

NEWS FLASH

At the Faculty Board meeting of October 10th, David Goodstein, co-chair with Harry Gray of the Core Curriculum Task Force, reported a consensus for overhauling the freshman-year Pass/Fail grading scheme. The committee recommended the following:

"A: Grading. Grades will be P or F only in the first term of the Freshman year. In the second term, students will be informed of their letter grades, but only P or F will appear on their transcripts. Letter grades will be used starting in the third term, except for the required laboratory courses, which will be graded P or F regardless of when they are taken, so long as they are completed during the first two years."

Those present agreed that the recommendation, if approved, should apply to students entering in 1995.

Faculty Chairman John Hopfield will consult with the Steering Committee (part of the proposed Core Curriculum Committee) to decide how the proposal will be brought before the Board for a vote.

MOSH Update: Steele House to be Turned into Offices

by Gary Lorden

In last week's headline story, David Derkits eloquently described the historical importance of the Master of Student Houses' residence and the advantages of Steele House (on Holliston), its location in recent years, where the current Master, David Wales, hosts a variety of events that enrich student life and faculty-student interactions. Derkits' enthusiasm for Steele House is shared by many students, faculty, and alums who have enjoyed its delightful ambience on many happy occasions. I want to thank David and the TECH for that article and for inviting me

to supply more information about the plans to move the MOSH's residence and the reasons for them.

The plans call for moving the MOSH to 500 S. Hill Ave., across from the Athenaeum, which is a large two-story house with excellent features for the kind of gatherings that he regularly hosts for students and faculty. The kitchen and some other rooms on the ground floor will be remodeled to easily handle large dinners. The house also has a very nice swimming pool and jacuzzi, but no backyard lawn.

The backyard of Steele House has been a wonderful place for the MOSH to host large receptions and parties, and they can still be held there during non-business hours, although the house itself will be used for the offices of the Director of Patents and Licensing and the new Director of Technology Transfer.

Nearby, Avery House will have excellent rooms to accommodate groups for dinners and gatherings of

the kind that nowadays are held in the Athenaeum or in Steele House. These facilities will be used by many student and student-faculty groups, not just Avery residents.

Why not move the offices into the house on Hill and keep Steele House for the MOSH? Our city-approved Master Plan doesn't provide for Caltech to establish offices on the east side of Hill Avenue, so it turns out that house-swapping for the MOSH is an effective way to make optimum use of Caltech-owned houses.

When Avery House opens in the fall of 1996, Caltech will have both a MOSH's residence right next to the Student Houses (something that many of us older alums remember with pleasure) and, in Avery, a new kind of center for campus interaction that the Caltech community will enjoy for generations to come. More information and pictures of the Avery House design should be available next week.

It's time for the 1994 Interhouse Scavenger Hunt!

Come at 1:00 P.M. on October 29, this Saturday, and you can gather into a small group, get free food, and then hunt for lots of meaningless stuff. The Dean's Office will give Dinner At The Ath for the winning team.

It's your mission to go out and find as many objects as possible. Here are the rules:

- 1) There are no external boundaries, although everything does exist on the Caltech campus.
- 2) There are a maximum of two people from each house allowed on a team. There is a minimum of five people, and a maximum of ten.
- 3) Do not take items from houses without leaving a note. You will be responsible for returning those items in the same condition to their original position.
- 4) When you get an item, simply have an RA sign for it and get moving.
- 5) Be a good sport- don't cheat too much. That makes this no fun.

Helpful Hunting Hints:
1) Bribe the RAs. They're your friends, the more you give up to them as booty, they friendlier they can be. A good bribe is never monetary; rather trade, food, and service (like taking the tray from the table after lunch, sharing a candy bar...)

2) This hunt is made to make you move, think, and take a good hard look at this wonderful place we are living in for this brief period of time. If you cannot find something, ask, someone else might know.

3) Organize. Divide up into teams to search for specific items. The team that sticks around and utilizes every member from the planning stage of this contest... the most effectively... will win.

Here is a small sample list of what you will find:

- 1) At what altitude did Jim (one of the RAs of Fleming) propose to Liz?
- 2) A potted plant
- 3) A lion king bandaid
- 4) Someone wearing (clean) white underwear on their head

For lunch, we're having Grill. All you have to do to scavenge is come, gather into groups, sign up your group, and we'll hand you a packet of stuff and a plate. You can go get food and study the packet with your group, and then go! All completion sheets must be handed in to an RA by 4:30. The first completed sheet wins, or if no one completes their sheet, then the sheet with the most answers wins. The results will be announced.

Recycling Center News

by Sakae Suzuki

The Caltech Recycling Center has moved. Construction of the new recycling center is now complete, and the new center is in operation. There will be an open house for the new facility on November 4. The new center is located on Holliston Avenue, north of the new parking structure. The center will be open from 6:00 A.M. to 9:00 P.M., seven days a week. It will be closed and locked at all other times.

The variety of items the center will take has been greatly increased, and are listed below. Please sort your recyclables appropriately before putting them in the bins. If you don't do it, someone has to do it by HAND—I'm not kidding. There is a lot of labor involved at the recycling plant. The contaminant removal process is the most labor intensive part. Why does recycled paper cost so much? May be the contaminants make them more expensive...

1.) White paper—Bond paper and computer paper. Please remove all post-its and sticky labels. If you can't peel the label off, just rip off that section of the paper and recycle the part without the label. The labels contaminate the recycling process, and you will be ruining the entire binful of paper if you leave the labels on.

2.) Newspaper—This means newspaper ONLY. Please do not include phone books and magazines. They have their own bins. PLEASE DO NOT BAG YOUR NEWSPAPERS IN PLASTIC BAGS or tie the paper with rope or string. [Are newspapers bagged in paper bags OK?]

3.) Colored paper—Colored bond paper and colored announcement flyers.

4.) Mixed paper—Envelopes, file folders, carbon-less copies, post-it notes, and boxes such as cereal boxes.

5.) Magazines—Magazines, catalogs and glossy paper.

6.) Telephone books—Tele-

phone books.

7.) Aluminum cans—California redemption value aluminum cans.

8.) Tin cans—Please, please, pretty please rinse them out. Appearance of rodents will force the closure of the recycling center. Does one can that you just didn't get the bits and pieces of tuna matter? YES! Yes, it matters. Please do not pollute the recyclable goods.

9.) Glass—There are four separate bins for glass. Please sort your glass into the following categories: Brown, green, clear, and lab glass. The lab glass includes chemical bottles and Pyrex glass. Please rinse the lab glass completely.

10.) Plastic—There are two bins for plastic: One for California Redemption Value plastic and one for commingled plastic. Commingled plastic includes detergent containers, milk bottles, water bottles, etc. Yes, that's all types of plastic. Please rinse them out. Absolutely no motor-oil containers should be placed in the plastic recycling bin. [Why not? The feckty good #2 plastic! And a few extra hydrocarbons shouldn't hurt—there are no heavy metals in new oil, and the plastic itself is just another petrochemical!]

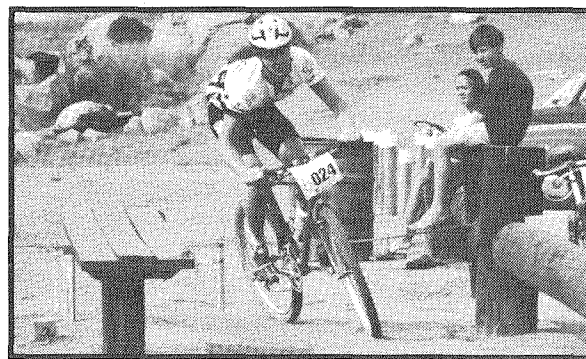
11.) Cardboard—please flatten corrugated cardboard boxes. Note that cereal boxes should go into the mixed paper bin, not into the cardboard bin.

For large amounts of recyclable material, say 100 telephone books, please call Delmy Emerson at Physical Plant for pick-up service. Her number is extension 4738.

There are recycling dumpsters for white paper and cardboard dumpsters at several campus locations. For the dumpster nearest you, please ask the custodial staff in your building. Also, almost all buildings have a 32-gallon recycling bin for white paper on each floor. If your floor doesn't have one and you would like one, please call Delmy at 4738.

In This Issue

Pictures



Mark Sorenson leads Caltech Velo to an impressive finish. See page 3 for details.



To find out what this is, see page 6.

The Usual Stuff

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Letter to the Editor

I have truly enjoyed reading the new S&M column. It is refreshing to see a consistently amusing piece which does not resort to cruel "humor." Sharon and Marc are right: "Mabominable!" is a joy to repeat! I look forward to their future columns.

— Linda Springer

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

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

Editors' Corner

From your Friendly Tech Editors

Well, maybe we should change that title, now that we have only one official editor. So it might say "Editor's Corner." But hey, we can still give the impression by using the word "we" instead of "I." Hmm...you know, we're not in the corner, either. "Editor's Column"? Actually, we take up two columns of space, though... "Editor's Bicolumn"? We think that would give the impression that the column is written every other week, or something. Well, while we try to figure out our schizophrenia (sorry, MPD), you can read these:

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

Work for The Tech!

12:15, Fridays, Coffeehouse

Bridge Without Sam

Lucky

by Jeff Goldsmith

Excess of zeal tends to make for some unlikely contracts. To make them, one must sometimes find the only chance. Playing IMP pairs red on white, I am South, East deals and we reach 4♥. We've both been bidding aggressively, since we're in an 18-point game.

♠ 983
♥ A8
♦ J742
♣ Q542

	N	
W		E
	S	

♠ AQJ4
♥ KJ10954
♦ 86
♣ 3

EAST	SOUTH	WEST	NORTH
1♣	1♥	2♣	2♥
Pass	4♥	All Pass	

As to the bidding, I am not at all contrite, but I truly wish partner had a third trump. It's a shame that much of his high card strength is wasted, what of it there is.

West leads the ♣K and when that holds, continues with a small diamond. East wins the Queen and continues the suit. West wins the Ace and continues diamonds. I duck, wasting the beer, and East contributes the King, which I ruff with the 9. They have set up my ♦J for me.

