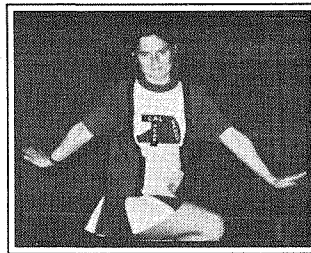


Three cheers
for what we
found in *The
Tech* archives!

The California **TECH**



Volume XCVI, Number 25

Pasadena, California

Friday, May 5, 1995

Caltech Geochemist Wins Tyler

from the USC News Service

LOS ANGELES—For a lifetime of research exposing the worldwide health dangers of the uncontrolled use of the element lead, geochemist Clair C. Patterson has won the premier international environmental honor—the \$150,000 Tyler Prize for Environmental Achievement.

Dr. Patterson, a professor in the California Institute of Technology's Division of Geological and Planetary Sciences, will receive a gold Tyler Prize medallion here tonight [April

28th] during a black-tie reception and dinner at the Four Seasons Hotel.

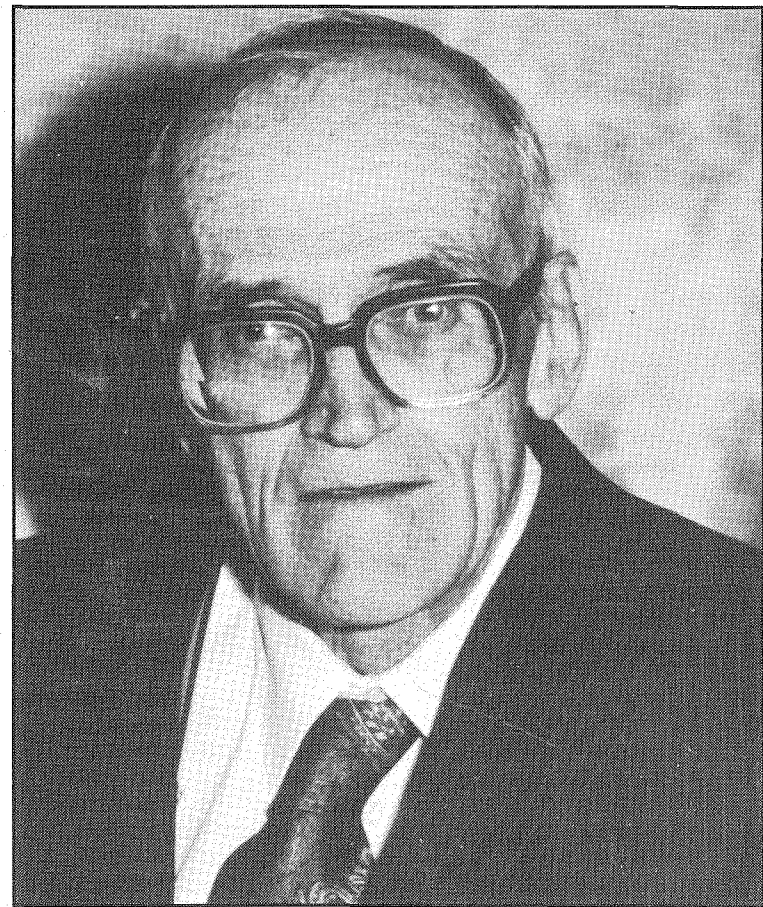
"Dr. Patterson is an outstanding example of the citizen-scientist," said Tyler Prize Executive Committee Chair Robert P. Sullivan in announcing the award. "He researched his subject in a scholarly and thorough manner, checking and rechecking his data. Then he acted to ensure that these conclusions informed public policy."

Patterson gained international recognition in 1953 for a study using comparative analysis

of lead from meteorites and from extraterrestrial sources. That classic study, which produced the currently accepted estimate of the age of the Earth, disclosed high levels of lead contamination in scientific laboratories.

In the early 1960's, Patterson developed a theory predicting that natural lead levels were far lower in the peoples of antiquity than in the peoples of today. In a series of indigenous studies, he and his col-

SEE "PATTERSON" PAGE 6



Clair C. Patterson was awarded the 1995 Tyler Award for his efforts to educate the world about the dangers of lead.

COURTESY USC NEWS SERVICE

Caltech Awards Scholars

by Suzette Cummings

Angie Bealko Wins Bibi Jentoft-Nilsen Memorial Award

Angie Bealko, a junior in mechanical/electrical engineering, is this year's winner of the Bibi Jentoft-Nilsen Memorial Award. This prize is given in memory of Bibi Jentoft-Nilsen, Caltech '89, who was an exceptional student leader during her time at Caltech. Bibi was Director-at-Large on the ASCIT Board

of Directors, President of Blacker House and was a student representative on the Curriculum Committee. She was one of the stars of the cross country, track and field and soccer teams. After her untimely death in 1990, a memorial fund was established by her family and friends to recognize outstanding student leaders.

Angie is being honored for

SEE "SCHOLARSHIP WINNERS" PAGE 10



COURTESY SUZETTE CUMMINGS

Angie Bealko, winner of the Bibi Jentoft-Nilsen Memorial Award

Celebrating Christmas in April

by Robert Rossi

At 8:00 a.m. on April 29, nine Caltech students joined Andy Cameron, a Senior Research Associate in the Biology Division, at 615 Howard Street. Finding ten people from Caltech awake at eight o'clock on a Saturday morning is unusual; finding them all in the same place can't be a coincidence, especially that far off campus. So yes, there was a reason...it was Christmas. In April? Yes. For those of you who are not familiar with it, Christmas in April is a non-profit organization that

adopts old homes in the Pasadena area and spends the month of April rehabilitating them in an effort to make them more comfortable for their lower-income and often elderly owners. This year Caltech was a co-sponsor of the house at 615 Howard Street, owned by Ms. Alta Arntson.

Working with members of the Pasadena Kiwanis Club, the Caltech students painted Alta's home and garage, cleared the overgrown front and back yards, and helped with other improvements inside. Andy, as one of the house's co-captains, organized

the outdoor work so that everything went smoothly. Inside, members of the Brotherhood of Electrical Workers did an extensive re-wiring job, bringing the house up to present code standards and adding many outlets, switches, and lights to make things easier for Alta. Peter Knowlton, the other house co-captain, oversaw the interior improvements. Hand rails were added and reinforced on the stairs and in the bathrooms, Alta's water heater was replaced so that a dangerous internal gas

SEE "CHRISTMAS" PAGE 6

Coping with a Tragedy

by Kevin Austin

On Friday, April 21, the Caltech community experienced the loss of one of its members with the shooting death of Francisco Javier Mora. The reactions to this loss have varied depending on how well they knew the victim, and what the shooting has brought up for them personally. For many of those who knew him, Javier's death has caused feelings of sadness, loss, shock, and disbelief. With the passing of time the feelings of disbelief have been replaced with an awareness that someone so much a part of their daily lives is really gone. Some people have feelings of anger at the apparent senselessness of his death. Others feel guilt that their lives go on while his does not. Still others actu-

ally witnessed the shooting or it's aftermath and their feelings come from first hand experience with the tragedy. Whether they knew Javier or not, they and all of the Caltech community witnessed an event that is extraordinary and shocking. They may replay the incident in their mind trying to make sense out of it, trying to consider what they might have done differently. For those who witnessed this tragedy there can be feelings of unrealness and alienation from those who did not experience the shooting firsthand. There can be a preoccupation with the shooting and continued feelings of vulnerability mixed with anger at those whose lives seem to go on unaffected.

In reality, the entire Caltech community suffered a loss on

that Friday. It was both a loss of a member of the community and a loss of the sense of being protected from this sort of violence. Following the Oklahoma City bombing so closely, a sense of safety has been compromised by the starkness of vulnerability. People ask themselves "If it can happen in Oklahoma or happen on our campus could it happen to me or someone I love?" In addition to these fears Javier's death can bring up feelings related to other sadnesses in our lives.

Each one of us is faced with dealing with both the loss of Javier as well as the loss of the sense of being immune to violence. All the reactions de-

SEE "COPING WITH TRAGEDY" PAGE 10

The Last Feynman Videos Of The Year

Fridays, noon to 1, Beckman room, Beckman institute (first floor, SE corner). Seating is limited to 10 seats, so show up early. Reruns are played by request, noon to 1 p.m., the following Monday through Thursday.

May 5: *Last Journey of a Genius* (1989).

A BBC-NOVA program about Feynman and Ralph Leighton's attempts to visit Tannu Tuva. Also includes highlights from Feynman's career. 54 min.

May 12: *Space Shuttle Challenger*

News Conference, Caltech, June 10, 1986. Feynman discusses his work on the Presidential commission that investigated the Challenger disaster. 60 min.

May 19: *No Ordinary Genius* (1992).

Christopher Sykes Productions for BBC-Horizon series. Hans Bethe described himself as an ordinary genius but Feynman as a magician. This ambitious program covers Feynman's whole life and career. The uncut version, never broadcast in the U.S., will be shown. Two 50-min. segments screened on consecutive Fridays.

May 26: *No Ordinary Genius, cont'd.*

Questions? Call the Caltech Archives, x2704.

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Letters to the Editor

To the Editors,
Could you please refrain from printing embarrassing pictures of me in the Tech? I'd like to live my life without having to wear a paper bag on my head.

Thank you.

Kanna Shimizu

Dear California Tech:

This is an embarrassment. Here we are, a leading technical institute, known for our astronomy department, crawling with bright young minds. Yet it seems nobody understands the principles of the most basic of all astronomical instruments. There is a horizontal sundial installed on a pedestal in the court-

yard between Crellin, Gates, and Parsons-Gates. If properly installed it would be equally ornamental, and it would tell time to within 15 minutes (it could even be adjusted twice a year to account for daylight savings time). It is, however, presently installed 180 degrees from the correct position. The south-pointing (!) gnomon is being asked to cast a shadow toward the east in the morning and toward the west in the afternoon. It should not require a rocket scientist to figure that out.

Paul Asimow
Grad Student in Geology
x6474
paul@expet.gps

Erratum

In the last issue of *The Tech*, the cover story reported that "a witness saw the suspect Romero having words with [F. Javier] Mora at around 12:15 p.m. on the day of the murder, near a campus lunch truck. Romero reportedly pushed Mora, who ignored him and proceeded to get lunch." This report is false.

Editors' Corner

From your Friendly Tech Editors

Wow! You writers and submitters really went all-out this week. After extending the issue by four pages, it's finally done.

Even though we got plenty of submissions this week, we still need writers, editors, office workers, etc. Look below to see how you can join the Writer's Mailing List.

While going through the photo archives, the editors discovered some very interesting history! We mean no disrespect by running these photos.

Your immediate instructions are as follows: look at your watch until it says 12:15 p.m. Then, get down to the Coffeehouse and work for the Tech!

