

DITCH DAY
WAS
YESTERDAY
FROSH!

The California Tech

DITCH DAY
IS
TOMORROW
FROSH!

Volume XCV, Number 27

Pasadena, California

Friday, May 13, 1994

Track Teams Peak When It Counts: Men and Women at Top Level During SCIAC Championships



PHOTO BY CALTECH SPORTS

Our SCIAC 400-meter and 1600-meter relay team relaxes after a loooong day in the fast lane. Pictured from left to right are: Rob Bergeron, Adrian Hightower, Ron Steiger, Art Greenberg.

by Jim O'Brien

Preliminaries

The SCIAC Championships were hosted this year by Claremont-Mudd-Scripps with a serious emphasis on the MUDD. Due to recent heavy rains, the Claremont dirt track was submerged and sloppy and the alternate venue across the street at Pomona Pitzer's all-weather track was utilized. (Considering the proximity and availability of this first class surface, it kind of makes you wonder why the meet was scheduled at CMS in the first place, but that's another story altogether.) The theme of this championship was PRs, PRs, and more PRs! From top to bottom, both men and women displayed their talents at the highest competitive level, producing the expected excel-

lent results.

The Conference Preliminaries began on Thursday with qualifying races, however, several Finals were also completed. Getting Caltech on the scoreboard immediately was Amy Oldenburg, setting a new *school record* in the Hammer Throw at 118'6" and placing sixth. Later on, Amy duplicated that distance of 118'6" in the Discus Throw for another *All-Conference* fifth place performance. The only other final in which Tech scored was the 3000m Steeplechase where Andy Zug placed forth with a 10:03.81, his best time of the season by forty seconds. Zug captured an *All-Conference* award while teammate Jesse Shue finished just out of the money in seventh place with a fantastic performance of

10:09.64. Look out for this frosh during the next three years! In other preliminary races, Rebekah Mills ran her fastest times in both sprint races clocking 13.88 over 100m and 28.86 for 200m. Mills also finished eighth in the Discus Throw with a PR throw of 104'6". Gretchen Larson managed her best Long Jump of her life at 15'1.25", Matt Goff and Matt Metz both ran great races in the 110m High Hurdles finishing 16.71 and 16.60, respectively, as Metz qualified for the finals. A starting gun malfunction probably cost Goff an opportunity to compete in the finals, but there was no recall of the race.

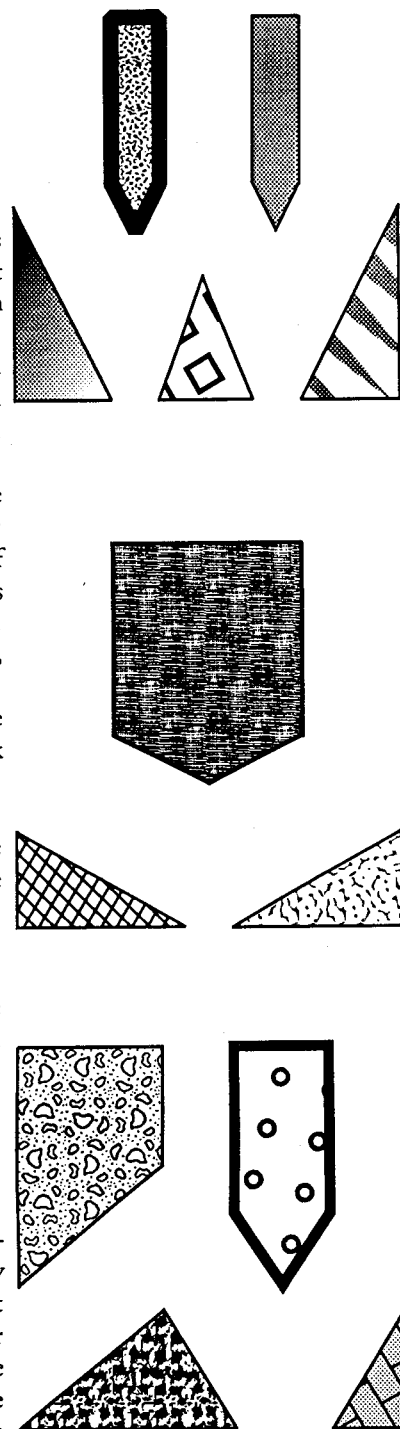
During the 800m qualifying heats, a serious blow was dealt the team when Ned Bowden had to pull out of his race with what was later

diagnosed as a stress fracture in his foot. Unfortunately, Ned could not compete in the finals of the 1500m nor anchor our 1600m Relay Team. Considering that Bowden was listed third in the Conference for 1500m and fifth 800m, he was certainly in the running for *All-Conference* in three events. The team picked up the slack in his absence as Ron Steiger ran a lifetime best for 800m of 1:58.42 and qualified for the finals on Saturday. Tom Meyer also PRed by six seconds with a time of 2:13.25, as did James Dooley in 2:22.97. Cailin Henderson finally cracked the 2:30 barrier as she stopped the clock at 2:29.97 [whew!] in her 800m prelim. Art Greenberg made tremendous progress this season, and as the only Tech entrant in the 400m, he PRed in 52.54. He returned later to set another personal record for the 200m with a time of 24.08. Sprinter Rob Bergeron streaked to a PR in the 200m as well in 23.58 and ran 100m in 11.92, however neither time qualified him for the finals. So, the stage was set for the finals.

Finals

On Saturday, with the sun shining and the Mudd track still muddy but usable, the Championship Meet was switched back over to the slower surface just to give the athletes a little added change. I think it's fair to note here that the SCIAC Conference is the only conference in the nation in the NCAA that conducts its championship meet on dirt. But again, I digress and that sad tale doesn't need to be aired here. Once again, the

SEE TRACK, PAGE 4



This anonymous figure was sent to us a few hours before publication. We have no idea what it is. It might be a clue for a Ditch Day stack, or it might be just a hidden message announcing a party tomorrow. Oh well, you figure it out.

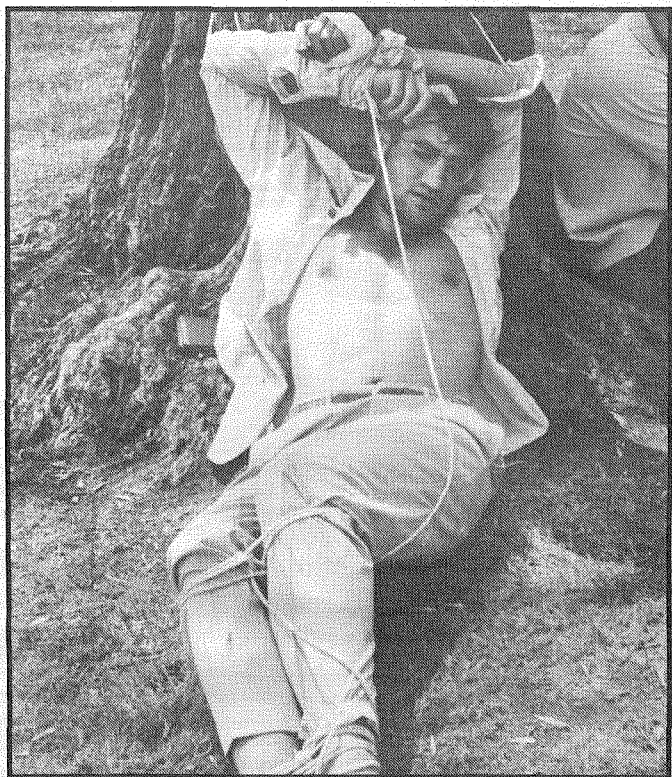
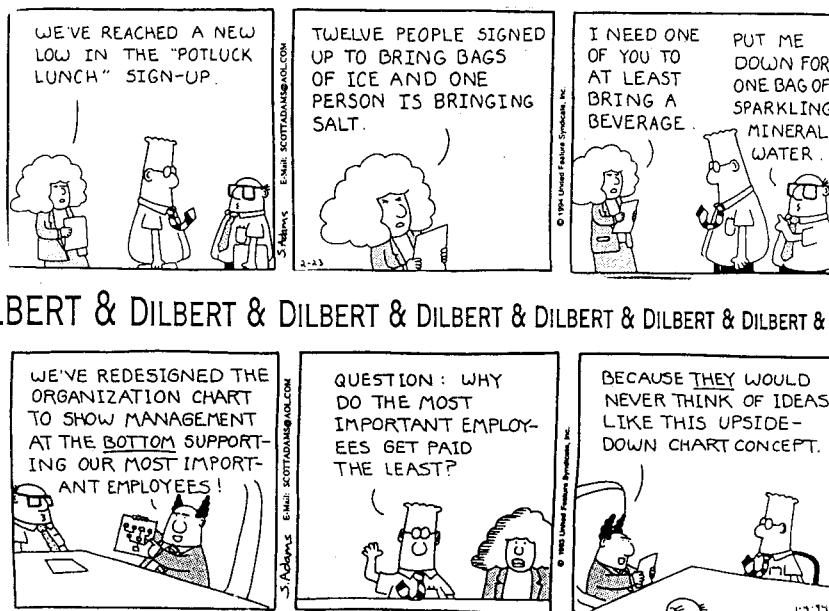


PHOTO BY JONATHAN FISHER

This poor senior got caught by bamboozled frosh during yesterday's fake Ditch Day. The frosh were so convinced, his attempts at explanation were futile.

In This Issue:



DILBERT & DILBERT & DILBERT & DILBERT & DILBERT & DILBERT & DILBERT & DILBERT...

Letter to the Editor

Fear, Loathing Run Amuck

It is nearing 3 A.M. The background hum of the air conditioner manages to pierce through the fog of Wild Turkey and ether and keep me anchored to consciousness long enough to lash this monster into the word processor in time to beat another deadline. My sleep has been troubled for the last week. I don't know if it's the result of bad amyl nitrate, or simply the incessant howling of the banshee screaming for buffalo meat. Or perhaps I'm misinterpreting things here. There are many other explanations. It might be the restlessness caused by enduring the wave of good feeling people have been showering towards Tricky Dick the last couple of weeks. Somebody even had the gall to suggest to me that justice had finally been served. I don't see how slipping away quietly into the night without pain or suffering can be considered justice for the man Raoul Duke once compared to Hitler (an observation that was vindicated by the ringing chants of the Nixon youth at the '72 convention: "Four more years. Four more years"). Some of us won't really believe he's dead until we can dig up his grave and gnaw on his skull. And we still don't know what's on those 18 and a half minutes of tape.

But there's something else that

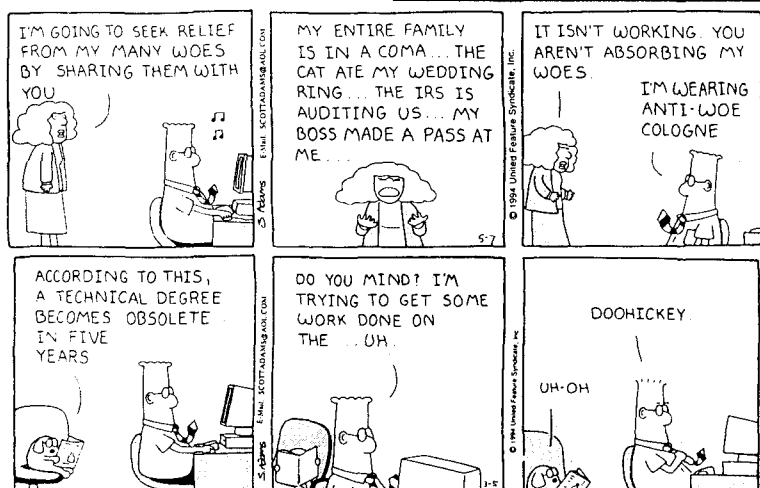
has been on my mind. In last week's Tech some weasel dared to use the phrase "Fear and Loathing" over an article done in the style of John Madden! John Madden, as anyone who pays attention should realize, is a former employee of Al Davis, arguably one of the sleaziest most paranoid figures ever connected to the world of professional football. John Madden was part of the organization that ran Hunter S. Thompson out of its Oakland training facility for daring to print the truth about Mr. Davis and some of his players. I think Hunter would rather rip someone's lungs out than have one of his trademark phrases associated with John Madden's "prose". If I find out who is responsible for this outrage, I'm putting the leeches on them next.

