were sliding off a hemispherical mound of snow 50 meters high, if you flew off at an angle of 23.6784 degrees from the horizontal, what strength of bungee cord and length would you need to fly far enough to grasp the tree 10 meters away without breaking the closest branch which you grasped which has a radius of 5.34 centimeters. Oh, and you can grab the trunk if you have approximately 10.3 seconds so the branch only has to hold you for that long," Alan asked.

"It's easy," Aaron replied as he looked up with glazed eyes. "The FFF has bungee cord tensile strength tables—but remember, the problem also limits you to \$2.47 for expenses. I

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finished that problem 6 hours ago— around midnight."

Alan groaned in pain as he reached up to the bookshelf. "Hey- where's the FFF? I can't do this problem without the FFF!" he wailed. "Librarian— where's the FFF?"

The librarian glared at Alan with large, purple-rimmed eyes. "It's not here. I suppose someone took it from the library again. Why is it the Flame by Flunking Fizzics manual that always disappears?" She spit the words at him. "It'll probably turn up in the Cannes bathroom in Blacker or some other RANDOM place." The bloodshot-eyed demon sitting on the couch groaned in agony at her choice of words then went back to staring at the screen explaining the uses for the Lithuanian pigmy bearamon beast. The librarian turned back to her homework with a sigh and her head drooped forward again. Physics section was in three hours and, worse yet, the freshman were running out of compact discs to play. Suddenly, as the last strains of Meat Loaf were dying away, a door opened. Momentarily all glanced up as another demon shuffled into the room.

"It's Godot!" Seth said. "I knew if we waited long enough—"

Godot cut him short. "They found two bodies in Page this morning."

Alan blinked. "Not so unusual—the Becks got a little rowdy last night probably. I can understand why," he said as his eyes fixed upon the homework set.

"No—that's just the thing. I could understand Becks. But these have been identified as Scurves."

"What?" Aaron asked as the group started up out of their semi-coma states. "How did they end up like that—and why in Page House?"

"I don't know the details." Godot looked grim. "But I heard something about their being stabbed. With a blunt object. As to the other question, maybe some things are better left unasked."

"They're hosed, man!" Aaron said.

The librarian snarled at Aaron. "But how'd they get to Page?"

"It's as if they suddenly changed energy

states—like electrons," Alan gasped.

"Yes, but how did they get from the South Houses to the North—people don't behave much like waves, Alan," the librarian growled.

Godot grimly shuffled off, passing another person entering the library. Annaliese bounced over to the table, leading a large cat-like animal.

"Look, everyone! I never could find an ocecat I was looking for as a pet, so I got this mutated tiger instead! Some breeder had them on sale—isn't he cute? I promise I won't let him eat everyone else's cats—what should I name him?" The animal slunk around the room, sniffing at each person, baring his teeth at some. Miguelito snarled back and the large cat retreated out the door. "What do you think of Newton as a name? I could call him Newt for short."

"Try Fang instead," the librarian said. As Annaliese left, Aaron put down the strange Rubik's puzzle that had been occupying his attention for the last 4 hours and picked up his pencil. 15 minutes later he scooped up his work, stapled it, and made as if to leave.

"Going to bed?" Alan asked.

"No, thought I'd play a little X-wing," Aaron replied as Alan gave him a tortured look.

"May the force be with you," Alan cursed and mumbled something unintelligible under his breath.

Later, as Aaron shot little graphic representations of ships into graphic representations of explosions, he put his one, his prized, his *only* CD into his roommate's stereo. His roommate didn't mind—Steve was working graveyard shift at the Coffeehouse as manager/head bouncer/chief ice-thrower/Disco King. As the soft, sibilant, soothing, sincinnesing, ssiweirss uuuuhgms. As the soft sounds of *Glacier Boy* filled the room, a voice disturbed the air.

"Luke...Luke...use the force, Luke...Let go of your—oh whoops, wrong guy. Sorry" The voice faded into the ceiling. Aaron stared around the room then returned to his simulated lasers. Another voice echoed out of hyperspace, this one of a different timbre.

"Aaron. Aaron."

"Huh, what? Who's there?" Aaron knew it

couldn't be God—besides, he didn't wear braces.

"Aaron—I have a quest for you."

"Who are you?"

"I am the great Bob! Aaron, you must help. A strange force is destroying people. You must stop it. You shall be known as—uh, um, where's those good superhero names when you need them?" Suddenly the entity saw the empty CD case. "Ah—you shall be known among the more-than-mortals as GLACIER BOY! Here, take this book to aid you in your quest—it is the sacred text of Tommy I. The cult of Tommy will instruct you." A large gleaming navy-blue book appeared, shimmering in the air. Glacier Boy grasped it.

"Wow—my own Tommy!"

"You are our only hope—do not fail me or the others." The voice slowly echoed away. And Glacier Boy slept.

After lunch the cult of Tommy met on the Chessboard around the ceremonial icon of Egon, the sub-god, lighted their incense and a candle, and turned to page 662.

"Series, pages 213-260, infinite series, pages 214-217, 218, 220, 223-240, Maclaren series, pages 218, 219, Taylor series, pages 221-222, 235, 237, 238, 240..." On and on they droned in a monotone chant while the freshmen unwary enough to be within hearing stumbled, zombie-like, in a broken circle around the small group of worshippers, chanting their own sinister dirge.