Deadlines for Submission to The Tech

- Letters to the Editor — 5 P.M. Monday
- Events and Notices — 5 P.M. Tuesday
- Unsolicited Articles — 5 P.M. Tuesday
- Regular/Semi-Regular Columns — 5 P.M. Wednesday
- Articles, News Submissions — 5 P.M. Wednesday
- Art/Photo Submissions — 5 P.M. Thursday

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YESS '95 SUMMER TEACHING POSITIONS

Short term teaching position in the Young Engineer and Science Scholars (YESS) Program is available for this summer. YESS, a residential program for high school students runs from July 10th to August 11th. Job entails designing and teaching an engineering project for a group of 6-7 students.

Applications, which will require a project proposal, are available in the Caltech Y and are due on wednesday, May 17th. Undergraduates and graduates are encouraged to apply.

For more information, contact Athena at x3180 or via E-mail at castroa@starbase1.

Writer's Mailing List

Not sure if you want to write for *The Tech*? Then join the new Writer's Mailing List! The editors will post article requests on the list, and interested students can reply and write the article. Faculty, staff, JPL employees, and graduate students are all invited!

The California Tech

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MAY 5, 1995

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Opinion



Avery House or Avarice House?

By Zack Berger

"Most importantly, Avery House will embody the spirit of entrepreneurship. Entrepreneurial seminars and discussions will be an integral part of the house's program. The library will house books and periodicals devoted to entrepreneurship. The gallery will feature a permanent display of memorabilia from Stan Avery's remarkable career, and rotating exhibits will highlight the careers of visiting entrepreneurs."

—from a flyer announcing Avery House's groundbreaking

So it has come to this, then? The administrative, Parsons-Gates folks maintained a strenuous silence for months on end, steadfastly refusing even to speculate on the nature the house would take. Frosh picking into Avery during rotation? No idea, they said—we'll see what happens. Would the new residence take on the traditional, self-governing form of a house? No comment. The time, they kept on saying, is not yet ripe. Trained jugglers and sword-swallowers performing for the faculty's enjoyment? Maybe, maybe not; it's all up in the air, they repeated.

And now, in the above honest paragraph from (one presumes) the Public Relationeers, we learn the true, long-planned nature of this house, this Avery (better, Avarice) House. It will be a temple dedicated to a corruption: a perversion of Caltech's original mission as specified in the Catalog ("the training of creative scientists and engineers") into another aim—a farm for financiers, a breeding ground

for businessmen.

That is: Avery (better, Development) House will be born, like one of those mythological monstrosities, fully formed from the adhesive genius of Stan Avery, with its character stuck onto it like a strange attempt at genetic engineering. House members too often indulge in two contradictory notions: that each house's character is to some extent immutable, and yet on the other hand that its personality is subject to the whims and inclinations of the entering class. Both these attempts to describe house character are inexact: houses started out as something different than they are now, and at the same time the inertia of the sophomores, juniors, and seniors keeps the frosh from transforming a house completely.

Avery, as described in the flyer we received in the mail, will suffer from the worst of both tendencies. Its identity as Business House will be carved in stone (if not literally—one imagines life-size statuary out front depicting a heroic Sir Sticker—then at least figuratively). It will even, sad to say, have a "program." What is this? Techers, a definition is in order. A "program" is a set of events planned for students by non-students, because the former are too small, fragile, and unbusinesslike to know what's good for them. A "program," in short, is medicine for the social organism, and the good people in Dabney Hall, first and third floors, will kindly administer it to us.

But this immutability of mission ("a permanent display of

memorabilia from Stan Avery's remarkable career") will be counteracted by an equally odious changeability, a lack of steadfastness in which the social calendar of Avery will be set by whichever office-supplies or chemical-instrumentation magnet happens to sweep into Pasadena for the weekend.

Avery House is probably modeled, at least in part, on Cornell's Telluride House, in which guests are invited to spend days, weeks, or months in the (self-governing) House's spacious and elegantly appointed rooms. But, in the case of Cornell, these invited figures are of intellectual note, not hoped-for donors; they are possessors of worthwhile and challenging philosophies whom the House expects, on occasion, to disagree with.

The business of Caltech, to paraphrase Coolidge, is business. These visitors come not to engage in discussion, not to see Caltech, but rather to have the Institute tell them just how happy it is to receive their emnencies, yes sir.

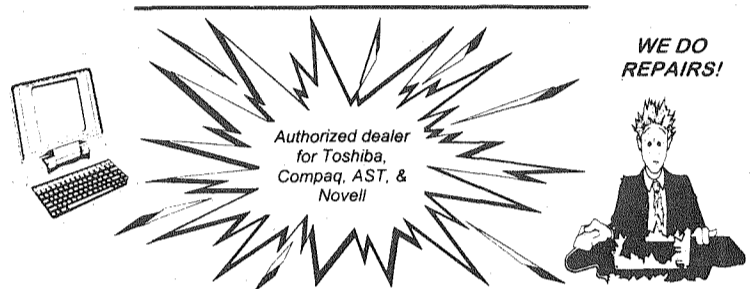
"Avery House will embody the spirit of entrepreneurship," says the flyer. Strange that the number of successful businessmen Caltech has produced have come from such an un-entrepreneurial house system. Strange, too, that the plan for Avery evokes in the mind not something invigorating, like an idea, nor even something gossamer and intangible, like a spirit, but something, as a true literary entrepreneur once wrote, "weary, stale, flat and unprofitable."

Space Fillers

Caltech SEDS Ice Cream/Movie Night featuring *Spaceballs*, *Blade Runner*, and *The Puppet Masters* Saturday May 6, 1995 in Winnett Lounge, 7:00 p.m. No charge, all members of the Caltech community are invited.

The Caltech Space Society is going on a trip to Huntington Beach. Spend a couple hours destressing on the sand. We will be meeting at 3:30 p.m. on Saturday at the Red Door Cafe. Bring a towel, sunscreen, swimsuit and warm clothes for at night. Food and drinks will be provided. Please RSVP by Friday night so that we have rides and food for everyone. Drivers will be reimbursed for gas. We should return at about 9 p.m. As usual, all members of the Caltech Community are welcome! For more information, or to RSVP, please call 568-8028 or email css@cco.caltech.edu

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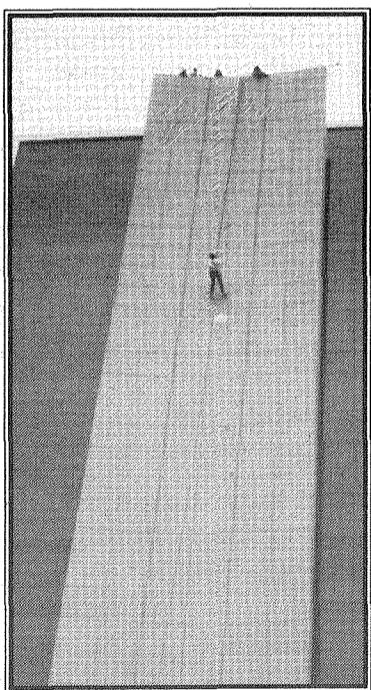
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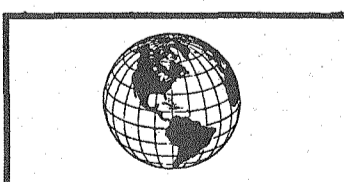
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Race of the Gods

by Tom Dmukauskas

Running, Hurling, Jumping Beavers Head into the Home Stretch

By Steve Prefontaine

By the time you read this, the men's and women's track teams will have already completed the SCIAC Conference Prelims on Wednesday at the University of La Verne. Both the men and the women turned in a number of spectacular personal best performances over the previous three weeks, individuals as well as relays. The added confidence of those improved marks along with the much deserved taper back from both volume and intensity of training should prove to be the recipe for success in the SCIAC Championships on Saturday.

There will be several finals in field events on Wednesday in addition to one running final, the men's 3000-meter steeplechase (arguably the most difficult and technical event in track). As luck and skill would have it, Caltech just happens to have the #1 ranked steeplechaser in the SCIAC, namely Dan "Hurdling Fool" Kleiman. He enters the meet with a seeding time of 9:29.7 which is 18 seconds faster than his closest competitor, and only 6 seconds away from the provisional NCAA National

A Season of Firsts for Women's Tennis

By Monica C. Sharman

Last week the Caltech's Women's Tennis team seized a devastating 7-2 victory over Whittier College, historically one of the team's most challenging rivals. The Wednesday, April 26 match brought out the best in the team members, who under Coach Karen Nelson came into the last home match of the 1995 season well prepared, both physically and mentally.

A closer look at the individual scores quickly reveals the extent of the Caltech players' domination over their Whittier opponents. In singles, senior June Fujimoto had unbroken control over every game, finishing off her match at 6-0, 6-0. Senior Monica Sharman and

Championship qualifying standard. Having never competed in the event prior to this year, he has made remarkable progress and he is only a freshman. The school record in the steeple held by Aaron Matzner-Dominguez (9:12.9) will soon be threatened by this young upstart, according to Coach Jim O'Brien. Kleiman will also be challenging for the title in the 5000-meters on Saturday.

Amy Oldednburg, who was three times All-Conference last year, will start on Wednesday with the hammer throw. She has proven in the past that she thrives on the competition to bring out the best performances. The improvement among the throwers within the SCIAC has been dramatic this year and Amy has her work cut out for her. She also has a discus throw final on Wednesday with the javelin competition on Saturday. Going into the meet she is ranked in the top eight for each of her specialties.

Cailin Henderson enters the meet as one of five or six athletes with a legitimate shot of winning the 3000-meters. Just recently at the Pomona-Pitzer Invitational, Cailin chopped 14 seconds off of her previous personal best time.

It now stands at a highly competitive time of 10:49. She will concentrate her efforts on that event and the 1600-meter relay.

Aaron Kuzin took a major set up into the ranks of the "Big Dogs" when he uncorked a heave of 42-ft 5-in the Shot Put at our recent SCIAC dual meet at Pomona-Pitzer. He barely fouled on another throw that was well over 44 feet, so we know he has a much better throw in him that is dying to be unleashed. The shot is on Saturday and the discus final will be on Wednesday. Coach Craig Hagan feels that Aaron has a remote shot at All-Conference in both events. In addition, Karl Thulin has shown that he also is a likely candidate for All-Conference contention in the discus. Both Karl and Aaron throw out their minds in practice and need to relax and let the cow chips fly in the meet.

Ron Stieger will be vying for an All-Conference berth in the 800-meters, his specialty. Ron is gifted with some serious speed for a middle-distance runner and has worked primarily with sprinters for the last two years in practice. He always runs intelligently

SEE "RUNNING BEAVERS" PAGE 6

freshman Alexis Johnson ended solidly with scores of 6-0, 6-1 and 6-1, 6-0, respectively, while junior Angie Bealko, a newcomer to this year's team, gave away a mere two games to end at 6-2, 6-0. Junior Laura Verhoff also fought a tough battle which ended at 4-6, 4-6, and freshman Irene Wong fell to her opponent after an intense three sets of 6-2, 4-6, 2-6. The excitement continued throughout the doubles matches. In the #1 spot, Sharman and Johnson defeated their opponents 6-0, 6-1, while the #2 team of Fujimoto and sophomore Lena Petrovic

breezed by without losing a game.