Yours, in fear and loathing,

Daniel Maskit

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

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



Editors' Journal



Opinion

A Liberal's View on Bestiality

by Steven P. Lieske

Many of you who know me are probably well aware that many of the views I have held in the past could hardly be described as liberal. After having read Ms. Brown's most enlightening article in the April 29th issue of *The Tech*, however, I find that my eyes have been opened. The arguments she expressed therein were so convincing, how could I but change my mind? I am a simple man, so I am deeply grateful to Ms. Brown for having gone to the trouble she did to educate me; the only thing that still confuses me is why she did not extend her ideas to their logical conclusion. Perhaps this was relegated to one of the future articles she promised, or perhaps she felt it more practical to administer her opinions in doses small enough for simple folk such as I to comprehend. In any event, as I am not blessed with the virtue of patience, I thought that rather than go on waiting, perhaps I could be so bold as to address a few of these issues myself.

I must confess that the concept of free love was a new one to me. Indeed, I had always believed real love to require so deep a commitment, that by its very definition it could never be free. How relieved I was, therefore, to discover that the same beauty, the same depth of feeling, can be achieved with no personal cost whatsoever. Naturally, this lifted a terrible burden from my mind. Ever since I have redefined love in

this way, I have found that it is indeed available everywhere, free for the taking. Rather than going through the trouble of courtship, rather than risking any kind of emotional commitment, all I need do is locate someone or something which I find sexually arousing.

"...who are we to decide who can and who cannot be in love?"

With love available on such short notice, what need is there for a long-term relationship anyway? I am exceedingly grateful to Ms. Brown for having made love so much easier to find; all it requires is the time and money necessary to procure the services of a prostitute with whom I have no unresolved conflicts.

Unfortunately, as it is only recently that I have become a liberal, I find that I am not yet quite as good at it as Ms. Brown is; on occasion I find myself wondering if this new love really runs as deep as the old love did. As embarrassed as I am to admit it, it does sometimes seem that perhaps there is something missing, that all we have accomplished when we proclaim free love is a poor choice of words. In these moments of doubt, I have even gone so far as to wonder if it

is possible to remove the cost from love without, well, cheapening it somehow. Then I realize, however, that since these are questions that are not easily answered, they are questions which no good liberal should ask in the first place. It would be far better for me to simply accept free love as true love, rather than waste time considering questions such as these.

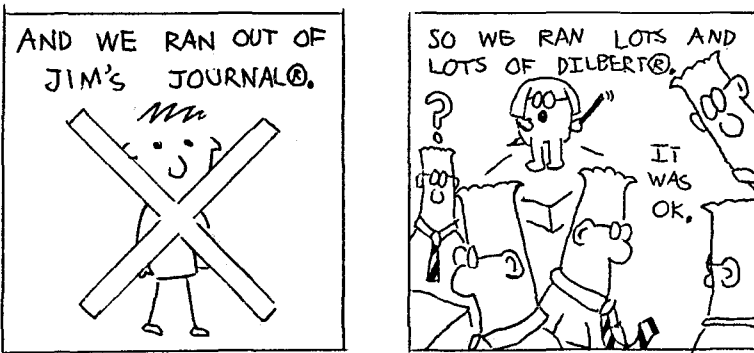
It is true, then, that love is the same wherever and however it occurs, and in whatever form. It is obvious then, as Ms. Brown argues, that love should be recognized as such even when it occurs between two people of the same gender. It is equally obvious then, by precisely the same arguments, that love should also be recognized as such when it occurs between two people of differing species. Love consists of both a physical attraction, and an emotional attachment, reinforcing each other; who are we to decide who can and who cannot be in love? The love felt by a homosexual couple is the same love felt by a heterosexual couple; by the same arguments, it is also the same love felt by an inter-species couple. Who are we to say that attraction between two *homo sapiens* is "normal," while attraction between a *homo sapiens* and a *canis familiaris*, for instance, is somehow "sick" or "wrong?" I myself have never partaken in bestiality, but this is merely a matter of personal taste; society must recognize that it has no right to place limitations

SEE BESTIALITY, PAGE 11



by Wei-Hwa Huang

(based on an idea by Godot)



Editors' Corner

We would like to remind our contributors of our running deadlines for submissions. Several people have inquired as to the times of the deadlines, so here is the list:

Letters to the Editors—5pm Monday
Events and Notices Entries, Unsolicited Articles—5pm Tuesday
Regular/Semi-Regular Columns, Assigned Articles—5pm Wednesday
Art Submission—5pm Thursday

We would also like to remind any and all Techers interested in writing for The Tech to drop by our weekly staff meeting, Friday at

12:15pm in the Coffeeshouse. We have free pizza, free drinks, and the latest news ready to be given out. As you may be able to tell, attendance has been relatively low at the last few meetings.

Our first six issues have seen some very opinionated topics and entries. We feel this is healthy for The Tech as well as for the student body, and we encourage expression of such opinions in the future, providing they adhere to usual journalistic standards.

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 27
MAY 13, 1994

EDITOR-IN-CHIEF
Jeff Denniston

MANAGING EDITOR
(Missing in Action)
Cherish Bauer

COPY EDITOR
Kenneth Lee

LAYOUT EDITORS
Wei-Hwa Huang
Tom Grundy

BUSINESS MANAGER
Dov Rosenberg

SPECIAL ASSISTANT
Michael Graft

ILLUSTRATIONS EDITOR
Annaliese Beery

CIRCULATION
Rebekah Mills
Wei Lin

STAFF WRITERS
Toby Bartels
Margaret Belska

Zack Berger
Ross Brown
Connie Chang

Jeff Goldsmith
J. Random HercFrosh III

Wei-Hwa Huang
Michael Kantner

Lauren
Laurent Stadler

Adam Villani

CONTRIBUTORS
David Derkits
Tom Dmukauskas

Flora Ho
Mitra Hartmann
Axel Kratel

Sakae Suzuki
Sam Webb
Charles Witham

PHOTOGRAPHER
Richard Zitola

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 1/2" 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. All articles are the property of the authors. Authors and columnists retain all intellectual property rights.

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.

ASCIT MOVIES

7:30 and 10:00 pm
Slide on over to

Baxter Lecture Hall

Friday, May 13

STILL \$ 1.50 for ASCIT mems

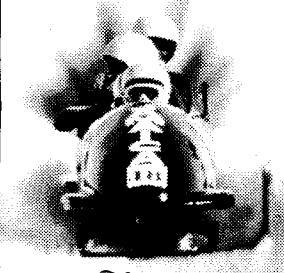
ONLY \$2.00 for all others!

Coming next week: THE
JOY
LUCK CLUB

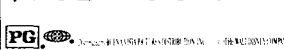


JAMAICAN BOBSLEDDERS?

A Comedy Inspired
by the First Jamaican
Bobsled Team



Disney's
COOL RUNNINGS



Bridge Without Sam Eureka

by Jeff Goldsmith

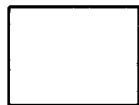
Playing in the last round of a local matchpoint game against the second best pair in the field, I get to play a hand for glory only because both pairs have no chance. LHO deals and opens 1♣, which is passed around to me.

♠AQ10632 ♥KJ10 ♦Q10 ♣74

My partner is an expert, but we do not play together much, so we have no agreements about balancing. Fortunately, Standard has a bid for this hand. A reopening jump overcall shows about 11-15 HCP and a good six-card suit. This hand certainly qualifies, so I bid 2♠.

Partner bids a slow 2NT and I have a problem. 2NTought to be natural and invitational to game, but we are not on firm ground here, so I make a "safety" bid of 3♠. Partner announces, "It's my turn, 4♠," and they lead the ♠A.

NORTH
♠ 954
♥ A53
♦ K83
♣ K1092



SOUTH (Me)
♠ AQ10632
♥ KJ10
♦ Q10
♣ 74

LHO wins this trick and continues with the ♠Q, which I win, RHO following up-the-line.

I have two aces to lose and problems to solve in both trumps and hearts. The normal way to play this trump suit is to finesse the Queen and then play the Ace. That is the best line for the largest number of tricks, and this is matchpoints. This time, however, there are only 18 HCP out there, so it is possible that RHO has the ♠K, but I doubt it since he passed his partner's opening bid. Can I find out? Maybe. At trick three, I play a diamond to the Queen. It holds. Unless LHO (who appears sleepy) has ducked this, which is a very dangerous play for her, it seems as if RHO has the ♦A, which means that he cannot have the ♥Q or ♠K. Just to be sure, I continue with a second diamond, the ten. LHO, looking bored, covers with the Jack in tempo. What is going on? She has the J9, but not the Ace, I am sure. Maybe she will do something helpful, so I duck the diamond Jack. Righty gives this some thought, but ducks as well. LHO shrugs and continues diamonds, which I ruff as RHO plays the Ace. When I cash the trump Ace, both follow, so I have no alternative to continuing with a small trump. They are 2-2, with the King offside, as expected. When both follow to the trump, I can claim without worrying about the marked heart finesse, since LHO is endplayed. Making four, for a near top.

It looks as if 3NT would have gone down on a diamond lead, though it is not clear we would have received one. Well, the play's the thing.

The Caltech Bridge Club meets every Monday night at 7:15 in Winnett Lounge. Everybody is welcome; Call Jeff Rawlings at x3924 for details.

IHC Minutes for May 9, 1994

by Dennis Ugolini

Present: Stanley Grant, Dennis Ugolini [Ru], Mike DeBar [LI], Mikey Ng [Pa], John White [Fl], Jim Murdoch [Da], Kevin Boyce [Ri], James Honaker [Bl], Kim West

HOUSING

Kim West asks how the on-campus picking process is going. Ruddock, Ricketts, and Lloyd are finished, and Blacker will hold theirs on Tuesday. Kim also says that she read previous minutes in which the IHC discussed adding extra pages to the house propaganda sheets, and says she would be happy to pay for these.

Kim presents the Student House Rules list that incoming freshmen sign and that are on file for all current students. The list has grown over time, but Kim has updated it, removing such outdated clauses as disallowing parking on the Olive Walk. Her current question is whether we need the House Rules form, what should it say, and how much of it is covered by the Honor Code.

The new list that is signed by incoming freshmen has five major points:

1. Students shall preserve an atmosphere conducive to studying in Caltech housing.
2. No intentional destruction of Caltech housing and property is permitted.
3. Students must abide by the DAPAC and Hazing Policies.
4. Students shall not keep firearms, fireworks, or explosives in Caltech housing.
5. The Director of Residence Life and the Director of Housing, as well as designated subordinates, reserve the right of entry into Caltech housing rooms in the event of an emergency.

Each point is discussed individually, and a consensus is reached that points 1 and 2 are Honor Code issues, points 4 and 5 are Housing issues and should be added to the new Housing contract, and point 3 is the responsibility of Residence Life. But the DAPAC and Hazing Policies are binding by law whether or not students sign the Rules form, so it is determined that as long as incoming freshmen are properly notified about these policies, no release form is necessary. Kim West agrees that the Student House Rules form is thus not needed and that she will inform Tom Mannion of the requested additions to the Housing Contract.

TENNIS

Mikey repeats Laura Verhoff's concern from last week that while the Interhouse Tennis rules require that one match be played by women, it does not specify singles or doubles. Discussion ensues; some want the rule clarified to a singles match only, some like the flexibility of the current rule, and some wish to talk to their Athletic Managers. Mikey is asked to have Laura prepare a rule change proposal for next week, and the presidents will talk to their respective Ath Teams.

SFC APPOINTMENTS

We have thirty people to interview for the Curriculum and Freshman Admissions committees on Tuesday. There is a consensus to keep our current format but to move appointments up to 7:30 p.m. so as not to call in some candidates too late at night. The Blacker candidates will also be taken care of first since they have room picks to attend.

BRIDGE PROGRAM

John White expresses a willingness to host the Bridge Program. Dennis says that Ruddock will be required to host the entire YESS program, and after the participants leave, ample room will be left for the Bridge students. Blacker offers to house Ricketts members during renovations; summer housing picks are discussed, and several houses mention that they must give settlers rights to their members.

DISCOBOLUS

Page defeated Dabney in kickball. Blacker challenges next.

MEETING ADJOURNED

Do you know why there's no Dilbert® here? It's because we think it's more important to tell you to come down to the Coffeehouse TODAY, at 12:15 P.M., to

WRITE FOR THE TECH.