"Aschbacher, Aschbacher!" they wailed and the bloodshot-eyed demons cringed away...

Suddenly, a huge, crazed rhinoceros with the head of the Pasadena Fire Chief charged in through the gate, into the courtyard, and stamped out the candle and incense in a frenzy, screaming "FIRE BAD! FIRE BAD! FIRE BAD!" (No NO NO stop it go away stop it stop it [hit, scratch, hit]—please ignore this last paragraph—there has been an editorial malfunction).

...from the frenzied freshmen. Suddenly, Glacier Boy descended the steps into the seething cauldron of humanity that the Chessboard

had become. He clutched the navy book to his chest, and, breaking through the circle, stopped the chanters in mid-line.

"The Great Bob said you would teach me to use this," he said, tracing the silver letters of the cover with a reverent finger. The freshmen, with glazed eyes, the spell momentarily broken, ran off screaming to Noyes.

"No ordinary mortal could possess a Tommy and not go insane," whispered a worshipper. "You must be... Glacier Boy!" The head worshipper gestured to a spot next to the Egon. "Come, sit with us, and we shall instruct you in the ways of the Tommy." Glacier Boy sat, inhaling the sweet incense and stared he opened his book. His mind opened and he beheld wonders that he had never seen before... (Of course not, he never goes to lecture. What do you expect?)

Two more bodies were discovered in Blacker courtyard—the final identification determined they were Lloydies. Curiouser and curioser said Alice as she reached for the small bottle with the label on it (not again. stop it stop it stop it!) Curiouser and curioser said Glacier Boy, his mind having expanded because of the instruction the acolytes of Tommy had given him. Fang, the large black cat-like animal, was pacing the hall in front of the library as Glacier Boy ascended the stairs to his room.

"Nice kitty, good kitty-cat...Annaliese! Call off your attack animal!" said the Glaysh as he edged towards his door. Fang bared his teeth and hissed at Glacier Boy. Fang's slow tongue caressed his red lips, his white teeth shone through the semi-darkness... Suddenly, Miguelito passed by and, growling, showed large incisors to Fang. Fang hesitated for a moment but when Miguelito began to curse he whimpered away into a dark corner of Alley 6. Miguelito growled again and went into the library just as Glacier Boy's door slammed shut behind him. Glacier Boy, safe in his room, nevertheless stared at the half-page headline of that week's Tech:

BUST OF JUSTICE STOLEN! BOTH BOC AND RICKETTS SEEK CULPRIT!

Annaliese Beery, Freshman, impounded for questioning

"Huh? I guess the Frosh Nonfire Committee did decide they needed a ceremonial idol to sacrifice in front of."

Then, from the hallway outside, there came a muted, blood-curdling scream, a thump, and then a schliiick. Glacier Boy whirled around as the Tommy began to glow a deep red. He hurled the door open, expecting to see the Swedish Bikini Team doing another Budwiser commercial, but instead, there was... nothing. Only the library door was open, slowly swaying closed. Glacier Boy leaped to the library, thrust open the door and looked around. The books were scattered in the disorder of the night before, there was a pile of paper that looked like it had been tossed into the air and landed wherever, and the computers were still sitting, silently, inscrutably, slowly but inexorably taking over the universe. But Glacier Boy was not aware of the latter activity, nor would he have cared.

"Hmm..." he thought. "The librarian wouldn't have left such a mess on the floor—then again, she's probably passed out on some desk in a classroom in Bridge." He turned to leave, but then he whirled around as he caught the ghost of a shadow in the corner of the room. But it was gone. Glacier Boy reached down and swiped his finger through a pool of slowly congealing liquid on the table. He sniffed it and frowned. "That Thai Tea we made the other night sure was disgusting. I ache all over now. Oh well." He shrugged and went back to more important things, like conquering the globe—his Civilization game was getting rusty.

That night at dinner, after the wild cheering,

Reprints of this article are available. See page MAXINT.



While driving through the New England countryside many years ago, I noticed an inordinate number of wrecked Volkswagens by the side of the road. I stopped to ask a local farmer about this, and he responded, "Ayuh, thayuh's a slew ah those beetle cahs lyin' along the waigh."



"LINES AND SHAPES"—DETAIL OF SILVERPOINT ON LAQUERED WOOD, 18' X 5' BY AMERICAN ARTIST BILL ZAMORJIAN, 1973.

## Bridge Without Sam

by Jeff Goldsmith

### *Freeze 'n' Squeeze*

The first round often seems to be an omen for the rest of the tournament. It is easy not to be in full form yet, so extra concentration is worth expending.

On the first board of a large matchpoint tournament, I pick up the sort of hand I only hold at matchpoints.

♦AK10 ♦A64 ♦KQ53 ♠AK2

RHO deals and passes and I open 2♦, the big bid in our system. Partner bids 2♦, semi-automatic, and I continue with 2NT to show my 23-count. Partner transfers to spades and bids 3NT, giving me a choice of games. 4♦ is likely to be best, all things considered, but this partner is not a good judge of when to suppress his major in deference to matchpoints, so I do it for him, knowing that my decision could turn out wrong. In big events, though, trying for a top is sometimes a good idea. When dummy hits, I see that I have luckily compensated for partner.