What do I need to make this? I've already lost three tricks, so I need to find the trump Queen, successfully finesse against the ♠K, and do something with the fourth spade. Yeah, right.

I have only one sure entry to dummy and I need to take two spade finesses. It must be right to play West for the trump Queen, finessing the 8 and gaining an extra entry. The fourth spade will either go on the ♦J or I can hope that spades are 3-3. I lead a low heart to the 8, which holds. A spade finesse wins and another trump to the Ace fetches the Queen from West. I don't know how good West is, but I must consider whether the Queen is a true card. Since they were raised, clubs are probably 4-4. Diamonds are marked 4-3. If spades are 3-3, trumps are 2-3, giving East 3-3-4-3 shape. If the ♥Q is a falsecard, then spades are 2-4 and East is 4-2-3-4. West seems like an unimaginative player. If he were up to a falsecard, he might've played the Queen on the first trick, hoping that I had KJ109x, to kill a dummy entry. I'm playing the hand for true cards; if that was a falsecard, he beat me. I ignore the good ♦J in dummy, finessing spades once more. That passes off and I draw trumps: the Queen having proved doubleton. That means spades are 3-3, so I cash the ♠A and claim.

The heart play at trick four was important. If I had ruffed with the four or the five, West could have defeated me by rising with the Queen on the first round of trumps, denying me a second entry to dummy.

Opinion

by Austin B. Collins

The following Opinion piece has been edited for potential libelous content.

Recently, there have been several people mailing long, uninteresting messages to every student in C.S.1. A request to stop this nonsense was made by Mr. <X>, and in reply came an adamant message involving the constitutional right to free speech. The letter began with "To those of you disapproved of my message, I apologize. I was not aware that the concept of free speech offended you."

Evidently, this person is not aware of much. Not that the concept of the free speech offends me, but the concept of such a buffoon having the presumption to invoke something as precious as the freedom of speech, without even a basic understanding of the Constitution or its underlying principles, does offend me.

You see, the whole idea of a de-

mocracy rests on the assumption of an educated, well informed populace. Although Mr. <X> may in fact be a student here, I refuse to classify any person with such an erroneous understanding of the basic ideas behind the constitution as educated. And to spew forth such ignorance with such indignation is almost funny. Okay, it is funny.

More important than the actual wording of the constitution is the intent behind it. The First Amendment was intended to promote and protect discussion of all subjects within our society, with special regards to political matters. It was not intended to give you an excuse to bother people with whatever half-assed notions you have that day.

Benjamin Franklin (remember him, Mr. <X>?) said "My rights... stop at the tip of your nose." This means, Mr. <X>, that your rights extend right up until the point that they interfere with mine, or with anyone else's. You see, if your little

mailings interfere with any of my rights, than you are not within your constitutional rights to persist. Being that I use my ugs account only for work-related stuff, such incessant garbage does in fact distract me unnecessarily from my studies. Believe me, Mr. <X>, your rights have come past the tip of my nose, because I can smell the malarkey in your little constitutional fit.

As if any further evidence of his cluelessness was needed, Mr. <X> claims that no matter how "annoying" or "dangerous" what he has to say is, it is still protected by free speech. Well, the supreme court of the United States thinks differently. You see, "annoying" speech is a mild form of harassment, which is not protected. As a matter of fact, it is illegal to persist in "annoying" behavior directed toward a single group of people, in this case C.S. 1 students.

And for "dangerous" speech, this is clearly illegal. The most famous example is that you are not within your rights to shout "Fire!" in a crowded theater. I would not be within my rights to tell you, for example that should you ever clutter up my e-mail again, I will hunt you down and rip you limb from limb. Were I to actually say this, it would be quite illegal. Then again, Mr. <X>, I realize that the Supreme Court could never aspire to the level of Constitutional exercise you obviously possess.

Another assertion Mr. <X> makes is that wasting space on the net is protected by free speech. Well, even if by some miracle of colossal ignorance you actually believe that, it doesn't matter. It is still an honor code violation to willfully waste space on the net. It is also an honor code violation to continue mailing things you admit are "annoying" to people who have asked you to stop.

Oh yeah, I would also not be within my rights to make the slanderous remark that I probably lost several I.Q. points reading that load of <expletive> you sent me. Oops.

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phone: (818) 395-6153
e-mail: editors@tech.caltech.edu
ISSN 0008-1582

VOLUME XCVI, NUMBER 6
OCTOBER 28, 1994

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

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

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$11 per year to cover third-class postage and preparation costs. Printed by News-Type Service, Glendale.

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SPORTS

Caltech Velo Impressive at UCR Mountain Classic

by Michael Kantner

Five Techers raced at the UC Riverside Mountain Classic on Saturday, October 22. Undergraduate Mark Sorensen turned in the team's best performance with a third place finish in the Men's B race. Four graduate students also raced.

Mark Sorensen, Keith Rickert, Mark Milam, and Michael Kantner competed in the Men's B race. The race started poorly for Caltech as Kantner had a mechanical problem less than 1 mile into the 13 mile race. After the first lap, Sorensen was in fourth, and Milam and Rickert were in the middle of the field. As the race progressed Sorensen stayed in fourth while Milam and Rickert slowly moved up through the field. During the final climb of the third lap, the third place rider from UCLA ran out of energy and walked his bicycle up the hill. Sorensen moved into third place and kept that position through the finish. Neither Milam nor Rickert finished in the top 10.

Sam Roweis was Caltech's only competitor in the Men's C race. Caltech alumnus Brett Warneke, now a UCLA graduate student, also raced in a Caltech jersey since he did not own a UCLA jersey. Roweis finished his first race in the top 20. His inexperience limited his descending, while he was able to gain ground during the climbs. Warneke finished in the top 10, a huge improvement from his last race as a Techer when he did not finish due to mechanical problems.

Caltech Velo's next off-road race will be November 20 at Lake Castaic. For more information on collegiate cycling, contact Michael Kantner at x4882 or cycling@cco. One-day racing licenses are available, and there are races for all skill levels.



Mark Sorensen shows Caltech determination as he passes the third place cyclist from UCLA. Mark stayed tough throughout the rest of the race and kept the place.



Mark Milam puts forth a strong effort at UC Riverside.

Wet Beavers Go on Attack

by B.R. Doughn

The Caltech Water Polo continued into the heart of its season this week with three games. In the first game, the Beavers took on an unknown Villanova squad. Yes, the Villanova from Penn. and much is unknown about East Coast water polo. Little did we know, these 30 guys did not just step off the plane just to get a tan (although their goalie did a good job whitening the pool).

The game started off well for the Beavers. With a quick start, Caltech was up 2-0. The two teams stayed even for the first quarter. With over 20 subs, the Villanova team started their game plan sub, sub, sub. At half, the Cinderellas were ahead by 2. Villanova then turned on the

speed and Brian Bircumshaw turned on the blocks. After the dust settled, the final was 17-9, their side. Then we heard that they were ranked #18 in the nation. This ranking will surely improve after this victory. The leading scorer was Chris "Bushy Beard" Buchner with six goals. Mike Green added a goal and 14 steals. The scoring was rounded out by Hyle "I will break you" Park and Jason "Super Skip" Hong each at one goal.

On Saturday, the Beaver group headed to El Bien Gusto. On the way, they played a match against Whittier's Moshing Poets. This day the Poets got out to a fast start. The Caltech team picked up on defense and that led to some scores. Unfortunately for the Beavers, only one referee showed up and he only had

one eye and an eyespot. The Poets seemed in a Kum-ba-yah spirit when they grabbed the Beavers' hands and dragged them under. The final score was 19-10 or there about. The leading scorer was Jason Hong with 5 tallies. Other scorers were Buchner (4) and Greene (1). One defensive standout was Sooketoo Bhuta who dominated the deep wings.

HEY! Come to our games. Our next away game is tomorrow against Occidental college promptly at 11:00. If you need directions, take the 210E to 134E and get off in a few exits. Then turn right, left, and right and go to the main entrance and the crappy pool is to your left. Hope to see you there.



Frank Monzon was unbeatable as the Beavers won 7-4.

Hockey Beavers Win First Game of the Season

by Kate Finigan

Sunday, October 23rd, the Caltech Beavers won the season opening game, 7-4 against University of the Pacific at the Pasadena Ice Rink. Pavel Svitek, right wing (#23), set the tone with the first goal scored, not 10 seconds into the game. Svitek was so hot, he melted the ice beneath his skates. Barely a minute had passed and Svitek chucked goal #2 into the net. It was about 6 minutes into the period when defenseman Chris Claypool (#37) scored the 3rd goal. Svitek's linesmen worked closely to move the puck to him throughout the first period, as he slammed an additional 2 clean shots into the net.

Steve Chase, left wing (#6), and center Bob Lane (#18) did an excellent job in moving the puck to Pavel, and along with their teammates set up the shots for #23. But Pavel's success

wouldn't have been possible without his teammates, who did an excellent job of digging out the missed shots from behind the net and winning face-offs to set up for Svitek to tee off on.

UOP scored once with less than 3 minutes left in the first period and was then shut out the rest of the game until the final 20 minutes. Caltech dominated throughout; the team led 7-1 as they entered the third period.

Throughout the game, Frank Monzon was unbeatable, allowing only 4 goals in 50 shots for the entire game. In the final 20 minutes of the game, to keep the morale up for the visiting team, Monzon allowed a couple of sympathy goals to make the score respectable. UOP was a tough team to beat, but the Beavers held tight. Most home games are held on Sunday at the Pasadena Ice Rink at 11:30 A.M., admission is free. Next game is this Sunday, October 30th.

Tonight's ASCIT Movie



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Artificial Pork Flavour Base

A Social Commentary

by J. Random HercFrosh III and Lauren

Today's Target:

All the news that gives us fits

We know that Techers live in their own little world. It is bounded on all sides by roads paved in gold, er asphalt. For most, these roads might as well be walls, for they never move beyond them. Thus, Caltech is much like a Roach Motel... eager young minds check in, and they don't

check out. A number of Super-super Seniors come to mind. But this isn't our point.

