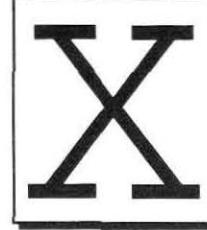
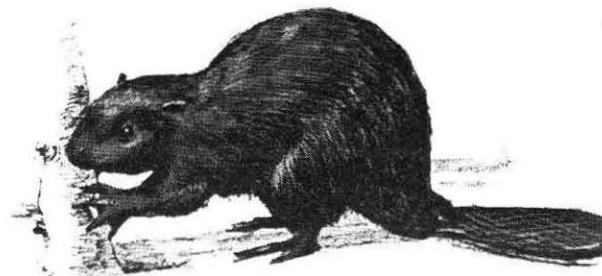


Dabney House hosts Drag Pageant today. Seven this evening, Dabney courtyard. All seven houses are sending five contestants.



The ASCIT Movie this week is *The X-Files*

# THE CALIFORNIA TECH

VOLUME C, NUMBER 8

PASADENA, CALIFORNIA

FRIDAY, NOVEMBER 6, 1998

## EARTH FOUND TO HAVE TWO INNER CORES

BY SHANNON STEWMAN

Considerable evidence points to the Earth's inner core having two distinct layers according to a paper published in *Science* last week by Caltech professor Donald Helmberger and Xiaodong Song of the Lamont-Doherty Earth Observatory.

The research, part of Helmberger's fifteen year look into the boundary between the Earth's core and its mantle, is a result of seismic studies which map the path of earthquakes from their origin to points around the globe. This paper focuses on some resolution of the complex changes to the earthquake waves when they pass through the core and uses data from 1966 to 1997.

The basic method of Helmberger and Song's research is to use earthquakes whose paths are straightforward to model as a background on which to model the changes the inner core affects in waves which pass through it. The modeling technique used is computer environment simulation, which provides detailed information on the environment of the inner core.

Geophysicists have long known the inner core to be anisotropic, or direction preferential, but this new research gives insight into a nonuniform inner core which contains outer isotropic regions which have no directional preference.

Specifically, the work explains the complex waveforms such as one recorded in South Korea, Alaska, and Canada, of an event from the South Sandwich Islands, off the coast of South America. This new model of the inner core may also explain time discrepancies between the event's occurrence and its reception at the various recording stations.

Helmberger's future work in this direction will include a more accurate model of the heterogeneity of the inner core, including where it varies and why. Other directions he expects this to go include a comparison of the inner core's shape with that of the Earth's surface.

PLEASE SEE INNER CORE ON PAGE 2

## IHC Rotation meeting to be held

BY TECH STAFF

Before the school year began, the IHC went on a retreat to discuss everything about Rotation. Part of the result was published in the *California Tech* in the form of interpretations and justifications of the Rotation Rules. The other main result was the decision to review Rotation.

It has been a while since Rotation has been reviewed on a campus wide basis. The Interhouse Committee believes that Rotation should be reviewed on a regular basis to ensure that it is working as intended. To accomplish this, they have put out a Rotation Survey and are holding a Rotation Review forum.

The goal of the survey is two-fold degenerate. The first

half of the survey is intended to gauge how successful Rotation has been in finding the best match between new students and the seven undergraduate Houses.

The IHC hopes the second half of the survey will reveal the effectiveness and the general campus opinion of the Rotation Rules. Surveys have been put in the mail boxes. Jaideep Singh, Chairman of the IHC, strongly encourages everyone to fill out the survey and return it. The survey may be returned to anyone on IHC.

Jaideep has stated that comments on Rotation are also welcome, but need to be returned by Saturday afternoon. The deadline has been set so that results can be tabulated and posted before the Rotation Review forum.

PLEASE SEE ROTATION ON PAGE 2

## Physics and Music meet in Karamazovs' Show

BY TECH STAFF

On October 30th, Beckman Auditorium hosted a lecture and demonstration on classical physics. Physics talks are nothing new to Caltech, but this presentation was different: the world-renowned speakers, one of whom claims a degree in English literature, relied more on example than equations to convey their message and freely admitted that "we don't have the slightest idea what we're doing."

Rather than a visiting professor, The Flying Karamazov Brothers performed last Friday, filling two hours with juggling, music, and social satire. The show, entitled "Sharps, Flats and Accidentals" began spoofing Mozart and Bach, then moved to Japanese Taiko, ballet, and jazz. While known for their juggling, the quartet's musical ability proved equal to the task of playing Mozart's Concerto in B-flat for Bassoon on a euphonium, accompanied by a trombone and saxophone. Even more impressive was the taiko rendition done on cardboard boxes.

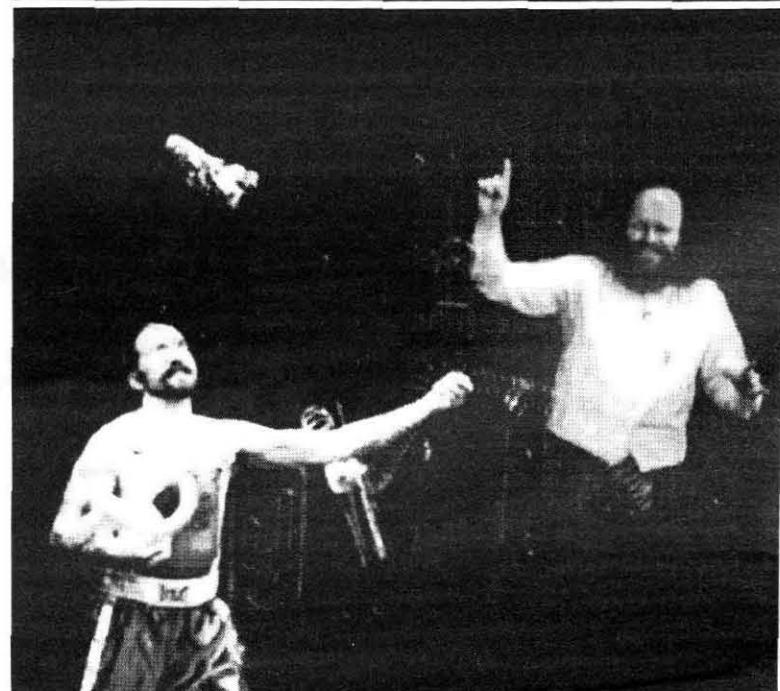
The juggling, while not particularly complex, was equally impressive. Dmitri, Ivan, Smerdyakov and Fyodor even proved they could juggle and chew gum at the same time. Music was integrated with juggling in numerous ways. At one point, in the words of Dmitri, "We will attempt, not only to juggle, but also to play music by bashing ourselves repeatedly in the head." They then rendered a simple tune by beating their helmeted heads with flying clubs. Later, two of the Karamazovs played a xylophone while juggling the mallets, and juggled clubs were used to play drums. In the grand finale, various objects were used to activate sensors connected to electronic synthesizers, playing "The Whole World Gotta Learn To Juggle."

The highlight of the evening was a stunt known as "The Gamble" in which Ivan Karamazov attempted to juggle random objects provided by the audience. If successful, he would win the undying admiration and profuse applause of the

PLEASE SEE BROTHERS ON PAGE 2



This Saturday, on Halloween, at midnight, was the annual Millikan Gravitational Accelerator experiment. This year the drop was attended by undergraduates, graduate students, staff, and others from outside Caltech. Pictured above is a member of Dabney House cleaning up after the event.



"A very dead fish" flies through the air, along with a Slinky and balloon sculpture in an unusual demonstration of physics. "The Champ," Ivan Karamazov, eventually succeeded in juggling these objects during the Flying Karamazov Brothers' performance at Beckman Auditorium.

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## BROTHERS...

CONTINUED FROM PAGE 1

audience, but failure meant a pie in the face. Items brought by audience members included powerful magnets, a used diaper, an electronic insult machine, and various shoes. However, the spectators finally selected a Slinky, a balloon-water sculpture, and "a very dead fish." After several attempts and allowed modifications to the items, Ivan successfully juggled

the objects, though most of the dead fish ended up strewn across the stage.

The evening was brimming with the superb showmanship, energy and hilarity that have made the Flying Karamazovs international favorites over their past twenty-five years of touring. The group's vivacity in performance is amazing considering that '70s bands are starting reunion tours, but as Fyodor said, "...it's still more fun than a pig in an aluminum factory!"

## ROTATION...

CONTINUED FROM PAGE 1

The forum will be held in Winnett Club Room 1 on this Sunday at 4 p.m. The entire undergraduate community is invited. The IHC will use a talk show style form to carry out the meeting. The agenda of the forum is fairly nebulous, however, the IHC intends to discuss the survey results, the Rotation Rules, and the effectiveness of the process.



## INNER CORE...

CONTINUED FROM PAGE 1

Donald Helmberger was a recipient of the 1987 Lehmann Medal of Geophysics. Xiaodong Song is one of his former graduate students.

## CORRECTIONS

In the article, "Candidates, their looks, their quirks and the election" last week, some text was missing. As a result, portions of the article misrepresented the author's opinions and the candidates' positions.

