

Magellan:
"Dave, you know
this command will
cause me to burn
up in the atmo-
sphere, don't
you?"

The California Tech

"Would you like
to discuss
this,
Dave?...Dave?"

Volume XCVI, Number 4

Pasadena, California

Friday, October 14, 1994

Nominations Open for the Richard P. Feynman Prize for Excellence in Teaching

from the Provost

Nominations are now open for the second annual Feynman Teaching Prize, to be awarded to a professor who demonstrates, in the broadest sense, unusual ability, creativity, and innovation in undergraduate and graduate classroom and laboratory teaching. This prize is made possible by a gift of endowment by Ione and Robert E. Paradise, in appreciation of Richard Feynman's contributions to excellent teaching, and consists of a cash award, set for 1994 at \$3000, matched by an equivalent raise in the annual salary of the awardee. All professorial faculty of the Institute are eligible. Nominations may be made by any member of the Caltech community, including faculty, students, alumni, and staff; nominees not selected in a given year will be considered part of the nomination pool for each of the next two years. New material is not required for re-nomination, but will be considered. Selection of the recipient will be made by a committee appointed by the Provost and consisting of three professorial faculty, and one representative each from the undergraduate and graduate student bodies. The committee chair and members will be rotated frequently to reflect all segments of the Institute. The Feynman Prize will be presented at a regular meeting of the Caltech faculty in either first or second term. Please direct a letter of nomination and any supporting material to

Office of the Provost
Mail Code 206-31

by November 15.

We encourage you to honor an instructor you consider to be outstanding by nominating him or her for this distinguished award. Thank you!

Caltech Student Falls Prey to Typhus Bacterium

from Student Affairs

A Caltech undergraduate was diagnosed this past weekend with murine typhus (not to be confused with typhoid fever). The student has been put on antibiotics and is recovering.

Murine typhus is a disease found among animals, although the disease can be contracted by humans when bitten by an infected flea. These fleas can be found on rats and cats, among other animals. It is not transmitted between people.

In response to this incident,

Caltech Housing will be coordinating and implementing a spraying treatment of all suspicious areas beginning next week. The affected rooms will be notified of the details shortly. Pet owners should check their pets for fleas.

The symptoms of murine typhus are a *persistent* headache, muscle aches, and a fever. The incubation period is around two weeks. Any student with these symptoms should contact the Health Center at x6396.

The Residence Life Office will gladly answer any questions regarding this subject at x6194.

CSS SPACE NEWS

by Ross Brown

Hello all! This week, in honor of the collision of Jupiter and Comet Shoemaker-Levy 9 (SL9 for short), We will talk about other things.

Another Broken Comet!?

It seems that another comet is falling apart again, but the overwhelming media attention on SL9 has buried this "less significant" event.

Periodic Comet Machholz 2 (1994o) is disintegrating. All in all, There are now 5 pieces of the comet, the brightest of which, fragment A, is 6th or 7th magnitude. The lesser pieces B through E range from 11th to 15th magnitude.

One can see this comet in the pre-dawn sky. Reports have stated that the primary comet fragment A has a distinct blue-green coma that is about 15 arc-seconds across and an extremely thin tail extending about one degree to our west.

Ida's Moon Named

The first moon of an asteroid ever discovered was recently named. Photographed this August by the Galileo spacecraft, Ida's moon, now officially named Dactyl by the IAU (International Astronomical Union),

was seen 60 miles away from Ida.

The orbital characteristics were difficult to determine, but it was confirmed that Dactyl was in fact orbiting slowly in Ida's weak gravity. Unknown is how Dactyl came into existence. Theories range from capture to a cataclysm that spawned both at the same time.

The name Dactyl is taken from the mythological beings who lived on Mount Ida (the Dactyli) where the infant Zeus was hidden and raised by Ida. The Dactyli protected Zeus in some stories, and in others were Zeus's children by Ida.

Magellan Gets Toasted

R.I.P. The spacecraft Magellan will plummet into the atmosphere of Venus on October 14th. What pieces are not vaporized in the atmosphere will hit the surface pretty fast. The destruction of the spacecraft will end one of the greatest and cheapest missions to come out of Caltech's operating arm, JPL.

We conclude with an appropriate quote from Bob Dylan:
"It's better to burn out than to fade away"

For more info on CSS, e-mail css@cco.caltech.edu or call 568-8028.



Sara Beber pulls ahead of the pack in a recent cross-country meet.
See the story on page 3.

How US Troops Protect Haitians: THE BODY COUNT SO FAR

from the NY Transfer News
Collective * All the News
that Doesn't Fit

DO US TROOPS PROTECT HAITIANS FROM RIGHTWING VIOLENCE?

As many as 24 pro-democracy Haitians died after a group of rightists drove a van through a demonstration in the village of Miragoane in western Haiti on Oct. 9; another 15 were injured. The week before, six people died in the northern city of St.-Marc when rightists drove a vehicle into a demonstration supporting deposed president Jean-Bertrand Aristide. [New York Times 10/11/94]

Other widely reported killings by Haitian police or paramilitary forces since the US occupation started on Sept. 19 are as follows: one man beaten to death by soldiers on Sept. 20 in Port-au-Prince, two demonstrators shot on Sept. 21 in Cap-Haitien, five demonstrators killed by a grenade on Sept. 29 in Port-au-Prince, six shot by a paramilitary group on Sept. 30 in Port-au-Prince [see Weekly News Update on the

Americas #244 and #245]. The Port-au-Prince-based Haiti Info bulletin reports the murder of a tap-tap (small private bus) driver by police attaches in the capital's Cite Soleil on Oct. 6; Haiti Info adds that "[t]here have been a number of bodies found in various neighborhoods." [Haiti Info Vol. 3, #1, 10/8/94] The total of reported deaths is 45 for the three-week period from Sept. 19 to Oct. 9, with the toll likely to mount as further reports come in. This gives an average of 15 murders by Haitian rightists each week.

US-based human rights groups estimate that 3,000 pro-democracy Haitians have been murdered since the 1991 coup. [NYT 10/11/94] Grassroots Haitian groups generally give a figure closer to 5,000, with as many as 1,000 of the deaths occurring in the first week after the coup [see Update #90]. Assuming 1,000 to 2,000 deaths in the first few weeks of the military regime, the murder rate for the three years since would average between 13 a week (according to the US groups) and 19 a week (according to the Haitian groups). The weekly rate since US troops arrived is close to the average for the last three years, or possibly even higher.

LOOK CLOSELY
AND ALWAYS READ BETWEEN THE LINES...
IF YOU CAN READ THIS,

YOU PROBABLY DIDN'T

WRITE FOR THE TECH.

JOIN US EVERY FRIDAY AT NOON IN THE COFFEEHOUSE TO HEAR
WHAT'S NEWS AND MAYBE EVEN WRITE US A STORY!

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California State
Election Information

ASCIT Presidential
Election Results

2

10

Letter to the Editor

Hi.

I'm just responding to something that caught my eye. In the ASCIT Presidential Candidate Statements published in October 7th's Tech, Jeffrey Kirshberg writes "Even our parents can't view our grades without our permission..." This information, unfortunately, is *wrong*. When I was a student, I went to the registrars office at least once a term and heard them say "Oh of course your parents won't see your grades if you don't want them to see them." This was (to me) a great comfort to hear. Then my parents came to campus once, and lo and behold, they had a copy of my transcript, complete with grades...the grades that I had been assured that they could not see. I went to the registrar to complain and ask what in the world was up. It turns out that if your parents or guardians are giving you *any* financial support at all, they *can* look at your grades, whether or not you want them to. The statement that your grades are private is just a pretty lie that they tell us so we won't worry.

The only students who do have the right to keep their grades a secret from their parents (or guardians) are those who are *completely* financial independent from them.

whatever,
Jennifer Barts
(the cat)

The '94 Election: A Commentary

By Alex Protopapas

Although this election year is not getting nearly the same level of media coverage as 1992, it should be considered of almost equal importance to the California voter. As California residents we will be voting for governor, U.S. senator, U.S. representative, insurance commissioner, attorney general, and a host of other local and statewide officials. The people we select for these positions will have a dramatic impact on public policy in our state. In this article, I will discuss the proposed policies of Democratic candidates and their opposition. As you will probably surmise from what I have written below, I support the Democratic Party candidates; nevertheless, I have made every effort to insure that all the information I present about every candidate is factual.

Under Governor Pete Wilson, California has not fared well. In the past four years, 558,900 Californians have lost their jobs giving us an unemployment rate of 8.6% (the second highest in the nation). Despite California's economic hardship, he vetoed defense conversion efforts. As an "education governor" he tried to cut \$2.3 billion from schools, cut programs for reading and school books, and "forgot" to apply for \$43 million in job training funds from the federal government. Every year he has been in office he has increased fees at state colleges and universities.

Please send submissions for letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by electronic mail to editors@tech.caltech.edu. Deadline for submissions is Monday at 5pm on the week of publication.

The editors reserve the right to edit or refuse to print any letter for any reason. In general, anonymously delivered letters will not be printed.

This has resulted in a 290% increase in community college fees. In addition, he vetoed middle-class college loan programs. As Californians, we will inherit a \$3 billion deficit despite the fact that Wilson increased overall state taxes by \$7 billion.

