

Free your
mind . . .

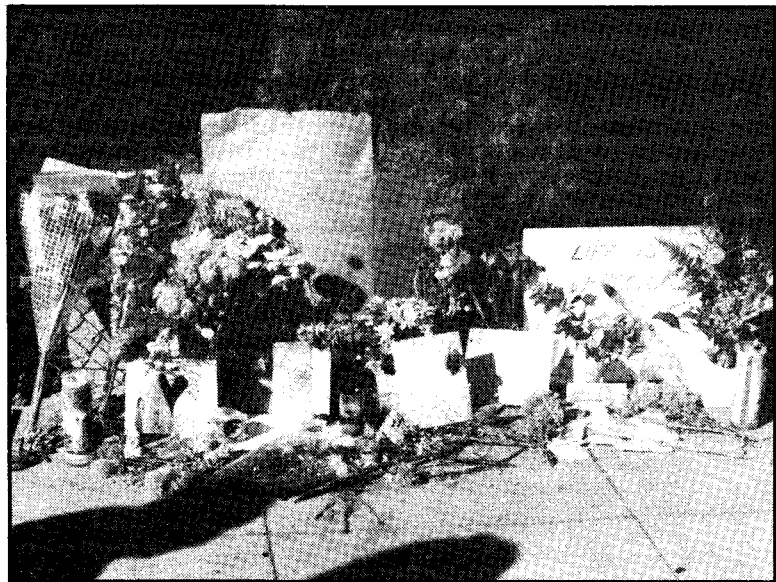
The California Tech

and the
Tech will
follow.

Volume XCV, Number 7

Pasadena, California

Friday, November 5, 1993



Flowers adorn the spot where three children were killed on N. Wilson Avenue. A candlelight vigil for the victims was held Wednesday night.

Three children killed in North Wilson ambush

by Laurent Stadler

Three children were killed and three wounded Sunday night when two gunmen jumped out from behind a fence and fired automatic weapons at them. The three slain were identified as Stephen Coats Jr., 14, Reggie Crawford, 14 and Edgar Eyans, 13. The identities of the three survivors have not been released, but they allegedly have been released from medical care after treatment for minor injuries. The victims are not believed to have had any gang affiliation.

The killing occurred at around 10:30 Sunday night near the corner of Wilson Ave. and Emerson St. about two blocks north of the 210. The children were coming home from a Halloween party and

stopped at a small local market to call home. While at the phone, four carloads of unidentified people stopped and stared at the children. After leaving the pay phone, the children ran home on the west side of Wilson. As they were running, they passed a innocuous-looking house with a four foot high chain link fence, some bushes, and a "room for rent" sign. It is believed that the two gunmen then jumped over the fence and fired at the children. Two of them were shot dead on the lawn; one is believed to have run to the steps of a nearby house and was shot there. The gunmen then ran north to Emerson St., where they entered a car and drove off. No motive is currently attributed to the killings.

Russell amuses Techers

by Michael Kantner

Gathering material from local, global, current, and past events, Mark Russell brought laughs to a full Beckman Auditorium this past weekend. Having no particular agenda, he lampooned both liberals and conservatives, and was generally politically incorrect.

The show opened with current local events. After a faux pas about the merger of "Paramount and the Home Shopping Network," he received some chuckles for asking, "Will Ted Danson do a remake of the Jackie Robinson story?" The laughter grew louder when he asked how many were at the show because "this place has a roof." He then reassured us that help was on the way from FEMA. Unfortunately, it was headed for Oakland.

"God is angry at the Reginald Denny verdicts," was his explanation for the fires. Showing knowledge of California politics, he commented that the schools destroyed by fire were merely a preview of proposition 174.

After much success with fire jokes, he flopped with jokes about the supercollider. "How much pork can you pack into a tunnel 50 miles long?" received only a mild guffaw. Leaving local news behind, the topic switched to the Russian elections. In Boris Yeltsin's democracy, the opposition is outlawed. Yeltsin also won the "Best Use of a Tank by a Presidential Candidate since Michael Dukakis" award for shelling the parliament building while it was in session.

As expected, national events

see RUSSELL, page 9

Correction

The article in last week's *Tech* (October 29) on Thomas Mannion, the new Director of Housing, gave his name incorrectly. The *Tech* would like to apologize to Mr. Mannion for the error.

New financial aid procedure for 94-95

by Ellen Harris

In the next several weeks, the U.S. Department of Education will begin to mail a 1994-95 Renewal Application for Federal Financial Aid to students who applied for federal financial aid in the 1993-94 school year. The renewal application will be mailed to each student's home address. This new procedure is designed to streamline the financial aid application process. Currently enrolled seniors will also receive a Renewal Application. This application can be used to apply for financial aid at a graduate school.

The U.S. Department of Education expects that the Renewal Application will be a simpler method of applying for Federal Financial Aid. Students and families using

the Renewal Application will have to answer fewer questions. Approximately 75% of the questions will have the answers pre-printed on the form, based on information submitted on the 1993-94 application. For these questions, students only need to write in responses if the pre-printed information is not currently correct (such as a change in family size).

The pre-printed information will be the same as the information originally provided in 1993-94, including corrections made before November 1, 1993, and will have already been reviewed in 1993-94 by the Financial Aid Office. Students also need to provide information for the remaining questions that do not have pre-printed answers, such as 1993 Adjusted Gross Income.

The Renewal Application can be processed faster than last year's Free Application for Federal Student Aid form because there's less to process. Students and families will have fewer questions to answer which means they will spend less time filling out the application. And with pre-printed responses, there should be fewer errors, which means less time spent making corrections and waiting for those corrections to be processed. The Renewal Application will save everyone time.

In the event that a student does not receive a Renewal Application form by January 10, 1994, he or she should contact the Caltech Financial Aid Office to request the Free Application for Federal Student Aid (FAFSA), which may be used

see FINANCIAL AID, page 10

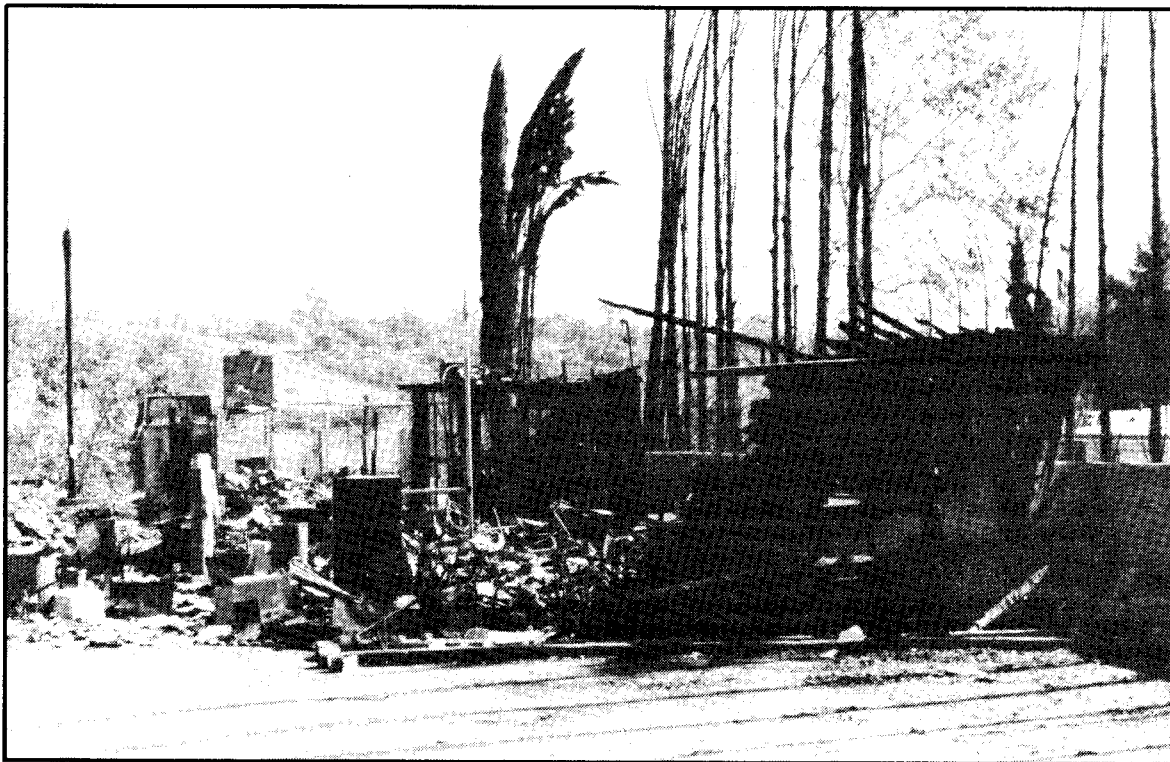


photo by Rich Ziola

A part of one wall is all that remains of this house in Altadena. Last week's raging brush fire burned 5,700 acres and destroyed 151 homes in the Altadena area.

BOC bylaw changes proposed

by Karen Shih

Along with a new class, first term '93-'94 also ushered in a few transitional changes in student government at Caltech. One of them was my petition to the ASCIT ExComm to remain as ASCIT Secretary while taking a term of voluntary leave, as prescribed by the ASCIT Bylaws for officers of ASCIT. Another was an unexpected vacancy on the Board of Control due to academic ineligibility.

Although the nature of the two vacancies were inherently differ-

ent, it was apparent that the bylaws provided no way for BOC representatives to continue service while on leave. During the past weeks, several bylaw proposals have come before the ASCIT BOD regarding this difference in the freedoms given to officers of these two pillars of student government, the most

controversial one being that which would give a BOC representative a chance to petition the ASCIT ExComm for permission to finish her/his term of office while taking a leave.

Details of the proposals aside, discussion in the ASCIT BOD

see BOC, page 10

The California Tech

In this issue . . .

Ernest Explains	2
Y News	2
IHC Minutes	2
Crime & Incident Beat	2
World News	3
Sports	4
Bridge Without Sam	4
Entertainment	5
Adam Villani: Media Guy	5
Comics	6
ASCIT Minutes	9
Events & Notices	12

The Caltech Y is sending a group of volunteers to Tijuana next weekend (November 12 & 13) to help with painting at a youth center. If you are interested or have questions, please call the Y at x6163 or Seiya at 577-7973.

IHC minutes, October 28

by Craig Smith

Present: Asif Hassan, Ben Smith (Bl), Jim Murdoch (Da), Eric Loftsgaarden (Fl), Eric Slayback (Ll), Derek Surka (Pa), Dave Perlman (Ri), Stan Grant (Ru), T.J. Creath, and me.

Meeting times: We agree to meet on Thursdays at midnight.

Interhouse: Do we want to push for it (or at least some form of it) this year?

Synopsis of feelings by House:
Blacker: really wants to see it happen.
Dabney: the house would like to see it.
Fleming: really wants to see it happen.
Lloyd: no one has expressed any real interest in it.
Page: fine, if the administration approves it.
Ricketts: would push for it.
Ruddock: will do OPI anyway, but it would be cool.

When Ben was chair he pursued it and was told by the MOSH and DRL that it would not be O.K. Perhaps things have been changed.

Pumpkin Drop: costs \$250, and ASCIT only gave them \$75 dollars. Most of the cost is for the LN_2 . If each house contributes \$25, a few lucky Darbs won't get hosed by a tightwad ASCIT. I guess they need to save up for that installations dinner.

New Administrators to meet:
 Gregg Henderson, new Security Director
 Tom Mannion, new Housing Director
 Sharyn Slavin, new Assistant V.P. for Student Affairs

Discobolus News: Blacker forfeited in soccer (waited too long to reserve the field), so a note to all ath teams: Make sure you can get the field. They competed in crew unofficially, and Blacker won. Lloyd has challenged in Ultimate. The order is now: LL RI PA DA RU BL.

Rotation Rules: In light of the discussion about the Rotation Rules this year, whether they should be changed, or not exist at all, suggests that while we are not under extreme time constraints, it would be a good idea to get input from the undergraduate community and try to modify them appropriately. The House presidents will try to get suggestions for changes from members of their Houses, and it will be discussed at the meeting on November 11.

Meetings: We are going to have an agenda of items to discuss at the meetings, finalized a day before the meeting (except for random announcements). If there is anything that you would like the IHC to discuss, send me e-mail (craig@cco).

Hazard in Ricketts courtyard: metal scaffolding was approved by both Barbara Green, and the Safety Office.



by Gypsy Achong

Crime Tip: Try to park your car in a well lit area until the parking structure on Holliston is completed.

- 10/25 12:00 P.M.-10/26 11:40 P.M. A bike which was parked and chained at Bridge Lab was stolen. \$200
- 10/25-26 5:00 P.M.-8:00 A.M. Eighteen packs of photocopy paper were removed from the photocopy room in Keck. The room was secured and there were no signs of a forced entry. \$72
- 10/28 6:30 A.M.-10/29 12:00 P.M. A key was removed from an open briefcase left in a computer lab in Jorgensen.
- 10/28 8:00 A.M.-10/31 3:45 P.M. The front driver side window of a student's car was broken out. The car was parked on Holliston in front of Keck house.
- 10/29 9:00 P.M.-10/30 5:45 A.M. Another student's car parked on San Pasqual in front of the Housing annex had its rear driver's side window broken. Nothing was removed from the car.
- 10/30 The driver's side rear passenger window of yet another student's vehicle, parked on Arden Rd., was broken out.
- 10/29-30 A student left his backpack which contained his wallet and some books on his desk in his office in Steele. On return he discovered that \$20 was missing from his wallet. His office door was unlocked. \$20
- 10/31 8:05 P.M. Some high school boys are suspected of stealing food from the kitchen in Snake (Ricketts House). A student saw them carrying bags from that general direction at the time.

This week's total: \$292

LAEMMLE THEATRES

ESQUIRE

2670 E. Colorado Blvd.
 (818) 793-6149

Anthony Hopkins
 Emma Thompson

Remains of the Day

Daily 4:00, 7:00, 10:00 p.m.
 Sat-Sun Bargain Matinee 1:00 p.m.

COLORADO

2588 E. Colorado Blvd.
 (818) 796-9704

Robert Altman's

SHORT CUTS

Daily 4:20, 8:10 p.m.
 Sat-Sun Bargain Matinee 12:30 p.m.

TONIGHT'S ASCIT MOVIE

THE MALTESE FALCON

STARRING HUMPHREY BOGART

Friday, November 5
 Baxter Lecture Hall
 7:30 & 10:00 P.M.

\$1.50 for ASCIT members
 \$2.00 for all others

NEXT WEEK: IN THE LINE OF FIRE



Ernest Tomlinson

Ernest Explains

Dear Ernest,

Maybe you can settle a bet for me. Why is there a small picture of a dog printed in the *Tech* each week?

—Confused by the Canine

Dear Kip,

The dog is actually a dachshund, a long-bodied, short-legged breed used for hunting badgers in Germany. The dachshund was the mascot of the Throop Polytechnic Institute before 1915, supposedly because it was Amos Throop's favorite animal. The school mascot was changed to the beaver during the First World War because of widespread anti-German sentiment.

Dear Ernest,

For years I've eaten a dozen maraschino cherries before going to bed, as a sedative. Now I read, in the *New York Times*, of all places, that the chemicals used to preserve cherries don't digest in the stomach, but instead form a sticky gum that stays in the digestive tract for years. Should I stop my cherry habit, or what?