What, you ask, is our point... well, we're getting to that. We are going to take this column to force feed you some news. You are going to learn something here, or our names aren't J. Random HercFrosh III and Lauren. (*They aren't. —ed.*) Remember, no pain, no graduation.

Without any further ado, here's the news, and our spin.

1. **O.J. Simpson**—Guilty. Should fry. Will walk (cause we have the best judicial system money can buy). 'Nuff said.
2. **Shannon Faulkner**—Babe who wants to enter the citadel (an all-male military academy in South Carolina). Her petition has been held up in court. She's a stud, but I'd put my money on Zippy (a.k.a. cannon-fodder) any day.
3. **Invasion of Haiti**—Good thing we avoided a military incident... that voodoo really packs a wallop.
4. **Near invasion of Iraq**—Been there. Done that. We hope it is as successful for Hiliary as it was for Bush. Ha!
5. **Notice a trend here?**—America continues to bully small countries around
6. **Burt Lancaster**—Oscar winning actor dead at 80. Let us now observe a moment of silence.
7. <silence>
8. <silence>
9. **Yasser Arafat and Yitzhak Rabin win Nobel Prize**—Yasser is a freaking terrorist! If we kill thousands of people and then agree to stop, can we win the Nobel Peace Prize, too?
10. **The Clinton Health Care Plan**—Yeah, whatever.
11. **Clinton pitches a peace plan to Syria**—And if they don't agree, we can always invade them!
12. <more silence—Burt Lancaster was a god.>
13. **Election '94**—Memo to Democrats: Don't ask Clinton to campaign for you.
14. **Debate on Prop. 187 continue**—Who cares? it's local news.
15. **Pulp Fiction**—So graphic that audience members have been fainting. Wimps.
16. **Big sale at Billy Bob's Gun & Pawn Shop.**
17. **Saturday Night Live**—Soon to be Saturday Night Dead. Sucks huge slabs of asphalt.
18. **Conan O'Brien, "Late Night" host**—Hated it.
19. **John Candy**—Posthumously directed "Wagon's East" Please observe a moment of silence.
20. <silence>
21. <oodles of silence-it really sucked>
22. **IRA cease-fire**—"I believe, I believe. It's silly, but I believe"
23. **Bobbit**—He wants Lorena back. STUPID!!!!
24. **Buttafuocco**—Still not sure how to spell it, but need a gratuitous reference
25. **"Clinton rejects racially based theory on IQs"**—Of course he would, he's just a stupid Caucasian!

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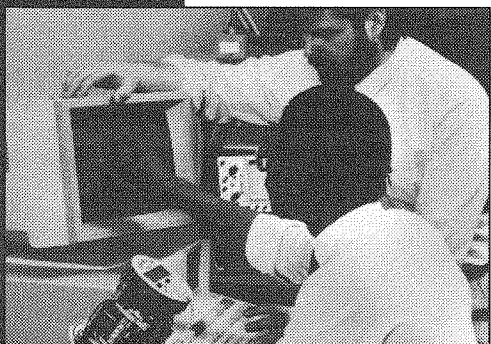
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by Adam Villani



Clerks

22-year old Dante Hicks (Brian O'Halloran) may not be going through Inferno, but what does transpire at the Quick Stop market where he works on the Saturday he was supposed to have off in *Clerks* may be the convenience store equivalent. Amidst the ceaseless stream of idiotic and/or irritating customers, he is besieged by girlfriends current and old that alternately want to kill him and go to bed with him. Making sure that none of this actually comes out well for Dante is his misanthropic buddy Randal (Jeff Anderson), who keeps locking up the crummy video store next door where he ostensibly works when he gets tired of harassing his customers to read the nudie mags and harass the customers at Dante's store.

What saves this ultra-low budget feature from being another whiny navel-gazing Generation X movie is the fact that it never makes any pretensions of being anything more than it is: an utterly hilarious look at everyday deadbeats. The film is grainy and the production amateurish (director Kevin Smith filmed at night in the Quick Stop where he worked during the day), but the chemistry between the two leads is genuine and the comic timing is dead-on; this could be the funniest movie I've seen all year. One thing: there's no sex or violence, but the dialogue in the movie is so raunchy that it originally got slammed with an NC-17 rating before they appealed for an R. Go see this movie; you'll love it. Playing at the Sunset 5 in Hollywood.

Why KROQ Annoys Me

It would be gratuitous for me to tell you that the label "alternative" applied to music these days is a term that's lost all meaning. But KROQ 106.7 FM seems to think they have the right to air station ID's full of soundbites like "I'm not into that *popular* music," and "Something certainly sounds *different* here." Look at the national top ten, it's full of Stone Temple of the Dog Jam Pilots, or whoever it is KROQ has decided is the latest cool thing. As somebody on the Net put it, I like to listen to KROQ for a couple hours a day; that way I get to hear the songs I like twice. Back in the 1980's, when they could have legitimately laid some sort of claim to being an alternative station, they just identified themselves as "The ROQ of the 80's." It's the same principle behind the Ice-T album that begins with the announcement that "This is not a pop album!" If you have to say so, you're lying.

Pizzicato Five: Five by Five

Just as Deee-Lite combines 90's dance music with 70's disco, Pizzicato Five combines 90's dance music with 60's pop into a very catchy mix. This quirky Japanese trio's (I have no idea where the "Five" in the name comes from) first American release is a 5-tune EP that shows some remarkable originality, but has a certain novelty value that might wear thin if overplayed. Some notable tracks include the bouncy "Twiggy Twiggy/ Twiggy Vs. James Bond," which was recently a small hit in the Bay Area, and "This Year's Girl #2." The latter is in the form of a banal interview with the lead singer, Maki Nomiya, with questions and answers like, "What do you wear when you sleep?/ Pajamas./ What did you eat when you woke up this morning?/ Oxygen." They even remake an old Burt Bacharach song. It ought to be fun to see where this group goes when they release a full album domestically.

I Went to LACMA and it was Okay

Last Sunday I visited the Los Angeles County Museum of Art (LACMA) with an art history class I'm taking. I'm not qualified to be an art critic, so I won't insult you by pretending. But I will say that if you're tired of the same old routine and are looking for something different to do on the weekend, LACMA is a great place to go. Few if any of their collections are world class, but there is an extraordinary variety of exhibitions, ranging from ancient Mayan sculpture to modern photography, and from European paintings, crystal, and mosaics to Japanese woodblock prints and wall hangings. The Japanese Pavilion in particular is notable for its extraordinary architecture. It's not the Louvre or the Art Institute of Chicago, but for a layman a visit to the museum can be enlightening and educational. As a bonus, it's in the same location as the La Brea Tar Pits, the only county park that's a monument to long, slow, prehistoric deaths.

Kreative Korner

Cleopatra Lifeless

by Shameel Arafin

You, who would never stoke the fire of growth,
You would portend to be Cleopatra lifeless.

Yes, you - under a blaze or blush of hues
Never dress or redress.

You would never decline to recline on
Soft velvet and satin sand.

You never forsake diaphanous veil on
thigh or breast,

Never the incense-tickled nostrils or lips.
Where is the anticipation in your hips?

Flicking buffed nails and curving egyptian
arm

She ordered wet skin to be brought in
She ordered honey from cactus
She ordered strawberry from sand
She ordered wet mottled riverskin to be
brought in

She, desert amazon
She burnt spices to sleep me
She sang dances to happy me
She pressed fruit to drunk me.

Would you reach for a goblet, be it wine
or venom?

Would you extend slender arm, polished
goddess limb?

You grope with finger and dimples.
No rubystained mouth stretches to smile
"Bring in the Anaconda."

Once I slid in with her
And saw the rich earth
Where glassy grass grew
In a clear meadow
Where grave cows pastured
With the frisky asses
Whose milk we bathed in.

Once I slid in with her
And my skin sparked
When her legs clamped around my ribs
In the churning milk

I wanted to coil around her from thigh to
heel

But she pressed me rigid between tight
legs

Over and under and between your legs
I am lazily draped - danger and diversion
Your true needs, titillated by snakeskin on
nipple.

I am no Asp to draw vital blood - I keep
you

Cool and moist in saharan strokes,
Lulled by your tent's ambience.

Without spirit in the air, you would be play-
ing

With acid blind.

You are wise, you are fortunate
It is a drowsy Anaconda you caress.

He is rippling moistness and dry weight
He is scaly wisdom and coiled fertility
He is fat muscle and slithering guilt
He is abandoned lord and lithe slave
He is forsaken lust and proud beam
He is snuffed attention and leaky adoration.

A sand snake you wanted, not the spec-
trum stripes of grass and river,
A bland snake you wanted, flesh covered
from thorn and sliver,

You brave the atomized earth.
I left my water for your dusty slopes, your
dusky curves,

While nubile maidens, scantily clad touch
and observe.

Snakeoil, secretions, tenderly massaged
Into your calf, shoulder, your loin,
You traded ass's milk for sidewinder supple-
ness.

Dusty palms encircled me
Many brown dry fingers and choking
thumbs

A dozen hands ginger and heavy
I was scratched on cracks and fissures
In the rock my home my bed

My wet rock my babies
I was torn and watery blood
Streaked my belly

Dusty palms stung my cuts
And sandaled feet killed my children
My wounds never healed
And their mouths eat sand and thorn
My wounds never healed

No milky bath could salve them
No wet-tongued kiss could seal them
My wounds my rock my children
Those fingers were dry cockroaches
That squeezed with hairy leg clutches

That scuttled and shuffled
Waterproof cockroaches carried me
To gobiland to gold to glee.

Sleep comes after you, purring gentle lava.
Your maidens leave for the moment to min-
ister to their men.

Your Anaconda has no den to attend to, is
cold in the night,

Raises his gaze to the clock in the sky,
Eunuch regarding an approaching sail.

Clockhands spring silently off the disc.
The hour-hand thickens, tapers, grows
sturdy and firm,

The minute distends, curves and sharpens.
Your Anaconda is plucked up off the sand
Beheaded and impaled to the smiling face
By the sabre and stake of your indifferent
race.