Democratic gubernatorial candidate Kathleen Brown would like to reinvigorate the California economy with an aggressive program that targets California industry. She plans to restructure the tax system to reward small start-ups and encourage emerging industries like biotech and advanced transportation with tax credits. Also included in her economic plan are programs to retrain defense workers for civilian industry and public works projects geared towards rebuilding California's infrastructure. She will improve California public schools by moving \$411 million from school bureaucracy into classrooms and by rewarding excellence in education with special funding for schools that improve their performance. At the level of higher education, she promises to freeze fee hikes, provide low interest college loans to middle-class families, and eliminate the higher fees that penalize community college students with bachelor's degrees. Kathleen Brown balances

the development of new state programs with fiscal responsibility. She will audit every state department with a thorough performance review using a program similar to one implemented in Texas which saved taxpayers there \$5.2 billion. She will also try to pass a "uniform

sunset" law that requires state agencies to prove their worth or be eliminated.

U.S. Senator Diane Feinstein is the only Democrat discussed in this article who is an incumbent. Elected two years ago, Feinstein already has a formidable record in office. She has sponsored and co-sponsored numerous pro-choice, environmental, and anti-crime bills. Fulfilling one of her major campaign promises, she secured the passage of the California Desert Protection Act of 1993 in the Senate Energy and Natural Resources Committee. This legislation provides protection for 4 million

acres of desert wilderness and creates three new national parks: Death Valley, Joshua Tree, and Mojave National. She co-sponsored the Freedom of Access to Clinics Act which punishes those who use force or intimidation to stop others from entering medical clinics to obtain safe and legal abortions. She also co-sponsored the Family and Medical

Leave Act which allows parents to take time off from work to care for their young children without fearing for their jobs. Feinstein courageously took on the NRA and aggressively fought for and won passage of the first-ever ban on semi-automatic assault weapons.

Despite her impressive record, Diane Feinstein faces a tough fight with opponent Michael Huffington who has vowed to "outspend her." Huffington, currently a U.S. Congressman, was also first elected to Congress in 1992 after running the most expensive congressional campaign ever against fellow Republican Robert Lagomarsino. He is now projected to wage the most expensive Senate campaign in U.S. history against Diane Feinstein. During his two years in office, he has sponsored only one piece of legislation and has spoken on the House floor for a total of 8 minutes. He opposes the California Desert Protection Act and opposes providing access to reproductive health care to all women. Given his record in Congress, Michael Huffington can be expected to do his best to keep his campaign promise: "I want a government that does nothing."

Carlos Moorhead is presently the Republican incumbent Congressman representing the Pasadena-Glendale area. Moorhead was ranked as the *most* conservative House member of the 90's by the *American Journal of Politics*. He is also decidedly anti-choice. In 1993, Moorhead voted to cut funding for child immunization, HIV counseling, and toxic waste cleanup. In addition, he was one of only two Congress members to oppose aid to veterans irradi-

SEE ELECTION, PAGE 11

[Governor
Wilson] has
tried to cut
\$2.3 billion
from schools,
cut programs
for reading...
and "forgot"
to apply for
\$43 million in
job training
funds...

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When a Man Loves a Woman

October 14, 1994

Trachon Pictures

Editors' Corner

From your Friendly but Tired Tech Editors

Do we finally have a president? Yes! See the election results printed in the ASCIT. And the best part is — no run-off! Your new ASCIT President should be taking office as soon as this coming Monday, so keep an eye out for some changes around this place. (Sorry, still no strawberry donuts quite yet.)

We at the Tech are also making a couple changes in the way things are run. Some of the upperclassmen may remember that glorious journalistic escape called The Inside World, which used to be a semi-regular insert in the Tech filled with "creative" pieces from on-campus undergraduates. Well, the policies are changing once again... get the scoop on page 5.

In addition, we would really like to encourage any undergraduates even remotely interested in getting involved with the Tech in any capacity show up to our meeting Friday at noon in the coffeehouse. There will be no shortage of free food and drinks, and you will have a great chance to find out what the Tech is all about.

Deadlines for Submission to The Tech

Letters to the Editor — 5 P.M. Monday

Events and Notices — 5 P.M. Tuesday

Unsolicited Articles — 5 P.M. Tuesday

Regular/Semi-Regular Columns — 5 P.M. Wednesday

Articles, News Submissions — 5 P.M. Wednesday

Art/Photo Submissions — 5 P.M. Thursday

And whatever you do, don't forget to...

Work for The Tech!

12:15, Fridays, Coffeehouse

The California Tech

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OCTOBER 14, 1994

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

Starts Wednesday, October 19:
HOOP DREAMS 5:00, 8:30 p.m.

S & M

"What's in a Name?"

When we initially decided to write a column, the most important question we faced was ... what do we call it? We pondered long and hard, staying awake late into the night, night after night, week after week, struggling against impossible odds, overcoming all obstacles to well, maybe not. Actually, there's no suspense here; since our column's name leapt out of the page at you in 4-inch high red letters (we asked the editors to do that to signify our maiden effort), you already know that the name is "S & M". (you can pay for the color printing — eds.)

Once we overcame this initial hurdle, as all columnists must, we were forced to address a less vital, yet still mandatory, issue. What do we write about? We pondered long and hard, staying awake.... yada yada yada. Well, to make a long story short, we found that problem to be insoluble (even after we ground it up and stirred it into a heated solvent). With time running short, our only option was to go back to our first question, which we already knew we could answer. Then it hit us: if we could only figure out what "S & M" stood for, we would know what to write about!

Our first guess was the obvious, "Sadism & Masochism". As most of you know, the word "sadism" originated with the practices of the Marquis de Sade, who derived pleasure from the pain of others. Some of his most horrific practices included forcing his victims to watch "The Martin Short Show", and dipping them in liquid nitrogen and tossing them from the top of Millikan library. What many people don't know is that the word "masochism" was inspired by that famous German, Baron Hermann Von Mach. Mach's many experiments in accelerating his own body faster than the speed of sound (utilizing mainly slingshots and catapults) were an utter failure, but his legacy lives on.

Our next guess was "Sodom & Mogorrah", the twin biblical cities of sin. We both liked this choice, because we consider ourselves to be amateur Bibliophiles. Unfortunately, when we looked up the spelling of "Mogorrah", we saw that we had made a mistake, and could not use this guess. We also noticed that we weren't actually "Bibliophiles", since that word does not mean "an expert on the Bible", but rather "an expert on bibs".

We immediately moved on to "Faith & Begorrah", because it sounded almost exactly like our last guess. Well, we won't go into the details about why we decided not to pick this one, let's just say things didn't work out. Although in ancient colonial manuscripts, those *s's* sure looked a lot like *f's*.

Next, inspired by the radio, we tried "Seventies & More". All disco, all the time! Not.

In a more descriptive mood, we examined "Short & Mouthy". Alas, neither of us would be considered short. Uhhh, we eliminated "Slim & Mouthy" for the same reason.

With hopes that we might be writing a food column, we looked into "Swallow & Masticate". But, we decided that we didn't want to write a food column. Also, trying to prescribe a method of mastication subsequent to swallowing was a logistical nightmare.

Next up we tried "Sex & Money", a single woman's guide to dating (hint: less sex, more money). It occurred to us that this kind of column might offend those of a more feminist bent, and since we didn't want to alienate any of our readers in our first column, we'll nail those unshaven radicals some other time.

"Simply Marvelous" sounds good on the surface, but after consulting numerous grammatical texts we were unable to fit an ampersand in anywhere.

"Sun & Moon". Ying and Yang. Black and White. Left and Right. True and False. Up and Down. Truth and Beauty. Strange and Charm. Lucky Charms. Lucky Strikes. Lung cancer. Um. What were we talking about again?

"Simpson & Menendez". Live court coverage, gavel to gavel! You'll think you were there! Except, of course, that you'll be reading a weekly newspaper, so the whole "live" thing is pretty much shot to hell.

"Simpletons & Morons" would have been appropriate, since we like talking about how stupid most people are. Unfortunately, this name has way, way too many syllables. Just doesn't roll off the tongue. "Shaka Zulu!" This made no sense at all.

"Sulfur & Magnesium". This week, on "Flammable Element Theatre"! Magnesium considers self-immolation! Sulfur and Sodium try to talk him out of it.

"Salt & Mepper". Okay, we were really reaching here. We admit it.

"Sasquatch & the Mabominable Snowman". Yeah, yeah, we know, same problem as "Salt & Mepper", one too many *S's*, and the "the" probably breaks some technical rule of ampersand usage. But we just really liked saying "mabominable". Try it! It's really fun! Mabominable. Mabominable!

In the end, we simply could not decide what "S & M" could stand for! But we're going to write this column anyway. So, until next week!

Sharon & Marc

SPORTS

Women's Cross Country Looks to Finish Strong

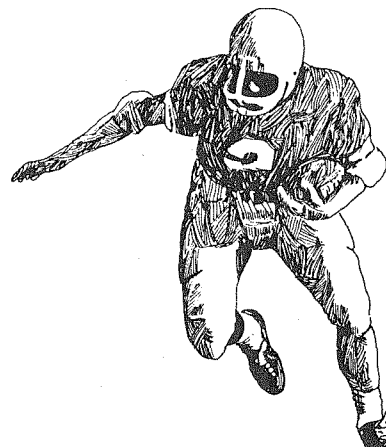
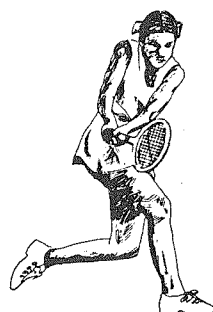
by Dan Kleiman

The Caltech women's cross country team heads into the final stretch of the season and tries to take a step in the right direction with their meet tomorrow in La Mirada. The team tuned up for tomorrow's conference showdown at the Southern California College Invitational, held in Newport Beach.