The strong force of aggressive freshmen and newcomers combined with several seasoned players puts Caltech Women's Tennis in a favorable position for the annual SCIAC tournament, which will be held May 5-6 at Craston Hills College in Redlands. With an overall record of 5-6, the team will enter SCIAC's ranked at number 5, the best ranking in the history of Caltech Women's Tennis. Other notable highlights this season were their first win against La Verne since 1990, and their first ever win over Occidental.



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on a Saturday morning in late May. Kellogg's team was called Kellogg's Eighth Light Regiment On Foot, or KELROF for short. They did indeed achieve their goal, going on to reach 247 miles. This was the birth of a new tradition.

The following year, Kellogg's team was back, this time setting the track on fire by covering 262 miles in the day. This record is still standing 17 years later. More teams showed up to the 2nd KELROF as well. The race would continue to thrive for another 3 or 4 years while some members of the original team were around to foster its growth. Participants who had graduated would fly back to Pasadena just to compete in KELROF. The number of teams entered in the event soared, reaching 69 participants and even the last place team running 194 miles. Unfortunately, the mid 80's saw a bit of a decline in participation and enthusiasm in the event, though every Memorial Day weekend, several hearty souls made their pilgrimage to the track to test their mettle. Last year, participation was down to 3 teams, a 10-person, a 8-person and a 2-person. The winning team reached only 188 miles and the 2-man (Chris and I) retired after 100 miles.

Kumar Raman, Chris and I are in charge of the KELROF proceedings this year, and we are attempting to bring back some of the Steve Kellogg spirit and passion for the race from the old days. Stay tuned to the Tech for more announcements. Right now, all you need to know is KELROF is Saturday, May 27th at 9 a.m. Until then, eat nails!

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CALTECH Y, ASCIT AND IHC PAGE

(aka the "Respectively Submitted" page)

ASCIT Minutes 4/26/95

Present: The BOD - Laura, James, and Kanna (all late) + Mason, Jeep, Tae, and Terry * Darth and Jenny

⇒ Happy Secretaries' Day! I never thought I'd say that. Yuck.
 ⇒ Meeting begins at 4:04 PM.
 ⇒ Jeep from the Women's Center asks how the BOD and students feel about the Women's center. Jon says he's impressed with the Women's Center. Tom asks Jeep, "What do you do?" Jeep says he "advances the careers and involvement of women in science at Caltech." Jeep also says the Women's Center also does events such as "Take Your Daughter to Work Day" and the Mentor Program. The Women's Center also works with SWE and the OWC. (I don't know either)
 ⇒ It's 4:10 Mean Solar Time. Gavin enters.
 ⇒ David Wang (one of the Big T editors) enters. He asks the BOD to vote upon the Big T budget. The BOD passes the Big T budget and contract 5-0-0. (Go us) Apparently the ASCIT BOD needs a picture for the Big T. The Tech pictures just won't do. David Wang leaves.
 ⇒ The BOD interviews Tae for Tech Business Manager. shhhhhhhhh.....(assorted screaming).....(WHAT).....oh.....(the Hawley-Smoot)....
 ⇒ Ken leaves to get James. Jeep leaves. Cherokee is nowhere to be seen. (pause) James enters, Kanna enters a minute later, Wei-Hwa enters 2 minutes after Kanna.
 ⇒ Kanna wants to talk about multihouse funding. She wants to put excess money toward actual events. Fancy that. Greg proposes (not to Kanna) that the BOD should give \$150 per term per house for multihouse funding. The BOD moves east due to the earth's rotation (lame)

and passes the proposal 5-0-2. Greg asks for notification of multihouse events before the actual events occur. Ken says this is ridiculous in actuality and proposes that all requests for funding should be in before Drop Day. James rationalizes that giving houses money before events helps to promote the events. However, if the house has already held the event, giving the house multihouse money at that point does not promote the event. The BOD passes a resolution (6-1-0) as follows:

The BOD must be informed of a multihouse funding request either in person or through the social director before the event to be funded.

⇒ Greg says the prefrash party was great and that the social team did a b.....angup job (those weren't his exact words, but he was impressed). Greg's social team consists of: Jon Allen, Kristie Armentrout, and Robert Duff. Greg wants to add that the Caltech Y is a tremendous resource. Greg's planning to break ground for the oil well in the north corner of the Y Lounge, and he believes there might be a copper vein within the Caltech Y.

⇒ The BOD discusses the Tech Business Manager. Steve "Psycho Fish" Van Hooser enters the room. Congratulations to Francisco Gutierrez on becoming the Tech Business Manager. It only took us a month to find one.

⇒ Shay Chinn enters. Laura enters. Gavin, seeing that there are all five Tech editors and all nine BOD members present, senses an abnormality in the immediate universe and leaves. Heat flows from a cold body to a hot body. Wei-Hwa proposes a subcommittee to propose amendments to the Bylaws to the BOD about the Inside World in SAC 64 above ground by and

large within a week. Motion to create a subcommittee consisting of two BOD members and two Tech editors passes 7-0-1. The members of the committee are Greg Steiert, James Honaker, Terry Moran, and Shay Chinn. James and the editors leave.

⇒ Melissa has nothing new.
 ⇒ Laura says there's a problem with the snow chains for the van. The chains the KSA bought have no retainers but the chains that the Faceplant Club bought do. Laura also promises she'll put copy account request forms somewhere available within a period of time. Finally, Laura adds that some people want the old copier to remain in the copy room because coin-op is convenient.

⇒ Ken has nothing new.
 ⇒ Tom will meet with Gregg Henderson to discuss Olive Walk parking. Also, the GSC is looking into having an optional dental plan for Caltech students.

⇒ Kanna has (guess).....(nothing new)
 ⇒ Dave says he'll put up signups for Little and Big T and Totem offices (and Movies Chair). Dave also says there's not enough time to write minutes before the Tech deadline, so he'll put a blurb in the Tech and write the minutes later.

⇒ It's later.
 ⇒ Jon met with somebody from the Michigan Technological Institute. Jon also says we need to discuss Ath funding. No, we're not funding the Athenaeum. We don't have that kind of money. We have another kind of money. Change, anyone?

Respectfully submitted but not typed by:
 David Relyea
 ASCIT Secretary

(For 10 bonus points) Who typed the ASCIT minutes?

YNEWS

by Topher Hunter

As celebrations for Semana Latina continue, it's time for long-term planning at the Y. International Day is on May 19, and we need input in planning the events and activities. If you have ideas, energy, or just plain interest, drop by the Y and find out when the next planning meeting is going to be.

In addition, planning has commenced for next year's YHike. We need help with planning routes and food, checking out gear, and mailings. If you'd like to help, or you'd like to lead a group, drop by the Y and talk to Chris, or call x6163.

As far as events coming up soon, this Saturday, Mickie will be leading another hike up into the San Gabriel Mountains, somewhere in the vicinity of Chilao Flats. If you'd like to get out and about, come join us. Hikers of all experience levels are welcome.

Have fun with midterms, and hang in there: only a few weeks left!

From the ASCIT Treasurer

\$ ASCIT FORMAL: If you're one of the people going on the 26th, I need money from you. Write a check out to ASCIT, put your name and your date's name (if you're going as a couple) on the line at the bottom left-hand corner of the check, slip it underneath the door of Blacker room 20 or Greg's room and wow, you're one of the people going to the formal. It's as easy as one-two-three.

\$ CLUBS: Just because you were allocated money from ASCIT does not mean I'll automatically send you the check every term. You'll have to ask me on a term-by-term basis. Also, all the clubs that never handed in a budget money request and haven't contacted me, your deadline is by the next BOD meeting next Wednesday. After that, I'll have to abandon you. The secondary budget allocation for clubs will be announced in next week's Tech. I hope. Some notable clubs that have yet to contact me at all: Men's Glee Club, The Caltech Hong Kong Students Association.

Some clubs that have contacted me but have been flakes: CCSA, Racquetball Club, well, you know who you are. You can find me in Blacker 20 or if you rather not find me, email me at kannas@ugcs.

\$ MORE CLUBS: Trends on how the club money was decided this year:

1) How flashy you are. If you had BIG events where a lot of people showed up, we were generally generous. Case in Example: IEEE with it's EE Social Hour.

2) Longevity. We upped the money for groups like the Jam Room and the Student Shop where investment in the equipment is beneficial for the whole community. Would you be able to survive without the Jam Room PA stuff? Hmmm?

3) Number of ASCIT members. We actually did a breakdown of the club money per ASCIT member for each club and tried to even things out.

\$ AVERY HOUSE: Should Avery House be an eighth house? If you have a strong opinion about this, you should talk to David Wales. I, and a couple of other BOD/IHC members, had dinner at the MOSH's house and he seemed like he really wanted some feedback. Since it will house over 100 undergrads, and have it's own dining facilities, it would be natural for it to become an eighth house. If you end up in Avery, you're pretty much going to be spending most of your time there, and eat there with the other people in Avery. Isn't this enough to constitute another house? Avery should be up and ready by the fall of '96. This will be the year when this year's sophomores will be seniors. The immediate question seems to be will the new incoming frosh of that year live in Avery? If they do, who will pick them? Mull over it, and tell people like Kim West or David Wales what you think. They'd appreciate it.

\$ Thanks to everybody who showed up for the prefrash party. The party was DJ-ed by Wart (alum), Alex Lin, and Anthony Moliarno. Alex apparently managed to get \$400 worth of lighting for \$120. As Wart put it, "we pretty much took all that the store had left."

It would be nice if we had other events besides parties. The barbecue organized by Jim Pierce and the frosh night out apparently turned out great. It seems like it's always the same people who show up for parties anyway. As Tom Maccarone pointed out, there are people who find parties a bit intimidating, and it would be more "fair" if ASCIT sponsored a variety of events so that everybody could get their ASCIT-dues worth and more. Think up something funky, and tell your nearest BOD member. Or let your finger do the typing and mail to ascit@cco.

Clockworked and oranged (fresh, of course),
 Kanna

IHC Minutes: May 2, 1995

Present: The IHC and Nestor who arrives late.

- Intercollegiate tennis practice conflicts with the Interhouse games this week. Games are to be rescheduled to 7:30 p.m. the day they were supposed to be played. Individual house problems should be taken care of by Ath men.
- The new housing contract will be done soon. There is a new policy for single rooms that is similar to what is going on now. There will be a mini lottery for all spaces not filled to capacity and students will be allowed to choose to enter the mini-lottery or pay a 50% penalty to keep their room and not enter it. In general, Housing is taking the recommendations we gave them.
- Gregg Henderson told us he will do what he can to avoid giving parking citations, he wants to be able to contact people when

their car is parked illegally. If you get a ticket he can't revoke it, it's out of his hands, but he will help you fight it if you file to revoke it. In the parking structure you can park in unreserved spots, and on weekends you can park in any space unless designated as a 24 hour reserved space (RA's etc...). If you will be parking on the Olive Walk and will be leaving your car unattended for any period of time (unloading for social event...etc) please call security and tell them. Gregg also confirmed that many of the problems experienced at the parties were from people who came with the band.