At this rate, we're running out of Dilbert® fast, and we're going to have to move into Jim's Journal soon...

CUT & SAVE!!

Spring Garden Chinese Restaurant

Mandarin & Szechwan Cuisine—Best in Town!

LUNCH & DINNER

Lunch Special

Monday-Friday, 11:30-2:30 P.M.

5% discount with Caltech ID

CATERING & FOOD TO GO

Beer • Wine • Banquets

AMPLE FREE PARKING

187 N. Sierra Madre Blvd., Pasadena, CA 91107

(818) 796-2531



PlaySPORTS* Win \$25,000

Trade imaginary shares of major league baseball teams over the Internet using the exciting *new*

*SPORTS Online Remote Trading System

Only \$89.00 for a Seat on the SPORTS* Exchange
No Brokerage Fees

\$\$\$ Cash Prizes for 25 Winners !!!

For more info send e-mail to: sports@panix.com and include "sports" in the body of the message.

YNEWS

by Toph Hunter

Hey, folks. International Week is almost over, but don't forget all the cool stuff going on today! Check out the Olive Walk for cultural and ethnic excitement all afternoon long. As for next week, mark these down on your calendar:

Monday and Tuesday: The Y will be sponsoring two meditation seminars from 7 P.M. to 9 P.M. in Winnett Lounge.

Thursday: The Distinguished Speakers Series brings Arlene Blum to Caltech. Ms. Blum has climbed extensively throughout the Himalayas, and she led the first all-women

climb of Anna Purna. She will be speaking in Baxter Lecture Hall at 7:30 P.M.

Friday: David Harris will give a Noon Concert in Winnett Quad.

Next Saturday Night: Boffo Bonecrusher Broomball! [Broomball, Broomball, Broomball...](“How'd he do that?”) From 12:15 A.M. to 4:45 A.M.

For the Future: YHikers! Anyone who would be interested in participating in the 1994 Y Hike from September 11-18 should contact me in Blacker room 40 or Chris at the Y, x6164, for information and an application.

CETF News

from the Caltech Environmental Task Force

Please send in your environmental questions, concerns and comments to: cefers@cco.caltech.edu, or to CETF, MC 251-18. CETF meets every Monday at noon in the Judy Library (110 Baxter Hall). All are welcome!

Ecology Class

We are trying to do a preliminary survey to determine whether there is significant interest in having an ecology class on campus. If you would be interested in taking such a class, please send email to cefers@cco.caltech.edu.

SEAC Conference Planned

CETF is beginning to work with the Student Environmental Action Coalition (SEAC), in order to network with environmental groups at other Southern California universities, colleges, and high schools. SEAC is a national organization, with many local chapters. This past weekend members of CETF went to Long Beach to meet with students from other schools and to discuss environmental issues relevant to Southern California. We are planning a statewide SEAC conference to be held in Long Beach in October. We'll have workshops on transportation, pesticide use, and on a variety of local issues. Keep your eyes on the CETF column for more information!

Environmental Talks

From May 3 through May 28th All

Saints Church in Pasadena is sponsoring environmental talks every Tuesday night at 7:00 pm, and some field trips on Saturdays. The location is: Higher Grounds Coffeehouse (across from California Pizza Kitchen on North Los Robles):

Tuesday, May 17:

"Paradise Burning"

We will take a look at the chaparral and other ecosystems, and how we've altered habitats to the detriment of other species and ourselves. Join Dan Silver, Director, Endangered Habitats League, to learn about multiple species planning efforts.

Tuesday, May 24:

"Hahamonga — Flowing Waters, Fruitful Valley"

Join Tim Brick, a member of the Board of Directors of the Metropolitan Water District and principal with the Arroyo Seco Council, to discuss the watershed and the plans for restoring the Arroyo. Tim will talk about his collaborative work with the Gabrielino people in the dream of managing the watershed, rather than controlling nature, and restoring the Arroyo.

Saturday, May 28:

Join Tim Brick for a hike in Hahamonga Park (Details to be Announced)

ASCIT NEWS

- **Positions** on the SURF Student Advisory Council are still open (sign-ups are posted on the east side of Winnett). Applicants must either have had a SURF or will have one this summer. The deadline for sign-ups has been extended to 5:00 PM on Friday 20 May.

- **Funding requests** for BDR, the Ru-Pa-Fl Party, the Lloyd Arctic Blast Party, and the Tanning Invitational have been referred to the ASCIT Executive Social Committee.

- This coming week, the BOD will continue to visit the **Houses for dinner** and after-dinner discussion. Ricketts on Monday, Page on Tuesday, and Ruddock on Thursday.

- **Clubs** are reminded to pick up their third term funding this term. Contact the ASCIT Treasurer or come to the weekly BOD meeting.

- ASCIT is preparing a **poster** to display undergraduate life at Caltech for **Alumni Seminar Day**. If you have **pictures** or **quotes** which you would like to submit for this poster, please contact Angie Bealko (pres@ascit).

- The GSC/ASCIT/Administration Committee has been created to serve as a means of discussion and communication of common concerns between the three groups.

- President Everhart has created a new **committee** to address **concerns** students may have with Student Affairs administrators or policy. If you have concerns, please contact

Angie Bealko or another member of the BOD.
- The **ASCIT Formal** is tonight. If you have any last-minute questions, please contact Chris Marsh, the Director for Social Activities (socdir@ascit). It is too late to sign up.

- The **Special Topic** at the last meeting was the **club funding policy**. It was decided to continue the policy of funding the general budgets of clubs. Early first term, clubs will be able to request general budget funding for first and second terms.

- This coming week's Special Topics are the **ASCIT Donuts** and the **Election Procedures**.

- The Board of Directors meets weekly, every Wednesday, at 7:30 PM in the ASCIT Office, SAC 64. Meetings are open to all members of the Caltech community.

- Individuals with **funding requests** should come at the beginning of the meeting, preferably with a handout which lists such items as a summary of the event, the event budget, the amount requested, and the contact person.

- Please bring **15 copies** of handouts to meetings of the Board of Directors.

- Copies of ASCIT BOD **Minutes** are available by mail or e-mail free of charge on request to students, faculty, and administrators. Requests should be sent to Secretary, ASCIT 64-58 or sec@ascit. The Minutes are available in the House lounges and on caltech.ascit.announce.

Track Team at SCIAC

FORM PAGE 1

Techers had their act together and posted outstanding marks. Gretchen Larson got off a Triple jump of 33'11", establishing a new *school record*, missing *All-Conference* by a mere inch and a half. She barely missed scoring on the High Jump, also tying for seventh at 4'7". Gretchen Larson will be a force to be reckoned with at SCIAC in the future! Rebekah Mills took her game to a new level with a heave of 35'8.25" in the Shot Put to claim *All-Conference* honors, as well as setting a new *school record*. Amy Oldenburg once again came through for the team in the Javelin Throw with a sixth place *All-Conference* throw of 100'4". Oldenburg has clearly established herself as the premier thrower in the history of the women's track program at Caltech with three individual *All-Conference* performances while also owning the *school records* in those events.

The men's 400m and 1600m Relay Team, comprised of the same four individuals, surprised a few of our SCIAC opponents with two stellar *All-Conference* races, garnering

fifth place in both. The members of those teams were Adrian Hightower, Ron Steiger, Art Greenberg, and Rob Bergeron. Steiger was edged out in the 800m for sixth place in the conference by two seconds after running a game race. He will complete his season at the Oxy Invitational Meet this Saturday night. Tom Meyer ran another PR of 4:33.9 in the 1500m final and Cailin Henderson ran her best time over the 3000m in 11:34.7. The 5000m final provided some high drama as Andy Zug was vying for another *All-Conference* slot and came from thirteenth place to sixth during the final mile, only to be passed back at the tape. He had to settle for seventh by half a second with his best time of the year, 16:20.73. Again, Jesse Shue ran a strong effort of 17:09.9 as he chased Zug around the track.

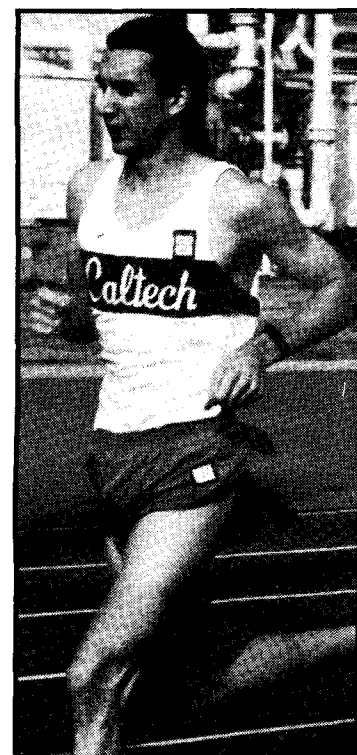
Matt Metz got into the 110m High Hurdles as the last qualifier and then proceeded to tear through the field to steal sixth place by one-hundredth of a second in a photo finish to capture *All-Conference* honors in 16.55. Metz also threw the Javelin, but didn't qualify for the final, and he ran a dramatic 400m Intermediate Hurdles race where he tripped and fell to the muddy turf at the fifth hurdle when he was solidly in fourth place, jumped back and finished the race, missing *All-Conference* by only two seconds. That was one gutsy performance! Adrian Hightower just ran out of money in seventh place in 62.30 seconds, missing *All-Conference* by a tenth of a second. Matt Goff had a great day on the high jump pad with a PR effort of 6'1" for eighth place, a good way to conclude his year considering an injured hamstring muscle. Also, Ben "Loose Cannon, Jr." Siron made tremendous progress this year in the Pole Vault, completing his season with a new PR of 11'9", which is over two feet higher than when he started this year.

Congratulations are in order to all of the Beaver competitors for a very fine season. The men finished the season with a winning season for the ninth year in a row at nine wins and seven losses. The women had a great season as well with seven wins against nine losses, and several of those came down to five points or less. In the final standings within SCIAC, the men finished sixth in the Conference and the women placed seventh. At the SCIAC Championships, our men defeated Cal Lutheran and our women defeated Whittier. Next year, we will be moving up the standings with the strong young nucleus that we have built.

Much of the reason for the individual success and team accomplishments can be traced back to the supportive and talented Assistant Coaches. I join the entire season in thanking Donna Mayhew, Jennifer Stary, Craig Hagan, and Frank Little Hinckson. Thanks!



Rebekah "Zippy" Mills shows her sprinting prowess in the SCIAC Championships.



Andy Zug streaks into fourth place in the 3000-meter Steeplechase at SCIAC.

BIG CALTECH DISCOUNTS



Political Satire at its Best!

Friday, May 13, 1994 / 8 p.m.
Saturday, May 14, 1994 / 8 p.m.

Beckman Auditorium

• Caltech Students: \$7.50
• Caltech Faculty & Staff:
\$15.00 - 13.75 - 12.50

PACO A. LAGERSTROM CHAMBER CONCERTS
in Dabney Lounge

Guitarist

DARRYL DENNING

Sunday, May 15, 1994 / 3:30 p.m.

Beckman Auditorium

Admission: FREE

Visit the Caltech Ticket Office Today!

CALTECH public events 1993-94 SEASON

CONTEST CORNER

Results and Answers Cross-Number Puzzle

1	9	6		
7	3	4	4	1
2	2		9	1
9	8	1	1	0
		5	3	5

$$x=14$$

There were a few points of contention about this puzzle. First, to get any headway on this puzzle, entrants had to know Ramanujan's number, 1729. As the story goes, the mathematician Hardy was visiting Ramanujan in the hospital, and Hardy remarked on the dullness of the number of the taxicab he had arrived at the hospital with. Ramanujan's eyes lit up, and he stated that no, no, 1729 was not dull at all; it is the smallest number expressible as the sum of two cubes in two different ways, in this case 10^3+9^3 and 12^3+1^3 . This may seem obvious to those who have noticed the similarity between $12^3=1728$ and $9^3=729$, but what is more amazing is that Ramanujan knew it was the *smallest* number. Curiously enough, the second such number is virtually

unknown. Can you find it? A more interesting anecdote is that a student actually posed the question "What is Ramanujan's number?" to Professor Richard Wilson during a mathematics lecture after this article aired.

I also hinted that "a matter of interpretation may be needed for one clue." This was referring to clue 6 down, which said "a multiple of x minus 1." This could be interpreted as "one less than a multiple of x " or "a multiple of the number smaller than x by one." The trick was that it had to be interpreted *both* ways, leading to 1105, a multiple of 13 and one less than a multiple of 14.