Specifically, her opinion on the Republican candidate for U.S. Representative, James Rogan, the text that read "I don't dig the separation of church and state" should have read "I don't dig the blurring of separation of church and state."

The Lehman Brothers advertisement appearing on page five of the October twenty-third issue indicates the wrong date for their information session. The correct date is November 16, 1998, at 4 p.m. in SAC 13. We apologize for this error on our part and hope this has not caused any confusion.

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3-Year	4/2,120	4/459	5/2,120	5/2,120	4/719	4/2,120
5-Year	4/1,363	5/235	N/A	N/A	4/487	4/1,363
10-Year	4/674	N/A	N/A	N/A	N/A	N/A

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# Annual Prufrock Party Features High Variety Of Costumes

BY TECH STAFF

This year's Prufrock Halloween Party, held last Saturday night, had an impressive turnout of costumed guests from the undergraduate, graduate, and faculty facets of the Caltech Community.

The party, which is sponsored by the Department of Biology, is traditionally held on the Saturday following Halloween. This year the party just happened to fall on Halloween itself.

Prufrock House itself, located just across the street from Beckman Institute, was packed solid for a good portion of the night, with people slowly moving through the crowd of people standing around to get refreshments or to get onto the dance floor. Even more people were

gathered on the lawn outside of the building.

\* However, the most impressive thing about the Prufrock party has always been the costumes, which many of the people in attendance create for the occasion. Costumes included a left field wall, complete with scoreboard, a keg of beer (which actually worked), and a living lab practicum.

Keith Matthews, a second year graduate student and Resident Associate of Blacker House, built his costume. He went as a peacock, and crafted his feathers out of wood, bolts, and paper so that he could have a tail that expanded and contracted like the real bird.

Jen Shively, the other half of the Blacker R.A. duo, spent her time crafting a finely decorated mask for her Tiger costume.



*The members of Prufrock before the party started, pictured from left to right: Glenn Turner, Kevin Scaldeferri, Yen Bui, Shanti Rao, Martha Kirouac, Tina Iverson, Tom Tubman, and Jen Ottesen*

PHOTO COURTESY OF SHANTI RAO

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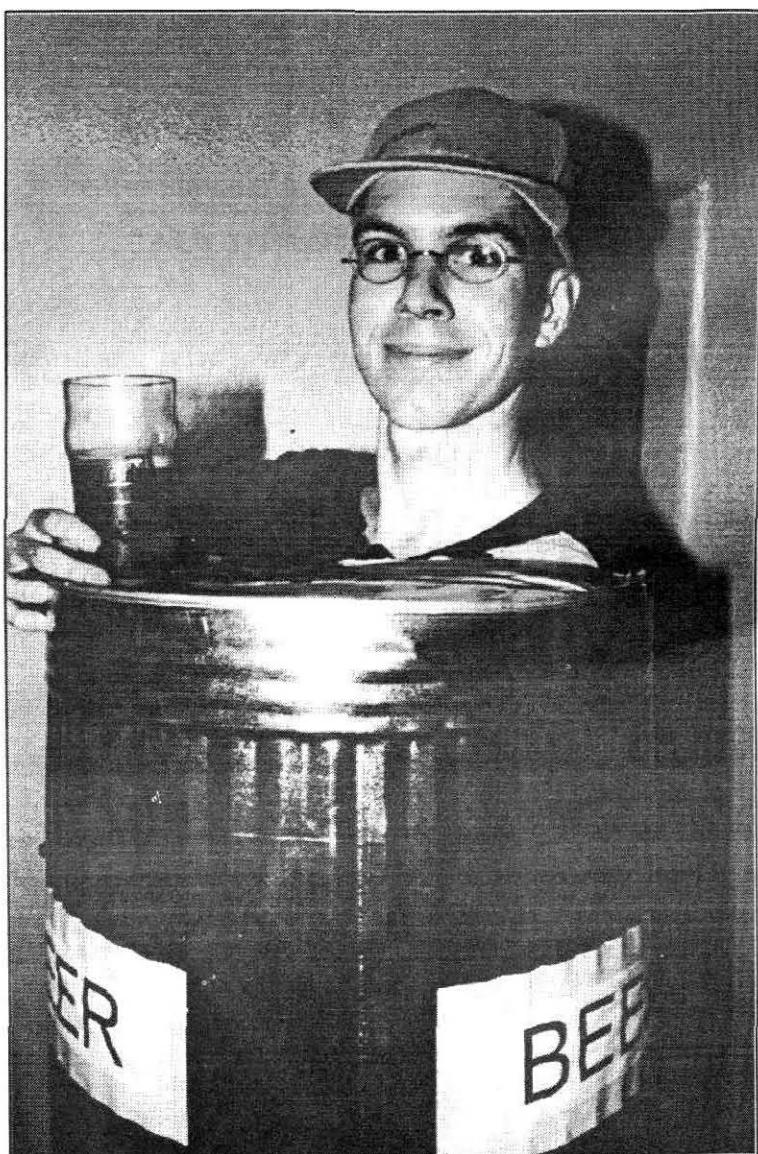
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4:35pm  
7:00pm  
9:20pm

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*Some costumes even tried to be the life of the party. This one in particular, (could it have been inspired by the 'ever-popular' GUSH?), supposedly was as functional as a real keg of beer. See <http://www.its.caltech.edu/~prufrock> for more pictures.*

PHOTO COURTESY OF SHANTI RAO

# Clubwatch!

The Aero Association of Caltech (The Caltech/JPL Flying Club) will have its bi-annual general membership meeting on Wednesday, November 11th at 7:30 p.m. in room 269 Lauritsen. The meeting includes guest speaker John Papas or Dreamflight, who will speak about club opportunities to fly the restored DC-3 "Rose," a slide presentation of the club's recent visit to Edwards Air Force Base, and refreshments. This meeting is open to everyone. For more information, contact Greg Detweiler at x1697, [goryd@its](mailto:goryd@its).

The Caltech Anime Society holds showings every Friday and Saturday night starting at 7:00 p.m. in SAC 13. Drop in at anytime. In addition, the club is having a business meeting tonight after showings. For more information, email [anime@ugcs](mailto:anime@ugcs).

The Caltech C (a Chinese students association) continues to host Chinese movies once a month. They are also in the process of planning a ballroom dancing

party, an academic social with Chinese professors, a Catalina Island camping trip, and a ski trip. For more information email [huang@its](mailto:huang@its), [luoyu@its](mailto:luoyu@its), and [hzshen@its](mailto:hzshen@its).

The Caltech Toastmasters Club meets every 3rd Thursday from noon to 1:00 p.m. in Beckman Institute, room 121 to work on speaking skills. The next meeting will be held Thursday November 19th. For more information, contact Louisa Toot, x3408, [louisa@library](mailto:louisa@library) or Jesus Ayala, x6744, [finjma@finance](mailto:finjma@finance).

The Juggling Club meets every Monday, Wednesday, and Friday at 5:00 p.m. in front of Beckman to practice and try group juggling patterns. All those interested may attend. For more information, email [forster@its](mailto:forster@its).

The Nine or Ten Guys Who Secretly Control Everything: Meet in the Hayman Lounger at 9:30. Swing dancing in Avery to follow. Please email [gatesb@microsoft.com](mailto:gatesb@microsoft.com) for directions.

Students for the Exploration and Development of Space (SEDS), is planning a star party at Joshua Tree National Park on Saturday, November 21st. Groups will be leaving from 1:00 p.m. to 5:00 p.m. Carpools are available. Activities include a brief hike, boulder gazing and climbing, a group dinner, and a night of space-gazing. For more information, contact [seds@its](mailto:seds@its).

The Tang Soo Do club will be attending the Mexican National Championship Tournament on Saturday, November 7th in Mexico City. Classes are Mondays and Tuesdays at 7:30 p.m. and Fridays at 7:00 p.m. in the Brown gym and are open to the entirety of the Caltech Community. For more information, email [Ricard.Hassan@jpl.nasa.gov](mailto:Ricard.Hassan@jpl.nasa.gov).

If your club is having an event or holding a meeting and would like it to be reported on in Clubwatch! please email [editors@tech](mailto:editors@tech) with the appropriate information. Advertisement solicitations will be forwarded to [business@tech](mailto:business@tech).

## The Outside World

by Cheryl Forest

**CENTRAL AMERICA:** This region is struggling to recover from the devastating effects of Hurricane Mitch, which killed an estimated 11,000 people before heading out over the Atlantic Ocean Thursday. The worst damage occurred in Honduras; the government there is reporting 6,500 dead and over 11,000 missing. In Nicaragua, the death toll has already reached 3,800.

**NEW YORK:** The United Nations voted unanimously Thursday to condemn Iraq and to demand that Baghdad immediately resume cooperation with U.N. weapons inspectors. The condemnation came in the wake of Iraq's decision last week to stop all cooperation with the U.N. Special Commission. The U.N. resolution doesn't state any consequences for Iraq, although Great Britain and the U.S. are preparing for possible military action.