♠ 97652  
♡ J63  
♦ A94  
♣ 107

N  
W E  
S

♦ AK10  
♡ A64  
♦ KQ53  
♣ AK2

SOUTH	NORTH
2♦	20
2NT	3♡
3♦	3NT
Pass	—

With partner's hand, I would have bid Stayman to find a 5-4 spade fit, but would have bid 3NT if I did not find one. Fortunately, we reached 3NT anyway.

I am a little surprised by the opening lead. It is the ♡10. I think that they have found the double-dummy best lead. I wonder how she found it?

My first order of business is to ensure a second heart stopper. I can do that by the technique called "freezing the suit." I cover with the ♡J and duck the Queen. East mumbles for a little while and shifts to a small spade. Evidently, she's placed me with a doubleton spade and is hoping that her partner has an entry.

I'm hoping, meanwhile, that this spade is not a singleton. Suddenly my cold game will have evaporated. I win and cash the other high spade and continue with a third, East having underled her Queen doubleton. West wins and continues with a low heart and I finally have to think about this hand. I guess I'm not quite awake yet because I just realized that I have not yet counted my tricks! Four spades, a heart, three diamonds, and two clubs is ten. I have lost two tricks already, so the timing is right for a squeeze. It looks good at first glance: only one opponent can guard diamonds, only one can guard hearts, and both can cover clubs, so I should have a double squeeze.

Unfortunately, the menaces are not correctly placed for the double squeeze. It seems that the hearts lie over the menace. If lefty has the diamond guard, then I have a Type L double, which is the one that does not operate. I'll have to rely on a single squeeze instead; the most likely one is a red suit squeeze against East. So, I win the ♡A, cash the high clubs, cross to the ♦A and run the spades. East started with J10xx in diamonds, and is squeezed. I make eleven tricks for +660 and a complete top board. Today will be a good day.

The Caltech Bridge Club meets every Monday night at 7:15 in Winnett Lounge. Everybody is welcome; call Jeff Goldsmith at x2818 for details.

The 4th annual pro-am is Saturday, January 29 at 1 P.M. in Winnett lounge. All are invited.

Second round K.O. matches are: Page vs. Ricketts, Ruddock vs. Roadkill, and Fang vs. Lloyd.



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# entertainment

## Games & Puzzles: an 'old hat' problem

by Wei-Hwa Huang

Here's an old problem that should be familiar to most of you. I'm planning to discuss this problem and variations in a later issue of the *Tech*, so please send any thoughts, variations, etc. to Wei-Hwa at one of the addresses at the bottom of the column.

Three people, Xanthi, Moon, and Cyrus, are undergoing an experiment. All three people are perfect logicians, and all three people are aware of this fact. An arbitrator blindfolds them, and puts one hat on each of their heads. The hats are either black or white, and it is not the case that all three are white. All three people know this for a fact. What they do not know is that in this experiment, all three hats

are black. Then the arbitrator removes the blindfolds so that each person can see the hats of the other two people but not their own hat. They then immediately try to deduce the color of their own hat. After a while, Moon stands up and announces that her hat is black. How did she figure this out? . . .

The scorecard printed for the soccer puzzle last was incorrect, as you no doubt quickly found if you

tried to solve it. The *Tech* would like to apologize for any frustration this may have caused you. The correct card is printed below.

The answers to the soccer game will be printed next week, along with the "Old Hat" solution.

Anything you'd like to see in this column? Send your suggestions, comments, and ideas to Wei-Hwa Huang, MSC 542, call x1540 and leave a message, or e-mail to [whuang@cco](mailto:whuang@cco).

HOUSE	GAMES PLAYED	GAMES WON	GAMES LOST	GAMES DRAWN	GOALS FOR	GOALS AGAINST
RICKETTS	2	1			3	3
BLACKER	2			1	4	
FLEMING	2					
DABNEY				1	4	7

## Sternmania: The Unofficial Guide to the Howard Stern Show

by Joe Long

*Sternmania*, written by a fan of the Howard Stern Show, claims to be an unofficial guide to the Stern Show. Not really a guide, *Sternmania* is actually a list of 300 trivia questions about the lives, careers, and hijinks of Stern and his wacky cohorts Robin, Fred Norris: King of Mars, Jokie "the Jack Man" Martling, Stuttering John, and of course Bobabouie. Many of the questions are quite funny, and their topics bring back memories of some of the more exciting events in the show's history. Several of the questions are on little known facts, which may

stump even the most avid Stern fan. However, this aspect of the book probably makes it pretty dry reading for one perhaps not so deeply imbued in the rich traditions of the Howard Stern Show. Of course, for those who are not Sternologists, or, for that matter, even literate, *Sternmania* still offers a lot of nifty photos of Stern and company for your viewing pleasure.