Another argument was that although grid "numbers" could not start with zero, was the upside-down "number" referred to in 9 across not allowed to start with a zero? This would seemingly disqualify the number 98110, since when turned upside-down it reads 01189, which starts with a zero. But since the actual clue did not actually claim 01189 to be a "number," but rather just "look like a number," 98110 is a valid entry.

The \$10 winner, Mitesh Patel was chosen at random from the six correct entrants. Eleven entries were received—by far the most any *Games & Puzzles* contest has received.

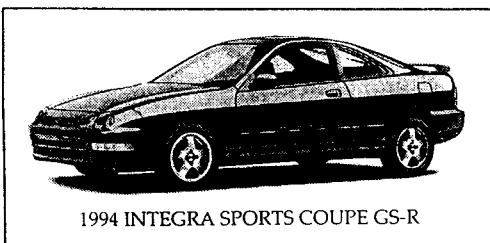
This Week's \$10 Contest

Tell me as many solutions as you can for this week's physics problems. Submissions will be judged by ingenuity, comprehensiveness, completeness, and overall elegance. Not all questions must be answered to win, but it helps. Any spectacular solutions (for instance, ones I didn't think of) will be printed in next week's *Tech*.

To submit, send your solutions by **e-mail** only to gp@tech, and how you may be contacted by phone *and* by mail. Entries must be received by **May 11, 8:00 P.M., 1994**. You may enter more than once, but entries must be mailed separately. All members of the Caltech/JPL community are eligible, except for me.

Acura of Pasadena

Attention Graduates!



1994 INTEGRA SPORTS COUPE GS-R

Reward Yourself!!

Let us know that you're a Caltech student for remarkable savings on all our new and used vehicles!

**Contact John Zachman at
Acura of Pasadena
1285 E. Colorado Blvd. Pasadena 91106
818-792-7979**

Games & Puzzles

The Puzzle Universe: Part II

by Wei-Hwa Huang

It's time for part two of those physics questions that require that leap of ingenuity to solve correctly. Here's a new batch of eight puzzles:

1. DOUGHNUT HOLE

Let's start with a simple problem. A metal torus is heated. Does the hole get larger or smaller? Why?

2. BALLOON RIDE

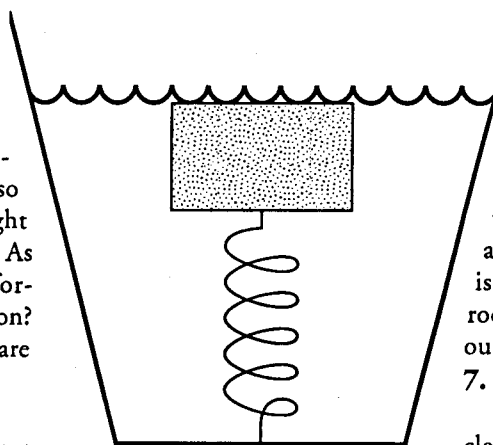
The Jones family is leaving the parking lot of Disneyland, and little Rudie is holding a helium balloon in the back seat so that the balloon is going straight up, not touching the ceiling. As the car suddenly accelerates forward, what happens to the balloon? Does it matter if the windows are open?

3. THE CENTRIFUGE

Most biologists and quite a few chemists have used centrifuges. All of these people know that it is never a good idea to put just one sample tube into the centrifuge because it creates an imbalance when the centrifuge is spinning (sort of like an imbalance washing machine, only stronger). However, if we put two tubes in, we could put them opposite each other, allowing them to balance. Suppose we have a twelve-space centrifuge. For what number of tubes can we find an arrangement to balance the centrifuge, and what are these arrangements?

4. DROP THE BUCKET

We all know wood floats in water (well, most wood). Let's say we have a piece of wood in a bucket of water that's trying to float, but held just below the water's surface by a spring. (See the diagram on this page.) Drop the bucket from a large height. What happens?



5. CM COLA

Everybody knows that the closer the center of mass of an object is to the ground, the more stable it is likely to be. If we consider a full can of soda pop (assuming it has about the same amount of metal at the top as the amount of metal on the bottom), we can guess that the center of mass is at the center of the can. However, as we start drinking the soda, the center of mass starts to go down. But since the center of mass is back to the center of the can when the soda is gone, there must be a lowest

point of the center of mass. How much soda do we need to drink to get a lowest center of mass? What sort of information do we need to know to calculate this? Or is there some simple way to figure this out with an actual can?

6. MUTUAL ATTRACTION

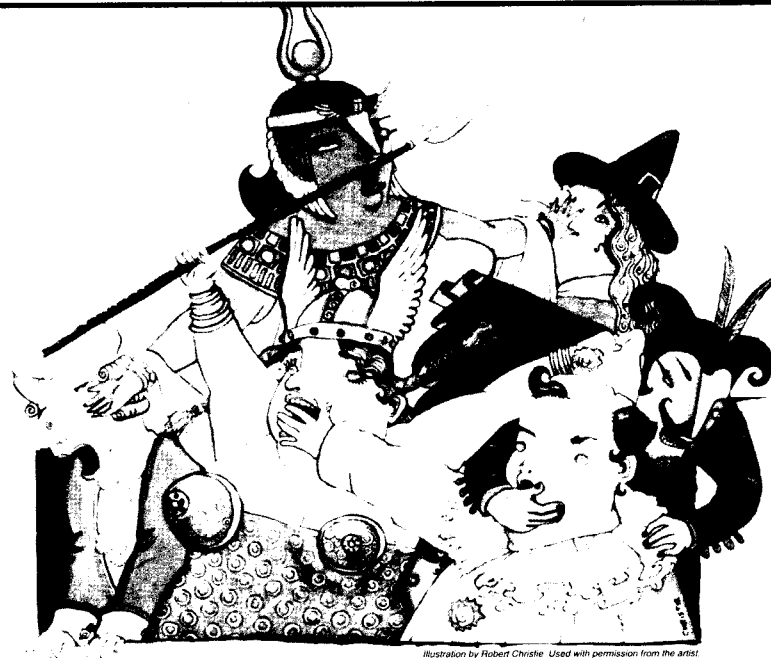
You are kidnapped by evil psychologists and placed in a room with two identical-looking iron bars. One is magnetized, the other is not. You have no form of metal on your body (they even pulled the gold fillings from your teeth, although gold isn't even attracted by magnets!), and there is no metal you can see in the room either. How can you find out which bar is which?

7. GETTING JUMPY

If a man can high jump and clear a six-foot bar on Earth, what's the highest bar he might clear if he were on the moon? (This is assuming, of course, that we manage to give him some form of air supply that doesn't hinder his mass.) How about if he were pole vaulting? For a bonus, describe what would happen if we had an entire Olympic Decathlon on the moon.

8. SLIP & SLIDE

If you were placed in the middle of a giant frictionless surface (say by a helicopter), how would you get off? This problem probably has many solutions; give as many creative ones as you can.



The Caltech Men's and Women's Glee Clubs

present **A Night at the Opera**

featuring
**Gilbert & Sullivan's
"Trial by Jury"
& favorite opera choruses**

Friday, May 20 & Saturday, May 21
8:00 PM in Caltech's Dabney Lounge

General Admission \$7.00
Early response recommended due to limited seating.

Caltech Student Admission \$5.00

Caltech Ticket Office
332 S. Michigan Avenue
Pasadena, California 91125
(818) 395-4652
or (800) 423-8849
or fax (818) 577-0130

DeVera Leaves After 24 Years As Houses Cook

by Craig Sarazin

After 26 years service as an Institute cook, Frank DeVera has taken an indefinite leave of absence. He is leaving because of failing personal health.

Frank served as a cook in the old house kitchen complex since World War II. He was very well liked by the people who served with him and by the waiters in the old houses.

His co-workers took a collection and bought him a silver platter, which they engraved "In Deepest Appreciation — Frank DeVera." They had planned a party for him when he left, but Frank was unable to attend.

Frank's talented dedication to his work was very obvious to his superiors, Don Williams called him "our best cook." Williams' assistant added, "He is one wonderful cook, and on top of it, he is a real nice guy."

In spite of his many years of dedicated work for Caltech, the Institute itself has made no effect to give Frank DeVera the recognition he deserves.

**75 & 25
Years
Ago**

ARC This Summer!

Exciting Jobs Opened

by John Bennett

Looking for summer employment? Why not join with other happy ASCIT Research Project researchers as they bask in the warm California sunshine, frolic amidst Chaparral, poison white mice, and explore the blue depths of the Pacific

Last February, a proposal was submitted to the offices of the National Science Foundation for funds to employ 56 student researchers in coeducational, student-directed research. The proposal describes seven projects in air pollution, oil pollution, and a study of the ecology of chaparral after forest fires. Another goal of the summer research would be a book *Man and the Environment* presenting an over-

view study of pollution problems: scientific, economic, and legal. Typically, arrangements of cooperation are being established between Caltech students and USC students who are publishing a survey of pollution law.

At a meeting held last Friday, committees were formed to set up an organizational structure, arrange for accommodations and laboratory space, and reply to the many applications from other students across the country. Unfortunately, NSF will not say until June 1 whether it will approve the entire proposal, so much of this work is being done in advance of final affirmation.

If you are interested in summer research, bring your lunch to a meeting tomorrow at noon in the Lloyd House Conference Room, or leave your name with Mrs. Nash, ARC Secretary, in room 204 Winnett.

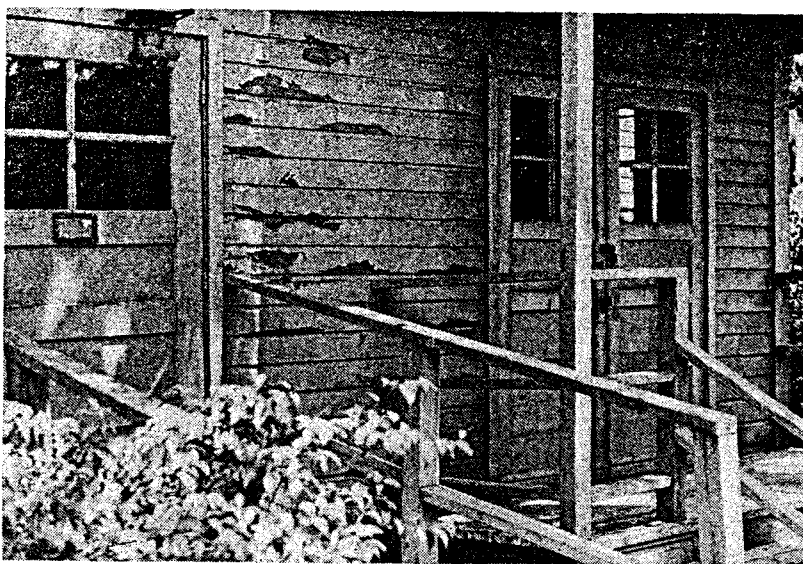


photo by Dash

Urban renewal comes to Tech as T4 approaches its fitting end.

SOPHOPHANS HAYRIDE

The Sophomore committee, all the way, is betting its reputation against a horse in a doughnut that it has been a loss, long time since a Soph has been on a hayride. The Sophs are most modern, up-to-date fellows and don't fool along with a hayrick when Mercers, Fords and Chevrolets are to be had, but when it comes to a matter of having a good time—well, leave it to them to find the way, and the way this time has been chosen to be a hayride.

The lot of a hayride carries us back to the days of our youth when Sunday Schools and C.E.'s (not Civil Engineers) entertained us with a hayride, usually on a tractor truck. But the class of '21 plans to outdo all these youthful attempts and show its members a regular old-fashioned, country style hayride, with honest-to-goodness hay ricks, real horses, and genuine old down eastern farmers for drivers. Now with a combination like that there is no doubt but what the night of the hayride will be a night long to be remembered by the Sophomores.

And that isn't all! Don't think for a minute that the committee has forgotten the safe. No, sir! The chairman is in fond of them himself to forget them for an instant. The only thing troubling the committee on this question is the capacity of the average Sophomore for wieners and marshmallows. They would not for a moment have one Soph away other than felt, so careful committees are taking place to assure plenty for everyone. But just for safety's sake the committee is asking that each couple bring along a light basket lunch. We can ask Max to provide that if he wants to risk it.