—Tom in Housing

Dear Mr. Manning,

I was intrigued by your question, so I decided to do some research of my own. I bought a case of seedless cherries and drained the juice. I puréed the cherries, strained out the fleshy parts, and mixed them with a little gelatin.

I presented the resulting chilled dessert to the guy in the apartment next to mine. The next day, I went to visit him and found that he had grown auxiliary gills.

In response to your question: cherries are readily digested by your body. They are, however, powerful mutagens, and should be treated with respect.

Ernest Tomlinson is listed in the Guinness Book of World Records under "Tallest Man in the U.S."

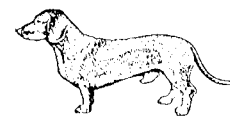
ynews

by Sam Webb

I'd like to start this week's stuff by saying how impressed I am by the support for Boffo Bonecrusher Broomball XIII. We filled all of our team spaces entirely on Monday! For those of you who signed up, the mother of all events takes place on November 20th, from 12:15 A.M. 'till 4:45 A.M. For those of you who were slow to sign up, come and watch... it's fun for the whole family. On to other things... This Friday and Saturday, November 5th & 6th, is the Undergrad Leadership Institute. If you hurry you may still be able to sign up. On November 12th, the Friday Noon Concert will return to the quad in front of Winnett. The Hammersmith band will play their hearts out for your entertainment. Lastly, look out for the weekly mountain bike trips into the San Gabriels every Wednesday, sponsored by the Caltech Velo. Well, that's the weeks Y news, as always, if you have any questions, or would like to know more and get involved in the Y, call us at x6163 and ask for Chris.

The California Tech

Caltech 40-58 SAC, Pasadena, CA 91125
 phone: (818) 395-6153
 e-mail: editors@tech.caltech.edu
 ISSN 0008-1582



VOLUME XCV, NUMBER 7
 NOVEMBER 5, 1993

EDITORS

Michael "Slash 'n' Slam" Benedetti
 Chris "Godot" DuPuis
 Michael "Zagorsk" Radford

BUSINESS MANAGER
 Chris "X" Echols

EVENTS AND NOTICES EDITOR
 Jeff Denniston

SPORTS EDITOR
 Damian Martinez

PHOTOGRAPHER
 Rich "Press Pass" Zitola

CIRCULATION
 Heidi Sutton
 Wei Lin

STAFF WRITERS

Gypsy Achong
 Tobias Bartels
 Margaret "Powerhouse!" Belska
 Zackary Dov Berger
 Amanda Eckermann
 Jeff Goldsmith
 Wei-Hwa "Way Cool" Huang
 Monwhea "Momo" Jeng
 Michael Kantner
 Laurent "Fourth Estate" Stadler
 Adam "Medium Guy" Villani

CONTRIBUTORS

Dennis "Trylæn" Chang
 Ellen Harris
 Tom Dmukauskas
 Dirk Runge
 Andy Zug

Published weekly except during vacation and examination periods by the Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. Submit copy (preferably on Macintosh 3.5" disk) to the Tech mailbox outside SAC room 40, or e-mail to editors@tech.caltech.edu. The editors reserve the right to edit and abridge all submissions for literacy, expediency, etc.

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$10 per year to cover third-class postage and preparation costs. Printed by News-Type Service, Glendale.

Blackhorse Cider • Newcastle Brown • Young's Ramrod • Sheaf's Stout • Sam Adams • Sam Smith's • Guinness • Bass • Fullers • E.S.B. & London Pride • Sierra Nevada Pale Ale • McAllister's Extra Irish Ale



A Social Pub

Fine Deli Sandwiches
 Microbrewed Beers
 Curries
 Darts
 Wines

This Week's Guest Beer:
 Lost Coast Wheat

45 N. Arroyo Pkwy
 Pasadena, CA 91103
 (818) 795-0652

open until midnight

Heineken • Amstel Light • Black Dog Ale

Azerbaijan

Armenian forces renewed an offensive to control the land surrounding the disputed Nagorno-Karabakh enclave, forcing thousands of refugees to flee through Iran into a refugee tent city in eastern Azerbaijan. Armenian forces currently control the enclave and are now taking over land around the region. Armenia explained that the attacks are to remove Azerbaijani artillery that could threaten the enclave. Relief agencies say that the refugee tent city gets 5,000 refugees a day.

Burundi

Rebels in the Tutsi-dominated army led a coup that resulted in the death of President Melchior Ndadaye, a Hutu. The coup was stopped by senior officers, but ethnic fighting between Tutsis and Hutus continued. Bishop Bernard Bududria of the Catholic Church in Burundi said that over 20,000 may have been killed. Ndadaye was both the first democratically elected leader of Burundi, and the first Hutu leader of Burundi. Although the population of Burundi is about 85% Hutu, the country has historically been dominated by Tutsis, and ethnic fighting between Hutus and Tutsis has been a common problem since the country gained independence from Belgium in 1962.

Egypt

Fundamentalist Muslim extremists were blamed for the shooting and murder of Mahmoud Deeb, a high-ranking police official, as well as a female bystander.

A military court found 37 Muslim fundamentalists guilty of murder and planning to overthrow the government. It sentenced eight to death and gave six life sentences.

El Salvador

After the assassination of FMLN official Francisco Velis, President Alfredo Cristiani promised to find the cause of the recent upsurge in death squad-style killings. He asked for help in his investigation from the U.S., the U.K. and Spain. Cristiani's party, the rightist Arena, has in the past been associated with death squads, and fought the leftist FMLN in a twelve year civil war, so many remain suspicious of him.

Gunmen killed FMLN leader Hernan Heleno Castro.

Europe

The Maastricht Treaty, which is supposed to create an economic and political union between the twelve EC members by the year 2000, took effect Monday. The locations of various EC agencies were de-

cided upon the previous Friday. The European central bank will be in Frankfurt, and the European Environmental Agency will be in Copenhagen.

Georgia

Georgian government forces retook the cities of Khobi and Senaki from rebels loyal to the ousted president Gamasakhurdia.

Haiti

Aristide said that until Lt. Gen. Raoul Cedras resigns as agreed to under a July 3rd agreement, it will not be safe for him to return to Haiti. He called for stronger sanctions against the military-dominated government of Haiti and rejected a compromise agreement by Lt. Gen. Cedras. The agreement called for Aristide to form a government that included allies of Cedras and for Parliament to declare amnesty for those involved in the coup that overthrew Aristide.

FRAPH, a group widely believed to have caused the violence that prevented a ship of U.S. and Canadian advisors from docking last week, called on Aristide to resign as president. They threatened to name a provisional government if Aristide didn't resign, but in the end, did not.

Israel

After the murder of Israeli settler Haim Mizrahi Friday, several hundred Israeli settlers rioted through several Palestinian towns in the West Bank, burning houses, destroying shops and cars, blockading Arab villages, and barricading roads. The Israeli military was unable to stop the violence, and the riots were still continuing Tuesday. The settlers explained that the murders showed that the Israeli government was no longer protecting them from Palestinian violence. Hamas, a Palestinian terrorist organization, was suspected in the murder. Hamas has rejected the Israeli-PLO peace agreement, and said that it will continue to attack Israelis until all Israeli troops are withdrawn from the territories taken in the 1967 Arab-Israeli war.

Ehud Olmert of the right-wing Likud Party defeated Teddy Kolek in mayoral elections in Jerusalem, getting 56% of the votes to Kolek's 38%. Kolek supported the recent Israeli-PLO peace agreement, and

emphasized making peaceful co-existence between Palestinians and Jews possible. Olmert and the Likud Party opposed the peace agreement and said that he wanted to make Jerusalem a more Jewish city—Jerusalem is currently 72% Jewish and 28% Arab. Both sides agreed that the election was largely a referendum on the recent Israeli-PLO peace agreement and Prime Minister Yitzhak Rabin admitted that the election results were a serious setback for his government.

The PLO rejected Israel's plan for pulling troops out of the Gaza Strip and West Bank, saying that the plan was merely a redeployment of Israeli forces and not the withdrawal that they had expected. The PLO negotiators suspended the talks to discuss the plan with PLO leaders. Israeli officials said

parties, and businesses have been accused of illegal kickback agreements.

Kuwait

A court postponed the verdict and sentencing of 14 men accused of participating in an Iraqi plot to assassinate former President George Bush until December 25th. The judge explained that more time was needed to investigate the evidence.

Libya

Mommar Kadafi said that reports of an uprising against him and its violent suppression were "a blatant lie."

North Korea

Hans Blix, head of the U.N. International Atomic Energy Agency (IAEA), told the U.N. that the

North Korean government has prevented his agency from inspecting nuclear powerplants. He explained that he therefore could not tell whether or not North Korea was making or attempting to make nuclear weapons.

Peru

Unofficial preliminary exit polls indicated that the new Peruvian constitution passed with 55.3% of the vote. Since few voters had actually read the new constitution, the vote is considered more an approval rating on President Alberto Fujimori's performance than a vote over constitutional issues. Fujimori took power in 1992 in a military coup, shutting down Congress and suspending the constitution. The new constitution is largely the result of international pressure against his dictatorial rule. The new constitution is supposed to promote free-market reforms and only allows the government a role in basic services and infrastructure.

Russia

Yeltsin passed a decree guaranteeing private property rights. The

decree allows land to be owned, bought, sold, rented, mortgage and inherited. The decree also states that after 1994, Russian collective farms will not have to give the Russian government a third of their crops. At present, a third of Russian production has been privatized.

Somalia

Fighting broke out again between two rival groups in Mogadishu. The U.S. government sent heavy armor to Mogadishu, explaining that it was necessary to protect the U.S. and U.N. troops there.

U.N. officials reported that the warlord Aidid has managed to rearm his forces despite U.N. disarmament efforts.

United Kingdom

Two gunmen fired into a bar in Northern Ireland, killing seven and wounding eleven. The police said that both Protestants and Catholics were killed. An outlawed Protestant paramilitary group claimed responsibility.

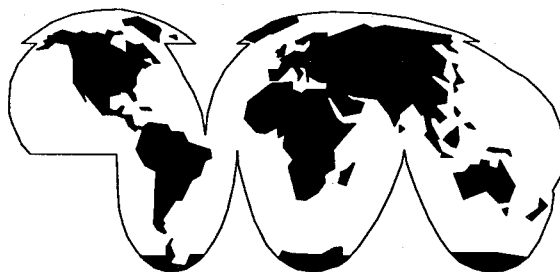
United States

Hillary Clinton attacked the insurance industry, accusing them of lying in advertisements and explaining that insurance companies "like being able to exclude people from coverage because the more they can exclude, the more money they can make." Under the current Administration plan, insurance companies would have to accept all applicants and charge them all the same rate. This plan is expected to force many smaller or medium-sized insurance firms out of business.

The Senate voted 65 to 34 to apologize to native Hawaiians for the overthrow of their government by the U.S. a century ago. The bill now goes to the House.

The Senate voted, 94-6, to allow the Ethics Committee to subpoena the diaries of Senator Bob Packwood, and if necessary, to use federal courts to enforce the subpoena. Packwood is now expected to argue against the subpoena in federal courts. He is accused of sexual harassment and using lobbyists and campaign fund-raisers to get a job for his wife.

World News



by Momo Jeng

that they expected the talks to resume Monday.

Ahmed Oudeh Arar, a major West Bank land dealer who made millions of dollars by buying land in the West Bank from Palestinians and selling it to Israelis, was murdered by two armed assailants.

Italy

Carlo de Benedetti was interrogated and put under house arrest. Benedetti is chairman of Olivetti, and one of the richest men in Italy. The police explained that he was involved in a investigation over millions of dollars in payoffs to officials in the Post and Telecommunications Ministry to buy equipment from Olivetti. De Benedetti testified last May that his company had given over \$7 million to political parties as kickbacks for telecommunications contracts, explaining that the political parties in charge of state spending had essentially blackmailed him into paying. He is one of the most prominent businessmen being investigated in the Tangentopoli scandal, in which numerous politicians,

SERVING CALTECH
SINCE 1945

Authorized Agents for Airlines,
Hotels and Steamships

H.B. BENNETT
The
Finest in
Professional Travel
Services
(818) 795-0291
(213) 681-7885
CAMPUS EXTENSION
5091

690 E. GREEN ST.
PASADENA, 91101
(between El Molino & Oak Knoll)



Pasadena's Biggest & Best Used Bookstore

Cliff's Books RECORDS & COMICS

630 E. Colorado Bl. Pasadena

"Just around the corner from the Pasadena Playhouse"

818-449-9541

ALWAYS OPEN UNTIL MIDNIGHT

☐ Over 1/4 million Books, Records & Comics

☐ Largest selection of paperbacks in L.A.

☐ Biggest Science / Technical stock in USA

☐ Fine & Rare Book Room ~ 1st Editions

20% Discount
with CalTech ID



DE LUXE SHOE REPAIR

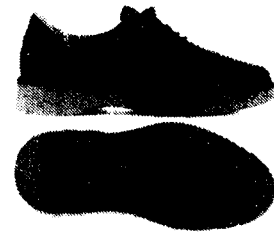
946 Huntington Drive, San Marino

(just east of Oak Knoll Avenue)

**FREE PICK-UP AND DELIVERY WITH
\$20 MINIMUM ORDER — TO CALTECH
OR WITHIN 2-MILE RADIUS OF CAMPUS**

- EXPERT SHOE REPAIRING
- ALL TYPES LEATHER REPAIR
- RESTYLING • DYEING • COLOR MATCHING
- ZIPPER REPLACEMENT
- ORTHOPEDIC SPECIALISTS
- HANDBAG REPAIRS • LUGGAGE REPAIRS
- CUSTOM-MADE BELTS
- BIRKENSTOCKS RESOLED & RECORKED

Vibram
sole
Authorized
Factory Dealer



ALL WORK GUARANTEED TO YOUR SATISFACTION

(818) 282-9875

MON-FRI 8 am-5 pm
SAT 9 am-2 pm

sports

Club Homeboy plans duathlon: panic grips the nation

by Andrew Zug

Just when you thought life had settled down into calm routine, CLUB HOMEBOY again makes its presence known with another season of multi-sport action and adventure. The latest plans for public mayhem is a duathlon at the Rose Bowl in the tradition of the glorious HOMEBOY duathlons of old.

For those new to this training mecca called Caltech, some basic information is necessary. As its name suggests, CLUB HOMEBOY is an organization on campus responsible for hosting multi-sport endurance events. The official name is the Caltech Duathlon/Triathlon Club and is different from the now defunct Caltech Triathlon Club which was a much tamer club whose activities consisted mainly of playing bike polo in the rain and eating Powerbars while watching old Dobie Gillis reruns. This year, the HOMEBOY season consists of a duathlon (running and biking) in the fall term, a heptathlon in the winter (100 m hurdles, high jump, shot put, 200 m dash, long jump, javelin, and 800 m run, as per women's collegiate rules) and a triathlon in the spring (running, biking, and swimming).