Due to a variety of reasons, the women's team was without most of its top runners. Senior Tobe Corazzini and sophomore Cailin Henderson were held from the meet in order to rest them for tomorrow's meet, while Ginger Garcia was unable to run because of GRE's. Competing shorthanded did not prevent individual Beaver runners from coming through. Frosh Sara Beaver ran a perfectly paced race, pulling in the leaders for over two miles until she took the lead with under one mile remaining. Sara continued to pull away until the last 70 meters of the race,

when she made an ill-advised right turn. After frantic yelling by her teammates, Sara realized her navigational error but was too late to keep her lead, finishing only one second out of first place despite her mistake. Next for the Beavers were frosh Karen Bletzer and sophomore Radhika Reddy, with sophomores Heidi Eldenberg and Keely Walker rounding out the top five.

Tomorrow the team returns to the La Mirada course for the SCIAAC multi-dual meet. This single meet is scored as a series of dual meets, to match each team against every other conference school one at a time. Because dual meet scoring keeps meets close, Caltech has a tremendous advantage thanks to their first two runners. With Henderson and Beaver leading the way, the Beavers look to finish in the top half of the conference. The regular season concludes in two weeks at the SCIAAC championship.



Men's Cross Country Wilts at SCC

by Tom Dmukauskas

The Southern Cal College Invitational obviously placed very lowly on Coach Jim "Bahama Blue" O'Brien's scale of importance. The Thursday before the Saturday race, he had the team mimic the staple workout of NCAA Division II national champions Adams State. O'Brien claimed, "The races will seem easy now because you'll never feel as bad as you do during this workout." I would say that most of the team agreed with him by the end of the day...until Saturday came along.

The long ride to Newport Beach began at 7:30am with most everyone still reeling with soreness in the calves, quads and hamstrings from Thursday. The temperature chose to rise very early and by race time, it had reached 90 degrees. To make things worse, the humidity was sitting in the single digit percent range. The race went as expected for Caltech given these conditions, with times 2 to 3 minutes slower than usual across the board. The lone bright spot for the Beavers was the return of a healthy Dan Kleiman who though slightly out of shape from 3 weeks off of running, turned in a 28:17 for 5th place overall in the 55 person race.

This week, the team is looking ahead to the SCIAAC 8-way dual meet on October 15th. The 8-way is the first of two meets which determine the final conference standing. A dual meet is run as usual, but is scored one team versus another, forgetting about the runners from the other six teams. This is done for every pair of teams in the conference, and the team that emerges with the best record wins. Last year, Caltech was 2-5 at this meet, beating Laverne and Cal-Lutheran. This year, it appears that the Beavers will have no trouble in beating Whittier and Cal-Lu, and also have a legitimate shot at taking down a vastly improved Laverne team as well as Redlands. This largely rides on the hopes that Mike Davies and Schuyler Cullen will be healed from their respective hip injuries well enough to race. All will be settled at La Mirada Park this Saturday.

The Tech needs your help!

Our Mints editor, who compiles all of the announcements on the back page, is leaving next week, and we need someone to carry on the job. Roughly three hours per week, with three units of credit in PA15. Come on down and pitch in to help out the staff of the Tech! Come to the Friday meeting, e-mail us at editors@tech.caltech.edu, or call us at x6154 any time.

The Coffeehouse presents...

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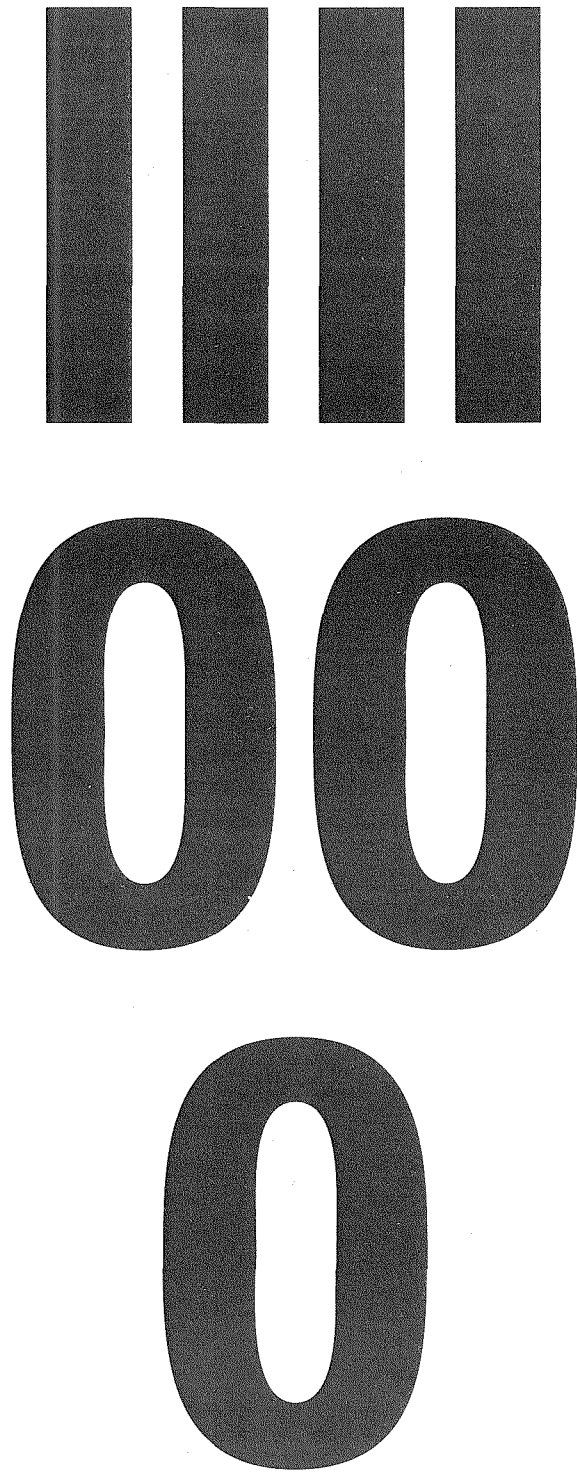
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Kreative Korner

Lost Angel

by Shameel Arafin

Clown king and all between
My lost angle we crawl and sprint and sprawl
Between mountains oceans rotting skies and deserts
Erect lampposts and civilized jungles stoney garbage
heaps
Lost angel we helicopter over
Our conception.

Lost angel you snake between
Wizened bearded palm trees
And dry wooden cactii
What keeps you wet sun still lures
What halls of learning
What juices wet and sweeten your lips?
Do you seek the rare and terrible thunderclouds?
Lost angle when will you take off your clothes?

We smoke too much Doug and I
Right through the stars
Where we met naked children
Playing and bestowing in androgyny
This is the strangest life I've ever known
I said to Doug and we recalled our lands
Of orient and peninsula of sunmangoes and oceanoranges
We sought learning and novel people
In this stricken rockland
We came to calculate and to prophesy
To see and be seen
We had forsaken parents
We came to Westwood Pasadena and Venice
We came and become lost angels Doug and I
We burnt incense together
We talked of girls
We dug our sandtickled soles
Deeper into the heat
Talked all day
Of coconut and deer of eagle and cobra

Lost angel your lights are mundane and harsh
Your cafes shabby and streamlined
Your eye is hollow your retina burnt
Lost angel your wing is clipped
Will it grow back lost angel your wing?

We read books by the roadside
And sweaty girls smiled and stopped at your thumb
You kicked the dust and I told you
About the padi fields and jute streams
And the girls drove us through the heat.
Where are the girls who looked us up and down
Who laughed and poked us in the side
Who pulled us by the ears to their mouths
Who wide-eyed and crinkled-nosed and frowning templed
Who pushed-tongued gave us a ride?
If Doug saw them metallic dyed
Like their cars
Muddy eyes straight ahead
Fearful of shootings sex and calm...

I tell them of titanic floods
And they speak of their own farmers
I tell them of trouble and travel
And lost angel turns over with a headache.

Doug flew through a hole in the sky
He liked the fairies and stars
He told me to tend my fields
To fight an angel of soil
To fight water with rock
He told me to discover fabric
To reinvent art
To spin my own rough thread
To forget silicon and seek earth
He told me to leave turgid pancakes for fresh chappatis
To purge coffee and grow honey tea
To see the wheat grain in the white loaf
I came Lost Angel
Not to leave alien
But to feel and be felt
You have no stormy skies
Yet I shall find you my Lost Angel.

Kreative Korner Policy

Guidelines for Submissions.

Submissions are generally creative works, such as narrative, fiction, drama, poetry, artwork, or photographs. Essayists are encouraged to submit to *The California Tech*. Most cartoons should probably belong in the Inside World.

1. All submissions must be in by the Tuesday preceding the issue in which the submission is to appear.
2. Submissions may not contain libelous material without consent of those being libeled. It is the responsibility of the author(s) to check on this fact. Suspicious submissions will not be printed.
3. Submissions may not contain vulgarities. The editor has judgement on what constitutes a vulgarity.
4. Submissions must be turned in by e-mail, Macintosh disk, or 3.5" high-density IBM compatible disk.
5. All submissions will be submitted to the *Totem* after publication unless explicit instruction is given by the author(s) to the editors to the contrary.
6. The author must be part of the Caltech/JPL community. Certain waivers for alumni, friends of the community, etc. may be made at the editor's discretion.
7. The editor reserves the right to edit, shorten, disallow any submission, or take exceptions to these rules.

The Inside World is back!

Guidelines for Submissions.

Submissions are generally writings that the undergraduate community of Caltech should find interesting. Almost anything is fair game.