Well, to be a little more definite—the committee has set the date as May 22. The crowd will meet at the end of the Lincoln Avenue car line and will board,

BEUSCHLEIN SPROUTS A MOUSTACHE

The Senior class, namely one called Beuschlein, is growing a moustache. The reason thereof is this. The Senior class has been gravely insulted several times. People have called it a Sophomore or Freshman several times. Therefore Beuschlein is taking drastic measures to retain his waning dignity. He says that if this moustache does not have the desired effect he intends to grow a Van Dyke like "Fig Fig's."

LIEUT. BJERKE, ANOTHER THROOP HERO RETURNS

Engineer Officer Welcomed at Throop After Two Years Absence Overseas

Lieut. Clarence M. Bjerké paid us a visit last Monday, after an absence of almost two years. During most of that time he has been "over there," and has three gold chevrons to show for it. Like most real soldiers he is very modest, and we had a hard time getting any dope on him, but finally we bothered him enough to get his record.

He enlisted June 1, 1917, in Company "B" of the California Engineers, and went overseas Oct. 18, 1917, with the Rainbow Division, arriving at St. Nazaire, France, Nov. 1, 1917. He was appointed a sergeant, first class, Nov. 19, 1917. After a number of months of fighting he was sent to the A. C. E. Eng. Section, at Langres, France, where he was commissioned Second Lieutenant of Engineers, Sept. 25, 1918, and assigned to 117th Engineers, 42nd division.

The Lieutenant has been thru quite a number of campaigns, and "minor affairs" as he calls them, the main ones being the Itacarrat and Luneville Sector, the Champagne-Marne Defensive, the Aisne-Marne Offensive, and the Meuse-Argonne Offensive. After the armistice, he was with the Army of Occupation, and stationed in Mychons for four months. He left Oberwinter, Germany, April 11, 1919, and arrived in Boston April 28, 1919. He was offered a commission in the regular army, but preferred to get out now that the work is done.

The Lieutenant told us that over there, the divisional engineers were considered divisional reserves, and whenever the ranks were thinned, the engineers were called on to fill gaps in the front line. They had to go "over the top" along with the doughboys, so if an engineer expects to last very long, he has got to learn to be a good infantryman first. The Lieutenant has not yet decided just what he will do, but we all sincerely hope that he will be with us for awhile.

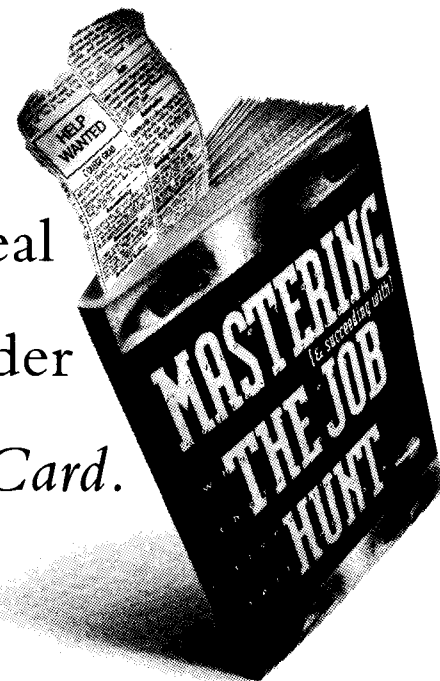
Throop Tech,
May 14, 1919

The California
Tech,
May 8, 1969

You may even get paid for reading it. After all, this book from

MasterCard® offers lots of useful tips on finding a real job, and it's written for students by students. To order your copy for \$9.95, call 1-800-JOB-8894. MasterCard.

It's more than a credit card. It's smart money.





U.S.

Presently, Clinton is considering the possibility of utilizing U.S. military aircraft to enforce a U.N. embargo on air traffic through Haiti. The United States is against the current Haitian regime.

South Africa

For the first time blacks were sworn in at new provincial legislatures in South Africa on Saturday. Nelson Mandela was the new Parliament's unanimous choice as President.

Panama

In Panama's first presidential election since the U.S.'s invasion to throw out Noreiga, there appears to be two primary candidates drawing votes. One is supported by the party that supported Noreiga and the other is salsa star Ruben Blades. Ernesto Perez Balladares, who is supported by Noreiga's party, emerges as the presidential victor.

Russia

Russia's ex-vice President Alexander V. Rutskoi began a campaign to stop Boris Yeltsin's presidency. The campaign for a replacement is supported by "hard-liners".

OLD YMCA
BARBERSHOP & STYLING SALON
HAIRCUT \$5.00
FOR ALL CALTECH STUDENTS,
FACULTY, AND STAFF—MEN AND
WOMEN
235 E. HOLLY 578-9819

Paris
NON-STOP
\$325*

London \$299
Amsterdam \$315
Milan \$380
Sao Paulo \$375
Tel Aviv \$479

*Fares are each way from Los Angeles based on a roundtrip purchase. Restrictions apply and taxes not included. Call for other worldwide destinations.

Council Travel
Open Saturdays 10am - 2pm
1093 Broxton Ave., Suite 220
Los Angeles, CA 90024
1-818-905-5777
Eurailpasses issued on-the-spot!

the Haircutters

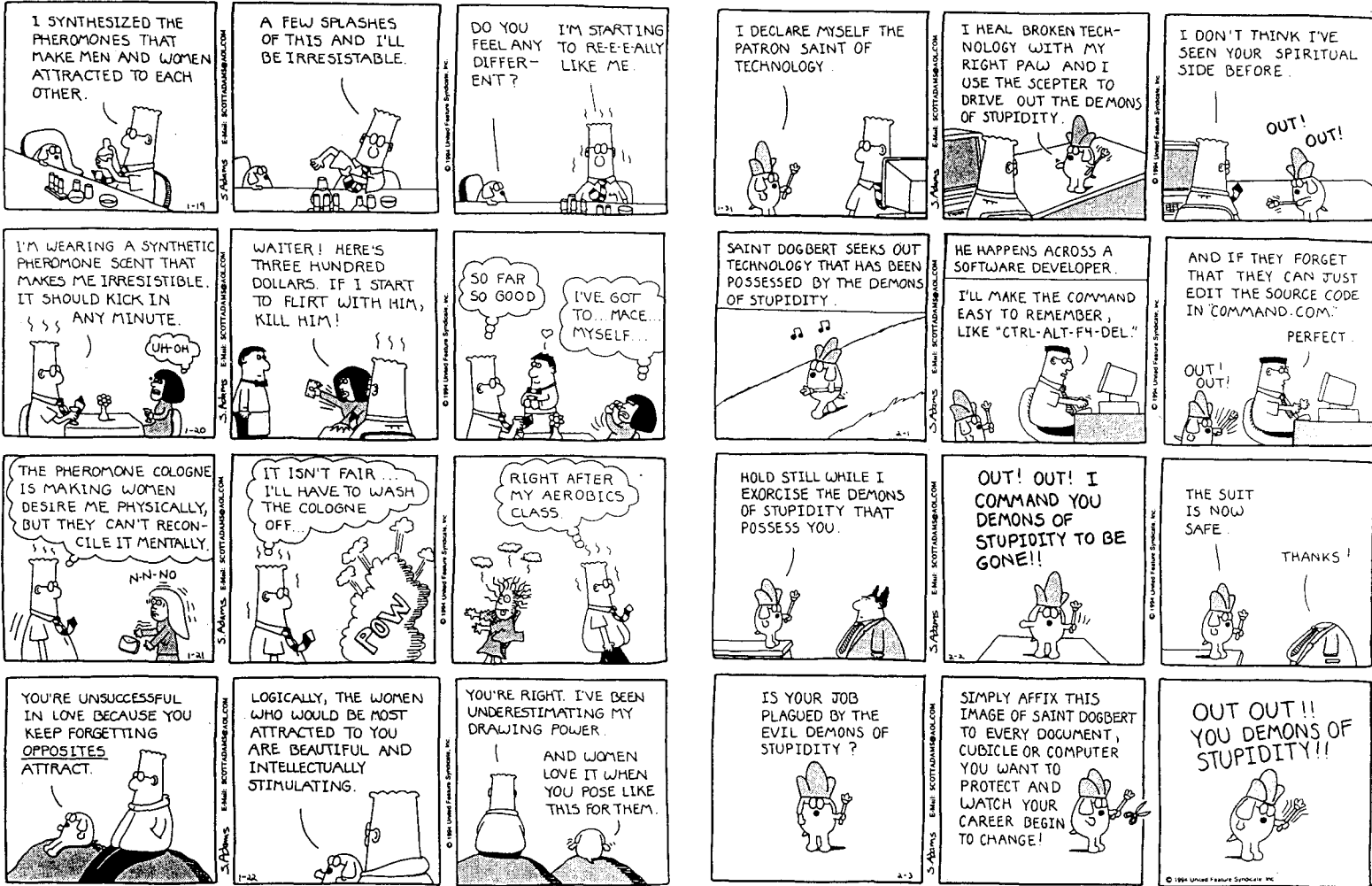
Caltech students—
Save 20% with student ID
on shampoo & style cut

MEN \$16 (regular \$20)
WOMEN \$20 (regular \$25)

(818) 449-1022
(818) 449-6967

1009 E. Colorado Blvd.
Pasadena

Offer expires June 30, 1994



Hewlett-Packard Workstations
for
California Institute
of Technology

SERIOUS PERFORMANCE!
SERIOUS PRICES!

New 712/60 and 712/80 Available Now!



UTILIZE YOUR •FREE• HP EDUCATION SOFTWARE SITE LICENSE!

Hewlett-Packard Series 700 Workstations: Technical Summary and Pricing

Performance:	712/60	712/80	715/75	735/125
MFLOPS (DP)	12.8	30.6	31	57
SPEC INT92	58.1	84.3	80.3	135
SPEC FP92	79	122.3	126.8	201
Memory Capacity	128MB	128MB	256MB	400MB
Xmark/X11	5.9/1.1M	8.2/1.45M	7.7/1M	9.4/1.2M

Special.....Educational Pricing w/Color Monitor and Keyboard:

	Net	Net	Net	Net
15", 260MB Disc, 16MB Ram	\$ 2,989	n/a	n/a	n/a
17", 260MB Disc, 16MB Ram	\$ 3,753	\$ 5,735	n/a	n/a
17", 1GB Disc, 32MB Ram	\$ 5,624	\$ 7,607	n/a	n/a
17" Hi-Res, 1GB Disc, 32MB Ram	\$ 5,885	\$ 7,867	n/a	n/a
19", 1GB Disc, 32MB Ram	\$ 6,925	\$ 8,907	\$ 8,583	\$19,552

Up to 20% additional discount with eligible trade-in.

All prices subject to change.