Movie



Dana Delany stars as Mistress Lisa, the beautiful headmistress of a fantasy sex resort in *Exit to Eden*, a fast-paced comedy with an erotic love story directed by Garry Marshall. ©1994 Savoy Pictures.

STEVE SCHAPIRO

Review 5

by John Parsoni

Start with one of Anne Rice's steamier novels, add two solid comic talents in Dan Ackroyd and Rosie O'Donnell, a stand-up performance ("as usual") by Hector Elizondo, and the careful hand of Garry Marshall at the helm, and you get a surprisingly good comedy in Savoy Pictures' *Exit to Eden*.

Surprising, in that *Exit to Eden* (published in 1985 under the pseudonym "Anne Rampling") was not a funny book at all. Falling midway between her seductive Vampire Lestat series (the first novel, *Interview with the Vampire*, is also a fall film release) and her highly erotic Sleeping Beauty trilogy (highly unlikely *ever* to be filmed, but who knows...) in graphicness, *Eden* dealt with domination and submission at a very exclusive and secretive resort, known only as The Club.

What prompts someone to submit voluntarily to two years of servitude at The Club, and the bondage even those who rule can be trapped in, was the novel's focus. This story remains, though softened and weakened (two years have become six months or less; nude wrestling matches become an inline-skate race on "Sports Day"), subservient to a plot involving international jewel thieves, two undercover cops (Ackroyd and O'Donnell), and an

international photojournalist (Paul Mercurio, the star of last year's sleeper, *Strictly Ballroom*).

O'Donnell provides a voice-over narration, "Dragnet"-style, stitching viewpoint changes together, sometimes unnecessarily, but with fine humor. Ackroyd is a dour, dull, plodding, very straight cop who isn't thrilled at all with the idea of investigating this "sex resort." Elizondo (the hotel manager in another Marshall film, *Pretty Woman*), is Martin, the club founder and, in an affecting flashback, the trainer/guide for Lisa, later The Club's headmaster. Dana Delany ("China Beach") is attractive as Mistress Lisa, but only occasionally shows the hardness a true dominatrix should exhibit (those moments—"Bathe me"—are worth catching, though). Chalk that up to the director: in Marshall's version, *Eden* is a game, an illusion, for people to play at, not a true lifestyle or permanent state of affairs.

The comedy arises naturally from situations rather than slapstick or stupidity. Despite the comedic tone, the plot is played out seriously enough, including a bit of mildly violent gunplay at the climax. By the end of the picture, even O'Donnell's own fantasy ("Paint my —") has come about.

Exit to Eden is rated R (for substantial nudity, sexual situations, and language), and is playing citywide.



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Kreative Korner Policy

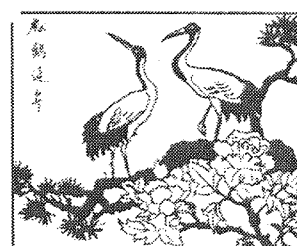
Guidelines for Submissions.

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

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

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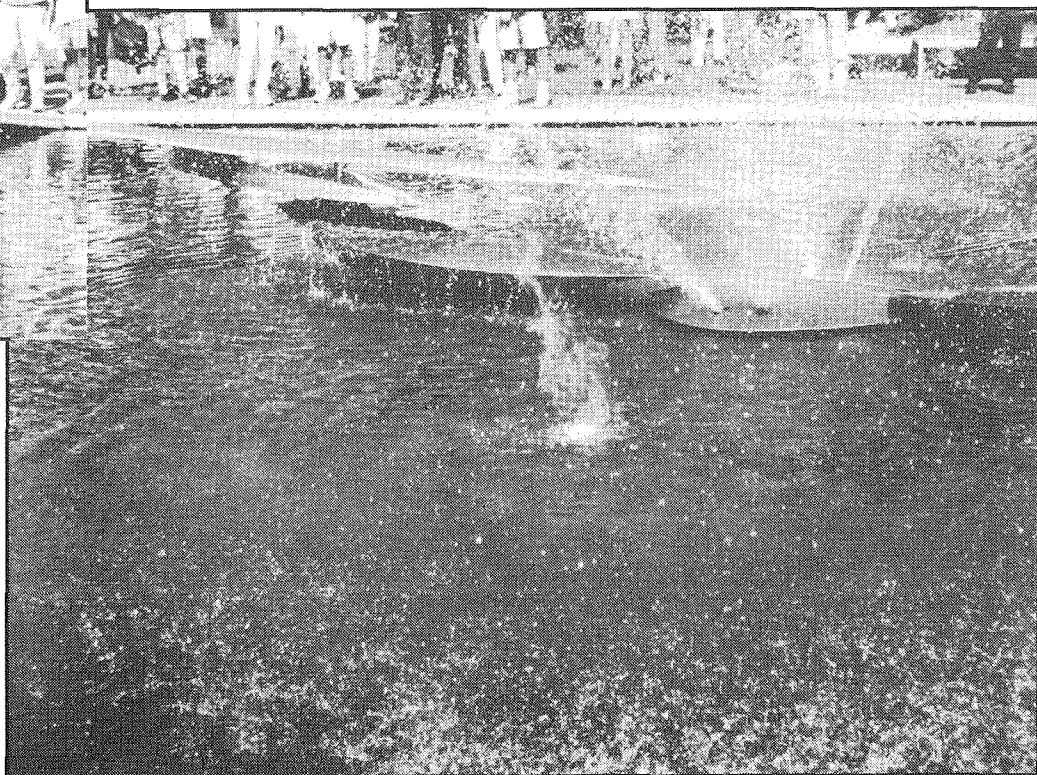


STEPHEN VAN HOOSER

Pop, pop, Chem, Phys: Oh what a relief it is!

Teaching assistant Kevin Crellin throws a large sample of sodium into Millikan Pond as Professor Nathan Lewis' Chem 1 class looks on. Both students and bystanders were impressed with the reaction, which shot the sodium nearly fifty feet into the air.

Several freshmen had to jump out of the way as the sample bounced along the sidewalk and into Throop Memorial Garden.



STEPHEN VAN HOOSER

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On Campus Interviews: February 7, 1995

Does anyone want \$10???

I got *one*, count them, *one* submission. Not only that, all the answers were wrong. I'm extending this puzzle for a week. By tomorrow, I'm off to Germany for some well-deserved puzzle break. Maybe I'll get some submissions when I come back. Look, I'll even give you nits, okay? Anyway, send your solutions by e-mail only to gp@tech by 8:00 p.m. Wednesday. The winner (determined by random draw from those with the most correct answers) will win \$10. You must be part of the Caltech Community to join. Remember, not too many people actually send me solutions,so you don't have to do so well!!

1. If 5-4 is IRON, what is 6-9?
Hint. That's a minus sign, not a hyphen. Also, you should know of two ways of representing numbers as letters...

2. I'm thinking of a word X. X happens to be an anagram of a homophone of an antonym of a homophone of an anagram of something some of my friends X. What's X and what do my friends X?
Hint. Well, spray-prays-praise-damn-dam-mad is pretty good, but the phrase "my friends spray mad" doesn't sound right, does it. I guess I'll tell you that X is fear.

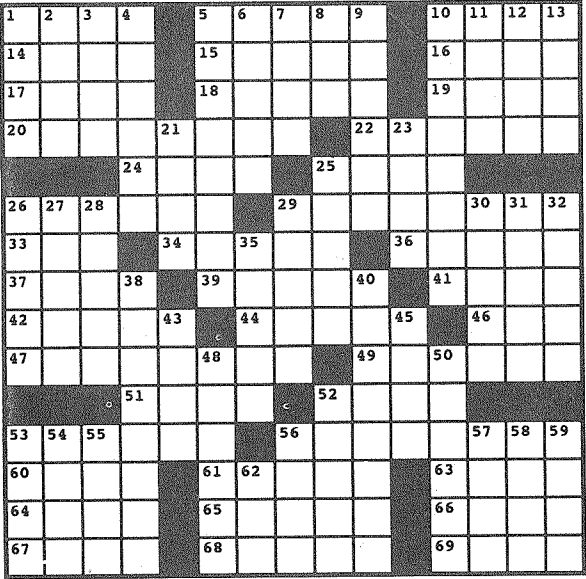
3. Which letter will complete all of these words?
GY_ES
LO_DED
TI_NESS
CA_ZE
Hint. Yes, all the words are in English, and it's the same letter in all of the blanks. However, I didn't say that the letter was in English...

4. If X is a word, let X_n mean the nth letter of X. For instance, WORD_3=R. If L is a letter, let NL mean the numerical value of the letter, with NA=1, NB=2, NC=3,..., NZ=26. So, if X=WORD, then NX_3=18.

Now, solve for the English word X:
NX_NX_2 + NX_NX_NX_2 = NX_NX_NX_NX_2
8 + NX_8 = NX_NX_8 + NX_4
NX_1 = NX_NX_NX_1

Hint. Well, I meant one word satisfying all three equations, not three words, one for each equation. The first letter is not A.