1. All submissions must be in by the Friday preceding the issue in which the submission is to appear.
2. Submissions may not contain libelous material without consent of those being libeled. It is the responsibility of the author(s) to check on this fact and explicitly mention this to the editor. Suspicious submissions will not be printed.
3. Pseudonyms are allowed; however, the name of the true author of any submission must be given to the editor, allowing the Inside World editor to release this name upon request.
4. All entries must state a house affiliation, or lack thereof, of an existing undergraduate house on campus. Please inform the editor if the submission is to be printed under another "affiliation."
5. Submissions must be turned in by e-mail, Macintosh disk, or 3.5" high-density IBM compatible disk. The e-mail address is *iw@tech*.
6. The author must be a registered undergraduate. Certain waivers for other people may be made at the editor's discretion.
7. The Inside World editor reserves the right to edit, shorten, or disallow any submission. The Inside World editor also is allowed to waive any of these rules after having received consent of the editor of The California Tech.
8. The Inside World editor is an appointed volunteer job, appointed by the editor of *The California Tech*.

The World Inside

by Wei-Hwa Huang

A long, long, time ago (right after Apple introduced the Lisa into the world), this publication printed a little column called *The World Outside*. Some of you may recognize its present reincarnation is *World News* (which, unfortunately, if defunct due to the lack of a reporter). Two weeks later, the column had already changed its name into *The Outside World*, and it already had a spinoff — *The Inside World*.

Let's relive a moment from those halcyon days: "This week, Ruddock was briefly filled with the noise of exhausted men barreling into each other during one large game of alley football. The object of alley football is for one player to carry a football through all six alleys of Ruddock without getting tackled by the other players. Because of the nature of the contest, many Rudds are considered prime targets. If Don Smith or Jim Hamrick gets the ball, all the players must be mobilized against them. Because of poor weather for our pool party on Sunday, alley football turned out to be the main form of release for Rudds this week."

Appearing weekly, *The Inside World* contained seven little blurbs, each a little news report from each of the seven student houses. Two weeks later, authors started to appear after the blurb, presumably giving them authenticity. By 1987, the print had already become smaller so that the column wouldn't take up the whole page, and the official looking news style had given way: "Hullo. I'm Fred. I raise pigs. For fun and profit. Or at least for fun. Welcome to this edition of the Ricketts Hovse. Inside World."

1989 brought in two new pieces of writing to the *Tech*: one of them being *The Inside World* scoreboard. (The other was *Gödel, Escher, Bach*.) It was originally just a list of how many submissions from each house were recieved over the year. However, a large problem began to occur. Perhaps the best way to phrase it was the beginning of a submission from

Lloyd: "WARNING! The contents of this Inside World may be offensive to the following people: women, graduate students, faculty, members of Dabney House, Tara Kirby, Alvin Law, guys who use condoms, women, farmers, Berlin Wall guards, Rastafarians, Alecia Chen, women, the Kiewiet-Rogers Committee, Democrats, CLAGS, the IHC, the BOC, the SWE, the OWC, women, cat-lovers, guys named Herb, the Flintstones, Shane Sauby, fans of the movie Batman, and women." Ironically, it failed to mention the real offenders: parents.

On Memorial Day, 1991, the inevitable happened: *The Inside World* got relegated to the inside four pages. An "ad" inside proclaimed, "What the heck is this new Format? Why did the Inside Worlds get so much room?" Apparently a parent had become very offended at the material published, and had put pressure to make suer that *The Inside World* truly got put inside.

But not forgotten. Under the tutelage (or perhaps apathy) of Rajesh "Q" Bilimoria, two geniuses (or perhaps imbeciles) were found to promote the next stage of *The Inside Worlds* evolution: Michael Benedetti and Michael Radford. The two worked hard to get an *Inside World* out every other week, and it prospered, bringing in new styles everyday. Then, in 1992, the pair took over the editorship along with a third, Chris DuPuis, and for a while it was thought *The Inside World* was doomed. Not so. In fact, it came back better than ever, with memorable parodies, etc. It was the new editors' grades that were doomed.

A new team took over in 1993, and the question was, "Where's the new Inside World?" For it was published only once third term, that being a Benedetti-Radford comeback. Problems of all sorts arised. Complaints of all sorts arised. Buildings of all sorts arised. And the *Inside World* is now declared officially over. Right?

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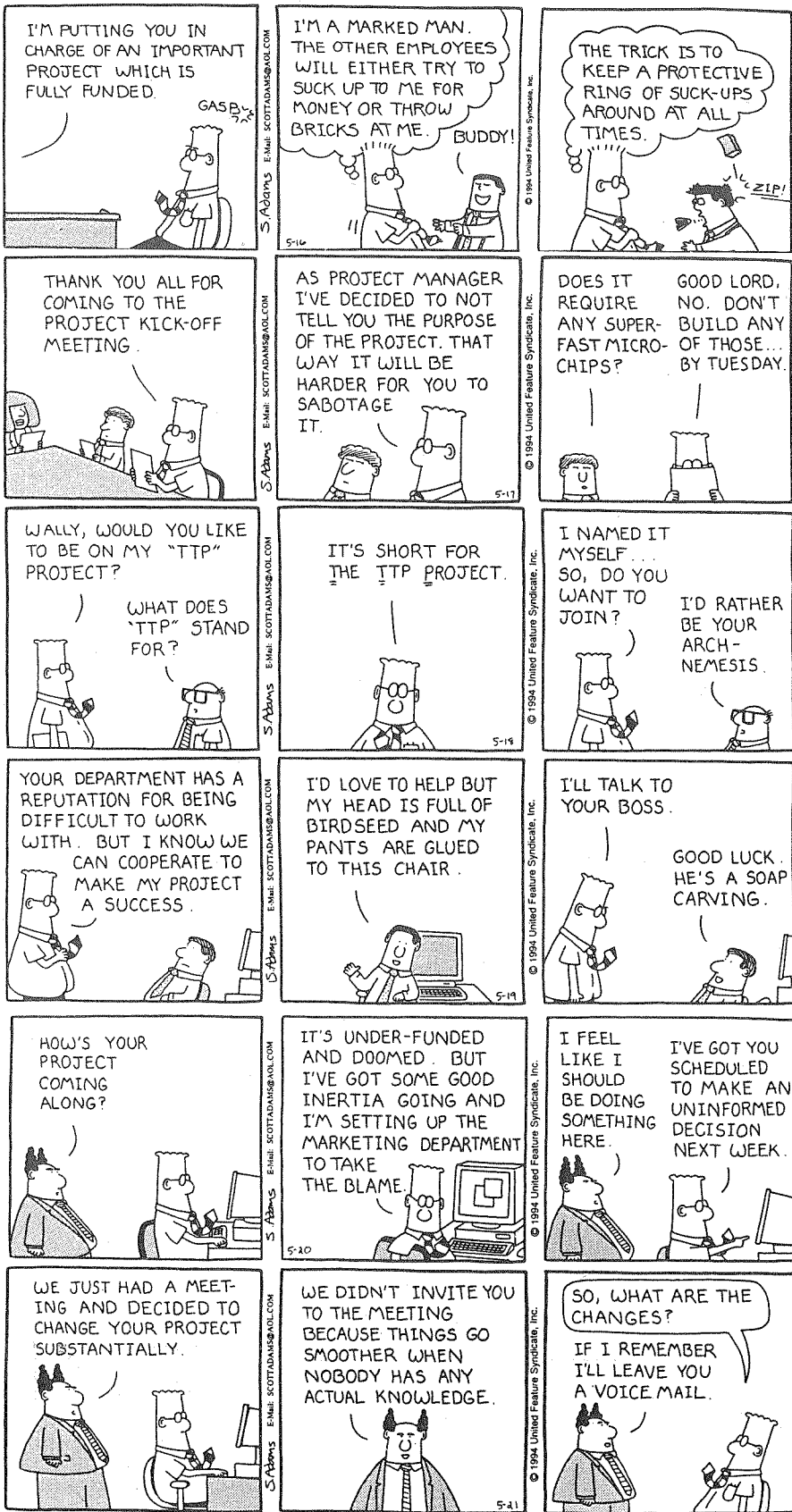
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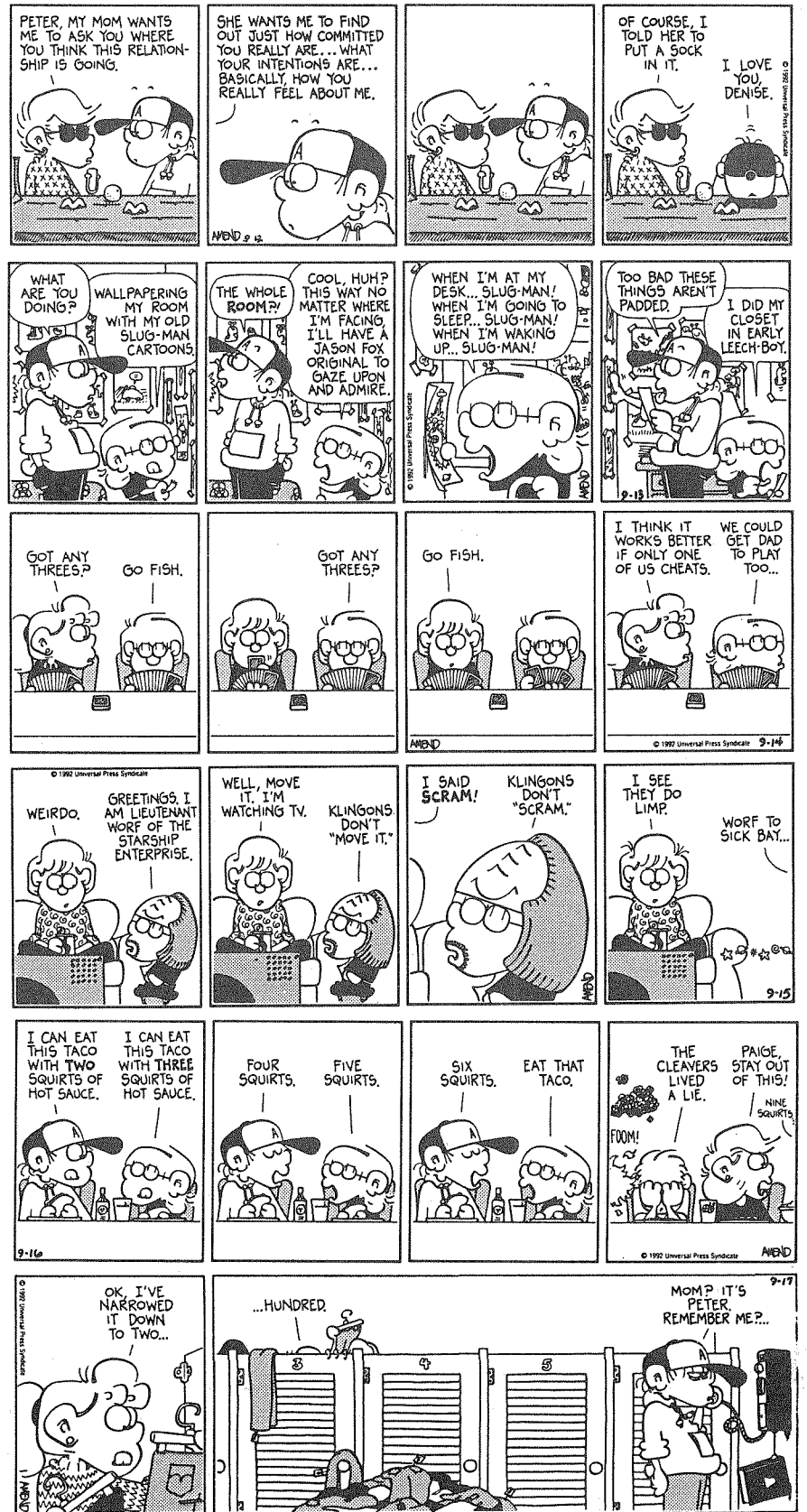
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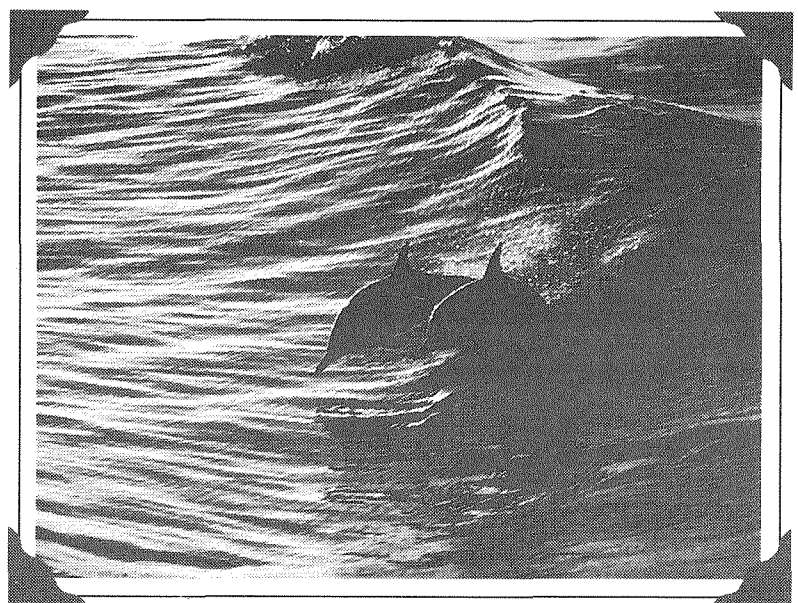
FoxTrot by Bill Amend