**UNITED STATES:** For the first time since 1934, the party of the president gained seats during Tuesday's midterm election. In the Senate, the balance stayed the same as prior to the election; the Republicans have 55 seats and the Democrats have 45. In the House, the Democrats gained five seats and now have 211 seats. The Republicans have 223 seats, and one Representative from Vermont is an Independent.

**LONDON:** Augusto Pinochet, a former Chilean dictator, is currently in London awaiting the end of a trial that will decide whether or not he will be extradited. The Spanish government is pushing to have him extradited for "crimes against humanity" committed during his rule, but due to a law in Britain protecting heads of state from prosecution, he has yet to leave London. Lawyers representing Spain and such groups as Amnesty International are arguing that international laws supercede national laws in cases such as this.

**MINNEAPOLIS:** In one of the more memorable elections to occur this election year, Jesse "The Mind" (formerly "The Body") Ventura, a former WWF wrestler and Navy SEAL, sailed past two career politicians to become the next governor of the great state of Minnesota. Ventura initially asked former Minnesota Twins first baseman Kent Hrbek to be his running mate, but Hrbek turned the offer down because it "would have interfered with [his] fishing, hunting, and bowling." Instead, Ventura ran with St. Paul schoolteacher Mae Schunk. Upon being elected, he immediately broke one of his less-than-serious campaign promises: He did not rappel into the state Capitol from a helicopter.

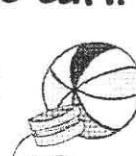
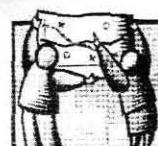
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The CDC is looking for a few creative students with organizational and solution-finding abilities to assist with the planning of Career Day on February 18, 1999. Committee members will commit to attend approximately one meeting per month prior to Career Day, and serve as hosts for company representatives on Career Day. If you are interested or would like more information, please contact Jonie Watanabe at ext. 6361 or [joniew@caltech.edu](mailto:joniew@caltech.edu).

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*PhD Resume Deadline: October 12, 1998*

*PhD Round "0" Interviews: October 19, 1998*

*PhD First Round Interviews: October 27, 1998*

*PhD Final Round Interviews: Date varies by office*

#### Graduating Seniors

*Presentation/Case Interview Workshop: November 10, 1998*

*Associate Resume Deadline: December 4, 1998*

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# John Carpenter's Vampires—"Better stick with Buffy!"

BY JUSTIN HO

**Rated R:** for excessive blood and gore, harsh language, gratuitous nudity, and critters that go bump in the night.

**Rating:** 3 cowpies

There's something to be said about movies whose titles have a director's name preceding them—the film crew is depending on the success of movies past for a good showing, and while this may work for the debut weekend, the reviews are bound to catch up. "John Carpenter's Vampires" is simply gee-darn awful. Following in the footsteps of "From Dusk 'Til Dawn", there is absolutely nothing original about a showdown between vampires and cowboys in the Old West. Butchering the movie with an even worse blend of music however, is charting new territory.

James Woods, who is in desperate need of a new agent, stars as the pope-endorsed vampire slayer who leads a melange of flunkies through New Mexico to exterminate vampire nests. To their credit, they have a nice hodge-podge of artillery: bows and arrows and knives which themselves don't do anything. The arrows are intended to remain in the vampire, and then a jeep which pulls a cable attached to the arrow drags the living

dead into the Sun to turn into crispy treats. In response to the need to fill time due to its very blatant lack of plot, the movie focuses a bit too much time on how the slayers need to get equipped to kill the yucky suckers. With all the time they need just to get ready, it's no wonder then that the pimp daddy of vampires, 600 year old Valek, literally makes minced meat of the crew, with only Crow (James Woods) and cheesily-named sidekick Montoya (Daniel Baldwin), barely sneaking by with their lives. After their much anticipated first routing of vampires, the members had felt the need to get a little freakin' with some beer and gratuitous nudity. Valek, evidently tipped off by someone in the Vampire Slayers 'R' Us association, with super-human strength and inhuman cruelty, decided to make a most interesting party crashing scene. Word to those who may be squeamish—the way the first guy dies leaps straight off the TV with a quality reminiscent of "Those bastards, they killed Kenny." Anyhow, amidst screams and fountains of blood, Valek rips all but the two aforementioned members apart. Jack Crow is also fortunate enough to save one special prostitute who had been bitten but hadn't turned yet, and this is of course

a prudent measure, since she is unexplainably telepathically linked to Valek. What good does Katrina do? Well, she'll eventually turn into a vampire herself, but not until the two-man demolition hunts down Valek again. Seriously, the man from the dark dungeon of despair killed about 19 people—you have to wonder that Jack and Montoya's little future escapade is going to yield either an unhappy ending, or one that is incredibly cheesy.

The mystery of why this 13th century Czech priest turned blood sucker is vamping around New Mexico becomes the focus of the duo plus slut. Folklore has it that the cross on which Valek was crucified during the exorcism 600 years ago is in some unknown location in the New Mexican desert, guarded by hapless friars. What the cross does isn't known until the very end of the story, but in the meantime, the friars get killed eventually too, but not before Carpenter introduces a few more bad Halloween costumes. The pale skin, cape, and lack of interesting make-up leaps right off the pages of goth talk.

In a final showdown, two days after the bloody massacre, Crow, Montoya, human-awaiting-transformation prostitute, and a new tagalong priest are led to the sleepy town of Santiago.

The town of 30 inhabitants have all been turned into campires, and are very hush-hush about their presence, as they lure the slayers to hunt them in the shadows. Suddenly realizing that it is sundown, however, without having destroyed the Master, the crew attempts to flee the scene, but it's already too late. Well, not really because we all know how the ending will turn out anyway. The merciless Valek keeps Jack

Crow around to witness his rise to power, yada yada yada, while it is assumed that the others just disappeared. As an ally, Valek has elicited the help of a cardinal who agreed to perform a new exorcism which would give Valek the power to walk in the day. Sunlight being the only thing that can kill a vampire since wooden stakes, crosses, and garlic don't work like in the

PLEASE SEE MOVIE ON PAGE 6

There is limited number of people who can go.

Harry Turtledove is a science fiction writer that we are bringing to speak to us in conjunction with SPECTRE. He was an undergraduate here at Tech. The current plan is for him to come Monday, January 11, and speak after dinner, 7:30.

The Y is working on starting Trail Maintenance trips where we would clean deadwood and new growth on trails. Look for an event November 21st.

Keep checking the Y news for more updates. If you'd like to join us, we meet at Steele House every Monday at 12:15. Bring your lunch and come help us plan trips. If there is something you want to do, bring your ideas.

Elisa Chiang  
Secretary, Caltech Y



The Y is continuously planning events for the enjoyment of everyone! Here's an update on what's happening with the Y.

There will be a Noon Concert this week at Chandler.

In case you missed Dim Sum with CCSA, the Caltech Y is sponsoring a Dim Sum trip for this Saturday, November 7th. We will meet at Steele at 9:30 am. the cost will be \$5 a person. Sign up by emailing Elisa at polaris@cco.caltech.edu. Let up know if you can drive.



## Lehman Brothers

cordially invites undergraduates  
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career opportunities in

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Monday, November 16, 1998 at 4:00 p.m.  
Student Activities Center  
Room 13

LEHMAN BROTHERS

## FEATURES

## VAMPIRE MOVIE REVIEW

CONTINUED FROM PAGE 5

movies, Valek would be invincible — not that he isn't pretty darn close now since he's already been around for 600 years. So, this epiphany at the end of the movie is just as ludicrous as the lack of plot itself. So, the people who were supposed to be dead — the flunky priest and Montoya manage to return and save the day. Valek turns out to be a wimp and dies;

*There's nothing scary about this movie, except perhaps the fact that Columbia Pictures even released it.*

Montoya couldn't help getting bitten by the prostitute and leaves with 2 days headstart to get to Mexico before Jack is forced to hunt him down too; and in the end, Jack and his new priestly sidekick are like Humphrey Bogart and the magistrate of Casablanca hunting vampires together — The End.

There's nothing scary about this movie, except perhaps the fact that Columbia Pictures even released it. There's no visual difference between the

pale-faced goons and normal denizens of the world, so an Emmy in make-up would be the most random prize in the history of bad-movie making. Seriously, when media is already saturated with special effects movies, the producers picked a bad time to try non-conformity. The violence which pervades the first half is non-existent in the second, so the movie could hardly target blood-thirsty movie-goers anyhow. As for people into the vampire subculture, a group of them walked out after the first 30 minutes. A target audience? The movie is so shallow that minus the blood and gore, the nudity, and foul language, a 3 year old would probably mistake it for a lame Power Rangers episode. The vampires are less fear-inspiring than their counterparts in Buffy the Vampire Slayer, the movie.

Their costumes conform to the quintessential goth wardrobe, right down to the Elvira hairdos. All in all, there is a dominant sense of cheesiness, and this movie deserves nothing but 3 cow pies. For a very decent dose of plot and entertainment, with an extra side of vampirella, you're better off sticking with Buffy. Otherwise, just do some homework.