• Faculty student committee interviews will be scheduled on Saturdays for the remaining slots when we need extra time.

• Tom reviews our concerns about Avery House, he has a sheet made up that he will eventually be presenting to Gary

Lorden.

- Art wants to know how houses are determining their frosh spaces, when we get the count on Friday we will have a quick meeting to determine who takes how many.
- Lloyd lost 2 couches and 1 pool cue. If you have them or know where they are, tell him.
- Brian is probably still looking for his cushions.
- Off campus alleys are discussed, but no trades look probable.
- Lloyd challenges Fleming in Discobolus this week, Ricketts will follow.
- Meeting adjourns at 11:25

Respectively Submitted,
 Laura Brady
 IHC Secretary

PATTERSON

leagues established that lead is present in the environment in huge quantities—at levels up to a thousand times greater than in ancient times.

Patterson obtained natural background lead levels for earlier times by testing snow samples that he retrieved from the icecaps of Greenland and Antarctica. He developed novel techniques in order to conduct these extremely precise analyses.

In recent years, medical research has established medically significant consequences of lead poisoning at lower and lower dosages. Effects of environmental lead include lowered intelligence in exposed children.

Patterson traced a chain of lead contamination from the gas pump and other environmental sources directly to the human blood stream. His research gave rise to a political effort that resulted in a phased end to the sale of leaded gasoline. Other government action has cleaned up such sources of environmental lead as paints, water pipes, food containers, and smelters.

Environmental scientists Mitsunobu Tatsumoto and Todd K. Hinkley of the U.S. Geological Survey nominated Patterson for the Tyler Prize. "The connection between the scientific and the humanistic sides of [Patterson's] work are stronger than may have ever been the case in [nonmedical] scientific research," they wrote.

"Patterson has never slanted statements of his results to accommodate or placate special interests, either within the scientific community or outside... The lesson has been given to other scientists that, if they have

FROM PAGE 1

the vision, their ... work has the potential to immediately affect the well-being of the world."

The Tyler Prize was established in 1973 by John Tyler, founder and longtime chief executive officer of the Farmers Insurance Group, and his wife Alice. Both lifelong lovers of the outdoors and the natural world, the Tylers hoped that by creating an internationally significant honor to recognize achievement in the fields of environmental study and environmental protection, they could help focus world attention on environmental problems and help motivate effective action toward solutions.

Alice Tyler organized and financially supported the prize after her husband died in 1973. In that year, an executive committee was appointed to select prize winners. The first Tyler Prizes were awarded, in 1974, to Arie Jan Haagen-Smit (the Caltech scientist who first described the mechanism of photochemical smog); ecologist G. Evelyn Hutchinson; and United Nations Environmental Programme founding director Maurice Strong.

From 1981 through 1993, the University of Southern California administered the prize in cooperation with Alice Tyler. After Mrs. Tyler died in 1993, an endowment was established at USC to found the Tyler Prize in perpetuity.

Last year's Tyler Prize was awarded to two botanists associated with tropical forest research and protection, Arturo Gomez-Pompa of the University of California, Riverside, and Peter Raven of the Missouri Botanical Garden.

CHRISTMAS

FROM PAGE 1

exhaust duct could be removed, and the kitchen sink was cut into the counter to stop the wood from rotting away. Outside, the beautiful but huge trees were trimmed back from the house by Steven's Tree Service. (It was incredible to watch those guys swing around in the tree and hold their chainsaws at arm's length with one hand!) Countless other time, product, and financial donations from Pasadena's businesses helped make it all happen. In Peter's words, "I think everyone who came in and worked on the house felt really good about what they were doing after meeting Alta."

All told, over 300 volunteers turned out to help with renovations on the seven houses adopted in Pasadena by Christmas in April this year. Although all the houses underwent beautification, including painting and yardwork, the most important changes were safety and comfort improvements made to help the houses' owners continue to lead happy and independent lives. Nationwide, since its start in 1989, Christmas in April has performed \$26 million in renovations on 18,500 houses,

with the help of a half-million volunteers. Counting this year, 32 homes have been renovated here in Pasadena. This shows the impact the program has had in living by its motto, "Making a Better Community One House at a Time."

Andy Cameron has led Caltech's charge into the Christmas in April program. Although as 615 Howard's house co-captain he was a blur of activity and organization on the actual working days, his commitment to the program has been year-long. Andy is a member of the 1995 Board of Directors, and as Chair of the Volunteer Committee he worked hard recruiting volunteers and organizing them into teams for each of the houses.

Andy wasn't the only one from Caltech helping with the program. Beyond the obvious contributions of the students (7 undergrads and 2 grads) that showed up on Saturday, Athena Castro at the Caltech Y organized the volunteers and Dick Barker, superintendent of the Physical Plant shops, helped with materials. Rob Rickenbrode, an Economics major, also helped with Christmas in April throughout the year, as a workstudy student courtesy of Caltech.

DILBERT ® by Scott Adams

RUNNING BEAVERS

FROM PAGE 4

and is peaking perfectly with wins in his last three 800-meter races. He will also contribute mightily to both the 400-meter relay and the 1600-meter relay. He will be assisted on the short relay by Art Greenberg, Evan Reed, and Rob Bergeron. With their displays of blazing speed in recent meets, the only thing that can hold this team back is a bobbled baton hand-off. The long relay team replaces Evan with Matt Metz and that combination had a major breakthrough on April 22 with a 3:28 clocking, slicing a full two seconds from the previous best time. Both relay teams are solidly in the hunt for All-Confer-

ence accolades. Coach Frank "Little" Hinckson has high hopes for both relays. Bergeron and Greenberg will also be contesting the open 400-meters and Matt Metz is making a solid charge in the 110-meter high hurdles, the 400-meter intermediate hurdles, and the javelin.

Gretchen Larson is in contention in all three jumping events. Although her training was slowed with a mid-season injury, she has rebounded well and has rounded into top form. The long jump takes place on Wednesday night with the high jump and triple jump on Saturday. Gretchen owns the current school record in the high jump

and equaling that height would probably earn her All-Conference honors. She will be a major force on both relay teams as well.

All of our athletes, far too many to name here, are primed and ready to turn in the best performances of their lives. It would be a terrible shame if you, the sporting public, were to miss these ultimate efforts. On Saturday, the meet starts with field events at 1:00 p.m., running events begin at 3:00 p.m.. Come on out and shout your approval upon seeing the spectacle of top quality track and field competition! Beaver Power!!!

Ath Election Results

Votes:	Grace Yang	"No"	other	abstain	total	error
Init results	81	39	40	7	167	4
First redist.	84	0	45	38	167	4

Grace Yang wins election with 84 redistributed votes. A candidate must have an absolute majority to win.

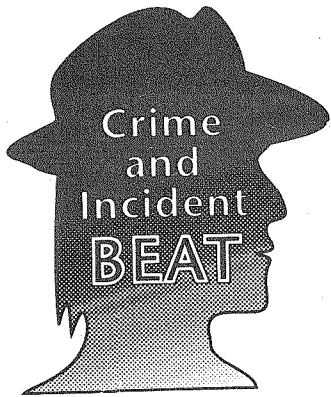
Initial results: absolute majority = $(1 + \text{error} + 1/2 (\text{number of correctly-cast non-abstaining votes})) = 85$

First redistribution: absolute majority = $1 + 4 + 1/2 (167-38) = 70$ (rounded up). Grace wins with absolute majority of 84 vs. 70.

April 17

Lost Item

At approximately 5:30 p.m., victim accidentally left an Apple portable computer valued at \$2,000, in the parking area near 320 South Chester. Anyone with information please contact security.



Vandalism

Victim parked Blue Chevy Truck on the north side of California Blvd. at 7:50 a.m. Upon returning at 12:00 noon, discovered the passenger side window shattered. Nothing was taken from vehicle.

The cover of the airbag was partially removed. Nothing was taken from the vehicle.

Attempted Break-in

Victims returned from vacation and discovered the lock on the apartment door was loose. Entry into the apartment was not made.

Theft

Red Murray bike, with child seat, valued at \$140.00. Victim parked bike at the Noyes Lab bike rack at 9:15 a.m. Upon returning at 12:45 p.m. discovered the bike missing.

April 18

Theft

Two bicycle tires, valued at \$70.00 were taken from the Catalina complex. One front tire removed from a bicycle parked in the 180 Catalina apartments; A rear tire taken from a bicycle parked in the 188 Catalina apartments.

Theft

Honda driver's side airbag, valued at \$1,200.00. Victim parked vehicle in the North Lura Lot at 8:30 a.m. Upon returning at 5:45 p.m., discovered vehicle unlocked and the driver's side airbag and cover plate missing. Suspect gained entry by forcing an object just below the driver side door handle. Pasadena Police notified.

April 19

Theft Attempt

Victim parked vehicle in the North Lura parking lot at 12:15 p.m. Upon returning at 6:30 p.m., discovered the rear right window shattered. The suspect opened the hood of the vehicle to cut the electrical wires connecting the driver's side airbag.

April 20

Theft

Front bicycle tire, valued at \$50.00 was taken from the Baxter building bike rack. Victim parked the bike at 9:00 a.m., returned to the bike at 6:30 p.m. and discovered the tire missing. The tire was attached with a

quick release.

Theft

Victim left his wallet with other items inside an unsecured locker in Braun Gym at 9:00 p.m.. Upon returning at 9:45 p.m., \$20.00 was missing from the wallet.

April 21

Homicide

Victim, Francisco Mora was shot by the east entrance of SAC building off California blvd. Suspect has been identified. Pasadena Police responded.

April 22

Theft

Four victims left their purses in room 238 of the Ruddock House at 6:30 p.m. Upon returning at 7:00 p.m., discovered money taken from their purses. A total of \$245.00 was taken from the purses.

Injury

At approx. 9:30 p.m., a subject approached security on Olive Walk and stated that his wrist was injured while playing tag. He was transported to Huntington Memorial Hospital.

April 24

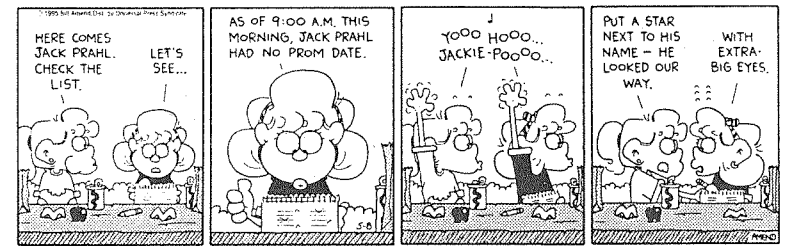
Injury

Victim slipped off front driver's side fender while exiting truck and hit his head on the pavement. Paramedics responded to the scene and transported him to Huntington Memorial Hospital. The victim was not Caltech affiliated.