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DILBERT

by Scott Adams

DON'T GET TOO CLOSE-- I FOUND OUT THAT MY BALDNESS IS CAUSED BY TOO MUCH TESTOSTERONE.

NOW WITH MY HAIR GONE I'M AFRAID THE TESTOSTERONE WILL START FLINGING OUT OF MY PORES.

HEY! YOU GOT SOME ON MY SHIRT!

DO YOU HAVE A PROBLEM WITH THAT?

BEING BALD ISN'T SO BAD. WITH ALL THIS TESTOSTERONE, MEN WILL FEAR ME AND WOMEN WILL DESIRE ME.

TAKE A HIKE, FUZZY. SHE'S MINE NOW.

I DO FIND YOU STRANGELY ATTRACTIVE.

TESTOSTERONE; YOU'RE HELPLESS.

GEE, WALLY, YOU SURE HAVE BEEN POPULAR WITH WOMEN SINCE THE TESTOSTERONE STARTED SPEWING FROM YOUR HEAD.

IT'S AMAZING... I EVEN BOUGHT A PICKUP TRUCK AND A RIFLE SO I CAN HUNT AFTER WORK.

WHAT DO YOU HUNT AROUND HERE?

PIGEONS ARE THE MOST CONVENIENT... DON'T EVEN HAVE TO GET OUT OF THE TRUCK.

MAYBE IT'S BECAUSE OF MY HIGH TESTOSTERONE LEVELS, BUT I COULDN'T RESIST GETTING MY PICKUP JACKED UP.

I THOUGHT IT WOULD BE MORE FRIGHTENING TO THE PEOPLE I TAILGATE.

THE ONLY PROBLEM IS THAT YOU CAN'T LET PEOPLE SEE YOU TRYING TO GET IN IT.

LIFE HAS BEEN GREAT SINCE THE TESTOSTERONE STARTED SPEWING FROM MY HEAD.

IT LOOKS LIKE THE FLOW IS STOPPING.

WAIT-A-MINUTE. WHY WAS I TOUCHING YOU?

I HOPE YOU WON'T BE SHALLOW ABOUT THIS.

...AND PEOPLE WHO DON'T DOTHER TO VOTE HAVE NO RIGHT TO COMPLAIN.

WHY NOT?

WHY NOT? IT'S OBVIOUS. NO VOTE MEANS NO RIGHT TO COMPLAIN. YOU CAN'T GET MUCH MORE LOGICAL THAN THAT.

BESIDES, THAT'S HOW I WAS RAISED.

YOU WERE RAISED BY BUMPER STICKERS?

Foxtrot

by Bill Amend

I CAME UP WITH THIS GREAT NEW SYSTEM FOR DOING MY HOMEWORK.

OH?

RATHER THAN ALWAYS WAITING TO THE LAST MINUTE TO DO STUFF, I'M GONNA START ON MY ASSIGNMENTS AS SOON AS I GET HOME EVERY DAY. I FIGURE IT'S BOUND TO IMPROVE THE QUALITY OF MY WORK.

NO MORE DELAYS... NO MORE PROCRASTINATION... NO MORE EXCUSES. YEE HA!

WHAT HAPPENED TO YOUR NEW SYSTEM?

I'M STARTING IT TOMORROW.

JOHNSON, YOU'RE GOING TO HAVE TO REDO THIS REPORT.

WHAT DO YOU MEAN?

IT'S GOT SPELLING MISTAKES IN JUST ABOUT EVERY SENTENCE. IT'S TOTALLY UNACCEPTABLE.

"ACCOMADATE"? "INDEPENDANT"? "BOTTEM"? IT'S LIKE A THIRD-GRADER WROTE IT!

HEY, DON'T BLAME ME...

THIS STUPID COMPUTER DIDN'T COME WITH A SPELLCHECKER.

LET ME SPELL SOMETHING OUT FOR YOU.

JASON, WHERE ARE YOU GOING WITH THOSE TOOLS?

YOU TOLD ME TO MAKE MY BED.

I WAS THINKING OF USING CHERRY WOOD WITH A NICE MAHOGANY FINISH. OR WOULD THAT BE TOO DARK?

I WANT THOSE TOOLS BACK IN THE GARAGE, NOW!

SO YOU'RE TELLING ME TO NOT MAKE MY BED?..

HI, DADDY! YOU'RE HOME EARLY!

YOU MUST'VE SENSED I WAS COOKING DINNER TONIGHT AND YOU WANTED TO RUSH RIGHT HOME AND BE FIRST IN LINE.

THINK ABOUT IT! HOW ELSE CAN YOU EXPLAIN IT?!

I GOT YOUR MESSAGE. THIS WAS THE BIGGEST BOTTLE OF ASPIRIN THEY HAD.

IS SHE STILL FRYING THE SALAD?

SO MUCH FOR THE "LET'S CHUG A POT OF COFFEE BEFORE THE MATH TEST" STRATEGY.

IS THERE A WOODPECKER IN HERE?

TAP TAP TAP TAP TAP TAP TAP TAP TAP TAP

WHAT A GLORIOUS DAY.

WHAT KIND OF DERANGED MIND WOULD PILE LEAVES ON TOP OF DOG DOO?