Games & Puzzles



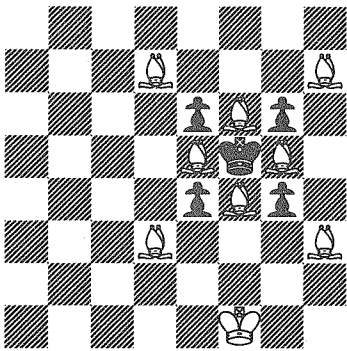
Across
1. Something to get mired in?
5. Ben Ezra, e.g.
10. Employed
14. First Sumerian town
15. Henri and Lor?
16. Amorous cartoon skunk
17. PR and Catech
18. Monty Python songwriter?
19. Coral, e.g.
20. Cravings
22. "Police Quest" antagonist

24. Roch or Mich
25. NY Baseball team
26. Served
29. People who read between the lines?
33. 37-Across' sister
34. Roger Wilco's homeworld
36. Long-time foe of Crashman and Zippy
37. 33-Across' sister
39. Splits up
41. Join together
42. et artos
44. Tricks and

46. Consumed twice four?
47. Most birds, e.g.
49. Burdens
51. Detest
52. Mat and ra?
53. Start anew
56. Flipper and Ecco
60. Water can
61. Splittin' thin
63. Actress Rogers
64. Wander in circles
65. Bucky for U.S.Agent?
66. Little river
67. Barely made

68. Outs
69. Search
Down
1. Quibble
2. Dipper owner?
3. Orgs.
4. Glove strengthener
5. Redo a Phys 1 Kit?
6. What to do on Yom Kippur
7. NRG unit?
8. Sheepish statements
9. She's a belle
10. Say you want a revolution
11. Noticed
12. Wing Commander II ship
13. Lines in DOOM
21. Autobiography of Superman's foe?
23. Airy sphere?
25. Black
26. She roars in numbers too big to ignore
27. Moon hitting your eye like a big pizza pie
28. I think this clue has lots of them
29. What if it doesn't rain?
30. Mr. Marner
31. Cheat on horseracing
32. Irish snuff
35. Irish Dame
38. Wrote
40. Answers
43. Yugo, maybe?
45. It comes before crackle
48. French toilet?
50. They ush
52. Roman wears?
53. 's da doity fink!
54. Endor moon dwellers
55. Tip of snow on a glacier
56. Apparently, God does it a lot
57. I'm telling the truth
58. The third longest river
59. Subin improved on him
62. Not Pas, Bros, or Sis

Chess



White to play and mate
Black in two moves

Okay, we're back to more orthodox puzzles....(well, maybe a few under-promotions).

Last Week's X-word:



The secret word was NOVELIST.

WHAT TO DO IF YOU FORGET TO SET YOUR CLOCK BACK:

(REMEMBER, DAYLIGHT SAVINGS TIME STARTS SUNDAY.)



Have breakfast for once.

If you're lucky, all the prizes won't be taken from the cereal boxes.



Workout before class.

You and the swimmers will have the gym all to yourselves.



Get to a seminar extra early.

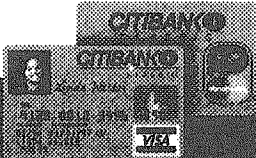
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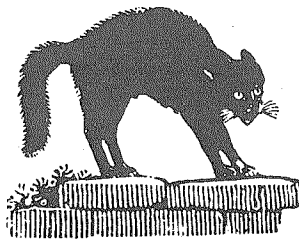
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Jan 25 - Had the "running" dream again. Leaves whipping past my face, trees a blur, kicking up clods of dirt behind me. Breathing hard but never tiring, never slowing, never.

Feb 20 - Dreamt I was a bloodhound, I think. I kept smelling something, following the scent very close to the ground. I remember crawling around and I could see every detail of the dirt just inches from my face. I don't know what I was smelling, some other kind of animal, and the trail never ended. I just patiently kept following it for hours.

Mar 23 - Cat and mouse. That's what I was doing in my dream last night, it's the only thing I could have been doing. I remember that I would chase something for a while, until I got close to it. Close enough that it would know I was there, close enough for it to get scared and run away, until it was too tired and had to rest. And I would wait while it ran, wait just a little while, and then I would resume the chase. It got tiring with every iteration, the time in between rests kept getting shorter. I woke up before I actually caught it.

Apr 29 - Another vivid dream last night. I was in the woods, and all of a sudden I caught a scent on the night air, some kind of small animal. The scent made my stomach growl, and I began to follow it, with my nose right down to the ground. I could smell everything so clearly! The dirt, the leaves, various night insects, and most of all the prey. Soon I could tell that I was near, and, peering through the growth, I saw it. Just a small rabbit. And suddenly he knew I was there, and he took off! I leapt out and raced after him, matching every turn he made as we sped through the night. The chase was almost effortless to me, but the thrill of the hunt made me draw it out. I was almost upon the puny animal when he plunged into a



S & M

A Halloween Story

by Spooky & Monster



hole! I howled my frustration, then thrust my arm into the hole as far as it would go. And I got him! Grabbed him by the scruff with my thumb and forefinger, and yanked him out! Just as I was about to eat him I woke up.

May 20 - Had another hunting dream. This time I had moved up to a small deer, kind of an adolescent Bambi. Each time the animals get larger, and each time the thrill of the hunt keeps me from killing them right off, but I always catch them in the end.

Jun 15 - I had the most bizarre dream! It was actually a little frightening. I was having sex with some guy (not Eric), and it was really boring! I was just lying there, totally uninterested. Then, just to do something different, I put my arms around him and dug my nails into his back. He looked like it hurt, but he didn't stop, so then I started raking my nails across his back, and they must have been sharp because I was drawing blood and he was crying out in pain, but he kept going nonetheless. By this time I actually felt turned on, and I started biting him! Not little love bites, but vicious, animalistic bites. At this point he was in agony, but I kept getting more and more into it, until I actually began biting through the skin, and I could taste his blood, and he was screaming but he didn't stop and everything just kept going faster and faster and more and more violent until he finally gave one excruciatingly piercing scream and died! And I just lay there with his still-bleeding corpse on top of me, and the most frightening thing

was that I was still turned on! I don't understand what's happening to me, but I'm getting a little scared of it.

Jun 16 - Eric has been taking a class in dream analysis, and he tells me that everyone has erotic ones sometimes, but he was also surprised at the violent aspect of mine. He says he asked his teacher about it, but his teacher hadn't ever heard of anyone experiencing a dream like this. Eric wants me to go talk to him, but I think I should just try to forget it.

Aug 03 - I had that dream again! That makes four times, and each time the blood and violence are so real that when I wake up I almost imagine that I can still taste it! I can't keep having these dreams, I'm almost afraid to go to sleep at night. Maybe if I go talk to Eric's teacher he can tell me why I've been having these nightmares, and why they're so vivid. What kind of person could find violent death to be erotic? Oh God, please don't let me be some kind of mentally sick, twisted person.

Aug 15 - Eric's teacher has been no help at all! Not only does he not have any good explanations for the terrible nightmares, but I'm also getting the impression that he's kind of hitting on me! Nothing I can put my finger on, but it makes me uncomfortable nonetheless. I haven't had another dream yet, so maybe it was just a phase. I hope so. I'm not going to talk to Eric's teacher any more.

Aug 28 - Oh God, what's happening to me? This dream was terrifying! I dreamt

that I was hunting, just like in the woods, but this time I was in the city. I was going from back yard to back yard, searching for prey. Then I stopped, and looked into a back window. There was Eric's teacher, reading in bed. I felt the bloodlust well up inside me, backed up, and leapt through the window! He screamed when he saw me, but I only hesitated long enough to shake the broken glass off of me, and then I tore into him! Using my teeth and claws I ripped him apart, and the whole time he was screaming and trying to fight me but his strength was ineffectual against my animalistic rage, and in a matter of minutes he was dead. And then, oh God, and then I fed! I actually ate part of him! And the whole time I couldn't wake up! I kept trying to force myself awake, and I couldn't, I just kept eating and crunching and slurping, oh it was horrible. Then I heard a siren. Turned around and leapt back out the broken window, and raced off into the night. When I finally woke up, my whole body was sore, and the sheets were soaked with my sweat, and I had the worst taste in my mouth. And I wasn't wearing my pajamas, and I still can't find them. I think I'll just stay in from school today.

Aug 29 - I just found out that Eric's teacher is dead! He was murdered in his own house! The whole school was talking about it. What if it was me? What if I killed him? I don't know how, but what if I did? I haven't told anyone about my dream.

Sep 17 - I feel horrible. I can't let myself sleep for more than a few minutes at a time. What if I have another dream? I still haven't told anyone about Eric's teacher, but there have been rumors that it looked like he was attacked by a wild animal. I can't study anymore. I can barely eat. I don't know what to do. I'm going to tell Eric about my dream, and see what he says.

Sep 20 - Eric and I have had some long talks, and he has convinced me that my dreams were just a horrible coincidence. I feel a little better, but I'm still scared of sleeping.

Oct 07 - I just woke up! I dreamt that it was night on campus, and I was stalking a female student, keeping to the shadows, smelling her smell as I slowly built up to the kill. Then I attacked! Before she could even scream I clamped my mouth down on her throat, and flexed my jaw muscles so hard that I snapped her neck. Too quickly, the hunt was over.

But before I could feed I heard the approach of others! I slung the girl over my back and ran away. When I woke up I felt just like the last time. This is terrible, what if I have these dreams the rest of my life? And what if I find out that a girl was killed last night? That's too much of a coincidence! I just don't know what to do.

Oct 08 - My hands have finally stopped shaking, or at least enough so that I can write again. When I found the dead girl in my bathtub, half-eaten, I fainted. After I regained consciousness, I didn't know what to do, I was panicked, I was paralyzed. The only thing I could think of was to call Eric and get him to come over. Thank God for Eric. He helped me to calm down, at least to some degree. When he looked at the corpse he noticed that there were a few tufts of fur on it. At first I didn't know what he was getting at, but when he made me recount all the dreams I'd been having lately, it all started to come together. The hunting, the animalistic behavior. It all fits. I have become a werewolf. There is no other possible explanation. Eric helped me figure out how to get rid of the body where it wouldn't be found for a while. He and I are going to research every available fact about werewolves, and try to figure out some way to either cure me or restrain me.

Oct 27 - I've killed again. I know it. I was sleeping over at Eric's last night, but I woke up this morning at home, on the living room floor. I called Eric, but he didn't answer. Lord, what if I killed him? What do I do? I can't turn to anyone else, no one would understand! I don't know what to do.

Oct 28 - Eric's okay, thank God. But I can't say the same for his landlord, who, according to news reports, was brutally murdered two nights ago. I have to be stopped before I kill again. But I can't just commit suicide, I'm not strong enough. Should I ask Eric to kill me? No, I can't ask him to do that. What should I do? What should I do?

Oct 31 - This will be my last entry. Eric and I agree that the only way to stop me is to kill me before I change again. He's given me some pills to take tonight, enough pills so that when I fall asleep I won't wake up again. Please, God, if there is a God, please don't let me wake up...

"Ladies and Gentleman of the jury, the diary excerpts that you just heard are only part of the evidence that the state will use to prove that Eric Johnson, through a combination of drugs and hypnosis, convinced his girlfriend that she was responsible for the deaths of the three people that he himself had savagely murdered."