It is worth noting however that *Sternmania* is "totally unauthorized," likely meaning that the Stern camp is not getting any revenues from the book (which they need to help pay for being fined by the FCC for counselling listeners on

continued from page 1

## Midwesterner

changed my views on this subject, but it has added a new dimension. A Midwestern disaster builds up slowly, beginning with a light rainfall, which develops into a thunderstorm, slowly picking up stronger and stronger winds. After an hour or so, you might find the first death. It takes slow and steady work over a period of days before the toll climbs to dozens. Then, when it's finished, it slowly fades, with perhaps a relapse here and there, until it's finally over. Not so in California. When a California disaster has several dozen to kill, it takes care of them all at once, killing at a rate of

more than one per second. Then, less than a minute later, it's done. Everything's back to normal, as far as the earth is concerned. Yes, there are aftershocks, but they are few and far between, none of them lasting longer than seconds. California doesn't like to get out of its natural rut; when it does, it makes sure it gets it over with quickly, so it can get back to everyday life as soon as possible. It takes the people that live here longer to get back to normal, of course, but that's a human idiosyncrasy. Ask the ground if it's feeling any different today. In the Midwest, the ground can stay wet for months.

I have to admit that, much as I like Caltech, I'd rather it was in some place more Midwestern, geo-

logically speaking. There are many more minor inconveniences—you can never tell if it's going to suddenly drop several degrees or when the rain will pick up. You have to be careful to roll up your windows even in the broadest sunlight, and it's not nearly as easy to go barefoot all the time. But you don't have to worry that, without warning, without giving you any time, even on the order of seconds, to prepare, disaster will strike. You have to keep looking ahead, but you can count on the ground to remain solid beneath your feet.

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# sports

## Caltech basketball: hoops a-hoppin'

by Bryce H. Elliott

NCAA Division III's top scoring offense came into Braun Center last Saturday night. Reminiscent of the Loyola-Marymount teams of the Gathers-Kimble days, the University of Redlands Bulldogs brought in a run-and-gun style that emphasized a quick three-pointer far more than stingy defense. The stingy defense of the Caltech Beavers, however, held the Bulldogs to 44 first half points. The Beavers controlled the tempo and were within five at intermission. The second half, however, was another story. Both teams ran at will, and although the game was exciting to watch, it just wasn't Caltech's style. They paid the price as they gave up 62 second half points, failing to stop both the break and the offense rebounding of Redlands. Two Beavers had two outstanding offensive performances. Freshman Josh "MJ" Moats had 34 points, and senior George Papa scored 30.

Redlands, showing a more balanced attack, put six players in double figures to make the final 106-85.

On Wednesday, the Beavers were away from Pasadena for the third time in five games, travelling to Whittier to take on the Poets. Caltech came into the game very optimistic about the outcome. Whittier was 2-13 on the year, and winless in conference. It was obvious from the get-go that Caltech had the more talented squad. Each offensive trip that the Beavers executed, they came away with a good shot. Poor shooting and some defensive breakdowns by the Beavers kept the Poets in the game, and Whittier was up 30-27 at the break. Caltech got further and further away from the team concept that had made them so successful early in the season as the second half progressed, and Whittier made a run that put them up by 15. The Beavers had a few runs to cut the lead to single digits a number of

times, but poor execution kept the Beavers from taking control again. When it was said and done, Tech was on the losing end 73-56. Moats led all scorers with 21, and Papa contributed 13, but on five of sixteen shooting. Papa headed rebounding with nine on the game, as the Beavers fell to 8-5 on the year and 0-5 in SCIAC play.

This Saturday, the road-weary Beavers will be gone again, this time to California Lutheran University to take on the Kingsmen, who are the first-ranked Division III squad west of the Mississippi. The Beavers don't figure to pull that one out, but hope to make the Kingsmen sweat as they fight every step of the way. The next chance to watch the Beavers in the friendly confines of Braun Center is Wednesday, February 2 at 7:30 as the Claremont-Mudd-Scripps Stags venture to Pasadena in what should be an exciting match.

## ASCIT BOD minutes January 18th

by Karen Shih

Present: ASCIT BOD (minus Moeen; Anandi late), Jennifer Tritschuh, Dave Derkits, Son Nguyen, Rich Zitola, Jed Pitera, Gavin Claypool.

### New Business

- The Ballroom Dancing class is happening; twelve classes have been scheduled. As promised, the BOD supports with \$120.

- Climbing Wall Club—picking up money for first and second terms. This money will go to updating safety equipment for the climbing class as well as for general use by members. The club reports good participation at the Wall.

### Old Business

- The nominations for primary ASCIT offices were closed at 5:00 p.m. this afternoon.

- Motion to place on the ballot a bylaw for an outgoing trip to Ireland passes (6-0-0).

### Director of Academic Affairs

- Tentative schedule for the Student-Faculty Conference on February 25, 1994 in Baxter Lecture Hall:

10-11:45 A.M. Improving Communications  
1:00-2:30 P.M. Core Curriculum  
2:45-4:30 P.M. Quality of Teaching  
4:45-6:30 P.M. Honor System

TFM will serve dinner on the Olive Walk after the Conference.

### Upperclass Director-at-Large

- Gisela brings up the possible revival of an old tradition: Caltech Class Rings. There would be some recognizable constant to all the rings, but also a variation for each class. Such a ring existed years ago and served as a way for alumni to instantly recognize other alumni

once out of Caltech. Some enthusiastic discussion followed; might be too late for the 1994 class?

### Director for Social Activities

- The party was good.
- Installations—it looks like this frugal and practical BOD is looking at a formal dinner at Steele House this year. Anandi will check into catering by The Other Woman. The formality will remain intact, while the price will plummet.