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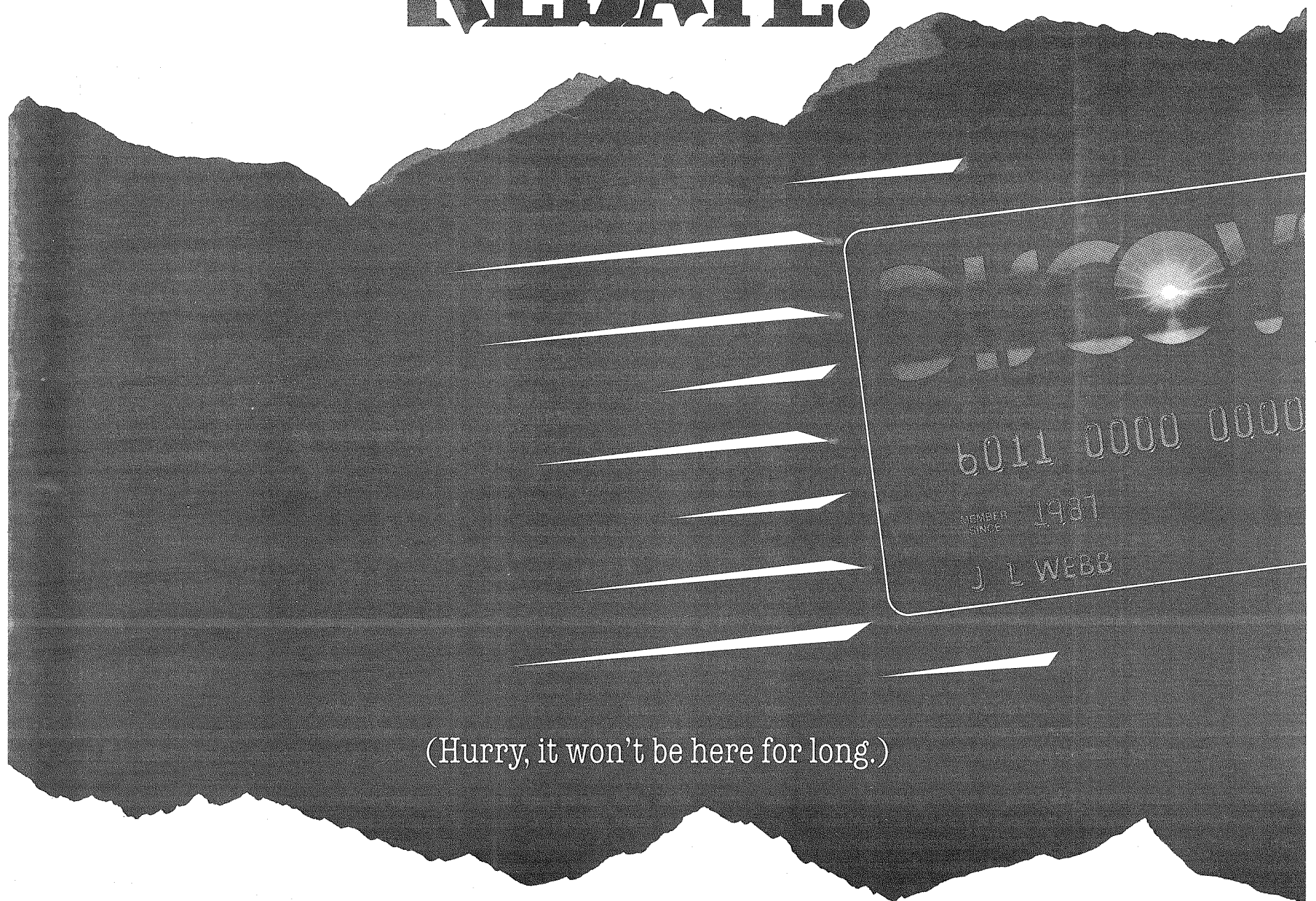
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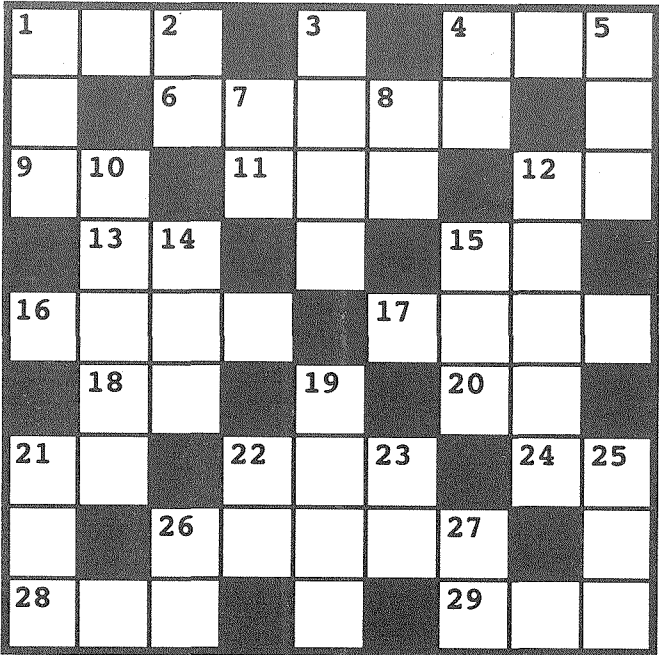
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Cross-number

edited by Wei-Hwa Huang



Like most crossnumbers, no entries begin with the digit zero. This problem concerns drivers Lloyd, Radika, and P.J., three drivers who drove in a race. Lloyd was able to maintain a constant speed throughout; Radika ran into engine trouble after 18 laps and for the rest of the race had her speed reduced by 7 meters per second; and P.J., who started the fastest, crashed. Treat all speeds as constant in meters per second, all times in seconds, and distances in meters.

ACROSS

- 1. Time Radika travelled after her engine trouble
- 4. 700 less than Radika's total time
- 6. How far P.J. traveled before his crash
- 9. Twice Radika's initial speed
- 11. Distance P.J. travels in 5 sec.
- 12. Half 21-across
- 13. 5 more than the number of laps
- 15. Twice the number of laps
- 16. 50 less than the length of a lap
- 17. 30 less than 3-down
- 18. Twice 21-across
- 20. Amount of time Lloyd takes to travel 1.5 laps
- 21. Radika's time per lap at her initial speed
- 22. Radika's distance in 3 seconds at her slower speed
- 24. Number of laps
- 26. Distance P.J. travelled 1 second before his crash
- 28. Distance P.J. was ahead of Radika after 1.25 minutes
- 29. Time Radika had her motor trouble

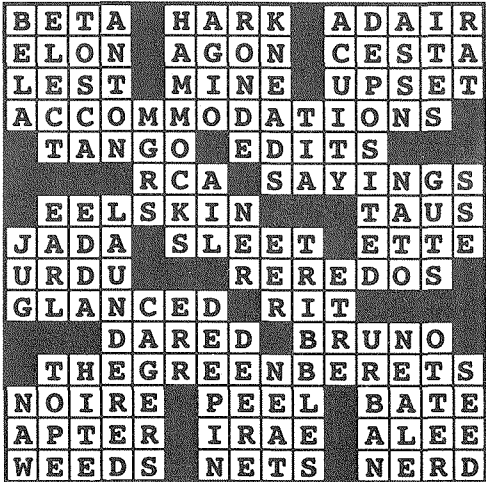
DOWN

- 1. Lloyd's time for nine laps
- 2. Radika's initial speed
- 3. Distance Lloyd travels in 38 sec.
- 4. Lloyd's speed
- 5. Length of a quarter lap
- 7. Lloyd's time per lap
- 8. Distance P.J. was ahead of Lloyd after 15 sec.
- 10. Total length of race
- 12. How far Radika travelled before P.J. crashed
- 14. 5 times the number of laps
- 15. When P.J. crashed
- 19. Amount of time Lloyd takes for 25 laps
- 21. 600 less than Lloyd's total time
- 22. Lloyd's time for a third of a lap
- 23. 10 more than Radika's faster speed

- 25. Distance P.J. was ahead of Lloyd after two minutes
- 26. 10 less than Radika's slower speed
- 27. 5 more than 15-across

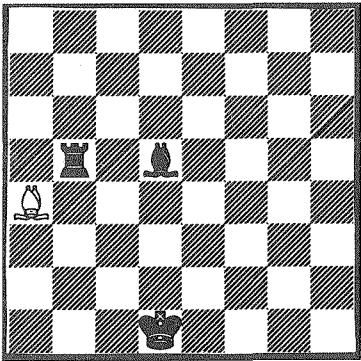
For a clue to this cross-number puzzle, fingergp@tech. Each finger costs \$0.00 per minute. Children under 12 must have their parent's permission to finger.

Last Week's Answer



Chess

edited by Wei-Hwa Huang



Locate the (Invisible) White King

This problem is from Raymond Smullyan's *The Chess Mysteries of The Arabian Knights*. The entire book is a gem focusing on chess problems dealing with "retrograde analysis." For those of you unfamiliar with this, it means that to solve the problem, you must make deductions about what *must* have happened in the past of this game. You may assume that all moves in this game have been legal.

Answers

1 QR-QN7 does the trick. Now Black is stuck in *zugzwang* in this symmetric position; he has nothing that can stop either R-N8mate or R-R8mate.

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ASCIT NEWS

14 October 1994

✓ ELECTION

- Congratulations to **Jonathan McDunn**, who was elected ASCIT President. He will serve the remainder of the term of office.
- The **Bylaws Amendment**, to extend voting eligibility on BOC-related Bylaws to all undergraduates, passed with 74% approval.

✓ APPOINTED OFFICES

- Several offices, including the position of **Staff Recorder** (who takes minutes at Board of Directors meetings), are open for appointment. See the material posted in the Houses and on the east side of Winnett (to the right of the ATM) for additional information. Questions should be directed to David Derkits, ASCIT Secretary, at dderkits@cco or x1402.

✓ DUES AND ASSESSMENTS

- The ASCIT Board of Directors is considering a resolution which would discourage dues or assessment increases through Bylaws Amendments *during third term*. This action has been taken at the request of the Financial Aid Office, as they need time to process such increases into the financial aid packages, which are finalized at the end of third term.

✓ CLUB FUNDING

- The Board of Directors will hold a **budget meeting** on Sunday 23 October for the purpose of funding clubs for first and second terms.