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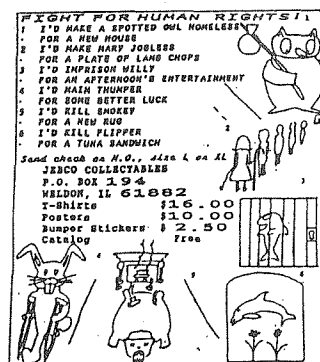
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Student Activity Center

ON-CAMPUS INTERVIEWS
November 4, 1994

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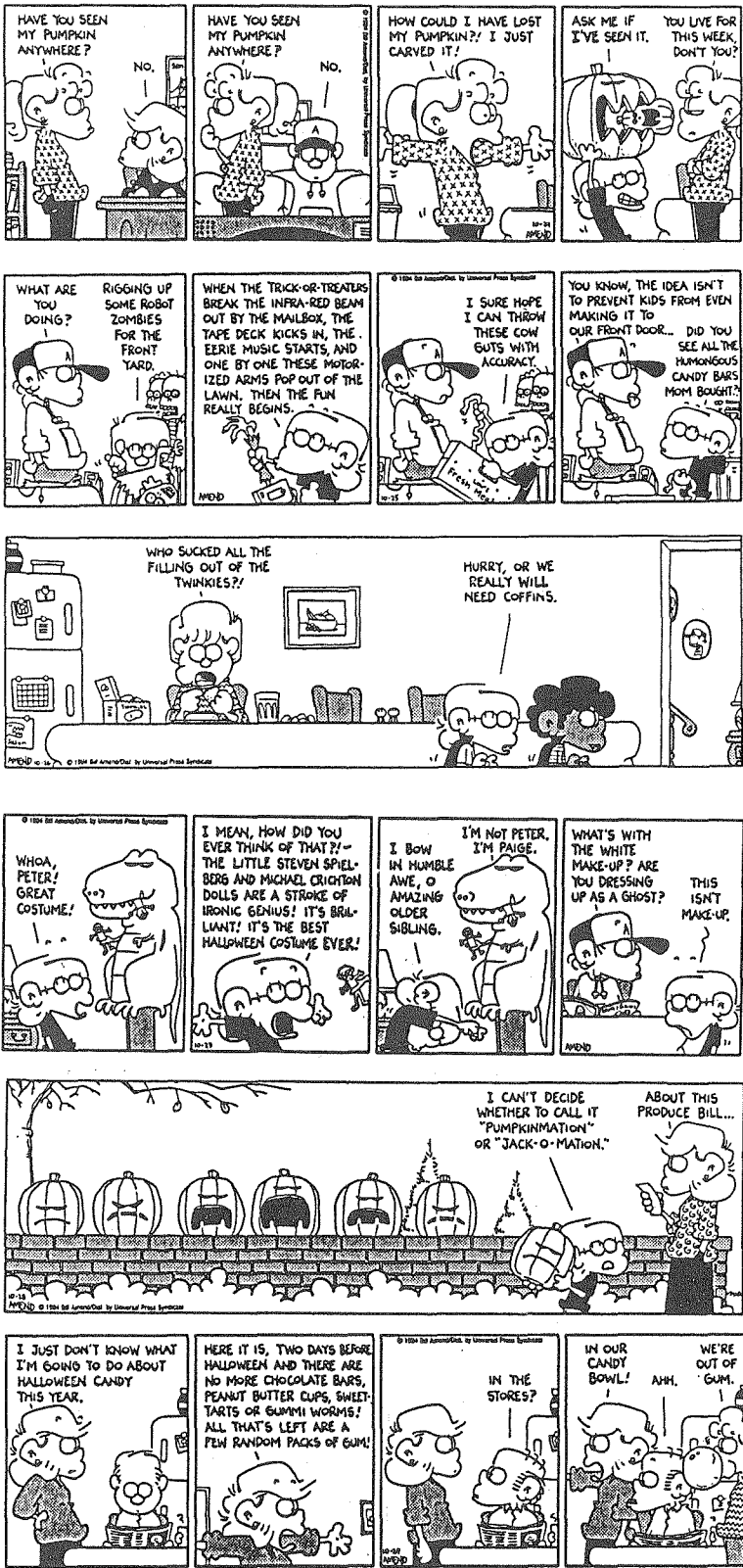


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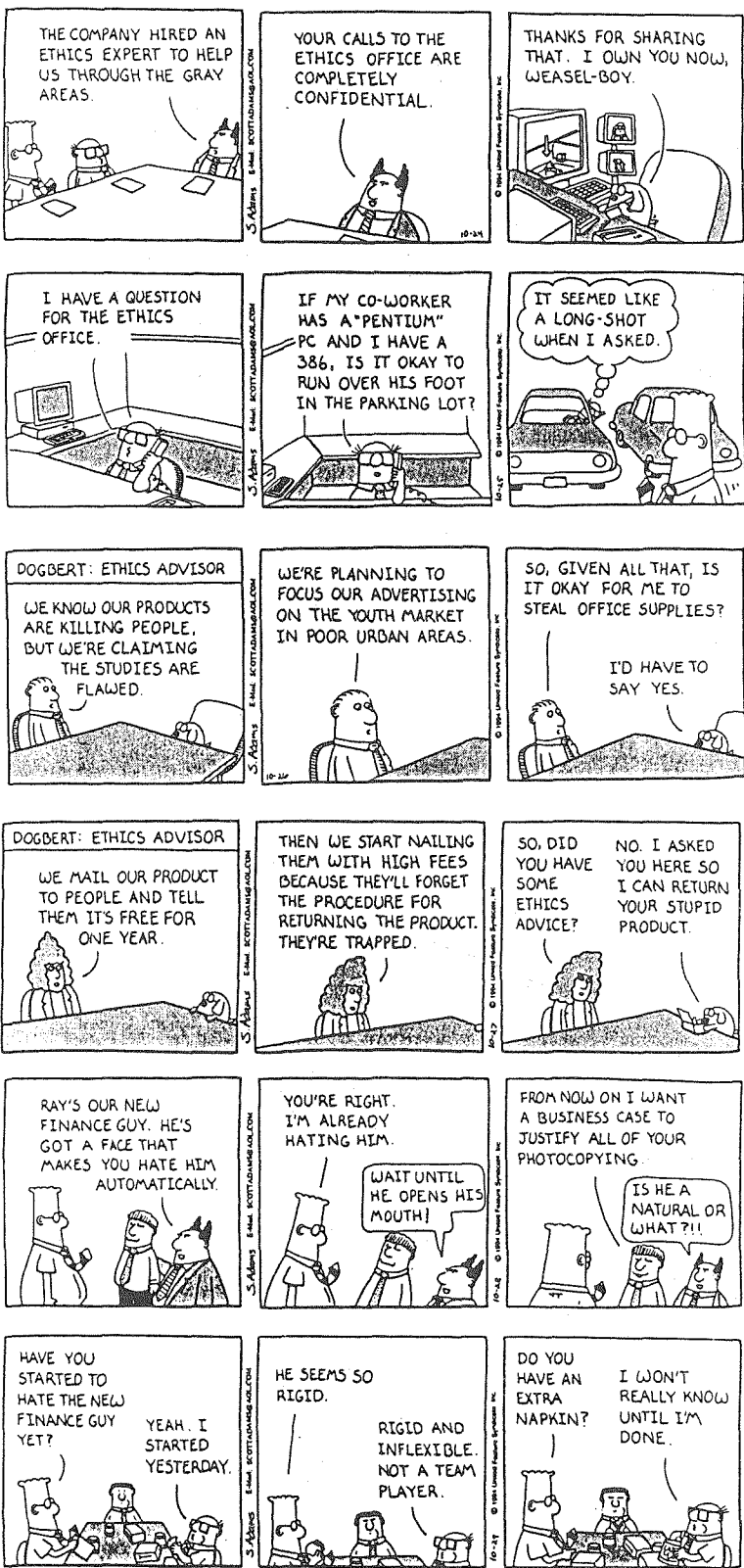
Foxtrot

by Bill Amend



DILBERT

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YNEWS

by Tophier Hunter

This week, we are introducing a new event at the Y: Saturday Night Alternative Movies, presented every Saturday in the Y Lounge, at whatever time Nature Man (aka Andrew Schoen) decides to make it. This week's SNAM is *Easy Rider*, starring Dennis Hopper. The show will start at 10pm.

On next Saturday, 11/5, the Y will present "You Laugh, You Lose," a comedy game show, in Winnett Lounge. The basic premise is that if you can listen to their comedy acts and keep from laughing for a certain amount of time, you win. What do you win? Money! That's right, you can win cash if you can withstand their comic pummeling. So mark your calendar: even if you laugh, you'll have a good time.

Long term planning: Bob Camp, the creator of *Ren and Stimpy*, will be here on the 17th of November to deliver a talk and meet with Caltech students.

Remember the Doo Dah Parade? Well, planning still goes on, and we could still use your help. Drop by the Y if you have any ideas, or if you'd just like to help out with Caltech's presentation. Dr. Nate Lewis is one of several members of the faculty and staff who have expressed interest in helping out, so you know it should be a blast! (Hopefully with a decent bit of Thermite.)

Volunteer and Community Service Opportunities:

Caltech Internet Facilitator
Pasadena Armory Exhibition "Collaborations"
November 6- December 23, 1994.

Needed: students interested in coordinating with artists, Pasadena Armory staff, and CCO on setting up an Internet account, hardware and software, and a modem link for the museum's exhibition. Salary: \$12/hr (federal work study students only)

On-Campus Tutors Needed
Tuesdays and/or Thursdays, 4-6pm
Winnett Club Room 1

Pasadena area high school students need tutors in math and science. Salary: \$8/hr (federal work study students only)

For information on these and other volunteer opportunities, contact Athena Castro at x6163 or castroa@starbase1.caltech.edu.