As word of the upcoming duathlon hit the streets, a great unrest gripped the populace. Would this, they wondered, be another heathen event of total carnage and reckless bloodshed as were past HOMEBOY events, or would the bad boys and girls of the athletic world clean up their image? The answer seems to be the latter as the club has moved the duathlon from the 90° turns through pools of oil and broken

glass atop 500 foot sheer cliffs of San Marino to the smooth, wide streets surrounding the Rose Bowl. This event will consist of a 5.5k run on trails, 30k bike on the road (six laps around the Rose Bowl and golf course) and a 5k run on the road (one lap). As with all HOMEBOY events, this race is free of charge, open to all members of the Caltech/JPL community, and will be well stocked with

continued on page 11



Homeboy alumnus Chris Campo is on his knees in homage to John Pham after being beaten at the Desert Princess World Duathlon Championship.

Zug runs wild at SCIAC Championships

by Tom Dmukauskas

On Saturday, October 30th, the SCIAC Cross Country Championships were held at Prado Park in Chino. Caltech made its presence known, with the women finishing in 6th by defeating Redlands and LaVerne and the men finishing in 5th, beating Cal Lutheran, LaVerne and Whittier. Both of these performances were at least as good as last

year's, leading one to believe that the team can also expect to improve its place at the NCAA Division III Western Regionals on Nov. 13th. Here are the reasons for optimism:

As usual, Cailin Henderson (25th in 21:10) and Ginger Garcia (33rd in 21:40) ran like clockwork in finishing 1-2 for the Beavers yet again. This time, though, Tessa Miller was not far behind as she dashed to

a 22:00 to get 35th. Gretchen Larson (40th in 22:40) and Radhika Reddy (45th in 24:00) completed the scoring five for the women, but they were not enough to derail the running machine that Cal Lutheran was on Saturday and thus the team was forced to settle for 6th overall.

Andy Zug finished 2nd overall in the SCIAC Championships. That bears repeating: Andy Zug finished 2nd overall in the SCIAC Championships! According to Coach Jim O'Brien's research into the annals of Caltech Cross Country history, no man had ever achieved such a level of excellence until Zug flew through the 8k course in 26:07! But, one man does not a team make, so the rest of the men had to be up to the challenge. Ned Bowden answered the call by running a sizzling 27:36 to finish 19th (2nd team all-conference). Jesse Shue and Schuyler Cullen broke the 28 and 29-minute barriers respectively for the first time in their cross country careers to place 24th and 32nd. However, the key to the Beavers' victory over the Poets lay with Ron Steiger who smoked two Whittier individuals in the last 200m to finish in 34th with a 29:16. This allowed for a 106-107 Caltech victory over Whittier and let the team be able to say, "We don't suck anymore!"

BJ's GRILLE
WELCOMES YOU BACK!!!

BJ's
Grille

STUDENTS

receive **10 percent off**
all meals served **after 3 p.m.**
Show your Cal Tech I.D.

141 S. Lake Avenue, Pasadena

Questions???
(818) 795-4006

11 a.m. to 9 p.m. Monday through Thursday
11 a.m. to 11 p.m. Friday and Saturday
MasterCard, Visa and Amex Accepted

Bridge Without Sam

by Jeff Goldsmith

Prayer Almost Answered

Playing IMP pairs in a new partnership with a player who is said to be a very lucky man, I encountered a hand in which my confidence in our partnership was not up to the task of reaching the right contract.

I held ♠A2 ♥Q10987 ♦AKQ97 ♣2 and opened 1♥. Partner responded 2♣, which we were playing as game-forcing except for some situations that I didn't yet know. The auction continued:

ME	PARTNER
1♥	2♣
2♦	2♥
3♦	3♥
3♠	4♥
?	

So far, I know that he has three-card heart support and a minimum opening bid. He expresses little interest in slam, knowing that I have at least ten red cards and some extra values. I should probably pass, but it is very hard to envision a hand that doesn't have at least some play for slam, so I try Roman Key Card Blackwood, find out that he has two key cards (probably an ace and the ♥K), and I decide to go for slam anyway. There are hands on which there will be no play, but I can also see hands where 6♥ is cold, so I await the dummy with some anticipation.

The dummy turns out to be almost as bad as it can get; much of his values are wasted opposite my singleton:

♠103
♥AKJ
♦1084
♣KQJ104

	N	
W		E
	S	

♠A2
♥Q10987
♦AKQ97
♣2

Worse still, they find the lead of the ♠K, so I am in big trouble. After a non-spade lead, I would make 6♥ most of the time, but now I am in grave danger of losing two tricks very quickly.

Preemptively, I apologize to partner for having overbid, yet another time. While I am thinking about the hand, partner asks me, all sweetness and light, if I thought that his sequence, 2♥, then 3♥, then 4♥, was encouraging toward slam. Being slightly annoyed that my bidding has led me to a bad spot, I snap back, "of course not. Just shut up and pray." After the hand, I apologized to him for the rude comment, but in the meantime, I am helping him pray.

What do I need to make this? I shall need to ruff my little spade in dummy and the only way to get a discard is on diamonds. For this to happen, I shall need an opponent to have four diamonds and three hearts. To that end, I draw one round of trump, cross back to the ♦A, all following, and draw a second round of trumps ending in dummy. I continue with the ♦10, intending to run it, since I need East (at this point) to have started with ♦Jxxx.

Disaster! My prayers were answered: I had prayed for someone to hold ♦Jxxx and three trumps, but I had forgotten to specify that it had to be East! My magic holding was in West's hand; on the second round of diamonds, East discarded a small club.

I am going to go down, but at least my line of play has salvaged a trick. I cash the top three diamonds and ruff them good with dummy's last trump. I exit with the ♠10, (anyone asleep enough to duck this and see me home? No.) and after they cash a spade, I can claim for down one.

"Partner," I cry, "great praying! If only the defending hands had been interchanged, we would have made it. Next time, though, let's pray a little more accurately." I then apologize for the earlier snap while partner is laughing.

When seeing the scores, I note that I have tied a player who was in five and failed to take the safety play against a 4-1 diamond break and went down. It was still a loss, but at least we didn't lose to everyone.

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 3rd annual North American College Bridge Contest is being held in Beckman Institute 115 at 7:15, Tuesday November 9th. All students taking at least 3 units are eligible. Winners may receive \$500 each; Caltech students have done so each of the last two years. Consolation prize: everyone gets free pizza and drinks.

WANTED: INSIDE WORLD EDITOR

Approx. 6 hours,
bi-weekly

APPLY WITHIN

Working knowledge
of Benson req'd.



ADAM VILLANI: MEDIA GUY

by Adam Villani

Oingo Boingo
October 29 at Irvine Meadows Amphitheater

I'd never attended any of Oingo Boingo's six previous Halloween concerts, so I went for the first time this year, and, man, was it a great show! Lead singer Danny Elfman had a great rapport with the audience, and the audience itself responded by having an all-around good time. Part of Oingo Boingo's appeal is the variety of musical instruments they employ. There were a total of twelve musicians on stage, incorporating a horn section, accordion, assorted percussion, and, during one of the encores, an extended rumbaphone duet performed by Elfman and bassist John Avila.

After opening the set with a lot of new material from their forthcoming album, Boingo really got the crowd hopping with some of their classics, with special attention paid to Halloween songs like "Dead or Alive," "No One Lives Forever," and "Dead Man's Party." Danny Elfman is an awesome showman, and even did a Gothic bit where he sat down on a stool and poured out his twisted little heart, accompanied by an accordion, bass drum, and cymbals. Oingo Boingo played great music, inviting everyone to have fun even as we approach our inevitable demise.

Kate Bush
"The Red Shoes"

This new album does not disappoint. It isn't a duplicate of classics like "Hounds of Love" or "The Dreaming," but instead sounds like how "adult contemporary" music would sound if it were written and performed by someone with talent and guts. Kate's voice sounds better and fuller than ever, and the music in the songs on this album ranges from rock to Irish to solo piano. Unfortunately, Bush doesn't use her Fairlight synthesizer as much as she used to, but she does have guest appearances by the likes of Eric Clapton, Jeff Beck, the Trio Bulgarka, and Prince.

"Hey, nudity is cool!"

Somebody told the staff at *Rolling Stone* magazine that the Red Hot Chili Peppers and *Vanity Fair* were on to something with this nude-but-not-obscenely-so thing. *Rolling Stone's* most recent cover features future one-hit wonders Blind Melon not wearing any clothes, but covering up their private parts with skillful placement of their arms and legs. This might have been funny had they not already done covers recently featuring Janet Jackson, Laura Dern, and the Peppers doing the same thing. *Vanity Fair* doesn't know when to stop either, since they too keep ripping off their famous nude, pregnant Demi Moore cover. Speaking of Blind Melon, I think I'll go insane if I hear "No Rain" one more time.

Disaster Coverage

Somebody told the TV news producers that the way to cover a disaster is to hover a helicopter near the site, stare at a burning house for half an hour, and have the anchors conjecture about the dollar value of the property damage being witnessed. Here's a hint: it's not. If you want real information in a disaster, listen to a news radio station like KFWB (980 AM). Radio is limited by not being able to show pictures, so instead they actually tell you news. TV is only good for satisfying our voyeuristic lusts.

You are cordially invited to the weekly staff meeting of *The California Tech* today at 12.15 in the Coffeehouse. Graduate students are encouraged to attend. Pizza and soda will be served.

ULTIMATE ARTS AT CALTECH PRESENTS

YOU CAN'T TAKE IT WITH YOU

PRODUCED BY SPECIAL ARRANGEMENT WITH DRAMATIST PLAY SERVICE, INC.

DIRECTED BY DAN DILLING

WRITTEN BY MOSS HART AND GEORGE S. KAUFFMAN

TIT

IN WINNETT LOUNGE

PHOTO COURTESY OF THE ARCHIVES CALIFORNIA INSTITUTE OF TECHNOLOGY

TICKETS:	GENERAL ADMISSION	\$6.00	CALTECH STUDENTS	\$4.00
PERFORMANCES:	FRIDAY, NOV. 12	8 PM	FRIDAY, NOV. 19	8 PM
	SATURDAY, NOV. 13	8 PM	SATURDAY, NOV. 20	8 PM
	SUNDAY, NOV. 14	2 PM	SUNDAY, NOV. 21	2 PM

IN WINNETT LOUNGE ON THE CALTECH CAMPUS, PASADENA
FREE PARKING AVAILABLE SOUTH OF DEL MAR AT CHESTER
Tickets available at the CALTECH Ticket Office, 332 So. Michigan Ave., Pasadena. For information call 800-423-8849 or 818-395-4652.
electronic mail (Internet): tickets@juliet.caltech.edu or Fax 818-577-0130. Tickets also available at all TICKETMASTER Ticket Centers (call 213-480-3232)



entertainment

Satriani's Time Machine

by Trylæn

Joe Satriani, one of the more acclaimed instrumental guitarists, has recently released a 2-CD compilation of live songs and previously unreleased material. It's obvious that this isn't for people who prefer "pop[ular] guitarist-wankers" (like Andy Summers.)

Hey now, I'll admit that popular tastes in music are usually good, but it's always the guys riding the edge of music that eventually make it big. Just think about how the Police were "outrageous" and "innovative" for their time. Trace back to the Beatles for a look—and need I remind you of U2? Always, the pioneers/innovators of music are the ones who make music history.

You could say that Satriani is just another "guitar hero wanker" like Steve Vai, Eddie Van Halen, or Yngwie J. Malmsteen, but I think you're missing something. There's the one thing that sets Satriani apart from the rest and makes him a trend-setter: It's that he's *modest*.

Not just in demeanor, but in his playing style. Instead of whipping out some wailing, screaming guitar solo that sticks out of the music's

texture like an erection, he creates coherent solos that actually fit in, and in most cases, actually define the song. Check out his last two albums, *Flying in a Blue Dream* and *The Extremist*. *Blue Dream* is full of rockin', soaring songs. *The Extremist* is a shade darker, with more grind and growl and more punch and kick.

Time Machine goes through Joe's growth. The first CD contains a kind of history of his works. With some of his songs from the unreleased 1983 *Joe Satriani EP*, you can hear that he's nothing special yet—he's still pulling out these unrelated guitar solos/sounds like all the other hero-wankers. Then, moving into his vintage works, he shows the first signs of his unique approach: Guitar solos replace riffs as the hearts of the songs as what can be called solo-riffs or riff-solos. These songs are outtakes from his middle albums. Also included are several great outtakes from *Blue Dream* and *Extremist*—these are the songs a listener can really rock to.

The second CD is a straight run-through of one and a half shows. He plays song after song, non-stop.

A must for Satriani fans. Here his unique soloing is all the more apparent, as he is the only guitarist on stage and plays the rhythm guitar part(s) and lead parts simultaneously. For most of the songs, he is supported by keyboardist Phil Ashley, drummer Gregg Bissonette and bassist Matt Bissonette. For three songs and a good (but not awesome) drum solo, his band is: Jonathan Mover, drums and Stu Hamm, bass. Every one of Joe's albums is represented on this disc.

And the scoop: If you're a developed listener of music, then this compilation is not for you. Try the other two albums I've mentioned—they're excellent (rarely said about the albums of guitar hero-wankers. Those guys usually only write excellent solos or songs, not excellent albums.) If you're a *maker* of music or a Satriani fan, then this CD set is a must-have.

Runs you \$23.95 at Tower Records. 14 unreleased songs, a live version of a rare song he recorded for *Guitar Player* magazine, and live recordings of twelve of his best. Plus, of course, Jonathan Mover's drum solo.

Hey man . . . buy this album

by Michael Benedetti

I was worried as well as excited when I heard that George Clinton, Doctor Funkenstein himself, was releasing a new album, *Hey Man . . . Smell My Finger*. After all, Clinton has become a Grand Old Man of hip-hop, a figure to be revered and sampled. Could the Star Child really cut it in the 90's, I wondered, now that hip-hop is a multinational force and true funk is but a fond memory?

Happily, Clinton has been able to update his sound while keeping the funk intact. Instead of the horn armies of Parliament or the electronic squeaks of "Computer Games," Clinton offers a more contemporary beat. There is quite a

see HEY, MAN, page 10

BECAUSE OF TEAMWORK

When mankind first stepped onto the surface of another world, it was the result of teamwork - a great many men and women working together to bring about one of the greatest technological achievements in history. At XonTech we understand the value of teamwork. This is why our successes have always been attributed to our strongest resource: OUR PEOPLE.

XonTech is a highly respected, progressive R & D firm specializing in the analysis of complex physical phenomena, and development of advanced concepts and technologies in support of numerous defense programs. At this time we have opportunities for:

PHYSICISTS MATHEMATICIANS COMPUTER SCIENTISTS

We are looking for team members with a PhD, Master's or Bachelor's degree in Mathematics, Physics, Computer Science or in Electrical Engineering with an emphasis in signal processing. Our research encompasses the following:

- Research, development and evaluation of advanced radar and weapons systems:
- Signal Processing
 - Performance Analysis
 - Signature Analysis
 - System Simulation
 - System Design
 - Threat Analysis
- Analysis and evaluation of flight test data (aircraft, ballistic missile, satellite) including:
- Trajectory Reconstruction
 - Re-entry/Aerodynamics
 - Navigation Analysis
 - Orbital Mechanics

Our work is technically challenging and offers exceptional visibility and direct client contact. There are excellent opportunities for technical and management advancement.