Woods: Jack Crow  
Baldwin: Montoya  
Lee: Katrina

## Background Noise

by Ron Dollete

*"Bawmp Chicky Bawmp Bawm"*

The operative word here is extensive. The authors of *The Guide to Getting It On* really covered every conceivable (no pun intended) topic in the realm of sex, foreplay, technique, and sexuality.

*The Guide* reveals an appreciation for subtle points regarding, touching, kissing, and the importance of getting naked. At the same time, it is unafraid to explore at a deeper level (what's with these puns?) almost to wincing anatomical detail. You can skip over the "This is tab A, this is slot B" chapters and read the more interesting chapters.

The book focuses a lot of attention on the sexual learning experience that men and women undergo as they mature.

It especially embraces the idea that not all men and women are created equally, often using pencil drawings to illustrate a point.

I'm not one that offends eas-

ily, and while some sketches were very well done and very implicit (like the couple in a close embrace in a shower or the couple eating breakfast nude), some were downright raunchy.

*The book discusses the issues from a real perspective, that not every women is stacked like waffles or that every man is hung like a jury*

The book discusses the issues from a real perspective, that not every women is stacked like waffles or that every man is hung like a jury. *The Guide* points out that some people, for example, are uncircumsized or have difficulty maintaining an erection or climaxing without pain.

Variety is the spice of life, and the book doesn't really say to look around these shortcomings (there I go again), nor does it refer to them as such.

*The Guide* spends an equal proportion to the more general subjects, such as intercourse and kissing, and splits time equally between oral sex for women and for men (and even discusses to some length the anatomy behind both, presenting a sort of oral theory of sorts).

*The Guide to Getting It On* is a great reference guide for yourself, but can also make a great gift for others.

## If not for your sake, then for his.



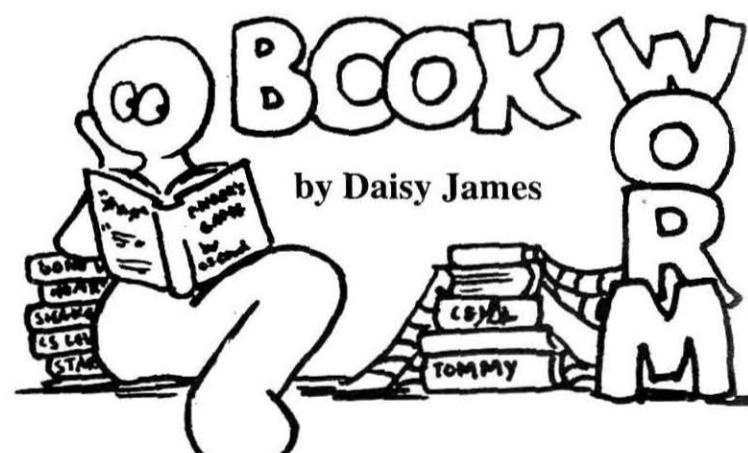
It's a demented world out there. Sure you can sit there and do nothing in your room. Or, you can take some action!

Take some initiative!

Take some speed!

## Write for The Tech!

...and maybe we won't ducttape you to a tree



Stunt  
*Barenaked Ladies*  
\*\*\*\*\*

I almost never buy a CD based on one song that I like, but something about "One Week" was so infectious that I caved in. I'm glad I did, because otherwise I might never have caught on to this very cool band.

After eight years as a cult hit, the Barenaked Ladies have finally made it to the pop charts. I can't claim any foresight here; I didn't hear them until they were on MTV.

They've been pretty popular in Canada, for what that's worth. I was a little bit disappointed the first time I listened to the album; I guess I was expecting all the songs to have the irreverent coolness of their hit.

I got over that. None of the songs take themselves too seri-

ously, but there is enough variety and range that they are all distinct.

My favorite of the slow songs is the plaintive "Call and Answer", though "When You Dream", a ballad to a new baby that lacks the pervading edge of cynicism of all of the other songs, runs a close second.

Speaking of cynicism, "Never is Enough" is probably as far in that direction as you can get and still be funny, but the rhythm is so pervasive that I found myself tapping my foot as I read the lyrics.

But my all-time favorite song on here is one called "Who Needs Sleep", which is just about the perfect thing to have playing when it's three in the morning and you just got through the second problem.

If we have to have something different sung at commencement, it should be this.

OCTOBER 8, 1998  
**I.H.C.  
MINUTES**

**Present:** All, Audrey Lee

Meeting called to order around 22:00.

**Dealing With Guests**

**Audrey** - Lisa adds Sam Wilke to the Page Ath List, and Andy adds Matt Bachmann to the Lloyd Ath list. (Matt's going sub-zero with the penguins starting November or something)

**General Business**

**Rotation Discussion** - There will be an open discussion of the policy and procedure regarding Rotation on Monday, November 2, at 9 pm in Winnett Lounge (if I can get it, or else 22 Gates) Tanya will put mail in the Mailboxes, put up flyers, try to get a directory e-mail out, and put an ad in the Tech.

**House Dinners** - Blacker is having Ruddock over (this week). Dabney will have one floor of Page over soon, and the normal floor on a different night. Also Jaideep wants to foster house-institute relations, so invite: NRFA's, Faculty, Admissions, Staff, and Patrick the new food guy over for dinner.

**IHC Meetings** - 24:00 (midnight for the normal people) every Thursday in SAC 33. Come on by and get shitty with us.

**IHC account** - We inherited Audrey's Ath Man account from ASCIT and we'll just use that when checking out the van. Also Tanya will ask Biff about that thing where late charges for housing contracts go into our budget.

Adjourned around ~22:40.

Respectfully, Tanya Tickel

OCTOBER 15, 1998  
**I.H.C.  
MINUTES**

**Present:** All, Audrey Lee, Ronnie, Mark, Stona, Wedge, Erik and Autumn

**Our Guests:**

**Ronnie** - came for Jaideep's ass. Everyone else just here to watch, get shitty, and eat our food.

**Audrey** - Blacker adds Matt Tiscanero to ath List, Dabney adds Jim Krehl, Ricketts adds Sean Mauch, Lloyd adds the Atlanta Braves and Andy Laucius' left nut, and Fleming adds Paul Weilander.

**General Business**

**Alex** - We will have a meeting about Alex's memorial service with Sharon Slavin and

Kim West in early November.

**Core Curriculum** - The IHC was offered lunch to facilitate discussion about the current Core and other academic issues at Caltech. We'll find out when shortly.

**Meeting Time** - will be Midnight on Thursdays. Dr. West pointed out to Jaideep that the IHC doesn't seem to be as involved as it used to be with the administration. Our late meeting times were indicated as the reason for this reduction in involvement. The Presidents indicated that they would be more than happy to be involved with the administration over lunch at the Ath.

**Pranks** - People stole Fleming's toilet paper, and didn't leave a note. That's kind of lame, especially since the Flems didn't do anything this year. Also, there's TP in the trees in the Fleming Courtyard. Tanya swears all you have to do to get rid of toilet paper in the trees is put a match to it, but no one believes her, even though she's always right (unlike Jaideep).

Adjourned at ~1 am.

Respectfully, Tanya Tickel

OCTOBER 29, 1998  
**I.H.C.  
MINUTES**

**Present:** All minus Mike, Dave Tytell, Ryan Simovsky

**Our Guests:**

**Ryan** - Deanna Carrick is moved from Fleming Ath list to Dabney Ath list.

**Dave** - The Caltech Dining Service handbook is finished, and will be mailed out next week. The Dining Service Survey sheets are in a binder for people to look at, and Dave parsed the data into a thousand different pie charts. All of the information from the surveys, (specifically the important graphs) will be published in the Tech pretty soon. Patrick, the new head of CDS, is awesome,

# IHC/ASCIT

and will fix anything you ask him. CDS is aware that the food for dinner often runs out before Page and Fleming even start eating. They have increased orders, and Dave has asked them to have food ready at 5:45 instead of the current 5:20, in hopes that this will accordingly shift the time that all the food is consumed. The Convenience Store Surveys have also been parsed, and the data is readily available for those interested. (Talk to Dave.) 8-10 people are currently on the Kosher/Muslim board plan. Maybe the IHC can get a dinner with the Public Relations Committee. Dave will help us find out, since he's on the committee.

**General Business**

**Meetings** - have been changed to Thursdays, 10:30 pm, so that Mike can come again. Also, the IHC will try to have one meeting a month during the afternoon, so that members of the Administration can come. The IHC would especially like this if the members of the administration took the IHC out to lunch during this meeting.

**CDC** - The Career Development Center is alarmed by the small number of Seniors who are eligible for on-campus interviews. About half of the interviews on-campus happen in the month of November. The IHC will announce to their houses that Seniors must sign up for interviews NOW.

**Pranks** - An e-mail was sent to Kim West saying that \$750 in damage from a prank was done to the lecture hall in 201 E. Bridge. If you are going to commit a prank, be sure to accept responsibility for your actions. The staff of the Millikan Library is concerned for students who sneak onto the roof without permission. Jaideep is going to talk to them about this.