FoxTrot

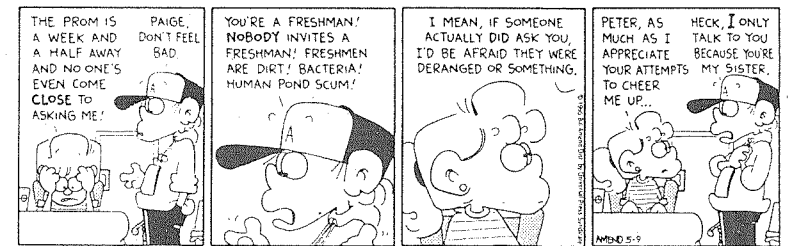
FoxTrot

by Bill Amend



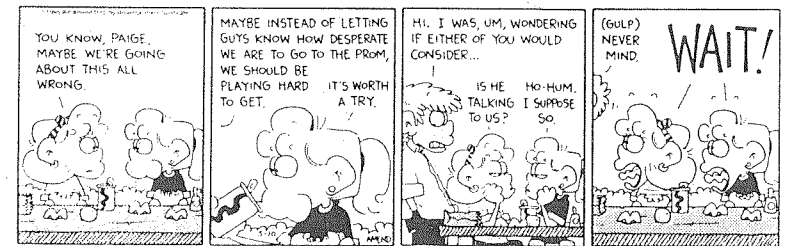
FoxTrot

by Bill Amend



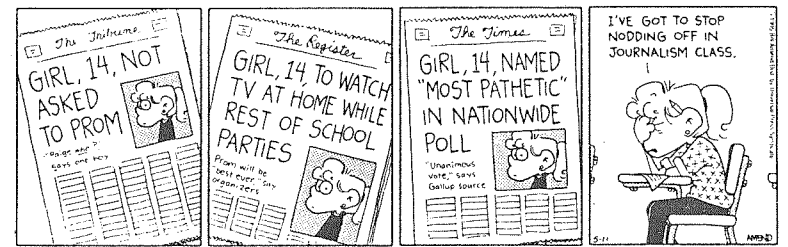
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by Bill Amend



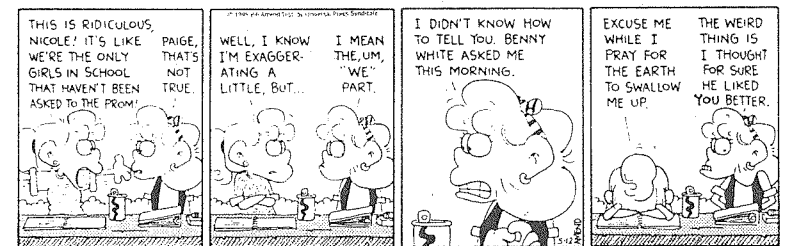
FoxTrot

by Bill Amend



FoxTrot

by Bill Amend



FoxTrot

by Bill Amend

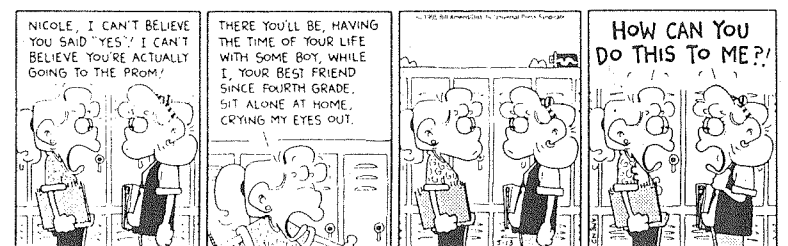


photo by Ron Cidseg

IF YOU DON'T WORK FOR THE TECH, WE'LL STRANGLE THIS CAT

Hey, we're not kidding; we're desperate. Just look at the staff box. We need people. We also need writers, photographers, layout trolls, and in general, anyone who can be coherent occasionally.

Drop by the Coffeeshouse at noon on Fridays. Or else.

Bouncing Chairs, Where Will It End: A Social Commentary

(aka the "Respectively Submitted" page's anti-particle—fold paper with caution)

By J. Random HercFrosh III and Lauren

Today's Target: We love the Inside World so much...

Ricketts House:

Last Saturday, Wei-Hwa Huang was scheduled to appear on the Saturday afternoon chat show "The Rachel Hunter Hour." His appearance wasn't to be of an interview nature but rather to involve his death. Yes Wei-Hwa Huang volunteered to appear on "The Rachel Hunter Hour" to be killed by a host of angry and Tech-hating Scurves. However, when the time came, Rachel found herself alone in the sKURV radio room. What went wrong?

First of all, it was all but one hundred percent certain that Wei-Hwa would make his much-anticipated appearance. Secondly many had said they would stop by to participate in the killing since Rachel is too kind-hearted to kill anything much larger than a squirrel (but oh what a bloody squirrel death she eloquently described on her show while waiting for Wei-Hwa). Apparently, while the show was being broadcast live, Wei-Hwa was in Cherry kitchen battling valiantly in chess. He met his death, but that wasn't good enough to satisfy even the most apathetic of sKURV radio listeners. Rachel interviewed Wei-Hwa for the remainder of her show and was invited to kill him live on his show which would be airing on Monday.

Although it was improbable that Rachel would kill Wei-Hwa, the Monday show never happened. Wei-Hwa's show never aired. Why? sKURV radio is dead. sKURV radio was sabotaged. Coincidence?

Respectfully Submitted by Hierarchical Love Unit

Avery Center:

So we inhabitants of Avery House, er Center, found in our mailboxes (location to be determined) this afternoon an announcement of a ground-breaking ceremony to be held early next week. Four words: What's up with that? We displaced sophomores of the other seven fine centers, er houses, have been living just north of the MOSH for more than seven months what with the housing crunch and all. Why are they only now beginning construction? It might have been nice to have a roof over our heads before the torrential rains of January washed our precious few belongings away. What fool is responsible for this planning?

And while we're on the subject of planning... what's with this whole "Center" bullpooie? Its a G-ddamn house. A house we tell 'ya. A HOUSE! Not a center. Not a convention hall. Not a museum. It is a place to sleep. It is a place to socialize. It is a place to eat (God willing, the food will be better than the dung dished out in the other seven centers, er houses). And, if properly conceived, it is also a place to sit by a fire and warm our chilled bones. Or maybe roast a few cats.

If we perceived as anything other than a house, we will be distanced from the Caltech community. We will be outcasts. Now, don't get us wrong. This has its advantages. We will no longer be considered members of the 'Caltech Community' and so will not be bound by the Honor Code. This will give us the fantastic opportunity to cheat our butts off. Being that the House, er Center, will be little more than a home for wayward

sophomores, we will no doubt be able to improve our 'proficiency' in those damn sophomore year core classes that serve only to lower the GPAs of those bound by the Code. Avery House, er Center, might then be the greatest thing to happen to biology, chemistry, and other 'soft science' majors that twitch at the thought of taking math and physics.

And while we're on the subject, since we do hereby formally reject the idea of being a center, our members have taken it upon themselves to officially announce their house-member name. There are the lame names, derived from the house name itself: Lloyies, Page Boys, Rudds, Flems, and Darbs. And, of course, there are the imaginative names: Moles, and Scurves.

• From this point forward, we, the denizens of the Hovse of Avery, shall be known as "Oosiks" (pronounced "oo-sicks", singular "Oosik"). For those interested in the derivation, think south, north, Arctic houses. Now think walruses. Alternatively, think Avery, ivory, walrus. "Oosik" is a native Alaskan word relating to walruses.

Thank you for your cooperation. Respectfully submitted by Milton Avery (1893-1965)

Point Totals:

Avery Hovse: VI
Blacker Center: -3
Dabney: 0
Fleming: 0
Lloyd: -0
Page: Nothing
Ricketts: 2
Ruddock: 0

Rock Bottom Restaurant Expensive, Tasteless English Food

by Michael Kantner

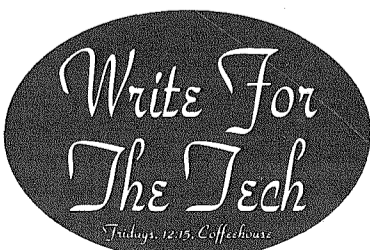
In my continued attempts to get a good steak in Pasadena, I visited Beckham Place. I always wondered about the restaurant that had the funny car out front, but never took the time to visit, until now. The Entertainment Card book (a Christmas gift) listed the restaurant as a meat and potatoes place with the atmosphere of an English pub. The food sounded interesting, and with a half price discount (from the Entertainment Card), I decided to try it.

Most items on the menu sound promising. Unfortunately, the food never lived

up to its descriptions. My date and I started with the mushrooms stuffed with crab meat. The crab meat had no flavor, and the mushrooms were soggy. We hoped that our entrees would be better. I ordered the pepper encrusted steak, she ordered the bacon wrapped filet mignon. Both came with twice baked potatoes, vegetables, and creamed corn. Both steaks were nicely cooked and well sized (large), but lacking in flavor. The vegetables were uninspired, and the creamed corn was bland. The potatoes were the best part of the meal because they actually had some flavor. After the entrees, we weren't in the

mood for desert.

Beckham Place is located at 77 West Walnut, a couple blocks east of the freeway interchange. You can't walk there from campus and they only have valet parking. Some street parking is available. Reservations are recommended, even if the restaurant is not. Entrees are



MOVIE REVIEW: BRAZIL

By Zane Crawford

Imagine a technologically advanced world in which nothing works; and imagine a man with no dreams, except of love. Then imagine that in order for something not to work, or for someone to fall in love, you have to fill out a form J-26B. That might give you some picture of the movie Brazil, directed by Terry Gilliam, formerly of the Monty Python troupe. The movie is a vicious satire on governmental inefficiency and bureaucracy, and especially on the "troubles" between England and the territory of Northern Ireland, depicting Sam Lowry fighting an endlessly frustrating world filled with terrorists, plastic surgeons, heating engineers, interrogators, and of course, his mother.

Brazil begins on a Tuesday, somewhere in the 20th century, at 8:49 p.m. In this movie you will find "heating engineers" that are alternately terrorists (played by Robert De Niro) or mindless thugs, and you will find Sam Lowry (Jonathan Pryce), from the Records Department, whose mother knows simply everybody, and isn't afraid to show it. In the Records Department Sam has absolutely no chance of being noticed by anybody, and that's the way he likes it, until Archibald Buttle: shoe repair operative, is mistaken for Archibald Tuttle: heating engineer (his good friends call him Harry). Buttle is abducted by the minions of the Ministry of Information (M.O.I. for short, which you might recognize as "me" in French). The M.O.I. is a sprawling bureaucracy which is responsible for everything, and thus can be held accountable for nothing. Jill Leighton (Katherine Helmond), the woman of Sam's dreams, is witness to this mishap, which marks her to receive an "invitation to assist operatives of the Ministry of Information".