U.S. Citizenship Required

All applicants selected will be subject to a security investigation and must meet eligibility requirements for access to classified material.

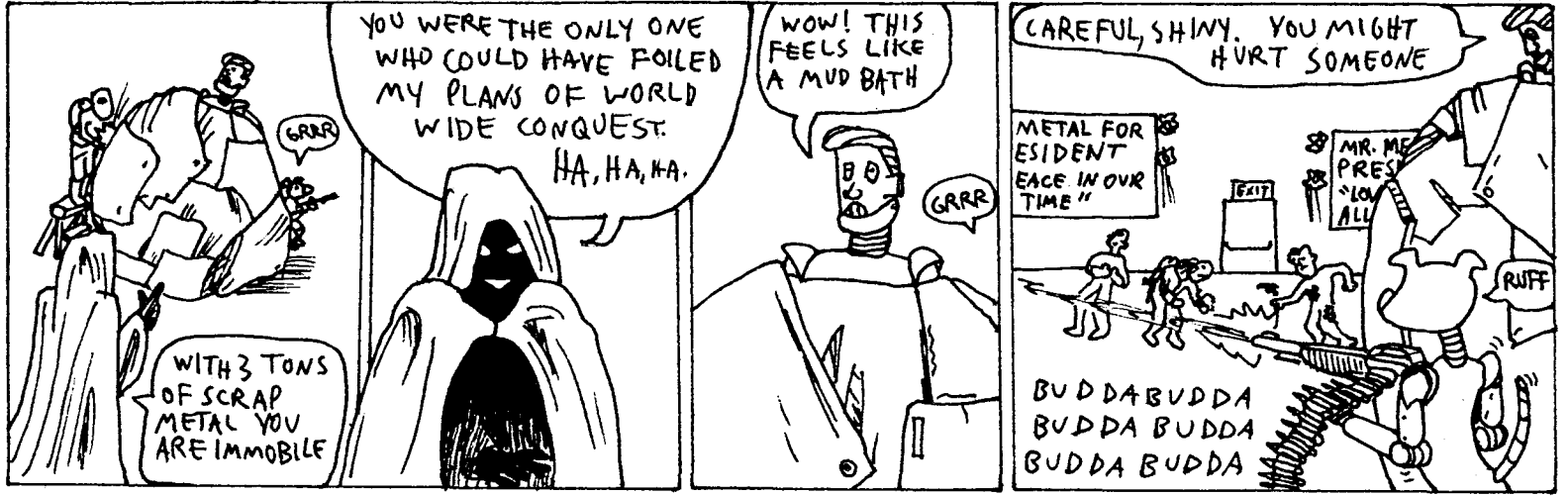
XonTech will be at the Career Development Center on Wednesday, November 10. Sign up today for an interview.

Qualified professionals are invited to submit cover letter and resume in confidence to: **Corporate Human Resources Dept., 6862 Hayvenhurst Ave., Van Nuys, CA 91406.** EOE M/F/D/V.

Xon Tech, Inc.
"People, Science and Technology"

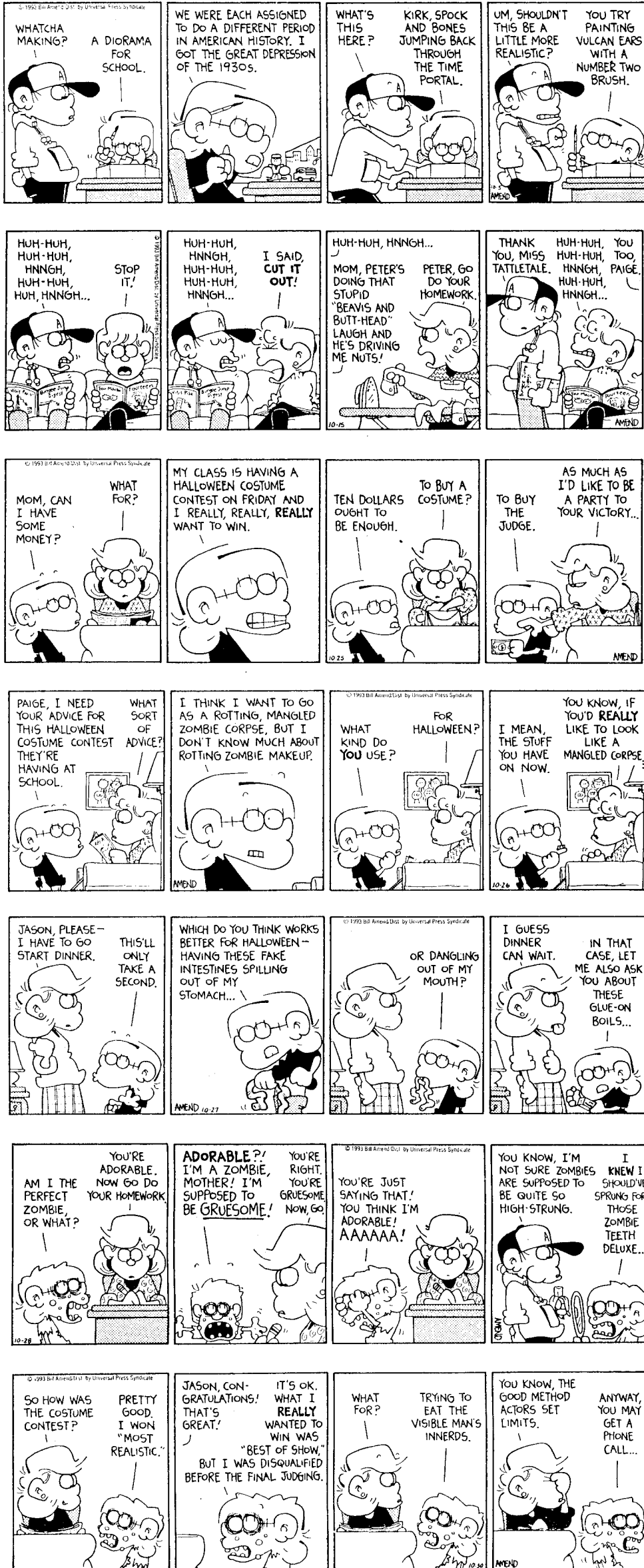
Northern & Southern California
Washington, D.C. • Huntsville, Alabama • Colorado

MR. METAL and his dog SHINY by Tom Lechner

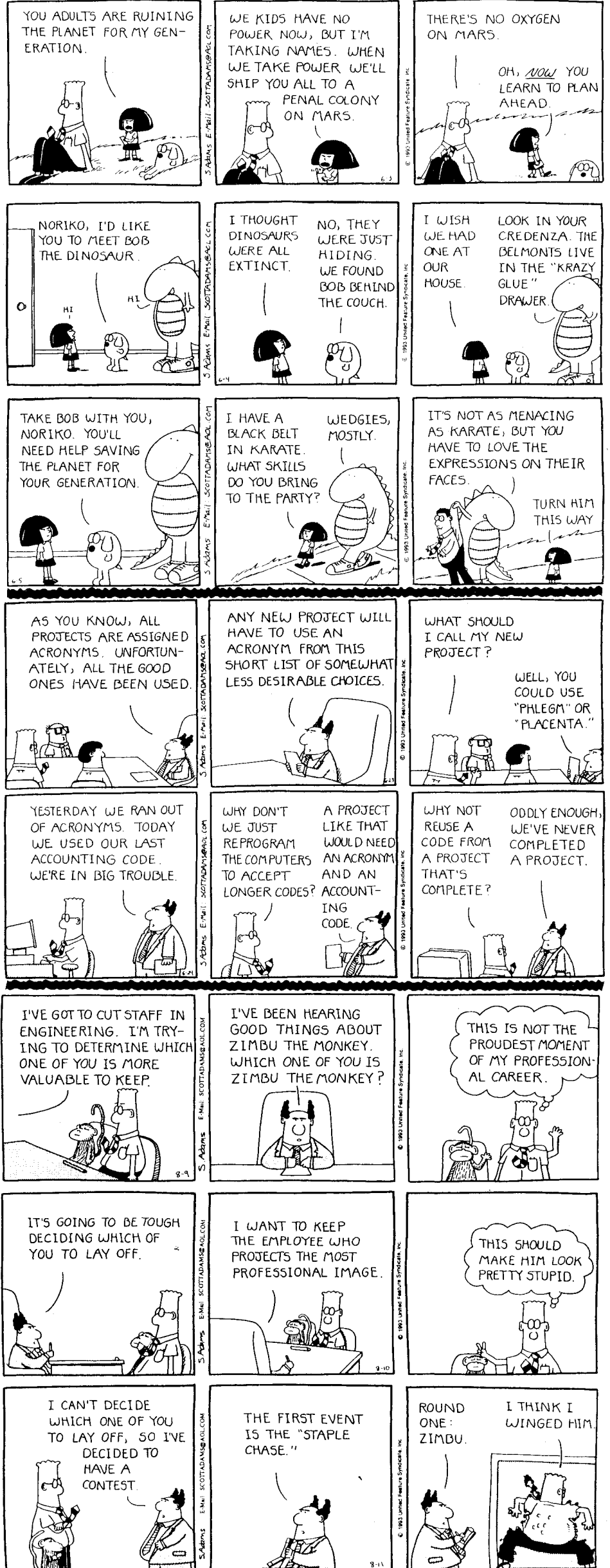


FoxTrot

by Bill Amend



DILBERT® by Scott Adams



The Inside World

Special Misogyny Issue?

for the week of November 5, 1993 CE

It's a Saturday night, and I've confirmed for myself beyond a shadow of a doubt that I have no life, since I'm typing in the Page House computer room instead of . . . oh, getting drunk at the very least. The ASCIT Halloween Party was less than exciting (big shocker there). What we really need is to recruit women athletes for the CIT bikini team. I doubt it would increase my chances of getting a woman much, but at least there would be good background scenery for my failures.

I've noticed very few of these Inside Worlds thus far, especially from my own house, which disgusts me. People who spend as much time in the computer room as my housemates do ought to be able to put out at LEAST three of these a week. Before I get too much further into this, I ought to print my disclaimer: If you are easily offended, fuck off! What this means is: I, like Rush, whom I worship, am a sexist, racist, bigot homophobe. If sexist, racist, bigoted or homophobic remarks will offend you, stop reading NOW! This means you. Not that I mind having my words being plastered all over campus (I believe it improves the decor immensely.), but if you knew that you were going to be offended (and you had to know, because I told you that you were going to be), why in Hell did you read it?

Have you ever noticed how some people seem to have a lifetime quest to be offended? They look for it. Now me, I have a lifetime quest to offend, so I think these people should want to hang out with me lots. Speaking of being offensive, it seems that some of the faculty were offended by me at Frosh Camp

when I wore my "Fuck y'all I'm from Texas" shirt. I'm convinced that it's just because they're not Texans, but have secret desires to be and realize that their dreams will never come true.

I believe that the top ten list is becoming a lost art in the Inside World. It would do my heart good to see this lost art revived before I'm gone from here forever (more on this in a minute). Here we go with Punchlines to my Top Ten Favorite Jokes:

PAGE

- 10) You think you've got it bad. We lost the hot dog after the fourth bar.
- 9) I thought oral sex would be better than this.
- 8) That's God's throne. He just thinks he's Rush Limbaugh.
- 7) Hey, John! I can see your house from up here.
- 6) All right darlings, which one of you two farted?
- 5) So, the Genie turned him into a tampon.
- 4) It's your turn to sit in the tree.
- 3) Help me find my keys, and we'll drive out of here.
- 2) Yes, you said everything perfectly, but this is a hardware store.
- 1) I am, but I'm not too old to have breast cancer.

If you're really dying to hear the jokes, come find me, and I will be only too happy to tell you. In fact, there are a few thousand jokes stored in my head, of just about any genre, and I love to tell them, so if you feel up to it, I'll be glad to bore you endlessly with them.

And another thing . . . I'm a senior!!!! The current plan is to be rid of this place by St. Patrick's Day, but I'll let you know if things change. To those of you that will still be here when I'm gone: Ha! Ha-Ha! I think it's great! I know some of you do, too, and you know what I have to say to those people: I don't care! Do you know why? Because I'll be gone, and it just won't matter! Enough about that.

Stop! Tommy's Time!

What this school REALLY needs are more cute, rich redheads who go for obnoxious Texans. Did I mention I . . . have a penis? So I'm layin' on the couch, and she's playing with my pud. Then these three dwarves walk in, and I'm like, "Hey! Get out of the refrigerator!"

He's in, man! He's IN!

So it's my understanding that my roommate is less than discretionary when ogling young ladies (I use the term ladies loosely, mind you). Apparently, everyone else tries to hide the fact that he is noticing scantily-clad women, but Bug just stares away. You have to respect his directness. So, for the fourth year running, Chinley and I have failed to make a Nhatman costume. We are so worthless.

Build Interhouse, frosh!

It lives! It lives! T. Y. Chay is now my personal hero. Everyone be sure to kiss him and take your beer. No, you do not get a keg for having sex with him . . . well, not from me, anyway.

The NBA season is going to start soon, but things will be a lot different. At halftime of the first game of the season, I'd like everyone to pause for a moment of silence and remember Reggie and Drazen. Also keep in mind that you will likely never again see THE GREATEST PLAYER WHO EVER LIVED in action, except on videotape. "Sometimes I dream . . ." It sucks that not one fucking minute of the season has gone by, and Timbug is already GONE for the year. Can you say, "Gay!" boys and girls? I knew you could.

Well that's about it. If I haven't been offensive enough for you, then fuck you! I'm getting mellow in my old age . . . And to those of you who think that every word of this is gospel to me, realize that, since I have no woman, I live to keep myself amused . . . at least for the next five months . . .

-a sick bastard

THE INSIDE WORLD

Zackary "Unrequited" Berger, Kurt "No females for me, thanks." Revis, and Jonathan "Chicks-B-Gone" Weinstein
Misogynists in Chief

Policy

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 via 3.5 inch Macintosh disk, or email to iw@tech.caltech.edu by 12:01 A.M. on the Sunday before the publication date. Please note that hard copy is neither email nor a Macintosh disk.

This week's *Inside World* was written by:

in order of appearance

Page: Bryce H. Elliot

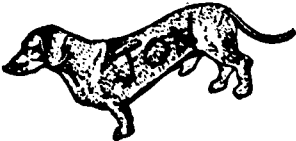
Blacker: Tatsuya Murase

Ricketts: Art Clarke

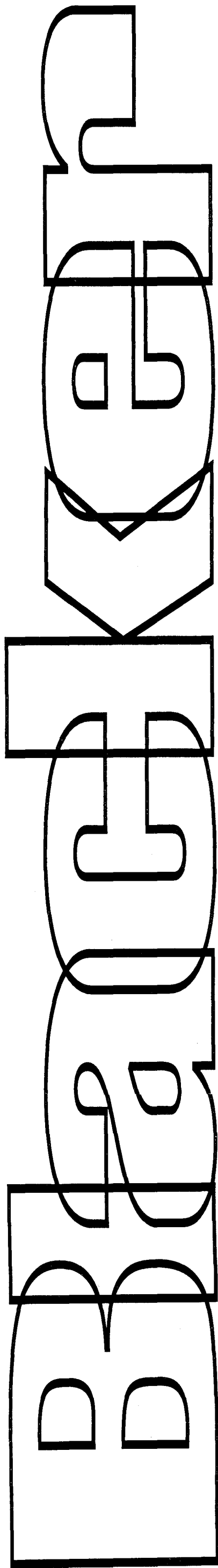
Dabney: Mike Benedetti

Blacker: Adele Shakal & Sean Upchurch

Blacker	3	1
Dabney	4	3
Fleming	0	0
Lloyd	1	0
Page	2	4
Ricketts	0	2
Ruddock	3	0



4
6
1
1
6
2
3



hmmmm...