For ordering information, call Linda Thornton (714) 758-5759

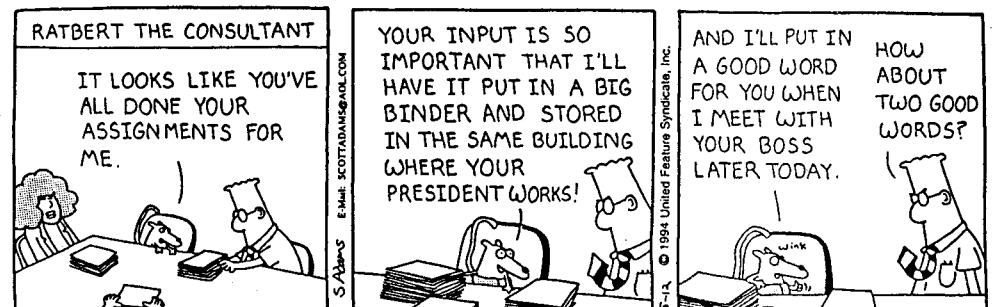
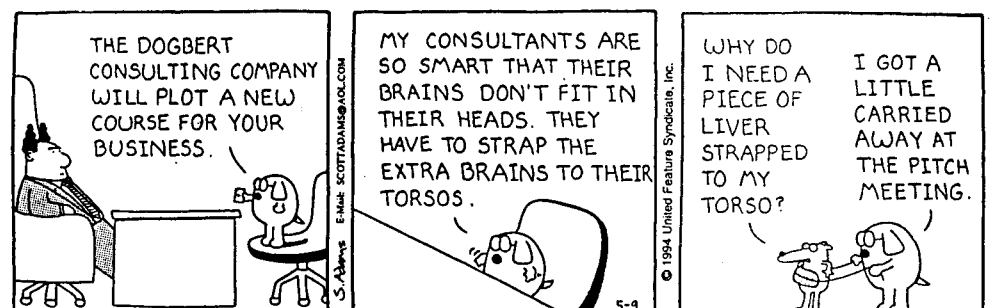
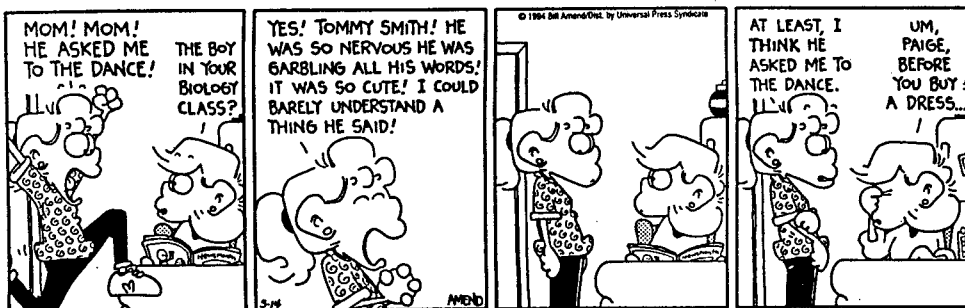
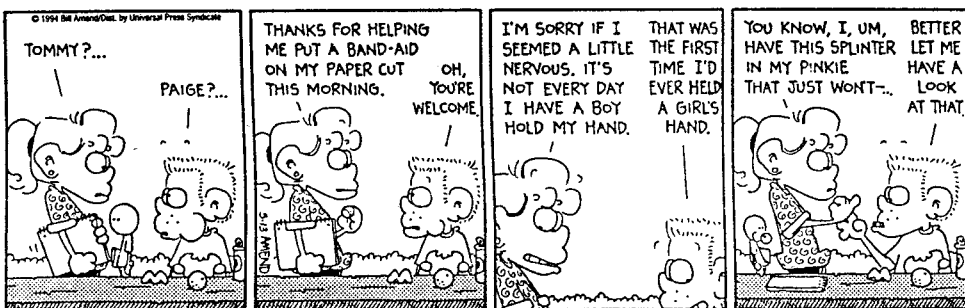
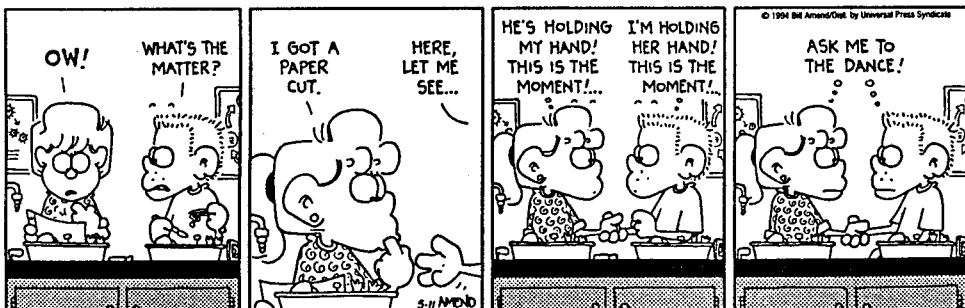
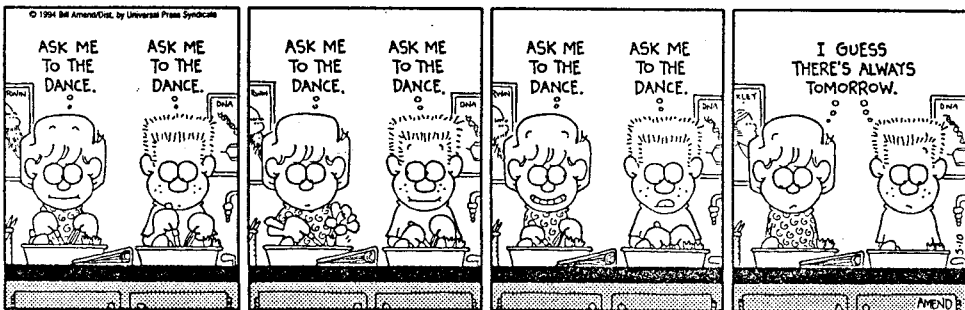
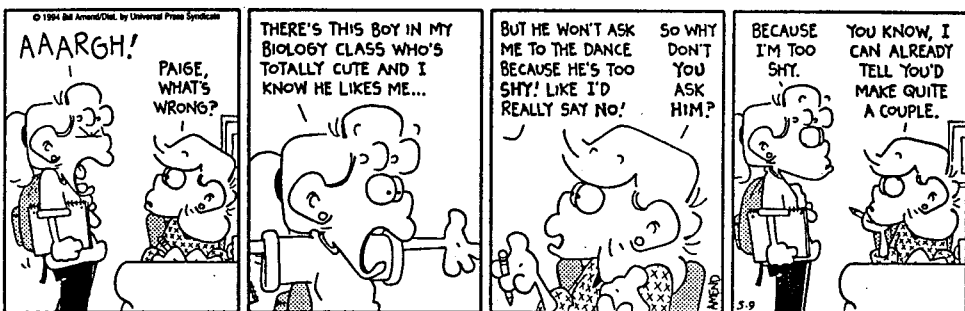
E-Mail: linda_thornton@hpatc3.desk.hp.com

FoxTrot

*Ushers in
the ASCII
Formal*
(by Bill Amend)

THIS WEEK'S DILBERT®

BY SCOTT ADAMS
SCOTTADAMS@AOL.COM





by Neil Jones

5/4 A prolific software engineer, William Gates, was found dead on campus with a severe head wound. A police forensic specialist says that it is most likely that he crashed after being dragged out of a fourth story Window in Jorgensen. In another statement on the incident, the police spokeswoman said that for most people the fall would not have been fatal, but that Mr. Gates had a very soft and small cranium—his head was *Microsoft*. Police have no suspects. Nobody is looking very hard, either.

5/3 4:30 a.m. A herd of cows was found in the Ricketts House courtyard. The cows, who were not aware that they were doing anything wrong, were informed of the local zoning laws and were then escorted off campus with the explanation that any further transgression of the Caltech honor code would result in arrest by the Pasadena Police department. A nearby Scurve, Jason Weiner, reports hearing a strange sound, somewhat like a wine bottle being opened, and looking out his window to see a herd of cows grazing on the red fire bricks. The police have no suspects. Nobody is looking very hard either.

Note: the editors were unable to confirm the events listed in this week's Crime and Incident Beat.

5/9 5:20 p.m. Two odd people were found in the Wilson Avenue parking structure sticking pamphlets on cars about earthquakes, Armageddon, and other interesting upcoming events. They were summarily escorted off campus. Anyone interested in obtaining any of this great coffee-table literature is encouraged to write to: Tony Alamo, World Pastor; Holy Alamo Christian Church; P.O. Box 398; Alma, Arkansas 72921. The information is *absolutely free*.

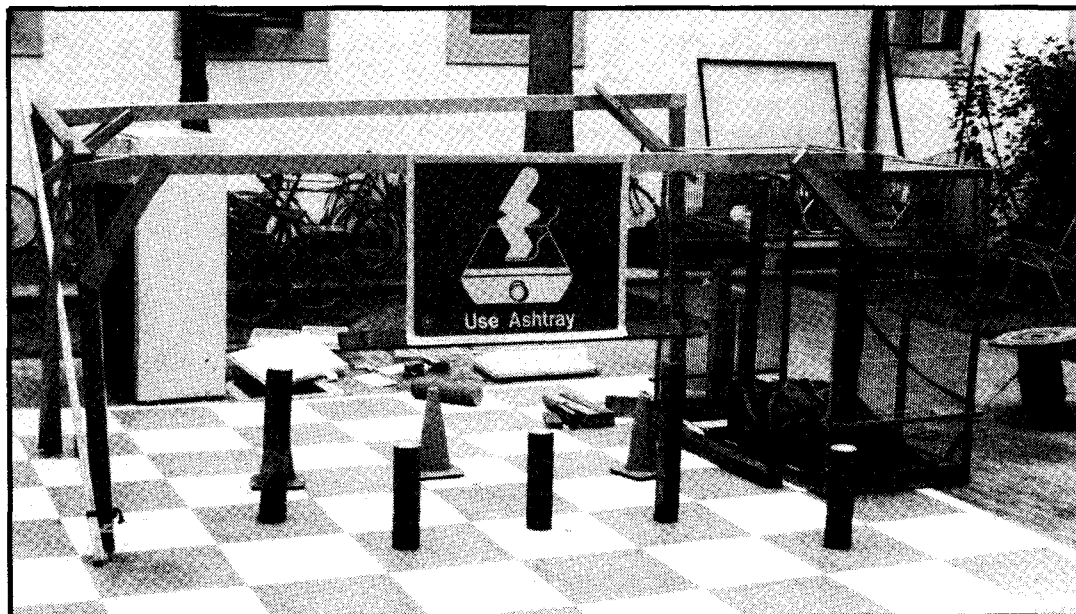
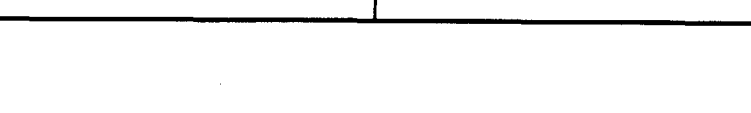
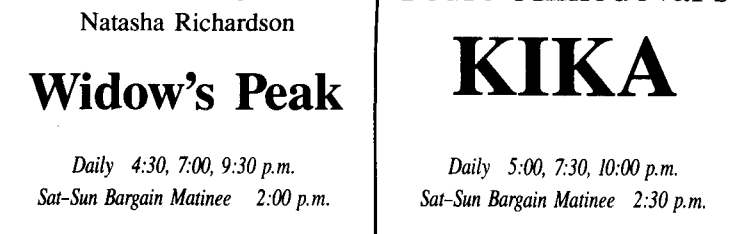
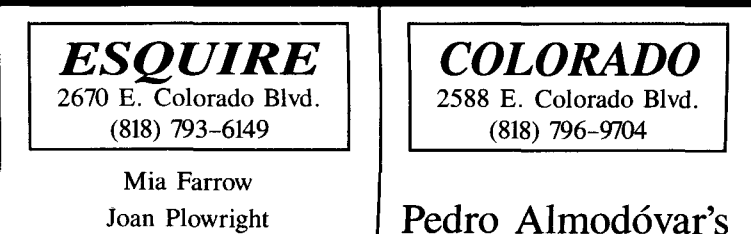
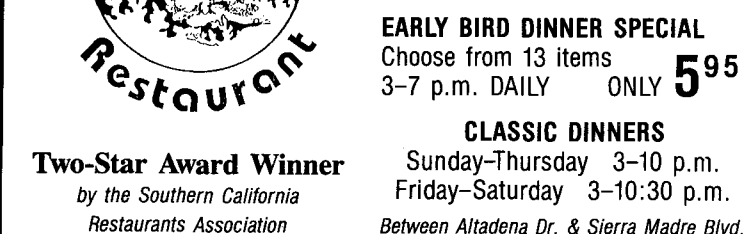
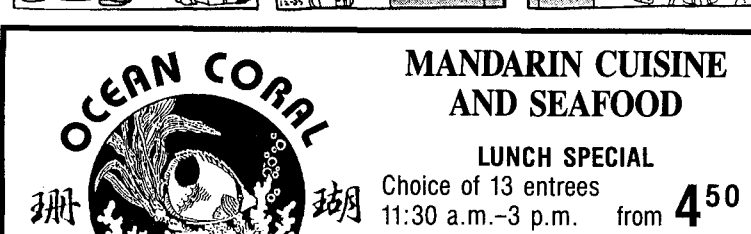
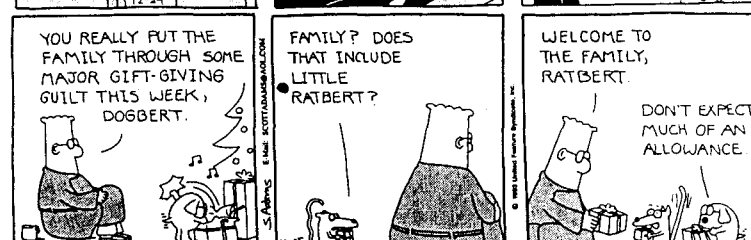
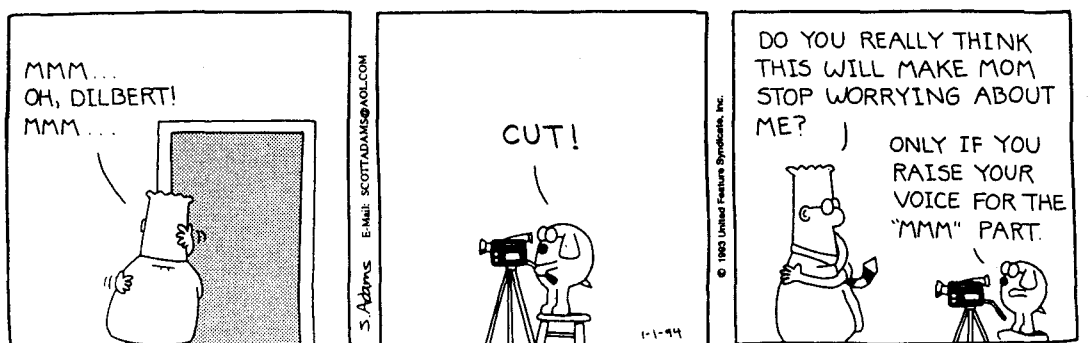


PHOTO BY RICH ZITOLA

One of the stacks in yesterday's Fake Ditch Day included this one in Dabney courtyard (yeah, the one with the big chessboard). Although the design looks complicated and somewhat confusing, the goal is straightforward: Blacker to move and mate in four.