- Breakfast with President Everhart is February 8th—sign up now at the MOSH/DRL Office.

There is a correction to last week's minutes: the change in compensation schedule for the Big T was indeed approved, 6-0-0.

The next BOD meeting will be in our new office, SAC 64, at 10:30 p.m. Tuesday, January 25, 1994.

## Universal City Walk

by Leo Fontaine

What if you could distill Los Angeles into a single city block? That's not quite possible, but what if you could do a simulation, a theme park, like, your own private Hollywood Boulevard? You would get Universal City Walk.

City Walk is obviously intended to be a tourist trap, but has a certain perverse charm for locals, as well. It's about two city blocks long, i.e., about the size of the Caltech Campus, with a variety of shops, restaurants and theaters. The shops are mostly what you'd find in an upscale mall, with a few really expensive places. To compensate, there are also less expensive shops that might be of interest to Techers. For instance, there are bookstores, comic book stores, gadget shops and the obligatory ice cream and candy stores.

The shops all have a Los Angeles theme. For example, you buy ice cream at a store called Hollywood Freeways that has, of course, a freeway theme to it.

There is also an 18-screen movie theater that probably shows up in the movie listings in the *L.A. Times*. I believe the ticket price is only \$4.50 per person. Why so cheap? See the description on parking. The City Walk also has a motion-base theater, which shows five-minute films, whose seats move to match the motion on the screen.

When you go, you have to make a parking decision. Either you can park your car for \$6 in general parking, and receive a \$2 rebate when you see a movie, or you can do as they do in the Valley, and use the valet parking service. In many

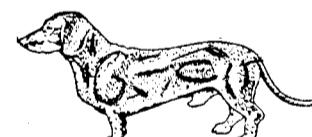
cases, valet parking will cost less than general parking (\$4.50 for the first two hours without validation, \$2.00 for the first two hours with validation). Purchasing anything—a comic book, or even a cup of coffee—will get your ticket validated. After two hours, they will nail you for \$2.50 for each  $\frac{1}{2}$  hour, up to a maximum of \$12.

Universal City Walk has two nice features for Techers. First, it's open somewhat late. On weekdays, City Walk closes at 10:00 p.m., and on weekends it closes at 11:00 p.m. There are also special event nights when it stays open even later. Second, Universal City Walk is located next door to the Universal Studios tour, so one visit the tour and the City Walk with the same general parking ticket. Of course after spending \$27.00 a head for the tour, one wonders whether anyone will have any money left. If you do, the City Walk's restaurants would love to have the rest of your money.

Go see Universal City Walk if you already plan to eat, see a movie, or do the Universal Studio Tour. The experience is interesting. One can go there to shop, too, but the parking starts to get expensive.

**Universal City Walk:** Universal City, you can't miss it. Features: shops, restaurants, and theaters, all with a Los Angeles Theme. Plenty of private parking available: \$6 general, all day, with \$2 rebate from theater; \$4.50 valet for the first 2 hours, \$2.00 with validation, \$2.50 each  $\frac{1}{2}$  hour after the first 2 hours. No on-street parking at all, although a pick-up/drop-off area is available.

**Seat's fast food wrappers**  
**Ignition's dangling keys**  
**Shane and Sally gone**



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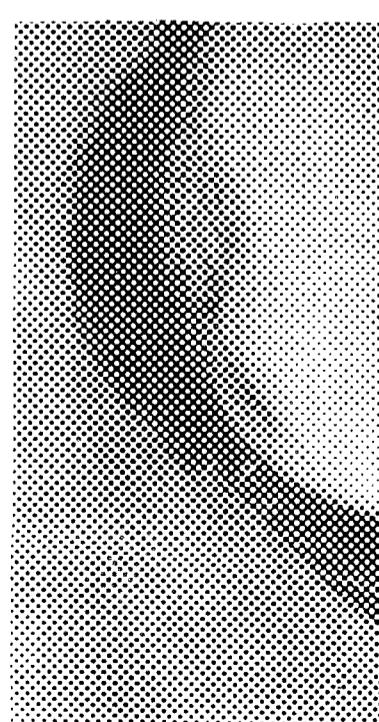
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continued from page 1

## Our Past

The African-American students have a longer history. They created a Black Students Union (BSU) in the early 1970's that survived for more than ten years. Lee Browne, former Director of Affirmative Action programs, worked with students to start the first social outlet under-represented ones would have. After the racial explosions on various college campuses nationwide in the late 1960's, Black students came to institutions of higher learning for the first time. This brought two cultures together, but in a very tense atmosphere.

As found in the *Big T* from 1975, the BSU was "organized in recognition of the fact that the intense academic atmosphere of Caltech represents an environment to which it is particularly difficult for minority students to adjust.... The purpose of the BSU, therefore, is to provide activities for the Black students on campus that allow them to become more aware of themselves as individuals. In the past year, our activities have included a welcoming cookout for the returning students, an inter-collegiate party in Winnett Lounge, a reception dinner for the Black poet Leona Welch, who gave a recitation of her poetry, and an end-of-the year picnic at Chantry Flats."