Once upon a time... No <crumple>

Call me Ishmael... no.... <rip>

It was a dark and stormy night--hey, wait a sec.... <crumple>

In a hole in the ground there lived a hobbit....ack, that won't do at ALL
<rip, shred, torch>

It was a cloudy October night, the air in Blacker courtyard thick with the smells of burnt flesh, wet frosh, and LandRover (ca1972) bits. Kiwis marinated for the requisite 10 minutes in acetone were burned as offerings to the ancestors of Blacker Hovse (since we had already run out of virgins).

The frosh bounced, kept everyone else awake, got upperclassmen (who ought to be doing their homework) to flick, wreaked havoc upon Ruddock, destroyed portions of Lloyd, and in general, froze a lot of things which were subsequently dropped upon other frosh or Bevan.

Random people from Taiwan with cameras filmed Miikka while people told reporters from the respected Weekly World News how an alien managed to survive the four years at Caltech.

(subliminal message to Bevan: wacky, wacky, wacky, wacky, wacky, wacky)

All in all, a rather uneventful day at the Hovse.

please
keep
in small
print

What? Were you expecting some eloquent, pseudo-literary thing from Zack that sometimes has some meaningful point behind it? No, this is it. That's all there is to it. Go read some other hovse's Inside World. I got work to do, I shouldn't even be writing this. I mean, you don't want to really know about Blacker's Syndicate connections anyway.

What do you mean you do? Look, I've got n assignments to do (where n is a large number used by nerdy writers) by tomorrow, and I haven't even taken a look at what we're supposed to be doing in lab tomorrow!

Ok, so I left out the part about many black(er) trench-coated agents storming the IHC meeting last week. And about the ransom note concerning the hijacking of the plane President Everhart was flying in on. And the part about would-be carjackers of a green car (formerly owned by the Michigan Dept. of Forestry) being blown to bits with a 12-gauge pump action shotgun slipped my mind. And the discovery of Ernest Tomlinson's body at the bottom of the gym pool--feet firmly fixed in concrete--he allegedly did not pay a few debts to the Syndicate.

What do you mean, "I haven't heard all this"? I guess the Syndicate didn't send out its annual "Insurance Policy Renewal" mailing yet. But you've probably noticed that Dean Kiewiet walks around campus with a bunch of suits with sunglasses on. That's not for style points--he's managed to rub the Board of Directors of the Syndicate the wrong way--so much, in fact, they ordered his "disappearance". And didn't you see the ombudsman for AMa 95 who voiced his concern about the homework being too trivial? That's right, security noticed him impaled on the Blades of Death in Millikan Pond, with a terse note from the Syndicate, indicating he was to be "an example to other ombudspeople"--he had obviously been tortured.

Well, I'd better get back to "studying"--I got work to do--hey, that's my beeper beeping, could be the Syn--er, my parents, yeah, that's it.

That insurance policy? I'd join it--never know when you could use some "protection" around here.

--tots of Blacker γδβγ (Tatsuya Murase)

don't print this

Jim's Journal



Special Misogyny Issue?

Ricketts

The long awaited Caltech Men's Centre opened last Tuesday, amid both heavy criticism and flamboyant rejoicing. The Men's Centre, located in Parson's Gates in the old Dean's office, is touted as a centre for all the campus males to get to know each other, and to get away from the demands of social life at Tech.istrators: Mr. John "Big Foot" John as Director of Male Affairs and Ms. Sally Borkenstein as Assistant Dean of Basketball Players.

Mr. John comes to us from a rather colorful background. In his twenties and early thirties he was a rather famous movie star, leading in such unforgettable flicks as "Mona does Michigan," and "Carpentry: A study of 2x4's and studs." Most re-

cently, he was a writer for Andrew "Dice" Clay. Ms. Borkenstein is the mistress of a very important Caltech trustee.

Mr. John's job will place him in charge of the Men's Centre, including everything from its weekly meetings, to its Bi-term retreats. He said he was looking forward to the challenge of his new job.

"I was, of course, very happy to be appointed to this position," he said, in an interview with an Inside World reporter. "I feel a men's centre was desperately needed, with the incredible pressures and obligations each man on campus is subjected to. It is my hope that the Men's Centre will help alleviate many of the anxieties felt by my brothers on campus.

"I am already working on the first retreat, scheduled for November 19 through the 21. We have rented several cabins in the San Gabriels, and we will be taking approximately 400 men up for campfire, sports, singing, naked dancing, gerbil hunts, gratuitous yelling of obscene words, and therapeutic discussions, without the pressure of

having women present. I have talked to Rod [Kiewiet] about it, and he has been very supportive, although he has expressed concern over t" in place of all obscenities. Sign up for the trips are posted outside my office. There is a \$50 charge for the trip, and a \$227.63 charge from housing for deserting your room at a difficult time in its lonely existence.

"We are also planning on working closely with the Women's Center. We will protect the women from unwanted advances from less pure males. We offer a 24-hour-a-day, seven-day-a-week escort service to most females. And we will be providing free tutoring in every subject. We also offer free "surprise" back massages to all females, and will even wait in their rooms until they're ready to receive it. Yes, I think we're in for a wonderful year."

The Men's Centre is open from 9 to 12am and from 1 to 5pm on Weekdays.

Mr. John "Big Foot" John can be reached at x5375.

Dabney

As you may have guessed, I can be just as obscure and arrogant as you can. Will you allow me to begin by telling the story of the starling?

The starling lived in a small forest occupied by only starlings. The starling was quite precocious as a fledgling, and so his parents decided he must be an eagle. Such a mistake is easy to understand, since in that forest all that was known of eagles was that they could fly well. Any young starling who could fly well was then an eagle.

The young starling was not sure that he was an eagle, but the other starlings thought that he was, and soon their enthusiasm became his.

The starling, sure that he was meant for better things, decided to leave his forest for greater things. He set out in search of a forest that would provide prey worthy of him, something more challenging than mosquitos and worms.

The young starling flew out across the plain. He came upon a forest full of majestic birds, plucking whole rabbits from the forest floor. "Are you an eagle?" he asked one bird. "Of course," the bird replied.

The young starling, happy to be where he belonged, strove to become a part of the community. He learned to hunt squirrels and mice. The eagles did not understand why this strange bird hunted with them. "Perhaps he is a sort of eagle we have never seen before," they said. "After all, he hunts and flies as we do." They had never seen a starling before.

The young starling grew strong in this new home, although he was mystified as to why the other eagles could hunt for hours without getting winded, while a single chipmunk was enough to exhaust him. It was while resting during a hunt that the starling spied a beautiful eagle hen perched on a branch nearby. He went to talk to her, but she flew away before he had the chance.

The starling followed her for miles, pumping his tired wings through the air in a vain attempt to keep up. With each dismal flap, he desired her more and more. Exhaustion clouded his brain. Soon, his desire to speak to this eagle overpowered him. In a mad dash, he caught up to her and motioned for her to land.

The starling and the eagle hen landed on a nearby branch.

"My," the eagle began, "you certainly seem eager to talk with me. What do you wish to say?"

"I love you," the starling panted.

She looked at his scrawny starling body and laughed. Then she took flight. The starling hobbled to his nest.

The next morning, the starling was sad. "Ah," he said "my thinking was clouded by exhaustion. I did not truly love the eagle. The incident, while unfortunate, was certainly no tragedy. I shall be able to get along just fine."

The starling looked up at the clear morning sky. "I know how I shall cheer myself up. I will go on a trip, not wasting time with hunting. After all, I have hunted every day since my early youth. Don't I deserve a little vacation in this beautiful forest?"

The starling set out on his trip. It was wonderful to be able to fly without constantly scanning the surface for prey. He shot upwards to the clouds. For days upon days, the starling flew in ecstasy.

Eventually, the starling began to hunger. He tried to ignore the feeling as long as he could, but after a time he was forced to acknowledge his craving, and he went to hunt.

He saw below him a large rabbit, a fine meal indeed. The starling dove hard towards the rabbit, but the beast escaped, for there is no way for a starling to catch a grown rabbit. Saddened, the starling made his way to the eagle forest, trying and failing to catch something along the way.

The starling came upon the eagle forest, as hungry and tired as he had ever been. He landed on the forest floor to rest. As he panted and wheezed, he saw the she-eagle fly far above him. He tried to ignore her, but he was transfixed. She flew back and forth, and his weak eyes copied her movements. Slowly, his heart began to bleed, for he loved her.

The bleeding of his heart broke his concentration on her. He closed his eyes, and allowed his heart to heal. But when he opened them again, there she was, and his heart was cut more deeply than before. Again, he closed his eyes, and his scarred heart closed up. Once more, he opened his eyes, and the sight of her almost killed him. His eyes snapped shut, but his bloody heart would not be healed. He was filled with anger, anger that surrounded his heart and penetrated it. The tender tissue of his heart became hardened and calloused, so that when he looked upon the eagle once more, there was no longer pain.

The starling, too tired to hunt, headed for his childhood home, hoping that someone there would be willing to nurse him back to health. Slowly, he hoisted his body into the air. Moving once again over the plains, he felt his newly strengthened heart be-

gin to weigh him down. Soon, he was forced to rest at the edge of a pond. He took a drink of water, and as he did so, he took a glipse of himself in the water. He was no eagle. He was a shabby, miserable shell of a bird. There was nothing left to do but die.

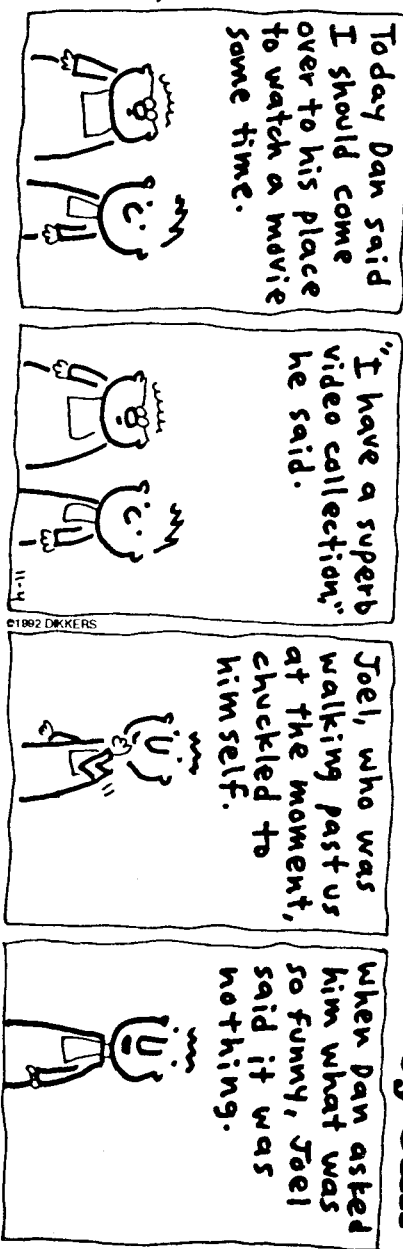
Looking across the pond, he saw the city, a place where extremes meet and wage battles over the souls of men. A place where the weak are less than nothing. A place that Milly called home.

Milly walked home in an ordinary, urban daze. The predators in the shadows, sensing her weakened condition, prepared for the assault.

Whoops, almost a bit of Buttman™ there. Back to our story.

The starling looked out across the water, almost able to see the other side of the pond. Drip, drip. Pitch from the pine tree above him slowly fell, slowly matting his feathers, clogging his wings, filling his nostrils. And he was dead.

Next Week: My Frosh Year

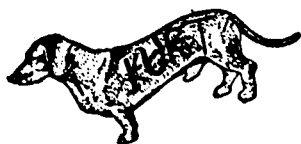


Jim's Journal

by Jim

Blacker Hovse Inside World:

Installment 1
Adele Shakal
Sean Upchurch



A long time ago, in a galaxy far, far away...

Ben Skywalker worked on his uncle's farm on a remote planet called New Jersey, repairing secondhand machinery and stunt-flying his battered Sand Rover ... and he was bored beyond belief. He dreamed of adventures out among the stars — adventures that would take him to distant alien worlds. But when Ben intercepted a cryptic message from a beautiful captive princess, he got more than he had bargained for — and that was how it all began...

Ben Skywalker, the proud princess 'Del, and Sean Solo ... Darth Vader, Obi-Wan Montague, Artoo-A-Jenntoo, CS-Briano, and the inscrutable Alumni ... Jen the Cat, shifty Lando Eychaner, and the vile Lewis the Hut—all the unforgettable characters and incredible adventures of the original Star Wars movies brought together in one value-priced, fun-filled, arbitrarily divided Inside World. From the desolate sands of New Jersey to Passfail, the forest-moon of the Frosh—experience the complete story of the Rebel Alliance's desperate struggle against the Empire!

Volume IV: A New Hope

Prologue:

Another galaxy, another time.

The Old Tech Republic was the Republic of legend, greater than distance or time. No need to note where it was or whence it came, only to know that ... it was THE Tech Republic. Students studied and lived with a common sense of purpose, a unity of feeling, and a mutual respect seldom seen in the history of the universe.

Once, under the wise rule of the IHC and the protection of the Interhovse Knights, the Tech Republic thrived and grew. But as often happens when prestige and power pass beyond the admirable and attain the awesome, then appear those evil ones who have greed to match.

So it was with the Tech Republic at its height. Like the greatest of trees, able to withstand any external attack, the Republic rotted from within though the danger was not visible from outside. Aided by restless, power-hungry indi-

viduals within the infrastructure, the ambitious administrators of the Republic solidified their claims to control by appointing an Emperor. Once secure in office, he seized power and shut himself off from the student populace. Soon he was controlled by the very assistants and boot-lickers that he had appointed to high office, and the cries of the students for justice did not reach his ears.

Having exterminated through treachery and deception the Interhovse Knights, guardians of justice and student unity in the galaxy, the Imperial bureaucrats and paper-pushers prepared to instigate a reign of terror among the disheartened Hovses of the galaxy.

But a small number of students rebelled against these outrages. Declaring themselves opposed to the New Method of Administration, they began the great battle to restore the Old Tech Republic.

From the beginning they were vastly outnumbered by those still held under the thumb of the Imperial Administration. In those first dark days it seemed certain the bright flame of resistance would be extinguished before it could cast the light of truth across a galaxy of oppressed and beaten peoples...

From the First Saga

Journal of the Whills

"They were in the wrong place at the wrong time. Naturally they became heroes."

'Del Organa of Indiana, Senator

It was a desolate, inhospitable planet, bleak and impersonal. It was a backwater world, with nothing to attract Imperial attention. It was not a planet of note or importance. It was New Jersey.