Terry Gilliam is notorious for going over budget on everything, and sticking in every little detail that he thinks of as filming goes along, and Brazil is no exception. The architecture and settings are downright awe inspiring, both in their magnitude and hideous irony. That's really what this movie is all about: irony after irony after irony, all in fantastic detail. Pay attention to the government propaganda posters throughout the film; some of them are hilarious, like "Power now. Problems later." at the nuclear power plant where you will find a dozen or so workers in radiation suits playing volleyball. This movie is one long trip into a surreal, dream-like world, that may not make much sense the first time through, but I would say that it is worth seeing more than once, since even on my eighth (or is it ninth?) viewing I caught new details, like the fact that everyone in the movie, except for Sam, wears gloves at some point.

You begin to wonder as the movie goes on, and gets stranger and stranger, whether it is Sam who is insane, or if it's everyone else. Throughout the movie Sam is falling asleep, and into a dreamworld that more and more closely resembles the real world as time goes on, until finally you cannot tell them apart. There are so many places that this movie could end, but doesn't, kind of like some visual Beethoven symphony gone mad, lifting you up to higher heights and then dropping you to lower lows with each passing scene, which, by the way, never seem to be more than about 2 minutes long. The best part is, depending on what copy you happen to see, you can get a couple of different endings. This kind of bothers me. I'm left wondering what Terry Gilliam actually intended. All in all, Brazil is one of my favorite movies, even though the ending is a little too drawn out and stressful. Oh, and the music is wonderful....

"Brazil.... There's just one thing I'm certain of... Return... I will... to old... Brazil... BRAZIL!" (from "Aquarela do Brazil", a Brazilian samba)

by Sharon & Marc

Ah, springtime! Love is in bloom, and flowers are in the air. The weather's warming up, and before you know it summer will be here. And you know what that means. Soon it'll be fall. Followed by winter. And what do we do in the winter? That's right! We wish it were spring. And here it is! My how time flies. What was our point again? Oh yeah!

Summer is quickly encroaching upon us, and with it comes the bane of all self-respecting humans, swimsuit season. Technically speaking, a handful of people actually look forward to showing off their wonderful bodies, but we usually don't care because we know that we're smarter or nicer or better athletes than them anyway. Most of us, however, are forced to ponder just how a tiny scrap of fabric will cover everything that legally cannot be revealed in public, and yet still look enticing/sexy/at-least-not-repulsive. Despite what the fashion industry would like you to believe, the answer does not lie in a new cut, drape, color or pattern. Nor is the answer a great tan nor bleached blond hair, although that might temporarily divert an observer's eyes.

There's only one way to walk with pride onto a public beach wearing only a bathing suit, and maybe some thongs. And no, that method doesn't require a really big towel. Yes, we think you've already guessed where we're headed. You're going to have to bite the bullet. But don't swallow! Because it's time once again for the annual S&M Weight Loss Extravaganza! Want to know how to eat whatever you want and still lose weight? We can tell you how. Need help motivating yourself? We can provide it. Want to give us all your money so that you can't afford food? We can do that too (See Weight Loss Plan #18, "Self-Induced Poverty").

If you're like us, and not like those disgustingly non-overweight people that we all love to hate, and maybe stone in the public square for fun, then read on!

We've spent the last few weeks investigating every diet plan we could lay our hands on. And the research was

more than just intellectually grueling. We both had to lose and regain ten to twenty pounds on every diet we tested. After all, we would never recommend to you, our lovely readership, any kind of diet plan that we ourselves hadn't tried. That would be irresponsible. Also our lawyers told us not to. Our lawyers also told us to mention, in an offhand kind of way, that none of the following diets are necessarily guaranteed to work one hundred percent of the time, and could, under the rarest of circumstance, cause seizures or blindness. But not death! So on with the show!

Diet Plan for Men: Let's face facts. Men and women *are* different, and we're not just talking about breasts and hairy faces! Men and women are different on the inside too. And we're not just talking about livers and adrenal glands! Women, there's no need for you to continue reading this paragraph, it's just filled with distasteful macho-type weight-loss grunting. Just go ahead and save yourself some grief and skip on down to the next paragraph. See you soon! Okay! Men, do you need to lose weight? Well, just skip lunch. You can still eat dinner. Heck, you can probably still eat lunch most of the time. Just make sure to miss it every now and then, and those pounds will practically fly off of you! However, there is some risk involved in this diet. If you do not follow the following instructions to the letter, it may result in grave personal injury. Do *not*, under any circumstances, reveal the true nature of your weight loss plan within earshot of any women. Even though they probably know that all you have to do is skip a meal or two, they become infuriated whenever they're reminded of that fact. Our suggestion is to lie through your teeth, perhaps something like this: "How did I lose all that weight? Well, I swim four times a week and only eat salads for dinner. Isn't dieting horrible?" Good luck men! Oh, and don't forget to read the rest of this column, just for appearance's sake.

The "Sports, Sports, Sports" Method: Do you like sports? If not, you're going to learn to like 'em! Because in this diet, you play sports 'til yer

sick! Too tired to eat. Too tired to sleep. Almost too tired to read our column. What kind of sports? Glad you asked. How about basketball? Not only challenging but completely exhausting! Or maybe Unihoc, also known as Swedish Floor Hockey, where you race back and forth inside a gymnasium trying to shoot a three-inch-wide wiffle ball into a three-foot-wide goal using plastic hockey sticks (Men, wear a cup! That wiffle ball can really sting). For you chlorinaholics there's Speed Synchronized Swimming. It's not just dancing in the pool as fast as you can; it's synchronized, for your protection. Finally, there's Marc's favorite sport, the Grounds keeping Olympics. How fast can you mow Marc's lawn? Weed his back yard? Prune his roses? Only one way to find out! Contact Marc for contest information.

The "Interview with a Columnist" Diet: Marc: So, Sharon, I hear you've been doing a little traveling lately.

Sharon: I have indeed! I recently drove through a few of our great country's southwestern states, viewing such national landmarks as the Grand Canyon, Bryce and Zion National Parks, and the Luxor hotel in Las Vegas.

M: Oh my! It sounds thrilling. But I hear the excitement didn't stop after you returned.

S: How right you are! After a vacation has ended, all you have left are the memories. And the souvenirs. And the photos. And, in some cases, videos. What was I talking about again?

M: The photos you needed to duplicate for your companion.

S: Exactly! I went to Fox Photo, that place in the Plaza Pasadena.

M: And why did you choose them? Could it have been the sale?

S: You are correct sir! Fox was advertising a sale on photo reprints. So I ordered about a hundred, at the discounted price.

M: And did anything of interest occur when you paid for said reprints?

S: I'll say! They tried to charge me the original price! Naturally, I would hear nothing of it. After an excessive delay, they finally corrected their error. But get this: when I received my credit

card bill, what did I see but the original (undiscounted) price! All this after I had to go to the bank a few times to correct problems that they'd done!

M: Those scary ones! If only you had some recourse in which to warn your fellow consumers, some forum in which your voice could be heard.

S: So true! Alas, my story is fated to go unheard.

M: Whew! All the interviewing questions have left me exhausted! I must have burned up a thousand calories alone on my note-taking!

S: You're tired?! Think of how debilitating it is to be the interviewee!

M: I think we can call this diet an unqualified success.

The Localized Diet: Do you have only certain parts of your body that you need to concentrate on? A highly localized diet might be the way to go. Marc recently noticed that his thumb was getting a little flabby. His intensive routine involved watching many hours of television every day, but not lingering on any one channel for more than fifteen seconds. After three days his thumb was back in tip-top shape! On another occasion, Marc noticed that his jaws seemed a little weak. The solution: chewing exercises, utilizing the most effective means of jaw-muscle resistance available: Doritos. A bag a day for eight days, and Marc's jaw was strong enough to eat squid! These days, Marc stays on a maintenance diet of television and chips, and so far there has been no hint of a relapse.

The Binge and Barney Plan: Are you tired of low calorie, low fat, low taste diets? Wouldn't it be great if somehow you could eat as much of anything you wanted, and still lose weight? Well now you can! Ice cream, burgers, beer, avocados and even pints of pure lard are no longer off-limits to people like you and us. After you've completed a meal (normal or roman-style), just sit down in front of any handy television and watch an episode of "Barney", the most intellectually sickening children's show to ever star a simpering milquetoast in a purple dinosaur suit. We've found that the average time it takes for "Barney" to induce vomiting in adults is a speedy

13.2 seconds, after which you won't be able to eat again for two days! This was our most effective diet, although several of our fellow researchers required some counseling afterwards. Warning! Do not look directly into the screen, as you may either be driven mad or short out your television. As they say in England, "Gimme a bucket!" This diet plan has also been known as the "Binge and Power Rangers Plan", "Binge and Simpson Trial Trial" and the "Binge and Contract with America Platform".

The Looove Diet, Exciting and New: Ah, love. Nothing is a better motivator to lose weight. First you have to look good to attract someone. Then you have to stay looking good for those first few dates. And then you really have to look good, because let's face it, no matter how baggy or well-cut or vertically striped your clothes are, they won't do you a bit of good if they're heaped on the floor of your bedroom. By this stage of the romance (often referred to as "the sickening fazz"), you won't need to eat, because love itself will sustain you indefinitely. And then it happens. He leaves the toilet seat up. She leaves the cap off the toothpaste. Trouble in paradise. Most relationships come to an end, and rarely are both parties happy about it. But this cloud has a silver lining: you're too miserable to eat! Even the sight of food creates a pit in your stomach. That melon reminds you of her. That hot dog reminds you of him. Or was it the cocktail weenie? No matter. And did you know that uncontrollable sobbing is actually a highly efficient aerobic exercise? You may be lonely, but as it says over the door to the super model wing of the Beverly Hills Clinic for the Eating Disordered, "It's better to look good than to feel good."

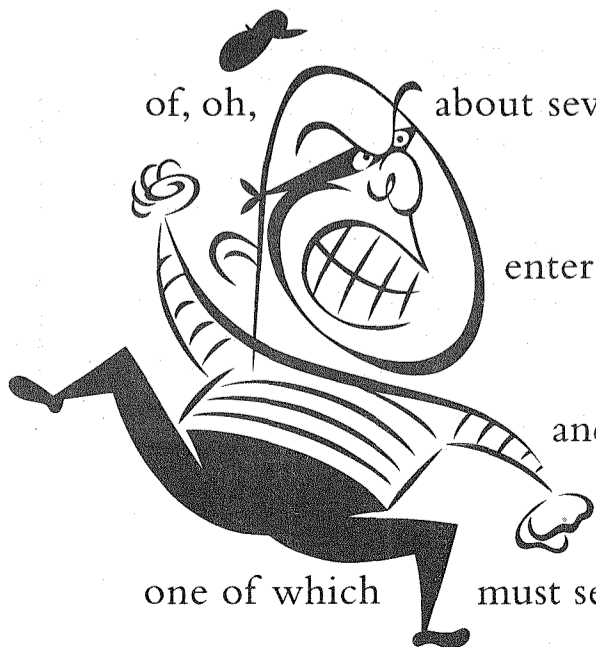
Well, thank you for joining us on this little adventure in self-discovery and personal pride. We'd like to stay longer, but we're off to play Unihoc! (Tuesdays and Thursdays from ten to midnight, Sundays four to seven, in Brown Gym. Tell Ben and Leah that S&M sent you! We get a bigger commission that way.) Good luck to all you Baywatch bod wannabes. Who knows? Maybe next year we'll be throwing the stones at you!