ASCIT NEWS

David R. Derkits

28 October 1994

✓ ANNOUNCEMENTS

- Many license plates were stolen recently - check your car, especially if you have out-of-state tags. If you find your plates stolen, please be sure to contact your state police to report the theft and to request new plates. You should also contact the Pasadena Police, who can give you a police report that will permit you to drive until you get new plates.
- Copies of the Institute policy on **sexual harassment** are available from ASCIT Directors and can be viewed on request. The administration will mail a copy to every undergraduate later in the year.
- The Board of Directors will hold an **after-noon meeting**; the date, time, and location will be announced in next week's ASCIT News. All members of the Caltech community are invited to attend and participate.

✓ CLUB FUNDING

- ASCIT Club Funding results for first and second terms, 1994-95, are posted by the ATM, near the ASCIT Copier in the SAC, and on the newsgroup caltech.ascit.announce.

✓ PUBLICATIONS

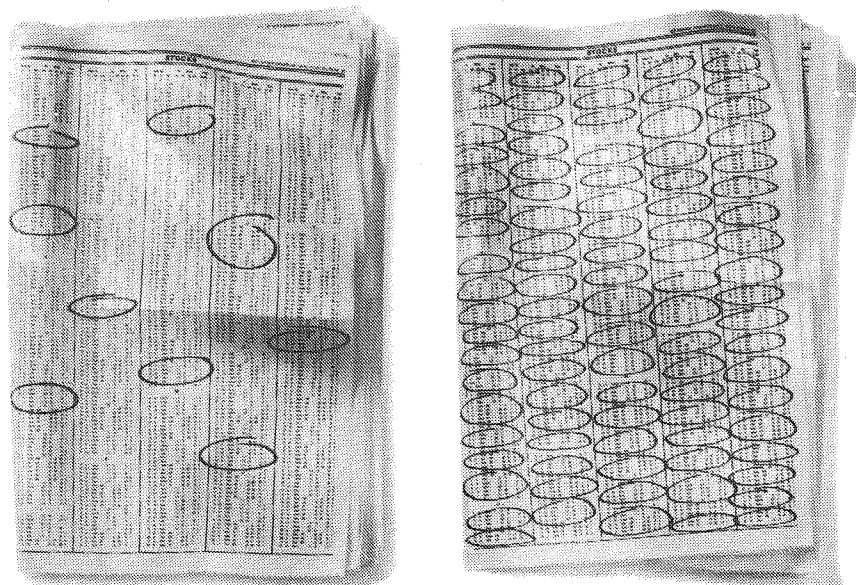
- The *little t* and *CLUE* are being distributed. Copies may be obtained in the Deans' Office.

- The *on-line CLUE* is now activated. It can be reached on the Web through the ASCIT Page: <http://www.cco.caltech.edu/~ascit/>
- The *Big T* (yearbook) has arrived and is being distributed through House secretaries.

✓ MISC ANNOUNCEMENTS

- Chris Marsh is looking for volunteers to help with the cleanup of the Halloween Party. E-mail crm@cco if you would like to assist.
- Flora Ho is looking for **co-editors** for the 1994-1995 *CLUE*. Interested undergraduates may send e-mail to floho@cco.
- Concerns about the homework, test, or collaboration policies of a class may be brought to any Director.
- Meetings of the Board of Directors are held at 9:00 PM on Mondays in SAC 64, the ASCIT Office. Special event funding requests and new business are handled at the beginning of the meeting.
- WWW: <http://www.cco.caltech.edu/~ascit/>
- Copies of ASCIT Board **Minutes** are available by mail or e-mail free of charge **on request** to students, faculty, and administrators. Requests should be sent to Secretary, ASCIT 64-58 or dderkits@cco. The Minutes are also available on caltech.ascit.announce and in House lounges.

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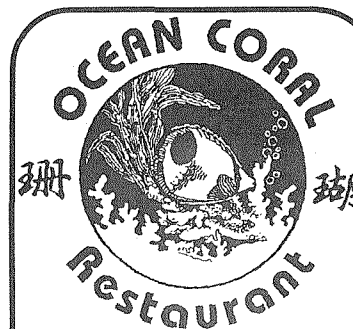
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"Playing with Science": A Dichotomy of Pleasure and Inanity

by Mason Porter

On Thursday, October 20th, Tom Stoppard, a distinguished playwright, presented his lecture "Playing with Science." This lecture, interspersed with jokes that ranged from the mundane to the esoteric, was at times entertaining and at other times tedious.

Dr. David Goodstein introduced Stoppard to the audience with his usual array of jokes, many of which have been heard by countless Physics 1 students. As Dr. Goodstein phrased it, Stoppard is "a living interaction between the arts and the sciences." This fact is especially intriguing in light of the fact that the protagonist in Hapgood, a recent Stoppard play, is based on Dr. Richard Feynman. The protagonist is a physicist who enjoys spy novels wholeheartedly, yet, when asked what he likes about them, proceeds to say how he would change each of their properties one by one. Such a metamorphosis, however, would change the very nature of these novels. This particular scene in Hapgood is one example of a technique commonly utilized by Stoppard: the juxtaposition of two paradoxical ideas.

This technique is particularly prevalent in Rosencrantz and Guildenstern are Dead (1966), his most famous play. Surprisingly, it was hardly mentioned during the lecture. This play can be considered a sort of "spin-off" of William Shakespeare's Hamlet. The play is now centered around Rosencrantz and Guildenstern instead of Hamlet. In an instant of existentialism (Stoppard, throughout his career, has denied any such connection, though he did say during the lecture that all plays are open to interpretation; that is, there is nothing wrong with the author having one intended meaning and a reader inferring an entirely different one), Rosencrantz and Guildenstern are thrust into King Claudius' castle with the sole knowledge that they "were sent for." Stoppard, in this play, plays with the laws of probability. A coin, for example, is flipped and produces heads 126 consecutive times.

The best aspect of the lecture was Stoppard's touching upon the lighter side of science. This humor was underscored by passages that Stoppard read to his eager audience, many of whom literally laughed at everything he said. "I can't think of anything

more trivial than the speed of light. I mean, who gives a shit?" Ironically, the worst aspect of the lecture were the many jokes which I found rather trite, although many in the audience were laughing anyway. It seemed as though Stoppard could not last but two minutes without an attempt at humor. It works in his plays, but it perverted the quality of what otherwise would have been a superb lecture. These jokes were very distract-

ing. A related aspect that I found rather tiresome was Stoppard's constant referral to his excerpts as "slides." He used this metaphor repeatedly throughout the lecture, and it soon grew annoying.

As a final note, Stoppard related the purpose of theater, satisfaction, as a function of many variables. These include the set, music, lighting, pace, clothing, and wit (or lack thereof). It is true that all these ele-

ments are essential for the quality of theater (which has the potential to be different each night), as opposed to a play which is but text. Indeed, Stoppard highlighted the distinction between plays and theater in his lecture. This, however, was but a tangent to the main point of his lecture. There is a "false dichotomy" between art and science. They are truly interconnected. Science, therefore, is a legitimate subject matter for the-

ater, just as it is for artwork (i.e. M.C. Escher).

Though far from faultless, it was an interesting and thought-provoking lecture. The excerpts were well-chosen and one can only hope that it incites more people to read the works of this (mostly) excellent playwright.

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NOTICES

The Caltech Bookstore will be holding the **Giant Pumpkin Raffle** on Monday, October 31st at 4:00 p.m. at the front of the bookstore. You can get tickets free with a purchase of \$2.00 or more from the store, and you need not be present to win. So make sure to drop on by and get a key chain or something this month.

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

The County of Los Angeles Department of Health Services' Immunization Program has declared October 23-29 as **National Adult Immunization Week**. The tetanus-diphtheria immunization is available at the Health Center. This important booster shot should be updated every 10 years. The charge is \$4. This service is available to students only.

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

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

WORK STUDY JOB OPENINGS

Work-study wanted for **general office support and data entry**. Ten (10) hours per week in the International Student Program's Office. \$7.00 - \$8.50 an hour. Please inquire via e-mail to chris@pcmail.

FROM THE COUNSELING CENTER

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

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

COMING EVENTS

"**The Great Canadian Train Ride**," TODAY! Friday 28 at the Beckman Auditorium, 8 p.m. Doug Jones personally narrates this Armchair Adventures travel film, which covers the travel of the luxury train "The Canadian" as it crosses Canada. Admissions: \$8.00-6.50. Call (800) 423-8849 or (818) 3954652 for more information.

"**From Plains, Pueblos and Tundra**," Beckman Auditorium, on Friday November 4th at 8 p.m. Native American music and dance is offered by the Cellicion family from the Zuni tribe of New Mexico, the Locke family of the Lakota tribe of the Great Plains and Chuna of the Yup'ik tribe along the Bering Seas. Cherokee storyteller Gayle Ross will serve as master of ceremonies. Admission: \$8.00 for students beginning one-half before the performance. Call extension x4652.

Frances Black, Beckman Auditorium, November 5, 1994 at 8 p.m. This Irish folk singer, whose style is heartfelt

Events and Notices

✂ denotes a new announcement.

and romantic, is making her debut solo tour of the United States. Admission is \$8.00 for students willing to come half an hour early. Call extension x4652 for more information.

✂Caltech returns to the classics with the Theater Arts production of **Julius Caesar**. Following in the footsteps of Shakespeare's own acting troupe, this production features staged battle scenes, an outdoor venue, natural lighting, and actors cast in multiple roles. Performances are Saturdays and Sundays, Nov. 5-20, at 1:30 p.m. in Braun Court. General admission is \$8, students \$6. Group rates are available. For information, call (818) 395-4652 or (800) 423-8849.

✂**Paula Siwford**, Assistant Director of Student Health at the University of Southern California, will be giving a seminar titled "**Doctor/Client Communication: Getting Your Needs Met**" on November 2nd at noon in the Women's Center Lounge as part of the **Women's Health Series**. A health education and communications specialist and a health researcher, she will be discussing the problems that often impede doctor/client communication that impair proper diagnosis and solution to medical problems

FREE TICKETS AND STUFF

Dr. Lucy Jones, Beckman Auditorium, on Wednesday, November 2nd at 8 p.m. Dr. Lucy Jones of the U.S. Geological Survey will give an E.C. Watson Caltech Lecture entitled "The Northridge Earthquake-Why Didn't We Predict It?" Admission: Free. (800) 423-8849 or (818) 395-4652.