Funding application forms are available in the SAC mailroom, near the ASCIT copier.

✓ PUBLICATIONS

- The *little t* and *CLUE* are being distributed. Copies may be obtained in the Deans' Office.
- The *on-line CLUE* will be activated by the end of next week. The *CLUE* will be accessible through the ASCIT WWW Page.
- The *Big T* (yearbook) has arrived and is being distributed through House secretaries.

✓ MISC ANNOUNCEMENTS

- Flora Ho is looking for **co-editors** for the 1994-1995 *CLUE*. Interested undergraduates may send e-mail to floho@cco.
- ASCIT has given official recognition to the Common Key Committee.
- Penny Sherman has been appointed by the Board to represent ASCIT on the Women's Center Advisory Board.
- The next **meeting** of the Board of Directors will be held at 8:00 PM on Monday 17 October in SAC 64, the ASCIT Office.
- WWW: <http://www.cco.caltech.edu/~ascit/>
- Copies of ASCIT Board **Minutes** are available by mail or e-mail free of charge **on request** to students, faculty, and administrators. Requests should be sent to Secretary, ASCIT 64-58 or dderkits@cco. The Minutes are also available on caltech.ascit.announce.

YNEWS

by Topher

This week, the Y is presenting Jervey Tervalon, author of *Understand This*. Mr. Tervalon will deliver a talk entitled, "It's Like a war Out There: The Plight of Black Youth in Los Angeles." The talk will be on Tuesday the 18th at 7:30 in Beckman Institute Auditorium.

Also on Tuesday: Mountain Bikers! Tired of the same old trails? The Y organizes weekly rides into the San Gabriel Mountains, going out to trails that aren't easily accessible from Tech. Talk to Chris Sundberg, x6164, for more details.

Everybody loves a parade! Especially when it's the Doo-Dah Parade, an annual Pasadena tradition. The Doo-Dah Parade is a fun and exciting "alternative" to the Rose Parade (the Doo-Dah Parade generally makes playful fun of the Rose Parade). This year's parade will take place on Thanksgiving weekend, and the Caltech Y has been invited to join. If you'd like to help, or if you've got a cool idea, drop by the Y and let us know.

The Y ExComm has moved its meetings to Monday at noon, still in the Y lounge. The ExComm is open to all grads and undergrads. Come see what we're all about.

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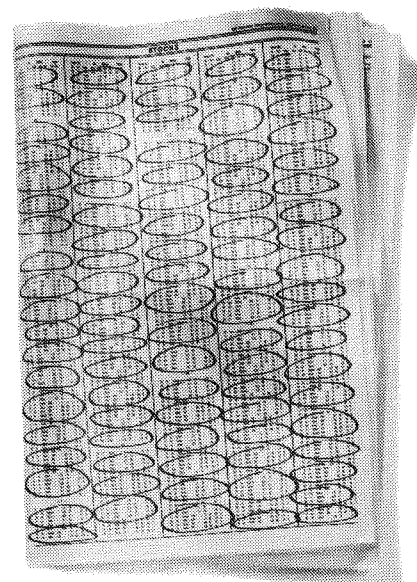
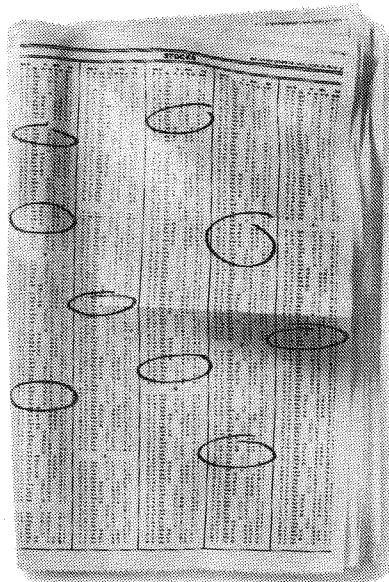
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Election

FROM PAGE 2

ated by U.S. atomic testing.

Doug Kahn, a small businessman from Altadena, is running against Moorhead for the second time after a narrow defeat in 1992. Unlike Moorhead, he is very pro-choice. He is also in favor of major health care reform that will insure that every working family in the U.S. has health care coverage. On the issue of crime, he promises to propose legislation that will require serial numbers on all ammunition. For the California economy, he would like to replace the jobs lost in the defense industry with high-tech jobs in areas like alternative transportation which could also help save the California environment.

California Democratic State Senator Art Torres is running for the position of Insurance Commissioner. As Insurance Commissioner, Torres will push for a "Homeowner's Bill of Rights" that will protect people from insurance companies that don't pay up when California falls victim to major disasters like the Northridge earthquake. He pledges an "all out war" against high insurance rates, insurance fraud, and redlining. Art Torres has refused to accept campaign contributions from the insurance industry. As a state senator, he put committee briefing papers online on Compuserve and co-authored legislation to make the State Legislature computer accessible to voters. Unfortunately, I do not have much information on Torres' opponent. To obtain information about the Republican candidate, contact the local G.O.P. headquarters.

The contrast between the candidates is perhaps nowhere more striking than in the race for Attorney General. On the issue of civil rights, Dan Lungren (incumbent) has a particularly miserable record. As Attorney General, he refused to collect hate crime statistics, crippling the state's ability to prosecute civil rights cases. When he was in Congress, Lungren opposed making Mar-

tin Luther King's birthday a national holiday and opposed reparations to Japanese-Americans interned during World War II. He is also strongly opposed to gay rights and has declared publicly that homosexuality is a "sin." Lungren is

so vehemently anti-choice that he earned the dubious distinction of being the only statewide official to be targeted for defeat by the California Abortion Rights League (CARAL). The state director of the Sierra Club dubbed him "one of the most hostile officials toward environmental issues that we have ever seen."

Tom Umberg, on the other

hand, has worked hard for civil rights in the State Assembly where he passed tough hate crime legislation and fought for bills that outlawed job and housing discrimination on the basis of sexual orientation. He has the endorsement of CARAL which has given him a 100% positive rating. As an Assemblyman, he also worked hard to crack down on indi-

viduals who refuse to make child support payments. Umberg is a strong environmentalist who has the endorsements of the California League of Conservation Voters and the Sierra Club. Umberg's tough crime stance has earned him the endorsements of the California State Police Association and the California Organization of Police and Sheriffs.

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- "GREEN" Mother Board
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Pentium 66MHz : \$1895

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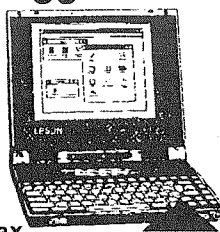
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- 4MB Ram exp. to 8MB
- 260MB Hard Disk
- 9600 Fax/ 2400 Modem
- 1.44MB Floppy
- Logitech Trackball
- Carrying Case
- MS DOS & Windows, Win Fax

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Action Note 500C

- Dual Scan Passive Color
- 486SLC2-50MHz
- 4MB Ram exp. to 8MB
- 260MB Hard Disk
- 14,400 Fax/Modem
- 1.44MB Floppy
- Logitech Trackball
- Carrying Case
- MS DOS & Windows, Win Fax

One Year "EPSON" Warranty

\$1995

Action Note 700C

[Color]

- Dual Scan Passive Color
- 486DX-33MHz w/Math
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- 1.44MB Floppy
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Notices

¶Mazel—If you petted Mazel last week because we told you to and got typhus, we're sorry. The reason is that Mazel was obviously wearing a flea collar at the time, so we're sorry you're a nasty person who would even *think* that Mazel was a carrier.

¶Attention all CLUE-users! Yes, it's true—the CLUE is now on-line in xmosaic! You can access it either through the ASCIT Home Page, or by logging in and typing: mosaic <http://www.cco.caltech.edu/~ascit/> Also, the Dean's Office still has plenty of CLUES, so the requirement for bringing in a CLUE request slip has been lifted—just go ahead and grab one if you don't plan on using the xmosaic version (which is still strongly encouraged, by the way). Enjoy!

¶The 1995 Elie Wiesel Prize in Ethics Essay Contest, with awards totaling \$10,000, is now open to junior and senior undergraduates who are enrolled full-time at an accredited college or university in the United States. The deadline for submitting an original 3,000-4,000 word essay is January 13, 1995. The theme for this year is: "Creating an Ethical Society: Personal Responsibility and the Common Good." For entry forms and guidelines contact: The Elie Wiesel Foundation for Humanity, 1177 Avenue of the Americas, 36th Floor, New York, NY 10036. Phone: (212) 221-1100.

Flu Shots—The Health Center has arranged to offer flu shots to students. People in this age group are not generally thought to be at risk unless chronically ill, but because of the high stress and close living conditions at Caltech these are risk factors to be considered. Dr. Miller also wishes to remind students that flu shots are a *preventive* measure and need to be given 6 to 8 weeks prior to the time of a predicted outbreak in order to be effective. The flu shot is of no value once the symptoms have developed. The best time to be vaccinated is between Oct. 3 and Nov. 15. Shots given during this slot should provide maximum protection throughout the entire flu season. Cost for this service is \$5, which may be charged to the student account. Flu shots will be available to students only.

Give Blood—Two-day blood drive in the Winnett Student Lounge, Monday, November 21 from 9:15 - 2:30 and Tuesday, November 22 from 12:15 - 5:30. Please contact Veronica Kirton at x6374 for an appointment, although walk-ins are welcome.

The 55th Annual William Lowell Putnam Mathematical Competition will be held on Saturday, December 3. The competition is open only to regularly enrolled undergraduates, in colleges and universities of the United States and Canada, who have not yet received a college degree. No individual may participate in the competition more than 4 times. Sign up in Sloan by October 12. A "warm-up" session will be given one week before the test.