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CSS Space News

By Ross Brown

Welcome to another long-awaited edition of CSS Space News. This week, we have a diverse set of topics ranging from more planetary impacts, cubical robots, and the existence of a lunar atmosphere. So get ready to join the fun!

R2-D2's Ancestor in the Works

For astronauts of the future, building in microgravity environments will be difficult with only two hands that nature provided us with. That is why a extra set of hands is being developed at Johnson Space Center in Houston, Texas.

The device in development now is a small robot that looks like a cubical version of R2-D2 from Star Wars. It has two arms with three fingered "hands" and a foot. The eyes are "pan and tilt" (visualize two cylinders with a cross member connecting them) sensors that can see in stereo.

The arms are being tested currently in the "Vomit Comet", a KC-135 airplane that has been converted to a dive-bomber to simulate microgravity environments. It should be in operation by 1998, ready to help astronauts with building the International Space Station, estimated to take nearly 900 hours of EVA-Extra Vehicular Activity) time.

Probing the Lunar Atmosphere

Our moon has an extremely tenuous "atmosphere," gases given off by the surface that cannot escape the moon's weak gravity. As it turns out, a gas found in abundance in the lunar "atmosphere" is sodium. Luckily for us, sodium atoms are very easy to detect because they scatter sunlight well. The sodium atoms are not the most numerous in the lunar atmosphere, rather it is the most visible. In this way, it acts as a tracer for other gases present.

Measurements made at McDonald Observatory in Texas reveal a gas envelope that extends out to 6 lunar radii, almost 21,600 miles across! Professor Michael Mendillo and grad student Brian Flynn mapped the distribution of the sodium atoms with latitude

and radial distance from the moon. They published the results from their 1991 project in the July, 1993 edition of *Science*, so go look it up!

Pluto and Charon's Strange Orbital Dance

On the edge of our solar system, Pluto and Charon, the two smallest planets in our solar system, rotate around each other every 6.2 days. Images taken from before the repair of the Hubble Telescope have revealed that this orbit may be elliptical. This has puzzled planetary scientists who study Pluto because the gravitational forces between the two bodies should have changed the orbit to a perfectly circular one.

The reason this should be so is that the two planets are so close to each other (19,200 miles, approximately the diameter of our Earth) that they are "tidally locked". This means that the rotation period of each body is the same as the orbit period for both bodies, causing the same face of each planet to be seen from the other. Our own moon is tidally locked to the Earth (we only see one hemisphere for the whole month), but not vice-versa.

The most likely theory (the simplest, read: Occam's Razor) is that sometime in the very recent past an object slammed into Charon, knocking its circular orbit into an elliptical one. The time frame for such an event to have produced the degree of "ellipseness" (called eccentricity by astronomers) is about ten million years ago. This would not have given Pluto a chance to iron out its companion's orbit back into a circle yet. David J. Tholen of the University of Hawaii speculates that the darker regions on Pluto may stem from such an impact, seeing as how Charon is quite a bit darker than Pluto.

This makes a mission to the two outermost planets extremely exciting, especially after witnessing impacts like Shoemaker-Levy 9. Vote "Yes!" on Pluto Express!

If you are interested in CSS or its activities, please email css@cco.caltech.edu.

COPING WITH TRAGEDY

FROM PAGE 1

scribed above are normal reactions to an abnormal situation. We will deal with this in different ways, ways that are based on the kind of person we are and the kind of support we receive from others. One thing we do know about loss is that acknowledging it helps. Reaching out to others reaffirms the value of

human contact and can comfort those who reach out and those they reach out to. It helps us accept what has happened and find a way to go on without forgetting what means so much: a person's life and our need to feel safe.

If you would like to speak with someone about Javier's death or anything that his death

has brought up for you, I encourage you to do so. Student's can contact the Student Counseling Center at x8331 and staff and faculty can contact the Faculty, Staff and Consultation Center at x8360. Individuals in other Student Affairs offices can be helpful as well. I hope you will consider talking with someone at these services or seek out friends with whom to talk.

SCHOLARSHIP WINNERS

FROM PAGE 1

the effective and inspirational leadership she provided in her participation in student government and extracurricular activities. Angie has given a great deal of service to the entire Caltech community by participating on the Caltech YBoard of Directors, the Caltech Women's Center Advisory Board, and serving as Treasurer of the Society of Women Engineers. Angie served briefly as ASCIT President during her sophomore year. Her election as a sophomore is a tribute to her high visibility and her degree of participation in student activities. She has also been instrumental in forming, recruiting, and participating in women's intercollegiate volleyball and basketball.

You can find Angie in any one of the student houses talking to people about anything from classwork and campus issues to travel and basketball. There is not doubt that Angie is very deserving of the Bibi Jentoft-Nilsen Memorial Award.

David Chavez Awarded Beinecke Brothers Memorial Scholarship

David Chavez, a junior majoring in chemistry, has been awarded a Beinecke Brothers Memorial Scholarship to be put toward his graduate education. This was the first year Caltech was invited to nominate a junior for this scholarship. Nominees are considered for superior strength of character, intellectual ability, and sense of purpose. Sixteen awards were given this year

from a total of 46 nominations. The Beinecke Brothers Memorial Scholarship Program was established to commemorate three brothers Edwin, Frederick, and Walter Beinecke—through awards to young men and women of exceptional ability and achievement. Since 1975 the program has selected more than 140 college juniors from 63 schools for support during their senior year and for two subsequent years of graduate study at a university or professional school.

Students Awarded Barry M. Goldwater Scholarships

Eric Dickson and Jane Brock have been awarded Barry M. Goldwater Scholarships. Eric is a junior majoring in theoretical physics and Jane is a junior majoring in chemistry. The Barry M. Goldwater Scholarship and Excellence in Education Foundation awarded 285 scholarships for the 1995-96 academic year to undergraduate sophomores and juniors from all fifty states, the District of Columbia, Puerto Rico, and the United States Territories. The Goldwater Scholars were selected on the basis of academic merit from a field of more than 1,300 mathematics, science, and engineering students who were nominated by the faculties of colleges and universities nationwide. The Scholarship Program honoring Senator Barry M. Goldwater was designed to foster and encourage outstanding students to pursue careers in the

fields of mathematics, the natural sciences, and engineering. The Goldwater Scholarship is the premier undergraduate award of its type in these fields.

Roman Muchnik Wins Fredrick J. Zeigler Memorial Award

Roman Muchnik has been chosen to be this year's winner of the Fredrick J. Zeigler Memorial Award. This award was established in 1989 to honor Fredrick J. Zeigler, a member of the class of 1976 and an applied mathematics major. The award is given to a pure or applied mathematics student in the sophomore or junior year who has shown excellence in scholarship as demonstrated in class activities or in preparation of an original paper or essay in any subject area.

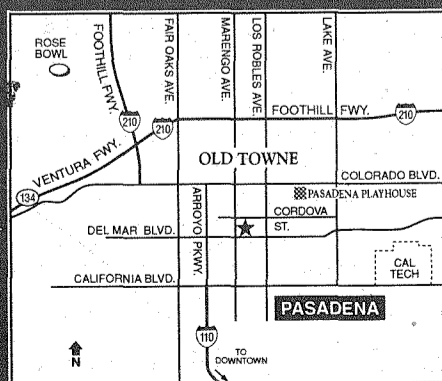
Roman is a junior majoring in mathematics. He was previously awarded an H. J. Ryser Scholarship for academic year 1994-95. The award was based on the recommendations of his mathematics professors, success in classes and interest in mathematics, which he exhibits to a high degree.

Last summer Roman attended a program at Louisiana State University, Mathematics Research Experience for Undergraduates, and worked in the area of algebraic geometry. One of the papers he wrote based on his research is titled, "Bounded separation problem in dimension 2." It has been placed in competition for a Bell Prize.

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Caltech Bike Rally Held

By Riley Geary

The annual Caltech Bike Rally was held Thursday on the north side of Winnett. At least 40 bike commuters wandered by at some point or another, and over 55 registration forms were filled out in support of California Bike Commute 1995 (and for a chance at winning various prizes both locally, and city and statewide). While the usual haphazard organization delayed the prize drawing until a little later than originally desired, we did finally manage to find winners for all the various prizes being

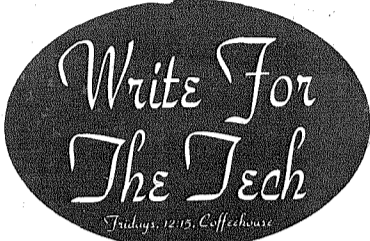
given out, with Graeme Whittington riding off with the grand prize commuting bicycle. The audience participation "Ugly Bike Contest" was won by Jack Siegal with all sorts of odds and ends hanging off his particular 'aesthetically challenged' two-wheeler.

Reporters from the Star News and L.A. Times were on hand to cover the festivities, and participants were able to snack

on a variety of cookies while awaiting the prize results. Perhaps next year we'll be a bit better organized in our efforts to persuade the motorized masses that the bicycle just might be a better way to get to work and back. Further info on our Cyclo-Commuting Incentive program can be obtained from Riley (the Iron Tortoise) Geary at 252-21, x6946, or email to: riley@bombay.gps.caltech.edu.



The freshmen editors were startled to find out that Caltech had cheerleaders at one time.



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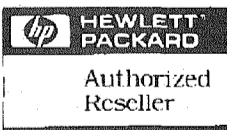
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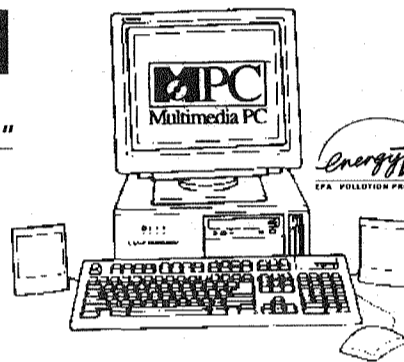
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MGC 15" 1280 .28 NI "GREEN" SVGA	\$295
ACER 14" 1024 .28 NI SVGA	\$245
ACER 15" .28 NI, LR, "GREEN", Digital	\$355
ACER 17" 1280 .27 NI, LR, "GREEN"	\$655
CTX 14" 1024 .28 NI SVGA	\$235
CTX 15" .28 NI, LR SVGA	\$295
CTX 17" .28 NI, LR SVGA	\$625
MAG 15" .28 NI, "GREEN" SVGA	\$370
MAG 17" 1280 .26 NI, "GREEN" SVGA	\$635
NEC 15" XV15 .28 NI SVGA	\$499
Fax/Modem	
14,400 (Internal) w/American Online	\$68
14,400 (External) w/Bit Com	\$95
14,400 PCMCIA w/Software	\$175
28,800 (Internal) w/Software	\$175
Mouse	
Microsoft serial mouse	\$39
Compatible 3 button mouse	\$15
Microsoft bus mouse	\$65
Compatible trackball	\$35
Multimedia	
2x CD-Rom & 16 Bit Sound Card	\$195
Teac 4x Multisession Photo CD-Rom	\$195
4x SCSI CD-Rom (w/o Controller)	\$315
Sound Blaster 16	\$95
Sound Blaster 16 SCSI	\$125
Sound Blaster AWE 32	\$285
Tape Backup	
Conner 420MB (Internal) w/Tape	\$199
Conner 850MB (Internal) w/Tape	\$299
Colorado 250MB (Internal)	\$155
Colorado 350MB (Internal)	\$195
Colorado 350MB (External)	\$350

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Notices

◆**Preregistration cometh!** Schedules of courses expected to be taught in the Humanities and Social Sciences during the 1995-1996 academic year are now available in 228 Baxter.