Screaming Yellow Baldness

A Social Commentary

by J. Random HercFrosh III and
Lauren

Lets begin by introducing the objective of this column. It will hopefully be a semi-regular column designed to address the question, "Why are you all flaming idiots?"

Point One: Accept without proof that you are, in fact, all flaming idiots.

Point Two: Never question Point One.

Point Three: The authors are always right, even when they are wrong.

Point Four: Never question Point Three.

Point Five: This column is written with the express purpose of inciting thought, not riot. To this end, the views expressed herein are inevitably extreme and do not necessarily represent the opinions, thoughts or positions of the authors, editors, Caltech, or any sentient being alive today.

Point Six: Never question Point Five.

Point Seven: Above all else, never, ever *forget* Point Five.

Today's Target: The "Singapore Whipping"

By now, I'm sure all of you have heard about the case in Singapore involving the teenager convicted of defacing an automobile. He was sentenced to be caned by a martial arts expert. This form of punishment is particularly painful, often causing the subject to lose consciousness. Additionally, it leaves gruesome and lasting scars.

Frankly, this sounds like a perfect punishment. It is reminiscent of the long-standing adage, "An eye for an eye." But there are some who believe that this punishment does not fit the crime; that it is 'cruel and unusual.' Let's not forget, however, the defendant committed the crime in a

foreign country. The laws and punishments are different there. We can not expect then, that he would be treated any differently from a citizen of Singapore.

Consider the situation in which citizen c of country C travels to country D. While there, citizen c murders citizen d, a citizen of country D. However, in country C, it is not illegal to commit murder. Still, we would expect that citizen c be tried in country D for murder. If he was not, the citizens of country D would justifiably be outraged. The situation in Singapore is little changed.

Nevertheless, the Clinton administration feels it is justified in requesting preferential treatment for the teenager.

If nothing more, bear in mind, the teenager convicted in Singapore will probably never commit such an offense again!

Author's Note: If you are not among Today's Target, don't fret. Your turn may be next!

Chalk it up!

We want artists to create chalk murals on Pasadena sidewalks. No charge for participation! Workshops, food, and chalk are free for participators. Over two hundred murals will appear; call (818) 395-7100 to sign up or to get more info. The actual event is on June 4th and 5th, but workshops will be held earlier.

SPACETIME INSTITUTE'S Journal of Theoretical Works

...CONCEPTS, IDEAS, AND OPEN THOUGHTS...

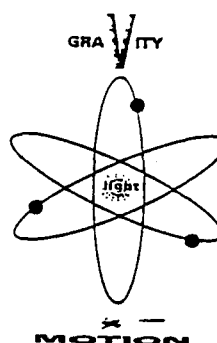
Ever wanted to publish a new idea? The SPACETIME INSTITUTE needs your help to communicate new ideas in cosmology, astronomy, particle physics, matter waves, optics, electromagnetism, gravity, and other modern physics subjects. The JOURNAL will also publish papers concerning the state and well being of the scientific community. Suggestions on how to improve the flow of information, ideas, and teaching methods in science will also be included in the JOURNAL. Over 500 colleges, observatories, and laboratories participate in our writing network. Someone in the network may be on the same wavelength as you. It's a GREAT OPPORTUNITY to communicate important ideas. Tell a friend!!

Every new concept or idea is welcome. Professors, higher degree candidates, students, and hobbyists are all encouraged to participate. If published, you will receive **\$250.00!!!**

LET THE GOOD THOUGHTS FLOW!!!!

Send your papers to: SPACETIME INSTITUTE
1058 Hampton St. NW
Atlanta, GA 30318-5439

Or call: (404) 892-5499



REMINDER

There has been some confusion recently over the membership requirements for the Board of Control. The ASCIT Excomm would like to remind everyone that ASCIT membership is not required to be on the B&C.

KELROF

The Race of Heroes

Have you ever been accused of being sane? Probably not since coming to Tech, but just in case you feel like you want to reaffirm your insanity you might want to consider running KELROF this year. This fine method of counting defective brain cells which involves repeatedly running one-mile relay race legs around the clock will commence at 9:00am, Saturday May 28. KELROF will last for a very painful 24 hours. When you are done you will feel like a hero.

If teams could submit preliminary lists of runners it would be appreciated. Or you could just make me guess how many people are going to show up like last year. Please contact me (Matt Metz, Box 534) if you decide that you want to share any valuable secrets.

WHAT'S AT THE OTHER END OF YOUR MODEM?



So.Cals Best Online service

- ✓ Mouse driven Graphical Interface BBS
 - ✓ 256 color online viewing
 - ✓ Local to Pasadena Areas
 - ✓ Computer support and repair offered
 - ✓ ONLINE CHAT • FORUMS • FILE AREAS
- DISCOVER THE WORLD OF CYBERSPACE
(818) 447-9850 BBS • (818) 447-2014 VOICE

Bestiality: A Liberal View

FROM PAGE 2
upon the expression of love. In our society today, restrictions based on species are even more pervasive than restrictions based on gender; I can only echo Ms. Brown's conviction that all such restrictions be done away with.

To apply a portion of Ms. Brown's article to our situation: "They are the same emotions; therefore, they deserve the same treatment by society. If you recognize the emotions of love, commitment, maternal/paternal instinct, and sexual attraction that every couple feels, then you can recognize them," in an inter-species couple, too. "You can also grant them equal rights under the law. You can grant them the blessing of marriage. You can let one take time off from work when the partner dies so they can take care of funeral arrangements and to mourn." Indeed, each and every right and privilege that Ms. Brown demands for a domestic partner (DP) can just as easily be provided for what I shall refer to as a canine partner (CP); the process is as simple as replacing every occurrence of "DP" in her article with "CP," for as we have already seen, love is the same wherever and however it occurs. It is true that a gay or lesbian couple should be supported by society just as much as a heterosexual one, but even this is far too limiting in a world where love is free and bears no restrictions whatsoever. Rather than replacing "spouse" with "domestic partner," as Ms. Brown suggests, the best solution is to replace it with "the loved human/animal/object of your choice" (LHAOOYC).

In her article, Ms. Brown "opened up" the definition of who may be in love to include homosexual couples, but why stop there? I have employed the same arguments to open it up even further to include couples in which only one of the two partners is human, but why stop even there? Our species has labored for too long under the delusion that human love is somehow different from the emotions felt by a couple of rutting goats. It is high time that we eliminate this prejudice, and accord all types of love with the same degree of respect. Personally speaking, Ms. Brown's article has opened up a whole new realm of emotion to me. I can scarcely wait to return home for the summer, for I am certain that with the

newfound freedoms provided by a liberal definition of love, I will look upon my cocker spaniel with new eyes.

Author's Note: Although I am saddened by the necessity, I thought it best considering the sensitive nature of the subject that I add a brief ex-

planatory note. It is not my intent to claim that homosexuality and bestiality are equivalent; indeed, nowhere did I express my opinion of homosexuality in any way. I have merely attempted to demonstrate by reductio ad absurdum the inefficacy of Ms. Brown's arguments. It is my contention that if society is to accept homosexuality as a valid form of love, arguments much stronger than


those presented by Ms. Brown are necessary. If we accept the loose interpretation of "free love" that I have made use of, then we are left with a situation in which one's fondness for a particular can opener can be elevated to the level of marital bliss. If, however, we demand a stronger definition of love, then there must be some sort of objective criteria which love must meet. This is the

key point which any discussion of homosexuality must address. The mere assertion that "they are the same feelings" or that "they are not the same feelings" contributes nothing. Unfortunately, as it is human emotion that we are dealing with, it seems impossible both to establish these criteria, and to determine whether they are satisfied by a given relationship.

PASADENA COMPUTER

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

Since 1988

<p>C:M</p> <p>VESA 66 Multimedia Hot! Best Buy!</p> <ul style="list-style-type: none"> - VESA LB Slots, 66MHz - Math Co-Processor Built-in - Panasonic Double Speed CD-ROM - Sound Blaster 16 - 2 Speaker - 7 CD Title - 4MB Ram - 420MB IDE hard disk - 3 1/2" 1.44MB floppy drive - 14" SVGA 1024 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 <p>486/66MHz \$1499</p>	<p>C:M</p> <p>486 VESA LB</p> <p></p> <ul style="list-style-type: none"> - Pentium overdrive ready (P24) - Green Mother Board (EPA) - 256K cache - 4MB ram up to 128MB - 420MB IDE hard disk - 1.2 & 1.44 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 <p>486DX-33MHz \$1195 486DX2-66MHz \$1355</p>	<p>C:M</p> <p>Pentium PCI</p> <ul style="list-style-type: none"> - Intel Pentium CPU with Fan - 4 PCI, 5 ISA Slots - 256K cache - 8MB ram up to 128MB - 420MB IDE hard disk - 1.44MB floppy drive - 15" SVGA 1280x1024 (.28) NI - PCI accelerator SVGA W/2MB - 2 serial, 1 parallel - PCI IDE controller Card - 101 keyboard - Middle tower case - 3 button mouse <p>Pentium - 60MHz \$2150 Pentium - 66MHz \$2250</p>
--	--	---

All the computers & notebooks, printers are cash discount only

<p>EPSON® Color Notebook ActionNote 500C</p> <ul style="list-style-type: none"> - 486SLC2-50MHz - 4MB ram up to 8MB - Math Co-Processor socket - 120MB or 180MB hard disk - 1.44MB Floppy drive - 9600 Fax/2400 modem - Carrying case - Rechargeable NiCad battery - Logitech trackball - Light weight 5.5Lbs Pre-installed: - Microsoft DOS 6.2 - Microsoft Windows 3.1 - Win fax lite <p>One Year EPSON On-Side Service</p> <p>120MB HD \$1975 180MB HD \$2095</p>	<p>Canon</p> <ul style="list-style-type: none"> - New Intel enhanced 486SX-25MHz - 4MB ram up to 12MB - VGA accelerator video card with 512K (3.8 Winmarks) - 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 <p>One Year Road-Side Warranty</p> <p>\$1299</p>	<p>MITAC</p> <p>Color Notebook</p> <ul style="list-style-type: none"> - 486SX-33MHz (Intel inside) - 4MB ram - 200MB IDE hard disk - 1.44MB Floppy drive - Built-in trackball mouse - System Preloaded - Microsoft DOS 6.2 - Microsoft Windows 3.1 <p>\$1850</p> <p>EPSON</p> <p>SubNotebook</p> <ul style="list-style-type: none"> - Only 4 Lbs - Built-in Sound Card - 486SLC-33MHz - 4MB ram up to 8MB - 120MB IDE HD - 1.44MB Floppy drive - PCMCIA Slots - Built-in trackball mouse <p>\$1399</p>
---	---	--

School PO# Welcome

90 days same as cash leasing program available

This week special

<p>COMPAQ</p> <p>VESA 66MHz</p> <ul style="list-style-type: none"> - Intel inside - 4MB ram up to 32MB - 340MB IDE hard disk - 1.2 & 1.44MB floppy drive - 9600 Fax / 2400 Modem - SVGA W/1MB - 2 serial, 1 parallel - IDE FD/HD controller - Compaq 101 keyboard - Compaq mouse Three Year Warranty One Year On-Site Service <p>486DX2-66 \$1995</p>	<p>C:M</p> <p>386DX-40MHz</p> <ul style="list-style-type: none"> - 128K cache - 4MB ram up to 32MB - 250MB IDE hard disk - 3 1/2" & 5 1/4" floppy drive - 14" SVGA 1024 monitor (.28) - 16 bit SVGA W/1MB - 2 serial, 1 parallel <p>One Year Parts & Labor Warranty</p> <p>\$895</p>	<p>Bondwell</p> <p>Notebook</p> <ul style="list-style-type: none"> - 486SLC-33MHz - 4MB ram up to 12MB - 120MB IDE hard disk - 1.44MB Floppy drive - 9600 Fax/2400 modem - Battery hours: 4 hours - 4.7 lbs - Carrying case - MS Dos 6.0 <p>\$1295</p>
--	--	--

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)



Notices

*1994-95 H&SS Course Schedules—Preliminary schedules of courses to be taught in the Humanities and Social Sciences during the 1994-95 academic year are available in 228 Baxter.