Curiously enough, the "present form" of the Black Student Union, the Caltech chapter of the National Society of Black Engineers (NSBE), seems to be an exact copy of the BSU of twenty years ago. It has held a welcome party for returning students, a social with Pasadena City College, and a poetry reading with Black poet Nikki Giovanni. Moreover, the Institute's NSBE chapter serves to create a social environment for African-American students to become more aware of their culture.

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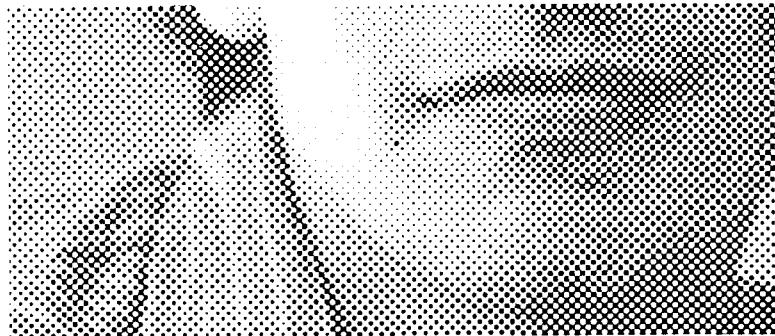
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All of these organizations have been run by and dedicated to the undergraduate population. However, Club Latino ventures out of this arena, and, for the first time at Caltech, deals with issues concerning graduate students.

At either level, all of these groups are important. Under-represented students traditionally have found problems not just through culture

shock, but misunderstandings in dealing with staff, faculty, and occasionally, security. While these problems are solved, the students need to have an island of serenity so that they may begin to concentrate on the only issue they should: simply graduating from college.



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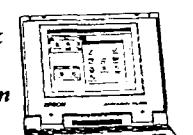
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- Microsoft DOS 6.0
- Microsoft Windows 3.1

*One Year Road-Side Warranty*  
80MB HD \$2095  
135MB HD \$2295  
185MB HD \$2495

**EPSON**

ActionNote 4SLC/33

- 486SX-33MHz
- 4MB ram up to 8MB
- 120MB IDE hard disk
- 1.44MB Floppy drive
- 9600 Fax/2400 modem
- Carrying case
- Logitech trackball
- Microsoft DOS 6.0
- Microsoft Windows 3.1
- Win fax lite



\$1565

*One Year On-Site Warranty*

**MITAC**

- Passive Color
- 486SX-33MHz (Intel inside)
- 4MB ram up to 18MB
- 120MB IDE hard disk
- 1.44MB Floppy drive
- Built-in trackball mouse
- System Preloaded
- Microsoft DOS 6.0
- Microsoft Windows 3.1

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90 days same as cash leasing program available

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- 128K cache
- 255MB IDE hard disk
- 3 1/2" & 5 1/4" floppy drive
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- 1MB SVGA accelerator card
- 2 serial, 1 parallel
- FD/HD controller card
- 101 keyboard
- 3 button mouse

\$950

**EPSON**

Action Laser 1500

- HP III compatible
- 14 resident fonts
- 13 scalable fonts
- 1MB ram up to 5MB
- 150 sheet paper tray
- 2 Year factory warranty
- Stylus 300 Inkjet \$235
- Stylus 800 Inkjet \$285
- LQ-570+ \$245
- LQ-1070+ \$359
- LQ-1170 \$619
- EPL-8000(10ppm) \$829

**Canon**

BJC-600 Color printer

High resolution color printer

**BJC-600**

**HP550c**

- 360 dpi
- 170 cps
- 15 cent per page
- 4 separate ink
- 100 sheet feeder
- 300 dpi
- 167 cps
- 38 cent per page
- 1 tri-color/1 black
- 100 sheet feeder

\$585

BJ-200 \$279.99

BJ-230 11"x17" \$389

LBP-430 Laser: 4ppm, PCL5,

1MB up to 5MB \$575

\* Note: asterisks denote new announcements.

## Notices

**\* SURF's up (huh, huh! huh huh)!—SURF applications are now available in the SURF office 1-37 Beckman Institute. There is also a list of projects and research sponsors for students who need help identifying a research sponsor. If you have questions about SURF, call the SURF office at x2885 or stop by. SURF proposals are due March 1.**

**Senior Pictures**—Seniors, don't forget that senior photos should be sent to the *Big T*, Mail Code 27-58, by February 1. Please include your name, major, and home town, exactly as you would like it to appear. We're sorry, but photos will not be returned. If you have any questions, e-mail Christy, christy@cco, Nestor, no@cco, or Karen, shishi@iago.

**Attention Climbers!** La Sportiva and Rudy Hofmeister are planning a climbing shoe demo day on January 31st at the Caltech climbing gym. The event is scheduled from 5-8 p.m. Flyers will be posted around campus and will indicate any changes in schedule. This will be the ideal time to visit the gym and try out all of Sportiva's latest equipment. Bring your friends. Contact Rudy Hofmeister x4413 for further info.

**The Big T** is cleaning its shelves. If you would like back issues of Caltech's yearbook, we have copies from 1976 to 1993 for \$30/copy. Send your name and mailing address with a check to the *Big T*, Caltech, MC 27-58, Pasadena, CA 91125, or call x2183.