**Rotation** - A Rotation Survey will go out. Also, a meeting to discuss Rotation will be held on Sunday, Nov. 8 at 4:00 pm in Winnett Club Room 1. The meeting will be held in the style of a talk show. Jaideep will do a dance if more than 20 people show up.

**Tom Mannion** - Has invited

each of the student houses to a dinner with him over the next couple of weekends. The House Presidents will tell you when each house's dinner has been scheduled.

**Discobolus** - Ruddock lost in Softball to Fleming; Dabney challenged Fleming in Basketball.

**Alumni Association**

Waren Goda from the Alumni association wants to visit the undergraduate houses during dinner over the course of a week (two houses a night) and then wants to have a meeting with the IHC.

Respectfully, Tanya Tickel

Page's interhouse money for this term for the Page/Fleming Thanksgiving celebration. She is awed by the size and power of the BoD and mistakes Nick for Steve Craver.

**Big T** - A compensation plan could not be found. Mike digs out an old financial summary from the 96-97 Big T. Nick scratches out his suggestion of fair compensation. The two documents are remarkably similar. This will be voted upon at a quorum meeting.

**General Business**

**Survey** - Jaideep wants money to pay for copying and distributing a survey about Rotation.

**Alex** - There will be a memorial for Alex Rosefield on November 13th. Devi is pitching the idea of a tree in memory of Alex. Mike reiterates his firm support of the "black brick" idea.

**Officer Reports**

**Hanna** - There was some trouble with cleanup from the Halloween party (which, by the way, was rad).

**Jaideep** - There will be a meeting to discuss Rotation on Sunday at 4 PM. Jaideep is talking to the International Students Office about international student concerns. The Big T (not the yearbook) may yet to come to fruition. Jaideep is working out the legal details. He will be meeting with some people from the library system who are concerned about the safety of pranks on Millikan.

**Mike** - The ASCIT kiosk glows in the dark.

**Baldeep** - Put some work into the IT spec. Will be meeting with Mr. Mannion about the state of the SAC courtyard.

Meeting breaks up at 11:28.

Respectfully submitted,

Mike D. Astle  
ASCIT Secretary

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# Alcohol now excluded from Interhouse Athletic events

BY GERALD PALMROSE AND TIM RAUB

The athletic department has applied a new alcohol policy to Interhouse sporting events. The policy is a result of complaints made to the athletic department regarding Ricketts and Ruddock Houses, which brought alcoholic beverages to their first softball games. Baseball coach John D'Auria, who oversaw the Interhouse softball tournament, confronted Ricketts spectators about the incident, and they were not allowed to remain on the athletic department's fields while in possession of alcoholic beverages.

The ruling was based on the following excerpt from the online edition of the "Little T": (<http://www.ugcs.caltech.edu/~ihc/sports/sports.html>)

#### Sportsmanship:

*Students are expected to abide by standards of good sportsmanship while participating in Interhouse competition. Disruptive or otherwise inappropriate behavior will result in immediate disqualification of the offending student(s) (at the discretion of the sport moderator) and may result in further action against the offending student(s) e.g., suspension from one or more further Interhouse competitions) by majority vote of the non-involved Ath Managers, subject to approval by the IHC.*

## Caltech Cross Country places 6<sup>th</sup>, 7<sup>th</sup> in SCIAC

BY GERALD PALMROSE

Last Saturday, the Caltech Men's and Women's Cross Country Teams completed their final SCIAC race of the year, placing 6th and 7th respectively at the SCIAC Championship, held at Prado Park in Chino. Although Claremont-Mudd-Scripps ran away with the team titles, the Beavers had some outstanding individual placings. The men's team was led by Adrian Seymour (11th), Arjun Mendiratt (17th), and Conrad Ziesler (43rd) who all broke 30 minutes for the rolling 5-mile course. The Lady Beavers had strong races from Phyllis Chen (21st) and Amy Kelly (36th). Finishing in the middle of the pack but still having good finishes were freshmen Tim Raub (69th) and Kenny Higa (72nd). The women's scoring five was rounded out by Paula Whiten (63rd), Tory Sturgeon (73rd), and Aimee Pierce (76th).

Said Higa, "It was a diffi-

While this statement does not specifically address alcohol, the spirit and intent of it does. "The Athletic Department finds alcohol consumption during undergraduate intramural events that are organized and directly supervised by the department to be 'inappropriate behavior,'" said Wendell Jack, Interim Director of Athletics.

The Graduate Student Council uses the department athletic fields for sporting events as well and alcohol is frequently consumed at these events. However, the athletic department does not directly sponsor these events, so Jack's policy would not apply.

"Safety is also a major issue. The thought of alcohol being consumed by participants with bats and balls flying around, quite frankly, is very dangerous."

The inherent level of competition in the Interhouse Sports environment begs any rational sports professional - e.g., our coaches - to find absolutely no place for alcohol in, around and/or during Interhouse Sports events."

Ricketts House member Cynthia Gong notes: "I don't drink. I just want to get Scurves to come and play. I was really mad. They made it seem like it was all about alcohol, but only Scurves [over the age of 21] were allowed to drink beer. I don't see what's wrong about drinking responsibly when the GSC does it all the time."

cult race, but I think we had some pretty solid performances and we're hoping to do even better at Regionals." Finishing only 20 points behind Pomona-Pitzer and Occidental, strong races across the board could bring the men their highest postseason finish in recent history.

New coach Jasper Simon put the season in perspective, noting: "What we need to do here is establish some sort of continuity between seasons and from year to year. There's no reason, with the talent and motivation that Caltech runners have, that we can't make a serious bid for Conference next year."

The Regional Championship will be held on November 14th, where UC San Diego is the favorite to go on to Nationals. Caltech will compete against all seven conference teams as well as college teams making trips from Colorado, Oregon, and Washington.

## This Week's Sports Results

October 31 Cross Country at SCIAC  
Women place 7 of 8, Men place 6 of 8.

November 3 Men's Soccer v. Whittier won 2-1

November 4 Water Polo v. Occidental lost 6-16

## Soccer team Wins Again!

BY TIM RAUB

Beavers win! Beavers win! Caltech soccer proved that last week's overtime win wasn't a fluke by winning their second game of the season, and first postseason match in more than a decade. After losing to Occidental on Saturday in the opening contest of the Conference round robin tournament, the

Beavers stormed back against Whittier to defeat the Owls 2-1. Whittier's lone goal came as a result of a questionable referee's call, but Caltech had scored earlier on a similarly questionable whistle. Stefan Kazachki scored his third goal in Caltech's two recent wins, and goalkeeper Brian Frazier once more turned in a standout effort. Dale Parkes also scored, and the entire team

delivered a solid, consistent performance. "We really played to our potential," commented defenseman Dave Moll. "If we beat LaVerne on Saturday, we'll finish sixth in Conference." The Beaver's last game of the season will be this Saturday on the North Field at eleven o'clock. The team hopes to draw its largest crowd of the season to its most important game of the year.

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# Dean's Corner

*Boom Boom Pow Pow and the WBC*

by Jean-Paul Revel

I felt overburdened and tired a couple of weeks ago, so I jumped at my wife's suggestion that we watch a movie at home. \* said the blurb in the TV guide, \* and famous actors too. It sounded just like the thing to break the black mood I had worked myself into. I should have noticed that something was wrong even before the title of the movie was displayed on the screen. Two cops, weapons drawn, were sleuthing down a dark hallway and entering a bedroom where two people lay asleep ... it was a tip off that I should have reacted to, but I did not. I never did figure out what the people in the bed (who I think were the source of the red carpet stains to which the camera turned) had to do with the rest of the movie. There must be some sense to this story, some exciting secret that would explain what was really happening. Or would it be one of those mysteries where the sleuth figures out the answer on the basis of clues never provided the watcher (reader)?

"Too scary," said my wife, "I won't watch it, good night." It was the story of an internal police investigator who: pow pow boom boom, pow pow screech one more dead and a jealous wife and pow boom pow pow sex drinks and prostitutes fist fights more shooting ... well, you get the picture.

By the end of the movie most of the principals were dead. Those that were not dead were wounded in body or in mind and no one was the wiser. I was mad at myself for having wasted my time watching this three star horror show. I thought surely the world is not like that; but then maybe it is and I have on side blinders which let me see only what I want to believe...

Could it really be so? Could I be blind and deaf to the extent of brutality in our times? Do the kinds of things I read about in the news really happen here, not just elsewhere? Are people dragged to their death behind moving vehicles here as they are in Somalia? Are explosives thrown into crowds of innocent bystanders here as well as in the Middle East?

What is different here is that people rarely blow themselves up

along with their victims. They just plot away for months or act rashly, and blow up a building or let off steam along with nails at the Olympics (although we still don't know for sure who did that or why). Not that blowing yourself up along with your victims makes it all right to do.