But even it could not help but play its part in the galactic drama unfolding. For far above its sky a pocket of Rebel resistance was being overrun by Imperial Administration forces.

As Artoo-A-Jenntoo and CS-Briano dodged yet another pile of paperwork to be filled out, the arrival of even more bureaucrats created an increasing number of lines to wait in. More and more students were captured and led into the close quarters of Dabney Hall as the Imperial forces took their toll.

"This is not a simple process. Just wait your turn. This is your official folder of forms. Since you have the word LOAN emblazoned on the front page, you have

to go wait in the loan line."

"Wait! You don't have a current Student Borrower Data Sheet on file with the Student Loan Office. You absolutely cannot be processed!"

"Hold it! You have to wait in the Promissory Note line. You cannot go any farther until your Account can be completely processed."

Gradually the two droids got separated in the confusion of lines of frustrated students. CS-Briano glanced around, searching for a glimpse of his shorter companion. He was about to give up when he saw A-Jenntoo far across the room. Even with CS-Briano's enhanced photoreceptors, it was difficult to see what she was doing. She seemed to be listening intently to a slender, fragile-looking figure who glanced furtively about before disappearing into the crowd. Briano cautiously made his way to the other droid, narrowly missing becoming a mere statistic, a casualty of Registration.

"What are you thinking? Artoo-A-Jenntoo, honestly, I don't know what gets into you sometimes. You know how much danger we're in here. You could get stuck in any one of these lines and spend the rest of your existence sorting paperwork and forms! Be careful! Some of these bureaucrats may want your signature... in triplicate, even!"

A stream of slightly agitated beeps and whistles emanated from the shorter droid.

"What do you mean we have to get out of here fast? We're being registered! What ... What mission!? What are you beeping about? Hey, where are you going? A-Jenntoo, wait for me!"

CS-Briano trundled off after the shorter droid, muttering to himself about the lack of a common-sense module in his companion. The two droids successfully avoided the pitfalls of Registration, and soon an escape pod was beginning to fall toward the uninviting surface of the planet below.

[To be continued...]



MR. METAL and his dog SHINY BY TOM LEHNER

CURSE YOUR METAL INWARDS! YOUR DOG MAY HAVE KILLED MY THUGS, BUT YOU'LL NOT LEAVE THIS HALL ALIVE! BUAHAHAHAHAHA

AT LEAST I'M NOT OVERLAPPING

HE'S RIGHT, THOUGH, SHINY THERE'S A LAYER OF EXPLOSIVES AROUND ME SET TO EXPLODE IN 30 SECONDS.

QUICK, SHINY! GET THE BLACK BOX FROM MY HEAD. THERE MAY BE HOPE

BAFOOOOM

IS MR. METAL DEAD? YES! READ THE NEXT INSTALLMENT ANYWAY

I CAN ALMOST BREATHE THROUGH MY SHOULDER

BY TOM LEHNER

DILBERT AND ZIMBU COMPETE FOR ONE JOB.

THIS NEXT EVENT TESTS YOUR HUMOR AND CREATIVITY.

AFTER COMPARING THE TWO OF YOU, I'VE DECIDED TO KEEP DILBERT FOR THE LAST ENGINEERING JOB.

THANK YOU ALL FOR COMING TO THIS EMERGENCY BOARD MEETING.

THE MOTION IS APPROVED. DOGBERT IS OUR NEW COMPANY PRESIDENT BECAUSE HE HAS THE BEST HAIR.

OUR PAY IS TOO LOW, AND THERE'S NO CLEAR LEADERSHIP. AND WE WANT PARKING SPACES...

WHAT?? THE PRESIDENTS OF OTHER COMPANIES MAKE WAY MORE MONEY THAN I DO!!

I SAVED THE COMPANY A FORTUNE BY SENDING THE HEADQUARTERS STAFF ON ONE-WAY BUSINESS TRIPS.

WHY DID YOU QUIT YOUR JOB AS COMPANY PRESIDENT?

I MADE A FORTUNE ON MY STOCK OPTIONS AND RETIREMENT PAYOUT.

THE OBJECTIVE IS TO SEE HOW MUCH FUN YOU CAN HAVE IN THE BARREL. WHO WANTS TO GO FIRST?

YES! I WIN, YOU LITTLE BANANA-EATING-FLEA-HOTEL! HA HA HA HA!!!

AS YOU KNOW, ALL PROMOTIONS TO SENIOR MANAGEMENT ARE BASED ON HAIR. I THINK WE ALL AGREE THIS IS THE BEST SYSTEM.

... BULLDOZE THE EMPLOYEE CAFETERIA AND PUT IN MY HELICOPTER PAD... AND I NEED A FEW OFFICE IMPROVEMENTS...

I'D BETTER MAKE SOME SHORT-SIGHTED SPENDING CUTS THAT SHOULD RAISE OUR STOCK PRICE AND MAKE MY STOCK OPTIONS WORTH MILLIONS.

THEY HAVEN'T WASTED MONEY ON ANY STUPID PROJECTS ALL DAY... NOW I CAN LEAK MY STRATEGY TO THE MEDIA AND EXERCISE MY STOCK OPTIONS AT THE UPTICK.

I'M GOING TO TURN MY ATTENTION TO PHILANTHROPY.

THIS IS NO FAIR. ZIMBU IS A MONKEY. HE HAS AN ADVANTAGE.

ACTUALLY, THIS IS A TEST OF YOUR GULLIBILITY.

I'M PUTTING ZIMBU ON THE MANAGEMENT FAST-TRACK.

BAD TIME FOR THE VICTORY JIG.

BUT HAVE YOU NOTICED THAT I HAVE A RICH LUSTROUS COAT, WHEREAS OUR CURRENT PRESIDENT GETS A LITTLE OUTSIDE HELP?

WE NEED A TRAP DOOR HERE, BUT IT WON'T BE FUNNY UNLESS YOU CAN GIVE ME SOME "FLUSHING" SOUNDS.

ALL THINGS CONSIDERED, I THINK I ENJOY THEM MORE WHEN THEY'RE DISGRUNTLED.

... ALL BUSINESS TRIPS ARE ONE-WAY FROM NOW ON... AND YOU'RE ALL REQUIRED TO TAKE A TRIP THIS AFTERNOON.

SOMEWHERE IN IOWA

UH... I'M HERE FOR A MEETING

DID ANYBODY SEE YOU?

IS THAT THE STUDY OF PEOPLE NAMED PHIL?

IT'S MOSTLY ABOUT WATCHING PEOPLE BEG AND HAVING BUILDINGS NAMED AFTER ME.

DILBERT® by Scott Adams

Jim's Journal

by Jim

I sat around and watched TV for a while today.

I watched "Unsolved Mysteries" and they had a story about a UFO landing in Pennsylvania.

They made it sound like it could have actually happened.

I thought it was a pretty good show.

Today I called the cable TV company.

"I think you're the last guy on earth without cable," Steve said yesterday.

I told the person on the phone I wanted to sign up for cable TV.

She put me on hold and I took the opportunity to unravel my phone cord.

Somebody was supposed to come by today to hook up my cable TV.

I waited from noon to five, just like they told me to.

The cable company called and said, "Where were you? We came, but nobody was home."

Then I remembered that at around four I went across the street to buy corn nuts.

I was walking around outside with Steve today.

We passed by some people juggling on the grass.

We sat and watched them for a while.

"They're pretty good," Steve said.

Today the cable TV guy came.

He had a big belt full of tools and hooked up my TV really fast.

"Mind if I use your phone?" he said. I said sure and he dialed his number.

While he was waiting for it to answer he pointed to Mr. Peterson and said, "Hey cat, how's it goin'?"

I went over to Steve's place today.

"Watch this, Jim," he said. "Watch this."

Then he juggled for about two seconds until he lost control of all the balls.

"Pretty good, huh?" he said.

Steve and Ruth came over today to watch a movie on cable.

It was Under Siege.

We watched it and ate popcorn that Ruth brought.

When it was over we turned off the TV, sat around and didn't say much of anything.

Today I was sitting around at home when Tony called.

I went to his place and he asked me to make him some food.

"It hurts just to stand up, Jim, I swear," he said.


I made him a sandwich and while he ate it he said, "My compliments, Jim. The perfect amount of Miracle Whip."

GET EXTRA CREDIT WITHOUT KISSIN' UP.

WITH NO ANNUAL FEE
AND A \$1,000 CREDIT LINE,
YOU CAN KISS ALL THOSE
EXPENSIVE CARDS GOOD-BYE.



IF YOU DON'T GOT IT,
GET IT.SM

MEMBER  NETWORK ©1993 GREENWOOD TRUST COMPANY, MEMBER FDIC

continued from page 1

Russell

were the butt of many jokes. The desire to send troops to Somalia, Bosnia, and Haiti was attributed to Clinton trying to make up for being a draft dodger. Health care reform did not fare well. The irony of funding it through a cigarette tax was attacked in a parody of "Puff the Magic Dragon" entitled "Puff and Keep on Draggin'."

Of course, no evening of political humor would be complete without a few Perot jokes, and Mark Russell did not disappoint us. He announced that one good reason to support NAFTA is that Ross Perot opposes it. Mark then went back in time and told some of the usual campaign jokes. "If anything ever happened to Perot, we'd all be in the unusual position of missing Dan Quayle." In one joke re-

lated not only to a past election, but also to several recent trials across the country, he noted that when trying to find 12 jurors who had not heard of Oliver North, Ronald Reagan was a candidate.

He then moved to an important California topic, immigration. After describing freedom as being able to, in one hour, enter the United States and become a taxi driver without speaking any English, he hit upon a topic close to many in southern California. Ruth Bader Ginsberg was accepted to the Supreme Court after her maid was confirmed. The amount of laughter surprised Mark.

In one of his final songs, he referred to the AARP, a group that instills fear in every politician, as the "Geritol Guerillas."

After an evening of many good jokes and a few flops, he ended the show with a quote that many scientists would support. "I have been to Caltech, therefore I am."

ASCIT minutes, November 2

by Karen Shih

Present: BOD (minus Asif Hassan), Jennifer Trittschuh, Dave Derkits, Vicki Brown, Anna Mulhern, Michael Zeineh, Tatsuya Murase, Gavin Claypool.

New Business

- Corporate resolution for electronic transfer of funds through Bank of America. This would only affect the payroll account. Passes (6-0-0; Mike was late.)
- Jam Room picks up third term '93 check.

Old Business

- BOC Bylaws: several different proposals are presented. Further discussion is tabled until the next meeting.

Director of Social Affairs

- Halloween Party was a huge success

- Join the ASCIT BOD at the movies on Friday, November 19th at 7:30. The BOD is sponsoring a trip to the El Capitan Theatre in Hollywood to see "The Three Musketeers". Space is limited and the sign up will be up next Tuesday outside of Winnett. There will be a random drawing from all who sign up.

Director of Academic Affairs

- The Student-Faculty Conference is still set for February 25th.

- Both Honor System and Improving Communications subcommittees are meeting on Thursdays of each week.

- The CLUE is beginning production soon; co-editors are needed.

Freshman Director-at-Large

- The UROH is getting under way.

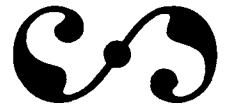
BOC Chair

- The Faculty Board is meeting on Monday

- Discussion on previous bylaw proposals from last week: the proposal as it stands, if passed, will permit a BOC rep to petition the ASCIT Excomm in the event that she or he ceases to be a student. (For a detailed summary of the discussion, see article in *The California Tech*, 11/5/93.)

President

- The word is NO from the Institute on using the Millikan Board Room for ASCIT BOD Meetings.



RAVE REVIEWS

Stigmata

by Leo Fontaine

Held Wednesdays at the Probe, Stigmata has a lot of similarities to Kontrol Faktory since it and Kontrol Faktory are held at the same club. In fact your Kontrol Faktory kard will get you into Stigmata. What? You don't have a Kontrol Faktory Kard? You should have gone last week. Not to fear, \$1 will get you your Stigmata membership card which, by the way, will get you into the Kontrol Faktory. The music is a varied mix of industrial, alternative, nu wave, and 80's music. Again the light show, similar to Kontrol Faktory's, has to be seen. Stigmata is an all around cool club. When you go beware of the parking restrictions near the club—they will ticket you! However, a few blocks to the east there is unrestricted parking. Wear Black.

Stigmata: Wednesdays at The Probe, 836 N. Highland, Hollywood, (213) 462-7112. \$5/\$6, 18 and over.

Since the little Ⓢ editors cut the club listings from the little Ⓢ, this column was started in the Tech in hopes that the reviews will be included in the next little Ⓢ. This is an open column—if you wish to write your own **RAVE REVIEW**, please submit it to the Tech as you would any other submission.

Book Now For The Holidays

Orlando	\$179*
New York	\$179*
Boston	\$179*
Washington DC	\$179*
Paris	\$199*
London	\$215*

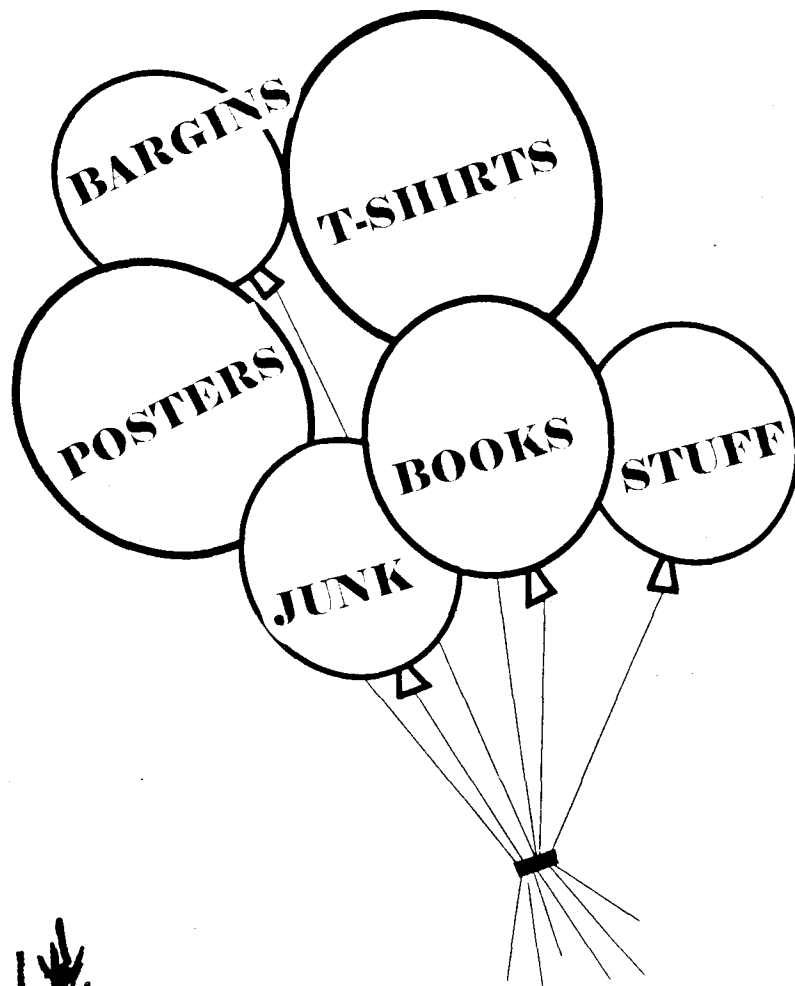
* Fares from Los Angeles and are each way based on a roundtrip purchase. Restrictions apply and taxes not included. Student status may be required.