The **Britten Quartet** will give a Coleman Music Concert on Sunday, November 6 at 3:30 p.m. in the Beckman Auditorium. Included on the program will be Ravel's Quartet in F major; Britten's Quartet No. 2; and Schubert's "Death and the Maiden" Quartet, promising to be a performance to die for. Only fifty free tickets to these concerts are available to Caltech students with current I.D. (limit two free tickets per I.D.) and are available at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot, beginning October 31st, respectively. The tickets are normally sold for a range of \$22.50 to \$12.00, so rush on down to the ticket office now.

The **Caltech-Occidental Concert Band** will present a free concert on Saturday, November 19th. The concert will begin at 8:00 p.m. Guest soloist with the bands that night will be tenor, Robin Reed. Robin will sing well known arias from famous operas, including Pagliacci, Rigoletto, and Tosca. The concert band will be featured in music from around the world. Admission is free and open to the public. There is also free parking near the auditorium.

The **James Michelin Seminar Series** presents **Vibeke Sorensen**, a visiting Professor from the University of Southern California, School of Cinema and Television for a seminar entitled "**Computer Animation and Video Art**" on Tuesday, November 1, 1994 at 7:30 in Beckman Institute Auditorium. Admission is free and encouraged to the public. Vibeke Sorensen will be showing and discussing her work in computer and video art, including interactive stereoscopic animation, visual music, and multi-monitor video installations. Included will be a discussion of her recent collaborations with scientists as well as issues facing artists and scientists as discourse between these groups increases. This seminar, the third in an on-going series, augments the James Michelin Distinguished Visitor's Lecture series. Both are designed to foster creative interaction between the arts and sciences, so be sure to attend

CLUB ANNOUNCEMENTS

The **Entrepreneur Club** has invited David Scott Lewis, President of Cellsys, to come and tell you "**How to Make a Million \$\$ Bucks by Thinking First!**" Everyone is welcome to attend this event at Baxter Lecture Hall on Tuesday, November 1st, at 4:30pm. Refreshments will be served after the lecture. Contact jessica@portia for more info.

✂**FREE FOOD!** Saturday, October 29th is the day to remember for and the **Caltech SEDS/ Caltech Anime Society joint movie/ice cream social!** Starting at 6 p.m., they will be showing **Vampire Princess Miyu**, **Wings of Honnenaise**, **The Black Hole**, and **Lawnmower Man**. The shows will start at approximately 6, 8, 9:30, and 11:30, and there will be scads of ice cream and drinks provided. All the members of the Caltech community are invited.

✂"**Fun, Food, Fellowship**." There will be a **Multi-cultural Picnic** on October 29 from 12:00 to 6:00 p.m. at Tournament Park. The picnic will be sponsored by Open-Line and the International Student Programs. Food will be provided, but additional food donations will be appreciated.

✂The **Caltech Ballroom Dancing Club** meets every Thursday (except Thanksgiving Day) at 7 p.m. in Dabney Lounge for a 90-minute ballroom dance lesson. No previous dance experience is required for this free class. Experienced dancers meet every Sunday at 1:30 p.m. in Winnett Lounge for a two-hour intermediate ballroom dance lesson. For further information, please send e-mail to therman@arms.gps.caltech.edu.

✂**Electric Car Club** wants to announce that The LA Chapter of the Electric Automobile Association will hold its monthly meeting on Saturday, Nov. 5th, at 11AM in Winnett Lounge. Anyone interested in electric cars is welcome. This month Ken Koch, who runs a business for converting gas cars to electric, will discuss the latest in electric car accessories. Several members drive their electric cars to the meetings, and will park outside the Y. We are always happy to show them off and answer questions before and after the meetings. The meetings are always on the first Saturday of the month, same place and time. Do you part to clean up LA's air—get involved! For info, contact EAA president Irv Weiss at 841-5994 or give Steve Potter a call at extension x6787.

✂**OASIS, the Organization for the Advancement of Space Industrialization and Settlement** (A Chapter of the National Space Society), invites you to their seminar "Amateur Space (or Let's Build a Rocket in the Garage!)" on Saturday, November 19, 1994 at 7:00 to 8:30 p.m. in the Von Karman Auditorium, Jet Propulsion Laboratory. For over 30 years, space exploration has been dominated by governments and large corporations. Now low-cost computer, microelectronic, and materials technologies put space within the grasp of the amateur. Members from local amateur space groups will discuss their work in this field and show hardware and videos of flight and ground tests. Topics will include: Why Go Into Space? Financing: How are we gonna pay for this stuff? Safety, and Legal Requirements. Admission is free, though donation will be gratefully accepted; children are welcome. For more information, call the OASIS Hotline: (310)364-2290

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

The **Caltech Swedish Club** will meet at 3 p.m. on Sunday, the 13th of November, at 200 S. Catalina apt G. Anyone interested in Scandinavian culture or in speaking Swedish is welcome. For more information, please call Rustan or India Leino at 584-7162 (or email rustan@cs), or Matt or Karin Johnson at 568-8596 (or email msj@caltech.edu).

INTERNSHIPS AND COMPETITIONS

The **Sacramento Bee**, a 270,000 circulation McClatchy newspaper located in California's capital city, is offering summer internships in reporting, sports, copy editing, photo-journalism and infographics. The internships are full-time for 12 weeks and pay \$375 a week, though you'll be responsible for your own housing. Apply by December 1, 1994 for internships in News, Sports Reporters, Copy Editors, Photographers, and Graphic Artists to The Sacramento Bee, P.O. Box 15779, Sacramento, Ca. 95852 or call (916) 321-1001 for more information.

Cera Foundation Poetry Award. Win \$300 for an original poetry composition. To enter send your poem, with your name, mailing address, phone #, and school name by October 31 to: The Cera Foundation Poetry Scholarship, 14854, Fremont, CA 94539. Entrants must be currently enrolled in a college or university.

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

The 1995 **Elie Wiesel Prize in Ethics Essay Contest**, with awards totaling \$10,000, is now open to junior and senior undergraduates who are enrolled full-time at an

accredited college or university in the United States. The deadline for submitting an original 3,000-4,000 word essay is January 13, 1995. The theme for this year is: "Creating an Ethical Society: Personal Responsibility and the Common Good." For entry forms and guidelines contact: The Elie Wiesel Foundation for Humanity, 1177 Avenue of the Americas, 36th Floor, New York, NY 10036. Phone: (212) 221-1100.

No, we do not give sides of cole slaw. No, we can't hem your dress pants. No, we won't offer you 110% of the difference if you find the same product somewhere else for cheaper. But yes, we can publicize any of those events that you're helping to organize and are eager to let the whole CIT community to know about! So make sure to drop us a line and get your events on the left foot. Extension x6153 or for E&N x1545, or drop by our office near the Coffeehouse. The Tech. Bringing you new and interesting arrangements of words.

FELLOWSHIPS AND SCHOLARSHIPS

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

✂**Undergraduate Scholarships for Study Abroad**. The **National Security Education Program (NSEP)** provides scholarships to freshman through seniors who wish to pursue undertake serious study in foreign countries as a complement to their U.S. academic and career goals. Foreign language study is required for all study abroad proposals. Students may not study in Canada, Australia, New Zealand, or Western Europe. Applicants must be U.S. citizens. Freshman and sophomores may study during the summer of 1995. Sophomores, juniors, and seniors may study in the fall of 1995 or spring of 1996. All candidates must have a campus interview with the NSEP advisor, Lauren Stolper. Contact Lauren for applications and information: ext. 2150 or email Lauren_Stolper@starbase1.caltech.edu. Please come by the Fellowship Office in the same building as Lloyd House to review an application. The campus application deadline is Monday, November 28. All application materials must be turned in to Lauren Stolper.

Awards for Study in Scandinavia. U.S. citizens or permanent residents, graduating seniors through post-docs may apply for a fellowship to do advanced study or research in Denmark, Finland, Iceland, Norway, or Sweden. Awards are made in all fields. It is desirable to have some ability in the language of the proposed host country. November 1 is the application deadline. Applications are available in the Fellowship Office.

NSF Fellowships. NSF fellowship applications are available in the Fellowship Office in Lloyd House and in Career Development. Note that NSF Fellowships can be used to do graduate work abroad. Call Lauren Stolper at x2150 if you have questions. The postmark deadline for part 1 of the NSF application is November 4, 1994. This is a short application. Upon receipt NSF will send you part 2 which is due on December 2. Seniors and 1st year grad students are eligible to apply. Must be U.S. citizen.

NDSEG Fellowships. The **National Defense Student Educational Grants** are sponsored by the Dept. of Defense and are very similar in value and requirements to the NSF awards. No military service is required to win these awards and they can be used at any U.S. university. The application forms for these awards will be available from the Fellowship Office in late October or early November. Seniors and 1st year grad students are eligible to apply. Must be U.S. citizen.

Josephine De Karman Fellowships provide ten \$6,000 fellowships. Students in any discipline (graduating seniors who will start grad school next fall through grad students who will be entering their final year of study in 1995 -no post-docs) can apply. The grant is for one year only. While special consideration is given to students in the humanities only a small group of universities are in-

vited to have their students apply for this award so scientists/engineers are competitive. Note that international students already enrolled at Caltech as undergrads or grad students may apply. Applications must be requested by each individual in writing by January 15, 1995. Send your request for an application to: Mrs. L. Hays, Secretary, Josephine de Karman Fellowship Trust, P.O. Box 3389, San Dimas, CA 91773. Application postmark deadline is January 31, 1995. So request an application now. Don't wait until the Jan. 15 date as you'll have to rush to complete the application.

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

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

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

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

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

The **American Scandinavian Foundation of Los Angeles (ASF/LA)** is awarding four \$1,000 scholarships to undergraduate and graduate students with a demonstrated interest in Scandinavia. Applicants must have strong academic qualifications and must show financial need. Two letters of recommendation, appropriate transcripts, and the completed application are due by March 15, 1995.



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