However much I wish it not to be so, new horrors keep on coming to light, like mass graves in the Balkans, some even fostered not by madmen or lunatics (sorry if I offend anyone) but by beloved leaders of the Nation, such as JFK and Ron Reagan. In my more romantic days, I thought that only our political opponents were capable of such deeds. I did not even want to hear about our misdeeds. Oh, all right, we have to play the international intrigue game like everyone else, openly bombing Moammar Kadafi and secretly plotting against Fidel Castro. Not that I necessarily like these guys, but that is a different story.

I guess I am a naïve American, even if an adoptive one. We are a God fearing nation, wishing our astronauts Godspeed, repeating our trust on our coins, endlessly arguing about prayer in school (my prayer of course, not yours) and listening to presiden-

tial speeches which end with wishing on us the blessings of Heaven.

This is a country where we value human life, yet there are those who feel that it is O.K. to shoot physicians and coworkers with whom they disagree. And here I thought that posse and lynching mobs were things of the past, and that we had replaced coarse frontier justice by the reign of Law. How can we deplore brutality elsewhere, the trampling of human rights in other countries about which we understand little and yet condone the kinds of things that happen here? The poverty in the midst of this richest country in the world, the bigotry in this most free country on the planet, the cruelty of not having medical help for all, in this country of the most advanced medicine?

And is it high entertainment, not an immoral callous money grubbing undertaking to show our kids continual brutality on TV, in movies, cartoons and this way teach them that 'pow, pow, pow, killing, savatting' (I mean Kung Fu) is the way to solve problems?

And how can a Church, presumably dedicated to the worship of peace and love, picket funerals, spreading its version of the Gospel, (God hates Fags, Rom.9:13). (I checked; it says "God hates Esau", which I understand means, "did not choose Esau"; perhaps you understand.) I have always had trouble with the idea that the god of love could

hate or order anyone to smite anyone else. After all, aren't all of us supposed to be his creatures?

So I find it abhorrent enough to see such hatred among the worldlies, but for a Church, the Westboro Baptist Church and its Pastor to have the bad taste, no, the cruelty and insensitivity to demonstrate at the funeral of Matt Shepard is mind boggling. Everyone is allowed their private opinions but this young man was left to die on a wooden fence (cross?) after a beating by two other young men who, I guess, felt threatened or insulted by the fact that he was gay. Do you understand? I don't.

It behooves us here in this center of thought, seekers after the deeper truth, searchers after the understanding of nature's deepest secrets, explorers of ways to heal better, allow one to live better, to reflect also on how to do better, to make sure that we do not let narrow views of the world constrain our understanding and warmth towards other human beings just because they are different. Women vs. Men, Blacks vs. White, Gay vs. Straights or Muslims vs. Jews, and vice versa, etcetera. As the French are claimed to have said (although I doubt it) *Vive la Difference.*

A bientot.

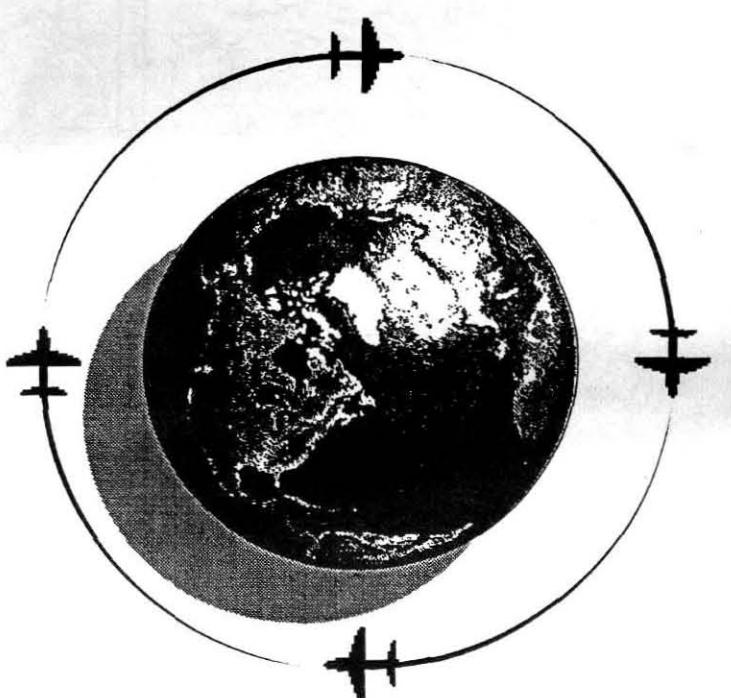
*Jean Paul Revel*

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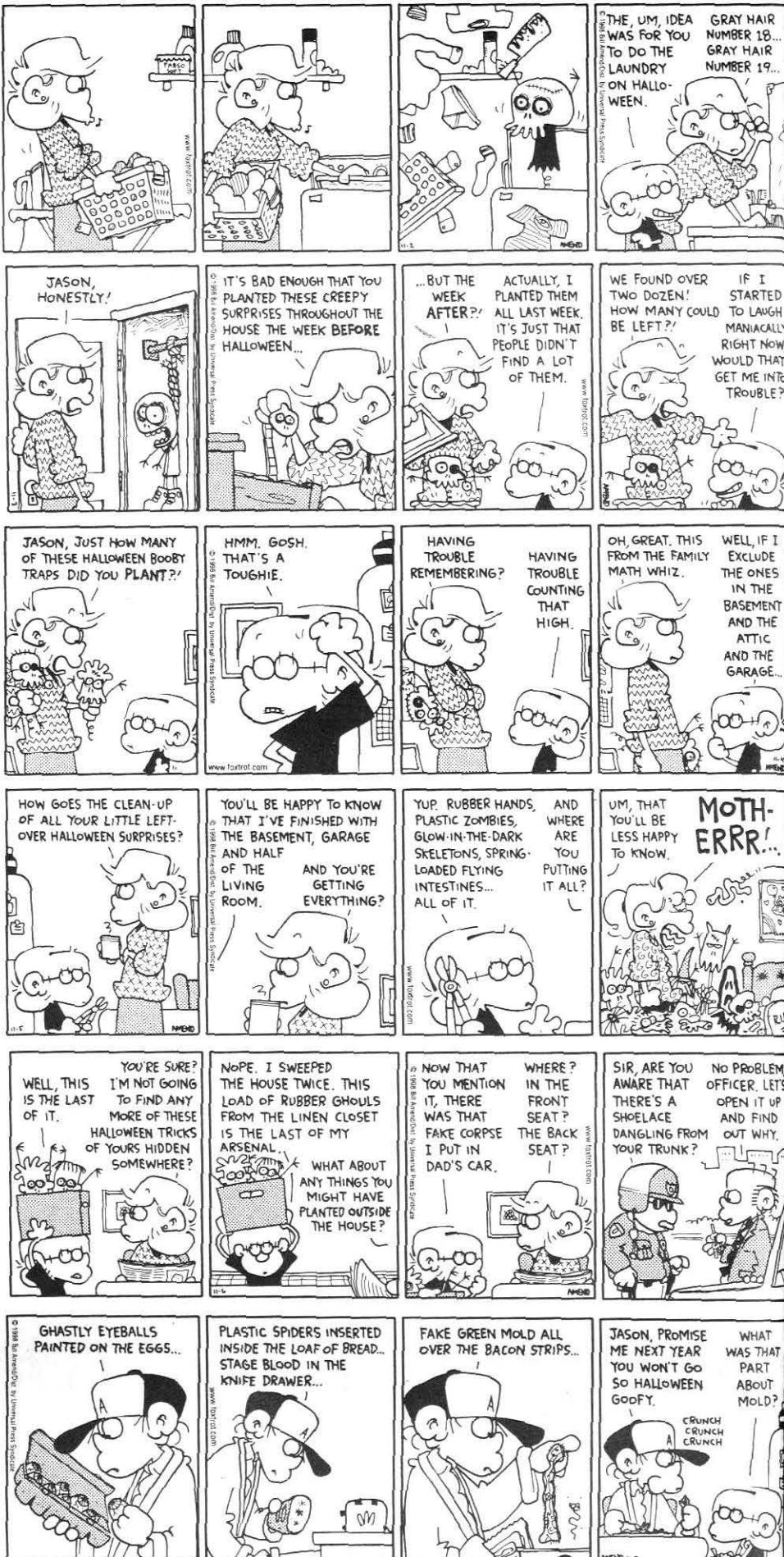
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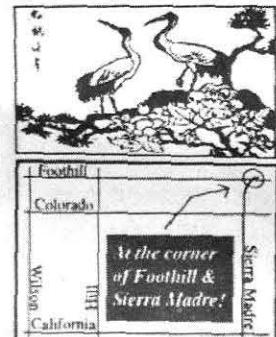


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## innerspace

by Jason Meltzer

### "Love Ain't Nothing But Sex Misspelled"

I was not planning on writing this column, or some incarnation of it, for quite a while, but a number of things in a past issue of the Tech prompted me to do so (recall that I need to write my columns almost a week before the Tech is published, so this isn't such old news for me). The title, by the way, comes from a short story collection by Harlan Ellison, a writer whom I strongly recommend (that particular collection isn't his best, but this isn't a book review).