Lift beautiful girls, shake some maracas, and have a great time. TACIT needs 4 able-bodied men for some on stage work and various other people for backstage work. Undergrads get credit. Call x6259 and leave a message.

## Events & Services

**\* Caltech Anime Society** is proud to present on Friday, January 28, the following films: *Silent Mobius I* at 7:00 p.m., *Karula Man (Movie)* at 8:00, *Vampire Hunter D* at 9:30, *Silent Mobius II* at 11:00 and *Vampire Princess Miya #2* at midnight. They are also proud to present on Saturday, January 29: *Mobile Suit Gundam 0083: Stardust Memories* #5-8 at 6:00 p.m., *Legend of the Galactic Heroes OVA* #5-8 at 8:00, *Gal Force: Destruction* at 10:00, and *Sol Bianca II* at midnight.

**\* Chamber Music Concert**—Caltech students will present a chamber music concert Saturday, January 29 at 8:00 p.m. in Dabney Lounge. The program will include a saxophone quartet, a trio by Clara Schumann, a quintet for clarinet and strings by Brahms, and a quartet by Peter Schickele, the "discover" of P.D.Q. Bach. Admission is free and refreshments will be served.

**Building Self Esteem**—A group focusing on Self Esteem will be offered to undergraduate students beginning February, 1994. The purpose of this 8-week-long group is to help students examine the nature and development of self esteem. What prevents a person from feeling "good enough" and strategies for developing stable and enduring self esteem will be explored. The group

# Events and Notices

will meet on Wednesdays from 3:30-5:00 p.m. Group membership is limited. Those who would like to participate in the group will be required to meet with the group leaders prior to the group's first session. For more information or to arrange a meeting with the group leaders, please call Virginia at x8331.

**Gay, Lesbian & Bisexual Support Group**—Meets the first and third Tuesdays at 7:30 p.m. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovery, coping with families... We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call x8331.

**Adults Molested as Children Group**—This is an ongoing group for undergraduate and graduate women at CIT who were molested as children. The group is designed for women who experienced any form of incest which could include family members or other caregivers physically, emotionally and/or verbally sexualizing the relationship with them in childhood or adolescence. The group will provide a safe and confidential setting in which to explore the issues of trust, self-esteem and intimacy. Each group member needs to meet with the group leaders for pre-group interview in January; the group will begin in February and will meet at noon on Tuesdays from noon to 1:30 p.m., in the Health Center Lounge. For more information or to schedule a pre-group interview, please contact Aimee Ellicot, Ph.D. or Jenny Butler, Ph.D., at x8331.

**Caltech Cryogenics Club**—sponsors a demonstration by Dr. Armand Tizzola on "Low-temperature effects on the impact resistance of biological tissues in *Homo sapiens*." The demonstration will be held at the west side of Millikan Library at 3:00 p.m. today. For more information, please call Zhong "Styg" Chang at x6153.

**Caltech Alpine Club "Sit and Chat"**—Bring a sack lunch to the patio outside the north end of Keck Laboratory on Wednesdays from 12 to 1. Talk about mountains, the weather, and outings, past and future.

**Caltech Velo**—The Caltech Bicycle Club organizes all types of rides, both road and off-road rides, for all skill levels, from novice to advanced, including collegiate racing. All cyclists are welcome. We lead the following weekly rides, all meet in front of Winnett Lounge:

Monday, 8:00 a.m.—25 miles, moderate pace  
Tuesday, 11:30 a.m.—10-15 miles, easy pace  
Wednesday, 2:00 p.m.—Off-road ride

Plus other harder rides not listed. For more information, contact Michael Kantner at x4882 or e-mail to cycling@cco.caltech.edu.

**Friday Prayer**—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 12:15 p.m. every Friday.

**Mass**—Catholic campus life includes Mass on Sunday at 10 a.m. (Winnett Lounge) and on Thursday at 8:15 a.m. (Y Lounge), Rosary at 11:15 a.m. daily in Winnett 1A, and various spiritual development groups and study circles. For more information contact Fr. Brian Wilson at x6212.

**Bible Study and Discussion**—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Gerfen at x4886.

**OpenLine**—A group made up of students, staff, and faculty from many different departments on campus, and from a variety of ethnic and cultural backgrounds. We are both an action group and a discussion group. Our agenda is very flexible and is solely determined by what people in the group suggest. Drop by any meeting and say hello! We meet from noon to 1 p.m. on Tuesdays in the Y Lounge (2nd floor Winnett), feel free to bring your lunch! Remember, we always welcome new people, at any time of the year. Hope to see sometime! For more information contact Gary Mines at x6542 (gam@xhmeia.caltech.edu).

**Caltech SEDS (Students for the Exploration and Development of Space)** meets every Sunday evening at 8 p.m. in 107 Downs to discuss and plan for its \$4 million satellite proposal. Help is needed from undergraduate and graduate students, and advising is needed from research fellows, faculty and staff. Experience with space hardware or with the specific experimental subsystems (gamma-ray astrophysics and atmospheric chemistry) is not necessary. All members of the Caltech and JPL community welcome. Contact Ben McCall at x2902 or bjmcall@cco.