The Engineering AS Division announces a new course: **E2, "Engineering And Entrepreneurship"** with instructor Dr. Simon Ramo, co-founder of TRW. The course intends to cover such subjects as the nature of practical engineering; entrepreneurship; financing a company; manufacturing; the role of government; the international economy; environment, safety, and liability; and large versus small companies. Discussion will center around a number of current issues, such as electric vehicles, supersonic transports, the information superhighway, interactive television, genetic engineering, and others. The course will be given First Term, 1995/1996, on Tuesdays at 1 p.m. at the Ramo Auditorium.

Sharyn Slavin, Assistant Vice President for Student Affairs, and Stan Borodinsky, Student Affairs Administrator, invite you to stop by the Coffeehouse on Friday afternoons from 2 to 4 p.m. to talk with them. All students are welcome, and free drinks will be available. Please drop by and get to know Sharyn and Stan. They will be happy to answer questions or provide assistance.

The Caltech Muslim Student Association will hold Muslim Friday Prayers weekly in the Y-lounge at 12:15 p.m.

"Take a Break and Spend Some Time with Friends." The office of the International Student Programs would like to invite you to our Open House for coffee, tea and conversation. Every Wednesday from 4:00 p.m. - 5:30 p.m. at the office of International Student Programs, Olive Walk. Open to the entire Caltech community.

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Announcements

♣ denotes a new announcement.

Beginning on Tuesday, May 9th, the Counseling Center will be holding a **Management Workshop on Relaxation and Stress**. Dr. Jon Pederson and Tay Sandoz, M.A., will teach interested students a variety of relaxation techniques aimed at the management of daily stress. The workshop, which will be held over four consecutive Tuesdays between the hours of 12:30 and 1:30 p.m., will include some lecture material but will primarily consist of individual exercises in relaxation techniques including muscle tensing, imagery, passive and active concentration, and an introduction to non-mystical meditation. The focus of the workshop will be on practical methods for everyday use, which can be learned quickly with daily practice. All interested in attending are asked to contact the Counseling Center at extension 8331.

The **Gay, Lesbian and Bisexual Support Group** meets the first and third Tuesdays of each month at 7:30 p.m. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation - including coming out, being out, self-discovery, coping with families.... We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call 395-8331.

The male and female drummers of San Jose Taiko create a contemporary repertoire by fusing traditional Japanese, Latin, Brazilian, and African rhythms in their Saturday, May 6th performance **"Taiko! Taiko! Taiko!"** Starting at 8 p.m. in the Beckman Auditorium, prices will range from \$19.00 to \$25.00 with student rush tickets going on sale half an hour before the performance begins at \$8.00 depending on availability.

Members of the **Los Angeles Chamber Orchestra** will be performing in the Dabney Lounge on Sunday, May 7th, at 3:30 p.m. in a Paco A. Lagerstrom Chamber Music Concert. This free concert will include works by Mozart, Beethoven, Dohnanyi, and Handel, as well as the premiere of Tania French's "Ancient Echoes."

Associate professor of civil engineering, Dr. John Hall will be giving a Earnest C. Watson Caltech lecture entitled **"Tall Buildings, Bad Welds, Large Earthquake, Big Problem"** on Wednesday, May 10th, at 8 p.m. in the Beckman Auditorium.

The 16th annual **"Bandorama"** featuring the Caltech Jazz Bands and The Caltech Concert Band will be held on Saturday, May 13th, at 8:00 p.m. in the Beckman Auditorium. Both bands will be directed by William Bing in this free concert.

Coming Events

◆**Hikin' with Mickie!** Come be a part of the Caltech Y's bi-weekly hikes! Everyone is invited on a free hike this Saturday, May 6th on the Chilao Loop. The Y asks that all interested sign up early due to limited space and meet at the Y at 12 noon on the 6th. Please bring your own lunch, water, and appropriate clothing. The trip will return at around 6 p.m.

◆The Caltech Y is currently selling tickets to the **Pasadena Symphony** on Saturday, May 6th at 8:30 p.m. for only \$6.00 a piece. All tickets are available at the Caltech Y on second floor of Winnett.

The **Pasadena Symphony** will be holding a free concert Saturday, May 6th, at 10 a.m. at the Pasadena Civic Auditorium (300 E. Green Street, Pasadena). The program will include Beethoven's Piano Concerto No.4 and Tchaikovsky Symphony No. 4. Tickets are available through the Pasadena Civic Auditorium Box Office at phone 449-7360.

Talks, Lectures, and Seminars

◆On Thursday, May 11th, Timothy Lenoir, Professor of History at Stanford University, will hold a Science, Ethics, and Public Policy Seminar entitled **"Visions of Theory: Fashioning Biomedicine as Expert System."** Beginning at 4 p.m. in the Judy Library, 100 Baxter, the speech will be followed by refreshments.

◆**Dr. Thomas Everhart** will be giving a seminar entitled **"Political and Economic Uncertainty: A Challenge to Management"** for the Caltech Management Association on Tuesday, May 23rd, in the Athenaeum. This dinner seminar will start with cocktails will be served at 6 p.m., followed by a cornish game hen dinner at 6:45 p.m.; the presentation will begin at 8 p.m. All wishing to attend must RSVP by Tuesday, May 16th, to Ann Bussone at Caltech MSC 111-6; the dinner will cost \$38.00 for non members.



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The **Society of Calligraphy** will be holding a free lecture by Stan Knight on Friday, May 12th at 7:30 p.m. at the Robbins Building, Pasadena City College. The lecture will focus on the consideration of the basic elements in design and their application to calligraphy. The "building blocks" of calligraphic design: letterform, color, space, texture, scale, contrast, imagery colorfully illustrated, and their individual importance will be discussed.

Club Announcements

◆**The Caltech Space Society** is going on a trip to Huntington Beach, inviting all to come and spend a couple of hours de-stressing on the sand. They will be meeting at 3:30 p.m. on Saturday, May 6th, at the Red Door Cafe. Bring a towel, sunscreen, swimsuit and warm clothes for the evening. Food and drinks will be provided. Please RSVP by Friday night so that they will be able to provide rides and food for everyone. Drivers will be reimbursed for gas. The trip should be planning to return around 9 p.m. that evening. For more information, or to RSVP, please call 568-8028 or email css@cco.caltech.edu.

◆Join other **"Women in Science and Engineering"** Women at the Red Door Cafe for a monthly dose of caffeine and conversation. The first meeting will be held on Friday, May 12th at 3:30 p.m. Refreshments will be free for all WISE members.

The **Caltech Swedish Club** will meet on Sunday, May 14th at 3 p.m. at 446 S. Catalina Ave, Apt. 202 in Pasadena. Anybody interested in speaking Swedish or in Scandinavian culture is welcome. Swedish refreshments will be served. For more information contact either Mika Nyström (e-mail: mika@cs.caltech.edu, phone: x6237, 568-0501) or Lena Peterson (e-mail: lena@pcmp.caltech.edu phone: x6994, 683-9102).

Internships and Competitions

◆**The Harry S. Truman Scholarship Foundation**, established by Congress in 1975, is the official federal memorial to honor our thirty-third President. The Foundation awards \$30,000 merit-based scholarships to junior-level college students who wish to attend graduate school in preparation for careers in government or elsewhere in public service. Scholars may attend graduate schools in the United States or in foreign countries. In 1996, up to 85 students will be awarded Truman Scholarships. They will receive leadership training, graduate school counseling, preferential admission and merit-based aid to some premier graduate institutions, and internship opportunities with federal agencies. Scholars are eligible to receive \$3,000 for the senior year of undergraduate education and \$27,000 for graduate studies. The Foundation defines public service as employment in government at any level, including uniformed services, public interest organizations, nongovernmental research and/or educational organizations, and public service oriented nonprofit organizations such as those whose primary purposes are to help needy or disadvantaged persons or to protect resources.

The eligibility requirements are a full-time junior-level student at a four-year institution, committed to a career in public service as defined above, and in the upper quarter of his or her class, and a U.S. citizen. If interested, please contact the Dean of Students Office at 102 Parsons-Gates. The deadline is late November 1995.

The Mathematics Department is pleased to announce two categories of prizes offered to Caltech undergraduates: the **E.T. Bell Undergraduate Mathematics Research** prize of \$500 to a junior or senior for the best original mathematics paper, and **The Morgan Ward Competition** for freshmen and/or sophomores. \$75 will be awarded for the two to four best entries of a mathematical problem with a solution or significant contribution toward a solution. Complete details will be mailed and are also available in the mathematics department at 253 Sloan.

Fellowships and Scholarships

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

Jewish Family and Children's Services announces the continued availability of financial support for Jewish individuals and their families. There are loans, grants and scholarships available, and students may qualify for up to \$5,000 in aid. The Financial Aid Office has a flyer and questionnaire that you can use to apply, or you can call (415) 561-1226. There are no deadlines and students may apply throughout the year.

The **John Gyles Education Fund** is again this year offering financial assistance to students in the United States. Canadian or American citizenship is a requirement. Awards are available for all areas of post-secondary study. A minimum GPA of 2.7 is required. Criteria other than strictly academic ability and financial need are considered in the selection process. Selected students will receive up to \$2,500. Deadlines for 1995 are June 15th, and November 30th. Applications must be mailed by those dates. Students may receive applications by sending their request, along with a self-addressed, stamped (US 32 cent) No. 10 envelope to: The John Gyles Education Fund, Attention: R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Dr., Fredericton, New Brunswick, Canada E3B 5G4.

Summer Work-Study: Information and applications for 1995 Summer Work-Study are available in the Financial Aid Office. If you are interested in Summer Work-Study, please submit the required application as soon as possible, but no later than June 1, 1995. Your entire financial aid application must be complete by June 1 to be considered. If awarded, the work-study funding will begin with the July 3rd payroll period.

The **Coalition of Higher Education Assistance Organizations** announces three \$1,000 scholarships and six \$100 scholarships available to students at Caltech. To receive an application, you must come to the Financial Aid Office to pick up a COHEAO postcard. The postcard must be submitted by April 1, 1995. The complete application is due to COHEAO on June 1, 1995.

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