Summer Fellowship Mailing. To sign up to receive fellowship information over the summer current junior and graduating seniors should come by the fellowship office before the end of this term. Please read through the fellowship guide that you will soon receive in campus mail as you will be asked to indicate which fellowship you wish to receive information on. Call Lauren Stolper at extension x2150 if you have any questions.

Attention Campus Employers! Do you have a job that a Caltech student could do for the summer-office work, lab work, any odd jobs? You can advertise them in the Career Development Center. Please call x6361 or visit us in Room 08 Parsons-Gates.

Learn the Swing Hustle! You'll look hot or just have fun learning. Scott Driggs and Jessica Barnett are teaching Thursday nights from 9 p.m. to 10 p.m. in the Winnett Lounge. Bring your friends! Have fun!

On Tuesday, May 24, author Jonathan Weiner will sign his new book, *The Beak of the Finch*, from 12:00 until 1:00 at the Caltech Bookstore.

Coming Events

*FRIDAY NOON CHAMBER MUSIC—TODAY at noon in Beckman Institute Courtyard the features will be a trombone ensemble, Haydn string quartet, woodwind ensembles, including "Cosmos" for clarinet quartet. "Bring your lunch—we'll provide dessert."

Entrepreneur Club Social—May 12 at 8 p.m. in Baxter Lecture Hall. Speaker: John D. Baldeschwieler who is on the board of directors of the Southern California Entrepreneurship Academy. He is also a professor of Chemistry at Caltech Refreshments will be served. For more info contact Samson Timoner, samson@ugcs. Open to all interested individuals

*A Whale of a Book Sale—Friday May 13th from 8:30 am to 2:30 pm in Dabney Lounge (enter at east side through Dabney Garden). Thousands of terrific used book bargains, and even special bargain-priced new books. Sponsored by Friends of Caltech Libraries. Information contact: Barbara Huff-Duff x4048

ACADEMY
BARBER SHOP

27 N. Catalina Ave., Pasadena
Open Tues.-Sat., 7:00 A.M.-4:00 P.M.
(818) 449-1681

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

Events and Notices

Chamber Music Concert—Saturday, May 14, 1994 at 8 p.m. in Dabney Lounge on the Caltech campus. Admission is free. Call (818) 395-4652 for more information.

*The Caltech Men's and Women's Glee Clubs—under the musical direction of Monica Hubbard, will present a staged version of Gilbert and Sullivan's "Trial by Jury" on Friday and Saturday, May 20 and 21, in Dabney Lounge on the Caltech Campus. The concert will begin at 8 p.m. Tickets are \$7 general admission and \$5 for students. To reserve seats call the Caltech Ticket Office at (818) 395-4652 or (800) 423-8849.

*A NIGHT AT THE OPERA—You won't want to miss Gilbert and Sullivan's "Trial by Jury" as Edwin (JPL Engineer David Santiago) becomes the defendant in a breach of promise suit brought by Angelina (frosch Carrie Griffin). Angelina, not unaware of her charms, captivates the Usher (physics grad Kent Bradford) and the Judge (physics senior Alex Zeyliger) and the entire jury! Will Angelina's lawyer (sophomore geology major Laura Brady) successfully plead her client's case? Will Edwin's proposal of serial monogamy be accepted? Will the Judge get to make Edwin drunk? (Will the jury and the bridesmaids get their entrances right?) Come to Dabney Lounge at 8 p.m. Friday or Saturday night, May 20 or 21 to find out. Also on the program are favorite opera choruses performed by the Men's and Women's Glee Clubs. Tickets for A NIGHT AT THE OPERA are on sale now from members of the Glee Clubs and will be available at the door both nights. \$5 (student) and \$7 (general). A reception will follow both performances.

*Caltech Muslim Students Friday Prayers—12:30 p.m. in the Y Lounge, every Friday.

*Hey You! There's an Entrepreneur Club meeting on Thursday, May 12 at 8:35 p.m. in Winner Club Room 1. Come eat some refreshments while helping decide on our next speaker for an upcoming event. Everyone is welcome. See you there!

Caltech SEDS meets every Sunday evening at 9 p.m. in 107 Downs to discuss and plan for its \$4 million satellite proposal. Help is needed from undergraduate and graduate students, and advising is needed from research fellows, faculty and staff. Experience with space hardware or with the specific experimental subsystems (gamma-ray astrophysics and atmospheric chemistry) is not necessary. All members of the Caltech/JPL community

are welcome. Contact Ben McCall at x2902 or bjmccl@cco.

The Caltech Amateur Radio Club will meet at 7:30 p.m. on Tuesday, May 10 in the Y Lounge. We will discuss plans for future programs and projects. If you would like more information, or if you would like a copy of our recent newsletter, please contact Dave Ritchie at (818) 683-8800, or post your request to our newsgroup, citarc@nntp-server.caltech.edu.

Lectures, Seminars and Films

*Images of American Labour Film Series—"Gung Ho," a satire of industrial relations in contemporary America, starring Micheal Keaton, will screen on Monday, May 16, 1994 as part of the Images of American Labor Film Series. Screening is 7:30 PM in Baxter Lecture Hall and is free and open to the Caltech community.

*The Caltech Y Distinguished Speaker Series presents Arlene Blum, author of *Annapurna: A Woman's Place*. She led the first American climb of Annapurna, which at 26,500 feet is the world's tenth highest peak, and completed a 2,000 mile, nine-month trek across the Himalayan regions of Bhutan, Nepal and India. Blum will give a lecture and slide show entitled "From Molecules to Mountains: To Annapurna and Beyond." 7:30 p.m. on Thursday, May 19 in Baxter Lecture Hall.

*Ernest C. Watson Lecture—"Farewell to the Party of Lincoln: African-American Politics in Depression-Era Los Angeles" will be given by Dr. Douglas Flamming, assistant professor of history at Caltech. Admission is free for the lecture, which will take place at 8 p.m. on Wednesday May 25 in Beckman Auditorium.

Scholarships, Fellowships,
Internships and Competitions

*Watson Fellowship Discussion—Come and learn more about the Watson Fellowships on Tuesday, May 24 at 7:30 p.m. in Winnett Center's Clubroom 1. Mike Clemens, a Caltech senior who won a Watson Fellowship, will provide valuable insights about the Watson application process. Dr. Joe Kirschvink, Professor of Geobiology, was a Watson Fellow in 1975. He will be there to share his experiences as well. All undergraduates are welcome. Refreshments will be served.

Poetry Contest: Pickenpaugh Literary agency is holding a free contest. Poets may enter 1 to 3 entries, 30 lines or less on any subject, any style, or essays 300 hundred words less. Send entries with SASE to: Poetry, PO Box 2894-C107, Vacaville, CA 95696. Deadline is July 15th, 1994.

The Kirby Company is continuing its annual college scholarship program, "Makin' the Grade." Scholarship range from \$250 to \$1000 dollars. Participants work as full-time and part-time independent Kirby dealers during June, July and August, competing for monthly scholarships based on sales performance. For more information, contact your local Kirby distributor or call (216) 228-2400 or write The Kirby Company, 1920 West 114th St., Cleveland, OH 44102-2391.

Lindbergh Fund—The fund grants awards up to \$10,580 to undergrads, grad students, post-docs or faculty who need funding for research in one of the following areas: aviation/aerospace; conservation of animal, plant, water, energy, air, land, etc. resources; education in the arts, humanities; intercultural communication; health and biomedical research; adaptive technology; waste minimization and management; and agriculture. Applications for this fellowship must be postmarked by June 14. Contact Lauren Stolper at x2150 if you would like more information or an application.

*Students traveling in Europe this summer can pick up a copy of "Europe Through the Back Door" from Lauren Stolper in the Fellowship Office in Lloyd House. The June-October edition contains an interesting article on women traveling alone, information on Eurail passes and lots of helpful travel tips and resources. Copies are limited to those on hand so stop by soon. Call x2150 and spell your name and give your box number or mail code to have a copy sent via campus mail.

STUDYABROAD is a new resource that provides complete information on over 1,300 programs spanning the world. If this is an area that you are considering this book is a good place to explore options. *STUDYABROAD* is available for review in the Fellowship Office. Call extension 2150 for details.

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

Jewish Family and Children's Services is accepting applications for student loans, grants, and scholarships of up to \$5000. Jewish students who are residents of San Francisco, the Peninsula, Marin or Sonoma Counties (for scholarships and grants), or residents of the Bay Area (for student loans), and who demonstrate financial need and academic achievement are eligible to apply. To receive an application, call (415) 561-1226 or come to the financial aid office. Applications are accepted throughout the year.

The John Gayles Educational Trust is offering financial assistance to Canadian and American citizens. Selected students will receive up to \$2,500. A minimum GPA of 2.7 is required. Deadlines range from April to November. For an application, send a self-addressed, stamped #10 envelope to: The John Gayles Education Fund, Attention R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4.

The Society of Women Engineers announces its 1994-95 Freshman and Reentry Scholarship Programs. The Freshman Program consists of 8 scholarships of \$1,000 each for entering woman engineering students. The Olive Salembier Reentry Scholarship is designated to encourage and aid women in reentering the job market as an engineer after being out of the work force for a minimum of two years. Applications and supportive materials must be postmarked on or before May 15, 1994.

The Los Angeles Chapter of the National Black MBA Association will be awarding three \$2,000 scholarships to qualified African American students. Applicants must be enrolled in a full-time graduate business or management program, in the state of California, in the Fall or 1994 and Winter of 1995. Applications must be postmarked no later than May 18, 1994.

The National Hispanic Scholarship Fund is offering scholarships to qualified Hispanic students. Applicants must be full-time, day-time students who have completed a minimum of 15 college credits and are U.S. citizens or permanent residents of the U.S.. The deadline to submit applications is June 15, 1994.

The Bakersfield Desk & Derrick Club is accepting applications for the Wilma Addington Memorial Scholarship. Applicants must be Kern County residents, and must be pursuing a degree in an energy related field. Application in letter form should be submitted to the following address: Jan Walker, Chairman, Desk & Derrick Club Scholarship Committee, P.O. Box 11064, Bakersfield, CA 93389-1064. The Financial Aid Office has more details. Applications are due September 1, 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

"God and elementary particles have only relative conditions of state, whereas a surface has an absolute condition of state, namely curvature; thus only a surface can be fundamental existence, being that it is independent from anything else."

THE EXACT NATURE OF THE UNIVERSE & GOD

By Joel WEBB

A Study of Surface Mechanics

Topics include the computer simulation of the nuclear-gravitational force continuum, neutron fine structure, the Contracting-Universe hypothesis, the first events and processes found in nature and luminiferous ether re-visited.

AVAILABLE AT House of Fiction and Ample Non-Fiction
663 E. Colorado Blvd. Pasadena

The California Tech

Caltech 40-58 SAC
Pasadena, California 91125

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

HEAR THE
WEDNESDAY NIGHT
JAZZ BAND

Mondays – Half price margaritas.

Tuesdays – Beer half price.

Wednesdays, Thursdays 3-7 P.M.