The "Dean's Corner" two weeks ago discussed cybersex and glomming. Just how he made the connection between the two, I don't quite understand, but my concern is with the latter. Merriam-Webster's online dictionary states that the verb "to glom" is "to grab hold of" or "appropriate to oneself" with synonyms "take, steal, seize, or catch." Unfortunately, this is in

opposition to the definition cited from Webster's Unabridged in the Dean's column ("to look at, to watch"), so we do not really have a standard definition of the word to work with. I will, however, assume its meaning to be the colloquial one that is used here at Caltech: A sexist ploy by women to keep control over their men. No, that's not what I meant! I take it back. How about this: the unsolicited attention by men towards women. It should be stated more strongly in some sense, though, as it is usually meant to indicate aggressive or excessive attention. Kind of like the attention the Boa Constrictor gives toward its still-living meal as it devours it whole.

With definitional issues resolved, this problem of glomming at Caltech can be properly discussed. Some people, apparently, are very concerned about it. There is, sup-

posedly, a "guide to glomming" (a how-to, perhaps?) that is in the works (a publication I can't wait to see, as it will probably make for some good material for this column). Whether it will be as definitive as the Dean claimed in his last column, I highly doubt; but nevertheless, it will exist, and maybe make for an entertaining read!

The problem of glomming, as I understand it, has many facets; it is also strongly intertwined with another problem that seems to trouble people at Caltech: the male/female ratio. There is the male perspective, which is basically that there simply are not enough undergraduate women at Caltech! This obviously puts a great deal of strain on the dating situation. The female perspective I can only try to understand through what has been related to me by friends.

One very logical version is that it is hard for undergraduate women at Caltech to remain single, as they want to be in relationships and are very often presented with the opportunity to enter into one. The ending of a relationship brings to mind scenes from "Shark Week" on the Discovery Channel, when a bloody piece of meat thrown in the water precipitates a feeding frenzy.

Women are quickly re-opened to the attentions of men,

and it does not look good for one to be continually moving between relationships. To the perspective of men at this point: when a woman becomes "available," interested men often feel that they have little time to act, thanks to the ratio, and this leads to glomming.

Another feminine perspective that I find harder to understand is that glomming is simply annoying — that the attention is unwanted and deleterious. Having men watch you in your room from Hyperspace, however, could lend support to this argument. Regardless, as I see it, the phenomenon involves love to a large extent (true, most glommers may only be interested in sex, but I do not think that all men are interested only in sex, or at least I hope not).

What we call glomming is certainly a form of positive attention, and I find it hard to believe that anyone could dislike such attention. One individual showing affection toward another hardly seems to warrant having such a vulgar term as "glomming" applied to it. I understand how a constant stream of suitors could become trying, but I do not think the problem is all that bad.

And can it be as bad as the problems that the issue brings forth for men: unrequited love and loneliness? I find it appall-

ing that when these issues are discussed two important facts are often omitted: men have feelings, too, and love ain't nothing but sex misspelled. The double negative is important in that sentence, for those of you with slow wits or poor grammar skills! Men are not interested only in sex, but love, as well, and when one's love is unreturned, it hurts. I offer this not as an excuse for glomming, but simply another part of the problem.

By the strictest definitions, I suppose I could be considered having been guilty of glomming once, too. There was a woman here towards whom I expressed particularly strong feelings, but they were not reciprocated. I apologized for any uncomfortability I may have caused her to experience, but I am certainly not sorry for expressing such feelings. Was that glomming? I don't think so. Had I persisted further, it certainly would have been called glomming, but it also could have been called stalking! We remain friends because I did not persist.

I think the essence of the Dean's column, and the ultimate point of this one, is that you cannot force someone to love you, and you should not try to. Is that the essence of the problem of glomming? I don't know. I guess I'll just have to wait for the "definitive guide" to enlighten me.

## Fo~~o~~o With Fo~~o~~o

First off, I wanted to explain the errors regarding wrap day in my last article. As it turns out, Caltech Dining Services had three chefs call in sick this week, thus causing a delay in the cycle. Don't worry, it's coming to the North Kitchens next week.

Second, I wanted to bring up an important issue. Many students have complained recently about food shortages and other problems such as lack of syrup in the soda/drink machines. I assure you that this is not a real issue. These problems can be solved easily and quickly by simply asking anyone in the kitchen to solve it. Food is NEVER in short supply, it is just difficult for CDS employees to know exactly when any given item runs out. They will be happy to refill any item if you let them know it is necessary to do so. Open communication between staff and students will solve most of the complaints made about Caltech Dining Services, especially this one! To make these lines of communication easier, the Dining Service Handbook contains biographical sketches of all the people in CDS to whom you can turn to for questions or comments. Please read the biographies and get to know the chef in your kitchen.

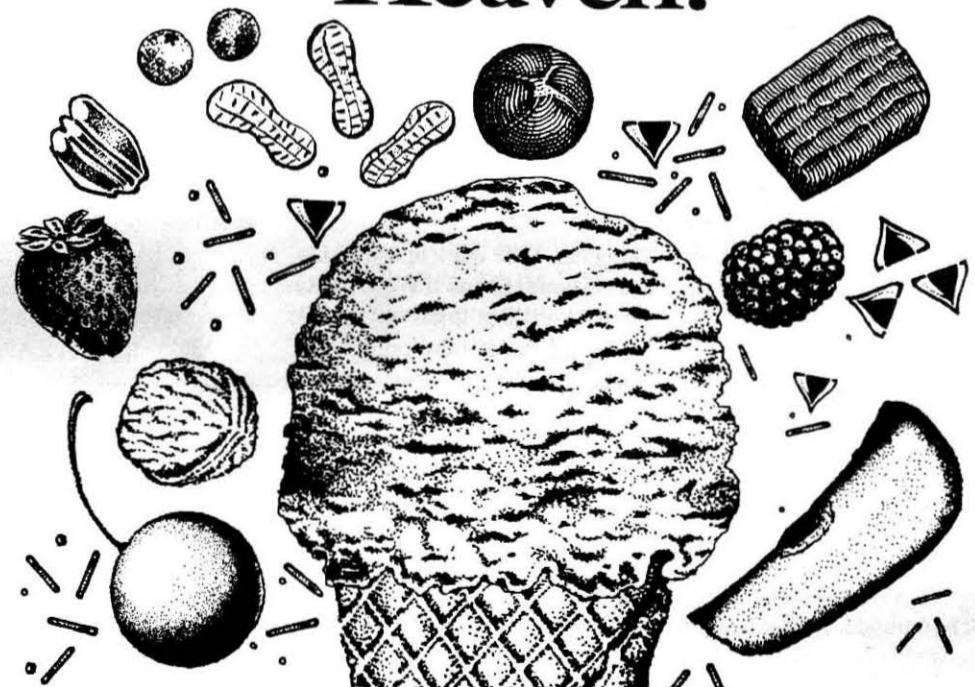
Which brings me to my third issue. I feel it is necessary to stress the importance of the Dining Service Handbook you received in the mail this week. This handbook contains the rules and regulations regarding your board plan and all students on board are responsible for the information it contains. Furthermore, if you have any questions concerning the handbook, please contact myself, your food rep, Patrick, or Andre.

In the next few weeks I will be highlighting important issues brought out in the handbook. Stay tuned, hopefully all of your questions will be answered here.

Until next time,

Dave Tytell

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# Mints

## Announcements

On Friday November 13, 1998, there will be a memorial in honor of **Alex Rosefield** who was killed last September, on his way back to Caltech as a Sophomore. I will be an opportunity for remembering him and share the sorrow with his friends and family. The ceremony will take place at 4:00 p.m. on the grass mound at the South end of Winnett and will conclude with refreshments which would have pleased Alex.

The **Career Development Center (CDC)** is looking for current graduating seniors to participate in focus groups to assess student career-related needs. Whether you've decided to go to grad school, get a job, don't know yet, or haven't even started thinking about it, the CDC would like to hear from you. Each focus group will last approximately 2 hours (refreshments will be served) and participants will receive gift certificates. Debi Tuttle, a Caltech alum and intern in the CDC, will conduct the focus groups. If you are interested in voicing your opinion and making a difference, please email Debi at [debit@caltech.edu](mailto:debit@caltech.edu) or call the CDC at x6261.

The Literature Faculty is pleased to announce the **53rd Annual McKinney Competition**. The Mary A. Earl McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergraduates are eligible to enter the competition. This year, prizes will be given in three categories: poetry, prose fiction, and non-fiction essays. All submissions must be typewritten and double-spaced. Include your address and phone number. In the poetry category, entrants may submit up to three poems. Submissions of prose fiction should not exceed 12,000 words. Essays may be ones prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prize in each category will be \$300. Each student is entitled to only one entry in each category.