Council Travel

14515 Ventura Blvd. #250
Sherman Oaks, CA. 91403

1-818-905-5777

THANKSGIVING COUNTRY FAIR SIDEWALK SALE AT THE CALTECH BOOKSTORE



COME AND JOIN US FOR THE
BEST SIDEWALK SALE EVER
TERRIFIC BARGAINS BETTER
THAN EVER BEFORE

DATE: NOVEMBER 17TH AND 18TH

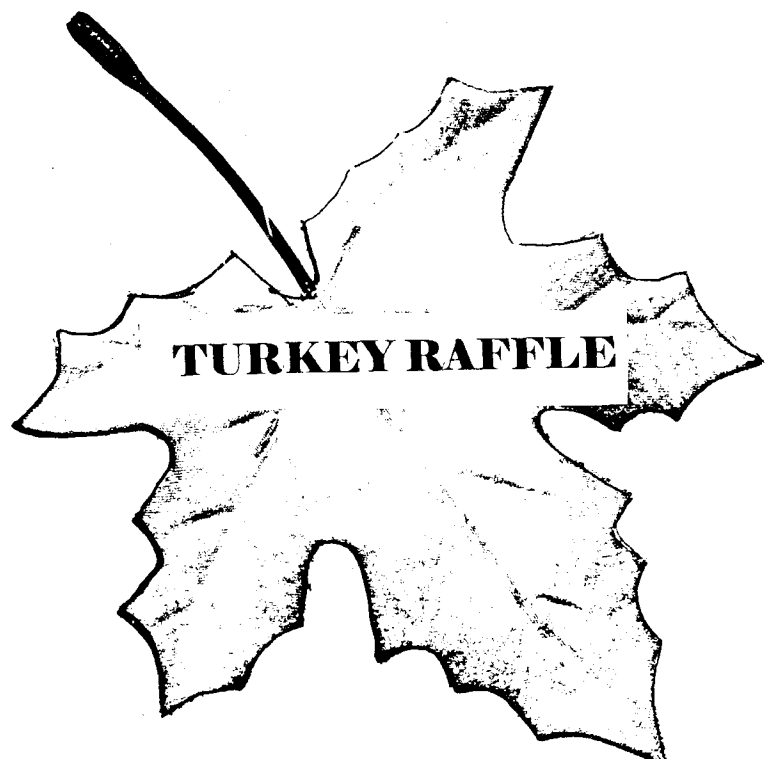
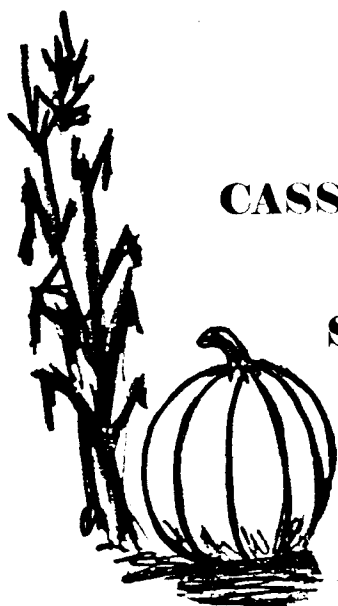
TIME: 10:00 AM TO 4:00 PM

FREE COOKIES AND LEMONADE

CASSETTES

SWEAT SHIRTS

GREETING CARDS



continued from page 1

BOC

meetings have centered around whether a BOC representative would be able to serve in full capacity if undergraduate status was lost and what losing the status would mean to the defendants of potential cases, which, in effect, would involve the entire undergraduate population.

Though no one has contested the capability of a representative to serve effectively with or without UG status, one reservation about the proposal stems from the clause which stipulates that the BOC will

be made up of a board of *peers*. Could a defendant contest the validity of the Board if a current member is not a registered student? Should a BOC representative who has ceased to be a student have the right to continue passing judgment on Caltech students?

This line of thought then brought the focus of the discussion to the difference, if any, between the decisions made on the BOD and those made on the BOC. Proponents of the present system raise, as their argument, the judiciary nature of BOC actions which may cause fundamental changes in individual lives. The decisions made on the BOD, however, though not any less important, have less per-

sonal impact. Therefore, the intent and ability of an ASCIT officer to fulfill the job requirements are enough to override the lack of undergraduate status.

On the other side of the coin, if an undergraduate had been elected or appointed to the BOC on the basis of intent and ability, why should he/she be forced to resign just because of a difference in status? If an officer of the ASCIT BOD can opt to remain in office without paying ASCIT dues and thus defy the very nature of the term "student representative", then a BOC representative should have the same options as well. Proponents of the bylaw changes cite this apparent inconsistency in the treat-

ment of ASCIT and BOC officers as their platform for reform.

Clearly, there are many sides to this issue, and many possible solutions to the problem. Perhaps the existing bylaw should be repealed; then, *only* undergraduate students would be able to serve in any campus office. Or perhaps there should be distinct processes for different kinds of leaves; then, maybe only those on voluntary leave should have the right to petition the ASCIT ExComm. This article was meant to generate discussion among the Community, and the BOD welcomes any new ideas and perspectives on the topic. Please direct all correspondence to any member of the BOD.

continued from page 1

Financial aid

instead of the Renewal Application.

In addition to the Renewal Application, to be considered for Caltech financial aid, students must *also* complete the 1994-95 Financial Aid Form. Both forms (the Renewal Application and the Financial Aid Form) should be mailed in their respective pre-addressed envelopes *after January 1, 1994 but before the March 2, 1994 Caltech priority date*. (A brochure with more details on the 1994-95 application process and a Financial Aid Form will be sent to all Caltech students, to their permanent home address, prior to January 1, 1994. Until then, the Caltech Financial Aid Office suggests that you keep your Renewal Application in a safe place.)

If we in the Caltech Financial Aid Office can provide any help with this new "streamlined" application process for the 1994-95 academic year, please feel free to contact us at x6280.

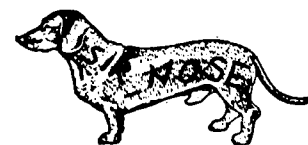
continued from page 5

Hey, Man!

bit of rapping on this album, mostly from rap stars like Dr. Dre, Ice Cube, and Humpty Hump. Clinton performs some of the rapping duties himself, however, and performs quite well.

While there is a lot on this album for the casual listener to enjoy, there's also a lot for the die-hard P. Funk fans out there. Bootsy Collins and Bernie Worrell reprise their old musical roles, and are joined by such guest instrumentalists as Flea and Herbie Hancock. There are the expected P. Funk references in the lyrics as well as some of the solos. There's not as much silliness as you might expect (i.e., no songs about the temptations of dogs), but Clinton's personality shines through nonetheless. In short, it's the same old mothership with a brand new paint job.

Thirteen wins, one loss, one tie, and no roof (did you even have to ask?).



Rag Time on Green

RESALE CLOTHING
for
WOMEN

1136 E. Green St. • Pasadena
(818) 796-9924

Wed 10-6 • Mon-Tue-Thu-Fri 10-5 • Sat 10-3

SPEEDY RESEARCH Reports: \$5.00 per page

Over 50,000 topics and clippings.
Materials for research assistance use only!

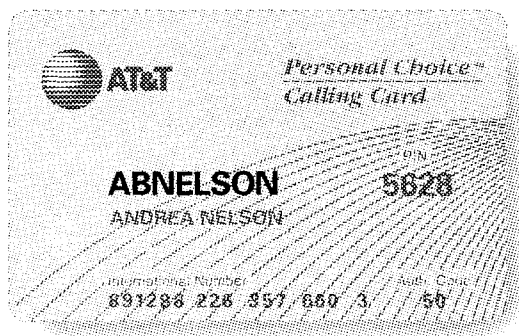
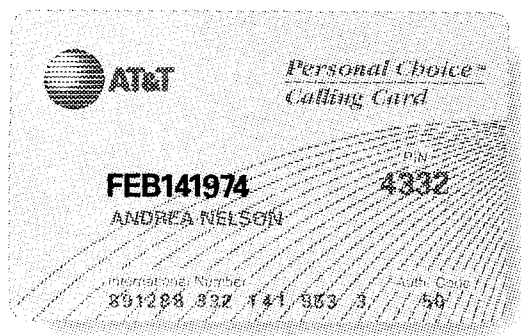
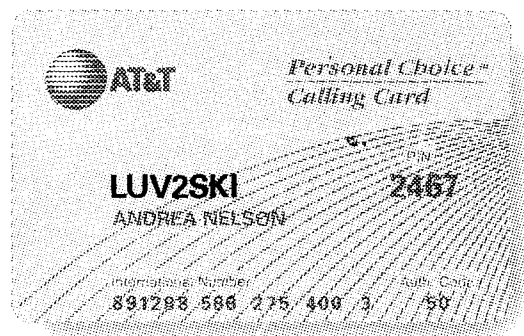
6546 Hollywood Blvd., 2nd Floor, Room 209
Los Angeles, CA 90028

Mon-Fri 10:30-6:00 • Sat 11:00-4:00

Custom Research Available

AmEx • VISA • MasterCard • Fax
Call Today! (800) 356-9001

Just Name It And It's Yours.



Introducing the new AT&T Personal Choice™ Calling Card.

The AT&T Personal Choice™ Calling Card is the only card that lets you select your own name or number. Choose any combination of seven to nine letters or digits. Use your nickname. Your birthday. Your telephone number. Even the name of a boyfriend or girlfriend. (As long as you're not going to want to forget them down the road.)

What's more, you can use it to make calls to or from almost anywhere and still get AT&T's low rates.

The new AT&T Personal Choice Calling Card. There's no easier way to stay in touch. And no easier card number to remember, because you choose it.

Call for your AT&T Personal Choice Calling Card today, and make a name for yourself.

Dial 1 800 654-0471, Ext. 1440.



continued from page 4

Homeboy

food and drink. There will be competitors of all skill levels, from hardened duathlon veterans to newcomers with little or no training. Relays of two or three people are welcome as are participants who only wish to do part of the race. Volunteers to help with timing are very welcome and will be able to score food while everyone else is sweating it out in the race. The top three finishers will be given prizes of widespread awe and admiration.

Tentatively, the duathlon will be held on Saturday, December 4th at 10:00 A.M. This is the week after Thanksgiving and the week before finals. This date is not set in stone, and the race directors will be glad to change it if they receive enough requests to do so. The race will start at the south west corner of the Rose Bowl parking lot (West Drive and Seco Street) but the race organizers will try to provide transportation from Caltech for those who need it. For more information on this race or CLUB HOMEBOY in general (or to express your date preferences), contact Andy Zug at 577-2772, MSC 881, or e-mail zug@cco.caltech.edu.

Also in the works is a grueling duathlon being organized by EE professor John Doyle. For the lu-

natic fringe of endurance athletes, it consists of a run up to Mount Wilson (roughly 9 miles with 4500 feet of elevation gain) followed by a 35 mile bike to Dawson Saddle featuring a few thousand vertical feet of climbing. If you are interested in participating or providing CPR (or other assistance) for those who do, contact Doyle by e-mail doyle@hot.caltech.edu.

JOIN KIM AND DAVID FOR HOCKEY AT THE FORUM

NOVEMBER 18, 1993

SEE THE L.A. KINGS TAKE ON THE TORONTO MAPLE LEAFS

If you're interested, drop us a short paragraph explaining why you would like to go, to mail code 115-51. No hockey experience necessary.

Kim D. West, DRL
David Wales, MOSH

PASADENA COMPUTER

1756 E. Colorado Bl., Pasadena, CA. 91106 T:(818)568-1088 F:(818)568-9132

Since 1988

Canon

486 VESA LB

- Pentium overdrive ready
- 2 VESA & 4 ISA slots open
- 4MB ram up to 68MB
- 240MB IDE hard disk
- 3 1/2" & 5 1/4" floppy drive
- Canon 14" SVGA monitor (.28)
- VESA accelerator SVGA W/1MB
- 2 serial, 1 parallel
- 9600 fax/2400 modem
- Canon 101 keyboard
- Logitech mouse, Canon mouse pad
- Energy star compliant (EPA)
- Free software pre-installed (w/manuals)
- Microsoft DOS 6.0 (Value \$55)
- Microsoft Windows V3.1 (Value \$75)
- Microsoft Works for Windows (Value \$115)
- MicroFax by Phoenix (Value \$95)

One Year On-Site Warranty

486DX2-50MHz \$1695

C:M

486 VESA LB

- Pentium overdrive ready (P24)
- 256K cache
- 3 VESA local bus slots
- 4MB ram up to 32MB
- 255MB IDE hard disk
- 3 1/2" & 5 1/4" floppy drive
- 14" SVGA full screen (.28) NI
- VESA accelerator SVGA W/1MB
- 2 serial, 1 parallel
- VESA dual IDE FD/HD controller
- 101 keyboard
- 3 button mouse

One Year Parts & Labor
Warranty

486DX-33MHz \$1275

486DX-50MHz \$1450

486DX2-66MHz \$1525

C:M

Super power 486 EISA VESA LB

- Pentium overdrive ready (P24)
- 256K cache
- 100% bus mastering
- Eight 32 bit slots
- 4MB ram up to 32MB
- 340MB IDE hard disk
- 3 1/2" & 5 1/4" floppy drive
- 14" SVGA full screen (.28) NI
- VESA accelerator SVGA W/1MB
- 2 serial, 1 parallel
- VESA dual IDE FD/HD controller
- 101 keyboard
- 3 button mouse

One Year Parts & Labor
Warranty

486DX-33MHz \$1575

486DX-50MHz \$1750

486DX2-66MHz \$1825

All the computers & notebooks, printers are cash discount only

Canon INNOVA 486NX



- New Intel enhanced 486SX-25MHz
- 4MB ram up to 12MB
- VGA accelerator video card W/512K Ram (3.8 Winmarks support ex.SVGA monitor)
- 120MB IDE hard disk
- 1.44MB Floppy drive
- 9600 Fax/2400 modem
- Built-in trackball (Middle)
- Battery hours: 2.5 to 5 hours
- 110-240 automatic
- 5.9 lbs
- Microsoft DOS 6.0
- Microsoft Windows 3.1
- Microsoft Works V2.0
- MicroFax by Phoenix

One Year Road-Side Warranty
\$1595

Canon NoteJet 486



- 486SX-25MHz
- 4MB ram up to 12MB
- PCMCIA II slot
- 80MB IDE hard disk (135MB, 185MB option)
- 1.44MB Floppy drive
- Built-in Bubblejet printer
- 360 dpi
- Canon hand held trackball
- Microsoft DOS 6.0
- Microsoft Windows 3.1

One Year Road-Side Warranty

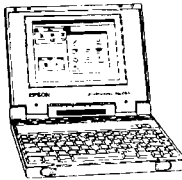
80MB HD \$2195

135MB HD \$2395

185MB HD \$2595

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



\$1650

One Year On-Site Warranty

MITAC

- 486SX-25MHz (Intel inside)
- 4MB ram up to 18MB
- Removable 120MB IDE hard disk
- 1.44MB Floppy drive
- Built-in trackball mouse
- System Preloaded
- Microsoft DOS 6.0
- Microsoft Windows 3.1

\$1350

School PO# Welcome

90 days same as cash leasing program available

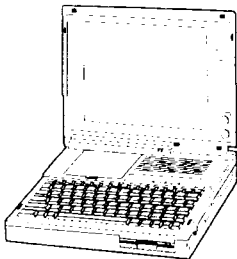
This week special

Bondwell - Notebook SALE!!