The Pasadena Foothill-Valley YWCA Rape Crisis Center offers self defense classes for women, survivor support groups and short-term therapy. Call 793-5171 for information.

Dances and music of many nations is the *what*. Every Friday evening from 7:45 p.m. to 11 p.m. is the *when*. Throop Unitarian Church at 300 Los Robles at Del Mar is the *where*. You and all your friends that are interested in an atmosphere of friendship, relaxation and yet a challenge to your mind and feet is the *who* and *why* offered by the Pasadena Folkdance Co-op.

The Co-op, a fifty year old club that has offered folks the opportunity to enjoy International Folkdancing, will continue that tradition throughout the month of October. To protect the wooden dance floor all are asked to use soft soled shoes. A \$1.50 contribution is requested from all participants. October 28-30 many Co-op members will participate in Folkdance Camp Hess Kramer. For more info on this camp call 310-478-6600.

From the Counseling Center

A self esteem group will be offered to undergraduate students beginning October 13, 1994. Participants will explore personal attitudes and beliefs which directly affect one's feelings about oneself, and learn skills to increase self confidence and self esteem. The group size will be limited to 6-8 members. Those interested should call Virginia at 818-395-8331 to arrange a meeting with the group co-leaders prior to the group's first session to discuss the student's and the group's expectations and goals.

Attention Women Graduate Students—A new women's group is forming designed to help women examine a range of issues relevant to their lives and experiences. We will explore the barriers for women in achieving success, balancing career and personal goals, and challenges in professional or personal relationships. These and other concerns raised by group members will be discussed in a confidential group setting over the academic year. Each group member needs to meet with the group leaders for a pre-group interview. If you would like more information or to schedule a pre-group interview, please contact the Counseling Center at 818-395-8331. The group will meet weekly on Tuesdays at the Counseling Center beginning late October.

The Gay, Lesbian and Bisexual Support Group meets the first and third Tuesdays of each month 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 395-8331.

Coming Events

Please mark your calendars for October 15, 1994 and join the women and friends of the Pasadena Rape Crisis Center to Take Back the Night!! This march is for and about women. Women will join together on the streets of Pasadena and Take Back the Night in a stand to end violence against women. The march starts at 6:00 p.m. The Crisis Center also offers monthly self defense classes, survivor support groups, and short-term therapy. For more information, please call 818-793-5171.

The Child Educational Center presents the 1994 JPL Arts & Crafts Fair. There will be over 80 booths of hand-crafted goods, entertainment, food, and children's activities.

The JPL Space Museum will also be open during the Fair hours. Parking and admission are free. The fair will be open on Friday, October 14 from 3 p.m. to dusk and Saturday and Sunday the 15th and 16th from 9 a.m. to 5 p.m.. For more information, call 818-354-8720.

Club Announcements

Science, Ethics and Public Policy Seminar—Thursday, October 20, 1994, at 4:00 p.m. Judy Library, 110 Baxter. "Redefining Environmentalism: Questions of Gender, Race, and Class," by Dr. Robert Gottlieb, Coordinator, Environmental Analysis and Policy Area, Department of Urban Planning, University of California, Los Angeles. Refreshments will be served.

There will be a Halloween Party held by the Caltech Folk Dancers on October 25, 1994. If you have questions call Nancy at (818) 797-5157. There will be live music (by Miamom Miller & Pals) and more. "Be there or be rectangular."

ATTENTION: E-club barbecue date changed—Due to the recent bad weather. The Entrepreneur Club changed the upcoming Barbecue from 10/8 to this Sunday, 10/16 at the Winnett Quad from 2 p.m. to 4 p.m. There will be plenty of free food, so don't miss out! Contact jessica@portia for more info.

The DarkRoom User's Group (DRUG) will be holding a free black and white developing class Saturday, October 8 in the Darkroom (Room 39 in the Student Activities Center, under the South Undergraduate Houses) at 2 p.m. Both current and prospective members are welcome to come. Contact Tim Shoppa (x4327, shoppa@altair.krl.caltech.edu) or Alex Zeyliger (sasha@cco.caltech.edu) for more information.

The Caltech Ice Hockey Club will be hosting its first game of the season, Wednesday, October 12 at 10:45 p.m. at the Pasadena Ice Skating Center. Come and watch!

The first movie to screen in the German Film Series for Fall 1994 is *Der Plotzliche Reichtum der Armen Leute Von Kombach* (1971). It will be shown on Wednesday, October 12 in BAXTER LECTURE HALL at 7:30 p.m. This film features English subtitles and is presented free of charge. For more information, please call 395-3610.

Free Film Program—The Pasadena Public Library shows films every Wednesday afternoon at 1:30 p.m. in the auditorium of the Central Library, 285 E. Walnut St. The program for the rest of October is: Oct. 19—*The Zoo Gang* (96m); Oct. 26—*Baby Boom* (103m). For more information, call the Adult Services staff at (818) 405-4037.

'Twas brillig and the slithy toves did gyre and gimble in the wabe. All mimsy were the borogoves, and all the mome raths outgrabe.

Internships and Competitions

¶The California Tech has recieved information on the Dow Jones Newspaper Fund offering

all college graduate students the opportunity to apply for one of 70 \$1,000 scholarships that are being offered as part of the 1995 Newspaper Editing Intern Program. Interested persons should contact Wei-Hwa Huang in the Tech office ASAP in order to pick up one of three application packets and make certain arrangements before November 1.

Fellowships and Scholarships

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 Northrop Grumman Corporation is offering three \$3000 scholarships at Caltech for the 1994-95 academic year. Scholarships are available to all students (including freshman) enrolled full-time and majoring in electrical engineering, mechanical engineering, aerospace engineering, computer science/engineering, or manufacturing engineering. A GPA of at least 3.0 is required. Students must show evidence of a strong academic record and a career interest in the aerospace/defense industry. Applicants must be U.S. Citizens and may be a concurrent recipient of another company's scholarship. Resumes and academic transcripts must be received by the Financial Aid Office at 515 S. Wilson by 5:00pm, Friday October 21, 1994.

The Organization of Chinese Americans—Greater Los Angeles Chapter (OCA-GLA) is offering scholarships of up to \$1000 to students who have become involved in the Chinese American community. Scholarships will be awarded primarily on the basis of community or leadership activities in the community and on academic achievement. To be eligible to apply, students must: be of Asian-American heritage; be a resident of Los Angeles County; be a U.S. Citizen or Permanent Resident; and be currently enrolled in a college or university. (graduate students are also eligible) Applications are available in the Financial Aid Office and must be received at OCA-GLA no later than October 31, 1994.

The Los Angeles Chapter of the Data Processing Management Association (DPMA) is offering at least one scholarship for \$1000, provided by the Bert A. Monaghan Scholarship Fund. Eligible students must be majoring in Computer Science, must have filed a FAFSA application and have demonstrated financial need. Application forms and guidelines for additional requirements are available at the Financial Aid Office. Completed applications must be received at the Financial Aid Office at 515 S. Wilson no later than 5:00pm, Wednesday November 23, 1994.

The American Concrete Institute (ACI) is offering several awards. The Peter D. Courtois Concrete Construction Scholarships are two \$1000 awards for undergraduate study in concrete construction for the 1995-96 academic year. Eligible students must be enrolled at least half-time and must be seniors in 1995-96. The application, available at the Financial Aid Office, with all required supporting documents is due January 10, 1995. ACI Committee is also offering one ACI-James Instruments Student Award in the amount of \$800, for original student research on nondestructive testing of concrete. Applicants must submit a technical paper describing the research. The award is open to undergraduates or graduates, and the research work must have been completed within two years of the submission date. Completed technical papers must be received by ACI Committee no later than November 30, 1994 at the following address: c/o Dr. Allen Davis, STS Consultants Ltd., 431 South 300 East, Salt Lake City, UT 84111. ACI is also sponsoring three different competitions: the Concrete Cube Competition, the Concrete Egg Protection Device Competition, and the Concrete Projects Competition. For complete rules, call the ACI Education Department, at (313) 532-2600.

The Association of Former Intelligence Officers San Diego Chapter 1 announces the establishment and offering of the Annual Lieutenant General Eugene F. Tighe, Jr., USAF Memorial Scholarship. The scholarship is in the amount of \$1000. It will be awarded based on the judged quality and suitability of a 1,000-1,500 word essay on the topic of: What role should the United States Government's Intelligence Community play in supporting American business interests worldwide? Completed applications/essays must be postmarked no later than December 15, 1994.

Glamour Magazine announces its 1995 Top Ten College Women Competition. Scholarships are in the amount of \$1000. Winners also receive national recognition in Glamour's October 1995 issue, and the opportunity to meet with top professionals in their fields. Women who are full-time juniors for the 1994-95 academic year are eligible to apply. Applications are due January 31, 1994.

Miscellaneous

Milton Bradley's Pass the Pigs, the game that uses pigs as dice, is sponsoring a national search for the biggest "pigsty" on college campuses. The contest is open to college students across the country; entrants must be nominated by their RAs. The grand prize winner will receive \$1,000, a professional room cleaning, an on-campus party for 100 of his/her closest friends and a Milton Bradley prize pack. The nominator of the grand prize winner will receive \$1,000. To participate, contestants must send a 4x6 photo and a brief paragraph describing why they're proud of their "pigsty." Entries must be postmarked by October 10 to Pass the Pigs' Pigsty c/o Fleishman-Hillard, Inc. 1330 Avenue of the Americas NY, NY 10019. Don't forget to have the RA sign the nomination.



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