**Baby Furniture Pool**—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 a.m. For more information call 952-1631.

**Israeli Folk Dancing**—Sundays in Winnett lounge. Beginning instruction starts at 7:30 p.m., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

**Scottish Country Dancing**—On Wednesdays in Dabney Lounge from 8 until 10 p.m. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

**Music with James Boyk**—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 p.m. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or just skulk. For more information call x6353.

**Open House**—The office of International Student Programs (ISP) would like to invite international students, scholars, and the Caltech community to coffee, tea, and conversation every Wednesday from 4-6 p.m. Take a break and relax with friends at ISP (Lloyd House on the Olive Walk).

## Lectures & Seminars

**Science, Ethics, and Public Policy Seminar**—Dr. Linda Cohen, Olin Visiting Fellow in Law and Social Choice at Caltech and an Associate Professor of Economics at UC Irvine, will lecture on "Research, Innovation, and President Clinton's Technology Policy," on Wednesday, February 9 at 4:00 p.m. in the Judy Library, 110 Baxter.

## Scholarships, Internships, & Competitions

\* The Indiana University Center is seeking applicants for its **Jane Addams Fellowships in Philanthropy Program**. The program awards each fellow a \$15,000 stipend, an internship with an Indianapolis nonprofit organization, and 12 credits toward a graduate degree. The application deadline is February 15, 1994. Open to recent bachelor degree graduates and graduating seniors. Students are selected on the basis of demonstrated leadership potential, special interest in community service and the nonprofit sector, and academic stability. The program is not intended for students who are already committed to a program of graduate study. For application materials interested candidates should contact the Indiana University Center on Philanthropy, 550 West North Street, Suite 301, Indianapolis, IN 46202, (317) 274-4200.

\* The **Charles G. Koch Charitable Foundation** invites students to apply for its **Summer Fellow Program** in market-based public policy. The ten-week program, running from June 11 through August 20, will bring together 30 students from around the world to study market-based solutions to public policy problems and effective methods for implementing those solutions. Through research and writing projects, mentoring by policy professionals, work with experienced policy analysts, readings, and seminars, Fellows will learn about the issues, institutions, and skills of professional policy analysts. Fellowships include round-trip airfare to Washington, furnished summer housing, seminar room and board, and a \$1500 stipend. Students interested in applying market ideas to society's most pressing economic and social problems should contact the Foundation immediately for a brochure and application. Deadline for application is March 1. To request a brochure or to recommend qualified students, write Summer Fellow Program, Charles G. Koch Charitable Foundation, 1401 I Street, NW, Suite 300, Washington, DC 20005; call (202) 842-4616; or fax (202) 842-4667.

The Financial Aid Office has applications and/or information on the following and additional scholarships. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

The Institute of International Education is pleased to announce the National Security Edu-

cation Program for undergraduate scholarships for the 1994-95 academic year. Please contact Barbara Green in the Dean's Office at x6351 for details.

The Association of State Dam Safety Officials, Inc. (ASDSO) is offering two scholarships, in the amount of \$2,500 each, to be awarded for the 1994-95 school year to one junior and one senior undergraduate student. Successful recipients must be enrolled in a civil engineering program, or in a related field as determined by ASDSO, and must demonstrate an interest in pursuing a career in hydraulics, hydrology, or Geo-technical disciplines, or in another discipline related to the design, construction, and operation of dams. Also a GPA of 3.0 is required. *Applications must be received by ASDSO no later than January 30, 1994. Announcements of successful candidates will be made in the spring of 1994.*

The **GLAMOUR Magazine Top Ten College Women Competition** has begun. The competition is open to all women who are full-time juniors regardless of major or GPA. *All entries must be postmarked by January 31, 1994.*

The annual **Mensa Scholarship Essay Contest** is here again. The essay should present clearly and concisely the applicant's academic, vocational, and career goals. The only requirement is that the student be enrolled at an accredited college/university for the 1994-95 year. *All entries must be postmarked on or before January 31, 1994.*

The **Korean American Scholarship Foundation** is offering two scholarships of \$10,000 each and over 20 scholarships of \$1,000 or higher. Applicants must be full-time students of Korean heritage. Applications are available upon written request from KASF Western Region Office, 4424 Dulcinea Court, Woodland Hills, CA 91364. *Completed applications must be received by January 31, 1994.*

The **Society of Women Engineers** is seeking qualified applicants for thirty-six scholarships varying in amounts from \$1,000 to \$4,000. *Applications and supporting documents must be postmarked no later than February 1, 1994.*

The **Society for the Advancement of Material and Process Engineering (SAMPE)** has begun its 1994 Undergraduate Award Program for students pursuing a BS in engineering. The awards are for recognition of past and present college scholastic and technical achievement and future potential. Applicants must have at least one semester of grades in that program by February 1, 1994, must be recommended by his or her department head, and have a 3.30 minimum cumulative GPA. *Completed application packages must be postmarked no later than February 1, 1994. Awards will be presented in July of 1994.*

The **College Women's Club of Pasadena** is offering scholarships for the 1994-95 academic year. Applicants must be full-time students and have a GPA of 3.0 or above. To apply, please submit a completed application form; one page, typed, personal essay; transcript of college work to date including course commitments; and three recommendations, preferably from professors familiar with a student's aspirations and achievements. *Completed application packets must be returned to the Financial Aid Office on or before February 4, 1994.*



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