International Warranty over 30 countries

- 486SLC-33MHz
- 4MB ram up to 8MB
- 120MB IDE hard disk
- 1.44MB Floppy drive
- 9600 Fax/2400 modem
- Carrying case
- 2 battery charger
- Microsoft DOS 6.0

\$1399



Fax/Modem

- 14,400 Fax/14,400 Modem (AT&T) \$175
- 14,400 Fax/14,400 Modem (Rockwell) \$158
- 9600 Fax/2400 Modem (Int.) \$59

Tape Backup

- Coner 250MB W/3M tape \$195
- Coner 4320RT 2GB (Int.) \$965
- Coner 4320RT 2GB (Ext.) \$1195
- Colorado DJ1-10 120MB \$155
- Colorado DJ-20 250MB \$195
- Colorado 120MB (Ext.) \$315
- Colorado 250MB (Ext.) \$385

Monitor

- 14" SVGA 1024 (.28) \$245
- 14" SVGA (.28) Non-interlace \$275
- 14" VESA SVGA (.28) 72Hz NI \$295
- 15" SVGA (.28) NI, Low radiation \$465
- 17" SVGA 1024 (.26) NI \$795

CLASSIFIED ADS

FUNDRAISING—

GREEKS & CLUBS

Raise up to \$1,000 in just one week! For your fraternity, sorority, and club. Plus \$1,000 for yourself! And a free T-shirt just for calling. (800) 932-0528, ext. 75.

HELP WANTED—

CAN YOU MAKE a car vanish from police radar in a manner consistent with FCC regulations? If so, we need to talk. Outstanding opportunity! Mike McKown, President, Jammers, Inc., Douglas, Wyoming. (307) 358-1000.

ALASKA SUMMER EMPLOYMENT — fisheries. Many earn \$2,000+ /month in canneries or \$3,000-\$6,000+ /month on fishing vessels. Many employers provide benefits. No experience necessary! Get the necessary head start on next summer. For more information call (206) 545-4155 ext. A5955.

LAMP SHADES 'R' US—

LAMP SHADE AVAILABLE! If your light is too bright, call the Tech at x6154. We've got this really cool shade that has your name on it (but unfortunately not your extension). Free to the first one who calls.

REAL ESTATE—

CALTECH PROFESSOR'S DREAM HOME! Reduced! English style, 2-story, 4-bedroom, 3-bathroom, with study. 100x150 lot. Quiet rose garden, many fruit trees. 1535 Oakdale St., Pasadena. Call Daniel at (818) 288-1396 for appointment. Hurry! Won't last.

SERVICES—

SCHOLARSHIPS AVAILABLE from private sources. Take action to secure your future schooling now. Minimum six sources guaranteed. Call (818) 353-3317 (ask for Therese).

RATES \$4.00 for first 30 words; . . . 10¢ for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

* Note: asterisks denote new announcements.

Notices

Wellness Week/Health Fair Committee—Students interested in health and wellness issues who want to participate in this year's Wellness Week/Health Fair activities, are welcome to attend the next planning meeting on Tuesday, November 9, 1993 12 P.M.–1 P.M. in the Conference Room in the Student Health Center. Please bring your lunch. For further information call Dinah Lee Schaller at x8331.

The Los Angeles Branch of the Orton Dyslexia Society and the Los Angeles Chapter of the Learning Disabilities Association of California are holding their 3rd Annual Free Information Fair and LD Walkathon on Sunday, November 14, 1993 at Los Angeles Pierce College in Woodland Hills. Registration for the LD Walkathon begins at 8:00 A.M., the Free Information Fair opens at 9:00 A.M. For a free brochure and information call (818) 725-3777.

Work Abroad Meeting: Tuesday, November 9 from 12 noon until 1 P.M. in Winnett Lounge. Summer and academic year work opportunities abroad will be discussed. A yummy pizza lunch will be served. Call Lauren Stolper at x2150 by noon on November 8 if you plan to come. You may leave a message on the answering machine at any time. Please give your name, your favorite pizza toppings and how many slices you usually consume. This will help us to estimate the number of pizzas we need and the most favored toppings.

* **Don't Board Your Pet this Thanksgiving!** While I'm pet sitting/house sitting for a Caltech family, I'll also sit (spoil) your pets—for free! Available November 19 to December 5. Call Susan at (714) 857-6477 until November 19, (818) 796-8879 thereafter.

Events & Services

* **Model United Nations**—Now is the perfect opportunity to start a Model United Nations program at Caltech. An informational meeting on the Model UN will be held on Thursday, November 11, from 12:00–1:00 at the International Student Programs office. A Model UN representative will be present to introduce the program and answer questions. Lunch will be available if you call ISP at x6330 before the day of the meeting.

* The Caltech Women's Tennis Team is hosting the 1993 Beaver Fever Tennis Tournament on November 20–21. Entry fees are \$10 for singles and \$15 each doubles team. The events are women's and men's singles and mixed doubles. Please contact Coach Karen Nelson at x3266 for more information. All of the Caltech/JPL community is welcome to enter.

The Killing Fields will be shown on Friday, November 5 at 7:30 P.M. and 10:00 P.M. in Baxter Lecture Hall. Sponsored by Amnesty International.

You Can't Take It With You—Come see Techers in TACIT's production of this immortal comedy. The show runs evenings in Winnett Lounge, Nov. 12, 13, 19 and 20 with matinees on Nov. 14 and 21. Tickets available at the door or through the Caltech Ticket Office (x4652) for \$6.00 or only \$4.00 for Caltech students.

Racquetball Club Tournament on November 13 and 14 to be held at the Braun Athletic Center during the normal hours of the gym. The entry fee includes racquetballs for the tournament with a tournament T-shirt. ASCIT, GSC, and OWC members will receive reduced entry fees courtesy of their organizations. Entry forms will be available at the Braun center or will be mailed to people by request. Please contact Larry at hazman@cco.caltech.edu or x6727.

Events and Notices

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—We have had some trouble getting a room for Wednesday, so send mail to cycling@cco or read the newsgroup caltech.announce.bicycle to discover the secret location!

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, 5:00 P.M.: 15 easy paced miles
- Tuesday, 5:30 P.M.: women only road ride
- Wednesday, afternoon: off-road ride, times vary
- Saturday, 10:00 A.M.: off-road ride

Rides leave at the time listed, so please arrive a few minutes early. In addition, we are trying to organize a weekly off-road ride, and other recreational rides. Starting November 9, we will be going to the Dominguez Hills Velodrome for track bicycle riding. Cost is \$40 for four sessions, including bicycle rental. For more information, contact Michael Kantner at x4882 or send e-mail to kantner@hot.caltech.edu.

The Caltech Gay/Lesbian/Bisexual Support Group meets the first and third Tuesdays of each month 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, call 356-8331.

There will be a CLU meeting this Tuesday, November 9, in SAC room 35 at 7:30. We will be discussing our activities for the upcoming month. New members are welcome!

Pasadena YWCA Rape Crisis Center—Self Defense for Women. Classes held monthly. Saturday from 12:00–4:00 P.M. November 6. \$25 per session (Sliding Scale, no woman turned away for lack of funds). Contact: (818) 793-5171.

Caltech Y ExComm Meeting—The Y invites anyone who wishes to co-sponsor an event to attend on the first or third Monday of each month.

Friday Prayer—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 12:30 P.M. every Friday.

Mass—Thursday at 8:15 A.M. in the Y lounge and Sunday at 10 A.M. in Winnett lounge. Sacrament of Reconciliation (confession) is given 20 minutes before masses. Refreshments are served after mass.

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).

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 leave early. For more information call x6353.

* **The Caltech/JPL Flying Club** will be holding a General Membership meeting on November 10, 1993 at 7 P.M. in 269 Lauritsen. The evening's speaker will be Captain Brian Tyler, a United Airlines pilot. His topic will be "How to Live to be an Old Pilot". All are invited.

* **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**—Judy Library, 110 Baxter, 12:00 noon. "Collaborative Couples in Science: Creativity and Intimacy in Quasi-Egalitarian Relationships," Dr. Pnina G. Abir-Am, Foreign Research Associate, CNRS, Paris. Refreshments will be served.

Scholarships, Internships, & Competitions

Rotary Scholarship Meeting—Friday, November 12 at 12 noon in the Winnett Lounge. Lunch provided. The Rotary Scholarship usually allows for one year of graduate or undergraduate study in any country in the world that has a Rotary Club. (This means most free nations.) There are also scholarship options for 3 or 6 months of language study, as well as a "multi-year scholarship" that provides two or three years of study for those who wish to earn a degree abroad. The one year award will be worth up to \$21,500 for 1994 recipients. Those who are a child, spouse, grandchild or sibling of a living Rotary member cannot apply for this scholarship. Employees or Rotary members are also ineligible.

If you would like to attend this information meeting, call Lauren Stolper, Fellowship Advisor for further information. Give your name, favorite pizza toppings and the typical number of pieces you can politely consume at lunch. Please call by noon on Tuesday, November 11.

Work Abroad Meeting—Tuesday, November 9 at 12 noon in Winnett, CLUB ROOM 1 (not Winnett Lounge as advertised last week). Find out about short term, long term and summer opportunities abroad. Call Lauren Stolper at x2150

by Monday, Nov. 8 at noon to let us know whether you are coming, your pizza topping preferences, and pizza eating capacity.

Zonta International Foundation Amelia Earhart Fellowship—provides grants of \$6000 for women who will be or are pursuing graduate studies in an aerospace-related science or engineering field. Call Lauren Stolper, Fellowship Advisor for further information at x2150.

Ford Foundation Predoctoral and Postdoctoral Awards for Minorities—Predoctoral awards will be made to U.S. citizens who are either African American, Mexican American/Chicano, Native Pacific Islander, or Puerto Rican. Predoctoral awards are made for Ph.D. or Sc.D. study in the sciences, mathematics, engineering, social sciences, humanities, or interdisciplinary programs in one or more of these fields. Postdoc money is available in these fields as well. Applications are available in Career Development. The preliminary deadline is November 5 for predoctoral awards. (This deadline simply requires filling out a form). The postdoctoral deadline is January 7. Contact Rosana Gatti at x6361 or Lauren Stolper at x2150 for further information or help with your application.

USA TODAY is enlisting your support in selecting the nation's best and brightest college students. Sixty students will be chosen to the 1994 All-USA Academic team. Twenty members of the first team will receive \$2,500 cash prizes and be the guests of USA TODAY at a guest luncheon. Factors given most weight by the judges are a nominee's scholarship or academic talent, creativity and leadership. In interest, please contact the Deans' Office, 102 Parsons-Gates for application information. Applications must be postmarked by November 30, 1993.

For information on the following scholarships, please contact the individuals listed at the end of each scholarship.

United States Department of Energy: Integrated Manufacturing Pre-doctoral Fellowships—The United States DOE is offering twelve three-year fellowships for study toward the Ph.D. degree. Eligibility is limited to citizens, nationals, and permanent resident aliens of the United States, who will have received a master's degree by the fall of 1994, but evidence of equivalent post-baccalaureate professional industrial experience may be offered by the applicant in lieu of the master's degree. There is a stipend of \$20,000 per year, and up to \$15,000 per year will be provided toward tuition and fees. Selection is merit based. Contact: Fellowship Office, National Research Council, 2101 Constitution Avenue, Washington, D.C. 20418, or call (202) 334-2872. Initial application date is November 5, 1993.

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

* **The Association of State Dam Safety Officials, Inc. (ASDSO)** is offering two scholarships, in the amount of \$2500 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. Announcement of successful candidates will be made in the spring of 1994.

The American Society of Naval Engineers is sponsoring a \$2000 scholarship for the 1994–95 academic year. The candidate must be a U.S. citizen, demonstrate a genuine interest in a career in naval engineering, and be applying for support for the last year of a full-time or co-op program or one year of graduate study leading to a designated degree in an accredited college or university. Application and supporting documents must be received by the association by February 15, 1994.

The National Academy for Nuclear Training is beginning its competition for scholarships for the 1994–95 academic year. Scholarships are available to U.S. citizens who are pursuing a Bachelor's degree in nuclear engineering, power generation health physics, or mechanical, chemical, or electrical engineering with a nuclear or power option. A student's eligibility begins in his/her sophomore year. Preference will be shown to students considering careers in the nuclear power industry. Applicants must be enrolled full-time and a minimum GPA of 3.0 is required. The completed application and all other required documents must be submitted no later than January 21, 1994.

The Data Processing Management Association is offering two scholarships for \$1,000 each provided by the Bert A. Monaghan Scholarship Fund. Applicants must have financial need and have made Computer Science their major career goal. The Scholarship Committee must receive the application by November 19, 1993.

The American Scandinavian Foundation of Los Angeles will distribute five \$1000 scholarship awards to upper division and graduate students enrolled in accredited schools in the Greater Los Angeles area. Students must have a demonstrated interest in Scandinavia. Applicants must have strong academic qualifications and must show financial need. Two letters of recommendation, appropriate transcripts, and the completed application are due by March 15, 1994. Awards will be presented at an event in the late spring of 1994. Checks will be issued to students, payable following enrollment in the fall of 1994 (with the exception of senior awardees).

The American Electroplaters and Surface Finishers Society is offering scholarships for the 1994–95 award year. A student may apply for the scholarship if he or she will be an undergraduate of at least junior standing in a chemistry, ChemEng, EnviroEng, metallurgy, or materials science program where the focus of the curriculum is in science subjects. Awards are not necessarily based on financial need. Applications must be postmarked by April 15, 1994.



PARIAN TRAVEL
Caltech Officially Approved

Most professional, courteous, economical and efficient service for your **official** and **personal** travel needs.

Free service to you. We deliver.

Airlines, Cruises, Tours, Hotels, Car Rentals.

Individual, Commercial, Groups.

(818) 577-8200

468 S. Sierra Madre Blvd., Pasadena

Save up to 35%

BURGER CONTINENTAL

Save up to 35%

TO ALL CALTECH STUDENTS, FACULTY AND STAFF:

All the time.
Seven days
a week.

BREAKFAST BUFFET Mon-Sat \$3.95

LUNCH with soft drink \$4.95

DINNER with soft drink \$6.25

Breast of chicken, seafood, lamb, or the day's special

SPECIALTIES

Shish kebab Shaorma Souvlaki steak
Fresh fish and lamb Baklava
Homemade pizza Gourmet hamburgers

We cater for all occasions

535 S. Lake Ave.
(818) 792-6634

The California Tech

Caltech 40–58 SAC
Pasadena, California 91125

**HEAR THE
WEDNESDAY NIGHT
JAZZ BAND**

Mondays – Half price margaritas.

Tuesdays – Beer half price.

Wednesdays, Thursdays 3–7 P.M.