Contestants should submit their work to Professor Jenijoy La Belle, Division of the Humanities and Social Sciences, 101-40, by no later than April 2, 1999. Sorry, no entries will be returned. Each category will be judged by a committee from the Literature Faculty. Essays will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced in May, and the names of the winners will appear in the commencement program. The Committee may divide the award in each category in case of more than one outstanding submission. Previous winners in any one category are not eligible for the competition in that category. If you have any questions, contact Prof. La Belle, extension 3605, or Barbara Estrada, x3609.

**GREEN CARD LOTTERY BEGINS IN OCTOBER!** The instructions for the 2000 Diversity Immigrant Visa Lottery have been announced. The dates for this lottery are October 1 through October 31,

1999. Nationals of China (mainland and Taiwan, except Hong Kong S.A.R.), India, the Philippines, South Korea, Vietnam, United Kingdom (except Northern Ireland) and its dependent territories, Poland, Colombia, Dominican Republic, El Salvador, Haiti, Jamaica, Mexico and Canada are not eligible for the program.

To pick up a copy of the procedures on how to apply for this Lottery, please stop by the International Students Programs office (Lloyd House, Olive Walk) if you are an international student, or the Faculty and Postdoctoral Scholars Office (Parsons-Gates 010) if you are an international postdoc, professor, researcher, or staff member.

**Low-cost and free mammograms and Pap tests** will be available at hundreds of approved facilities throughout the months of October and November. These facilities are listed in the free *Breast and Cervical Cancer Health Services Directory*. An English and Spanish directory is available by calling 1-800-706-3131 or visiting an American Cancer Society Office.

## Events

**Caltech A Cappella** Get over being unlucky! Come hear an a cappella concert by Caltech's TrebleMakers and Echphonema on Friday, November 13, 9:00 pm at Winnett Lounge. Free admission and refreshments -- you're lucky already. Contact Rachel Steinberger, [treble@its.caltech.edu](mailto:treble@its.caltech.edu)

**The second Science, Ethics, and Public Policy Seminar** of the fall series will be on Friday November 6 at 4:00 pm in Baxter room 25. For more information, contact Marion L. Lawrence at [marion@its](mailto:marion@its).

**The 1998-1999 Metropolitan Opera National Council Western Regional Auditions** finals will be held at Bovard Auditorium on the USC campus on Saturday November 7, 1998 at 7:00 p.m. Tickets are \$25 each and may be ordered by calling the USC Cultural Events Ticket Office at 213-740-7111.

**The Toyrific Antique & Collectible Toy Show** will be held Sunday November 15, 1998 from 9:00 am to 4:00 pm at the Pasadena Center, 300 East Green Street. There will be over 150 vendor tables with toys and collectibles, including Star Wars, Star Trek, Transformers, and G.I. Joe. Admission for early buyers is \$10.00, general admission is \$5.00. Over 150 vendors will be present. For more information, call 909-880-8558.

**The Nutcracker** will be presented by the new Pasadena Civic Auditorium Foundation at the Pasadena Civic Auditorium, 300 E. Green St., on December 22-27. The times are as follows: 12/22: 7:30 pm; 12/23 2 pm & 7:30 pm; 12/24: 11 am; 12/26: 2 pm & 7:30 pm; 12/27: 2 pm & 7:30 pm. Tickets are \$21 - \$56. To order by phone call Ticketmaster at 213-480-3232. For additional information call the Civic Box Office

at 626-449-7360.

**"Crossing Borders: Ancient Egypt, Canaan and Israel,"** a public archeological symposium will take place on Saturday November 7, 1998 from 8:30 a.m. to 5:00 p.m. at the Skirball Cultural Center. Eight archeologists and scholars will entertain questions and share discoveries. Tickets are \$80 and \$40 with a student ID. For reservations, call 323-660-8587.

**The Distinguished Speaker Series** continues with Governor Mario Cuomo on Monday, 16, 1998 at 8:00 p.m. at the Pasadena Civic Auditorium. For information, call the Pasadena Civic Box Office at 626-449-7360.

**The Toy Train Operating Society** will be holding an open house at the Exhibition Building of the Pasadena Center, Sunday, November 15, 1998 from 10:00 a.m. to 2:00 p.m. General admission is \$5.00. Featured will be hundreds of tables filled with model trains from throughout the century. For more information, call 818-888-0603.

## Fellowships and Scholarships

### \*NSEP Scholarships for 1999-2000\*

Applications for National Security Education Program (NSEP) undergraduate scholarships are currently available for study abroad in summer 1999, fall 1999, and spring 2000. Scholarships are available to U.S. citizens enrolled at two- and four-year institutions who wish to study abroad in critical world areas in Africa, Asia, Eastern and Central Europe, Latin and South America, and the Middle East. Scholarships are not available for study in Western Europe, Canada, Australia, and New Zealand. Sophomores and Juniors majoring in science and engineering may apply to study for a summer. This summer, Walt Ogburn'99 studied Russian language in culture in St. Petersburg under an NSEP Fellowship. During the summer of 1998, Jeanne Wilson '98, who is now on a Watson Fellowship, studied Turkish language and culture in Istanbul.

The maximum scholarship is \$8,000 per semester and \$16,000 per academic year. **The campus application deadline for the 1999-2000 academic year is January 25,**

1999. Turn all materials into the Fellowships Advising Office, Room 25 of the SAC. All applicants must undergo an endorsement interview with Lauren Stolper, Director of Fellowships Advising Applications will be available in Fellowships Advising by mid-October. Additional information on preferred geographic regions, languages, and fields of study and application procedures can be found at <http://www.iie.org/nsep> (FAR)

**NSF.** Applications for the NSF are available in Fellowships Advising or on the Web at <http://www.fastlane.nsf.gov>. Click on the GRFP icon. The application submission deadline is November 5. U.S. citizenship or permanent residency required. (FAR)

**The American Society of Naval Engineers** is offering scholarship awards of \$2,500 for undergraduate students and \$3,500 for graduate students for the 1998-99 academic year. Applicants must be U.S. Citizens and demonstrate a genuine interest in a career in naval engineering. The scholarship award must be for support of the last year of full-time or co-op undergraduate program or for one year of full-time graduate study leading to a designated degree at an accredited college or university. Applications are available in the Financial Aid Office. The deadline is February 15, 1999.

**The Southern California Chapter of Women in Cable & Telecommunications** is offering a \$1,000 Jeanne Cardinal Grant to one female junior or senior student residing in Southern California. Applicants must plan to pursue a career in the telecommunications field, have a 3.0 or higher GPA, and be active in at least one school approved campus organization or in community service. Applications are available in the Financial Aid Office. Applications are to be completed and sent to: The Southern California Chapter of Women in Cable & Telecommunications, c/o Pamela Drake, Avenue TV Cable Service, Inc., PO Box 1458, Ventura, California, 93002. The deadline is December 31, 1998. (UFA)

**The Elie Wiesel Foundation for Humanity** sponsors an annual essay contest for full-time undergraduate juniors and seniors in colleges and universities throughout the United States. Essays must be submitted on behalf of a student by a college or university administrator, faculty advisor, or faculty member, and be accompanied by a completed entry form. No more than three (3) essays may be submitted from the same college, university, or campus

in any one contest year. To obtain an entry form and further information, send a self-addressed, stamped envelope to: The Elie Wiesel Prize in Ethics, The Elie Wiesel Foundation for Humanity, 450 Lexington Avenue, Suite #1920, New York, NY 10017. No FAX submissions will be accepted. Entries must be postmarked by January 22, 1999, or be delivered to the Foundation office by 5:00 p.m., January 22, 1999. (UFA)

**The American Electroplaters and Surface Finishers Society (AESF)** is offering scholarships to upper-class undergraduate and graduate students for the 1999-2000 academic year who are interested in careers in the electroplating and surface finishing field. Undergraduates must be full-time and majoring in chemistry, chemical engineering, environmental engineering, materials science, materials engineering, metallurgy, or metallurgical engineering. To obtain an application form and further information, send a self-addressed, stamped envelope to: AESF Scholarship Committee, American Electroplaters and Surface Finishers Society, 12644 Research Parkway, Orlando, FL 32826-3298. The deadline is April 15, 1999.

**The Caltech Financial Aid Office** is proud to introduce a new link on our website called the Financial Aid News. This site is designed to provide students with updated information about scholarship opportunities at Caltech. Our office will post these scholarship opportunities on a weekly basis. You can view the web site at [www.finaid.caltech.edu/news.html](http://www.finaid.caltech.edu/news.html). (UFA)

For information on the listed fellowships, assistance with essays, for clarification of questions, contact:

**FAR - The Fellowships Advising and Resources Office.**  
For information, please contact [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu). To make an appointment, call x2150.

**UFA - The Undergraduate Financial Aid Office.**  
For information, call x6280, or stop by 515 S. Wilson for an appointment.

To submit an event for the Mints, contact [mints@tech.caltech.edu](mailto:mints@tech.caltech.edu) or Mail Code 040-058 by noon on the Monday prior to its inclusion. Submissions must be brief and concise. Please do not send Mints in difficult formats like binhex or word document, .rtf and ASCII are best. The editors reserve the right to edit and abridge all material. Solicitations will be referred to the business manager.

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