Vote in the Runoff Election The posts of Director for Academic Affairs, Treasurer, and Freshman Director-At-Large have gone to a runoff. The election is today, vote early, vote often, vote for the women.

# THE ALIFORNIA TECH

There will be a wake for Bengt Magnusson on Friday, February 15 at 9 PM in the Ricketts courtyard and lounge.

Volume XCII, Number 16

Pasadena. California

February 15, 1991

## Price Increases

by Emily Wen

What does the word "Coffeehouse" remind you of? Plates full of fries, heaps of comic books, solid shakes, . . . The Coffeehouse has become the favorite hangout place for a lot of people. However, the heavy business does not bring financial security to the small food place. In the current fiscal year only (from Oct 1st to Jan 1st), the Coffeehouse has lost over \$10,000.

During a recent interview with the Coffeehouse's head managers, Dave Jeitner and Hoyt Hudson, they point out that if the problem is not resolved soon, the administration may force the Coffeehouse to close down.

The deficit results from several factors. In the past, the price has been based mainly on raw materials. Take shakes as an example. The current price is based on the ice-cream and the cup, but it does not take labor accurately into account nor the depreciation of the shake machine. (The shake machine costs \$600 and lasts only for a year while labor comes out to about \$1 per shake.)

In the past week, Hudson and Jeitner have spent many hours to account for the missing money. The price of fries is \$1.00 now. Yet, do you know that just the potatoes, ketchup and oil cost \$1.08, and including labor and overhead, it may cost up to \$2.25. (Consider that a so-called "large"

serving of fries in McDonalds costs over \$1.00 with tax.)

Another expensive item found is an order of cheese sticks. It is currently priced at \$2.50, but its raw material cost alone is \$3.67, and with labor, the Coffeehouse should charge \$6.00 instead.

The Coffeehouse is one of the few places on campus that hire students who are not on work study. There are currently around 45 people working in the Coffeehouse, and only five of them are on work study. Although the labor cost is higher as a result, it provides extra revenue for some starving undergraduates.

Besides labor and food costs, the comic books also create a burden. Between the years of '86 to '90, only \$1200 per year is set aside for buying comic books, and the amount has not been changed since. Dave estimates that comic books cost around \$2000 currently. The cable television system also costs several hundred dollars to subscribe to each year.

The price is going to go up in the Coffeehouse next Monday. However, at the same time, Hoyt promises "an undying commitment to quality." If the Coffeehouse is operated by an outside party, the price will go even higher. "Don't come down to complain about the prices. People should understand the situation that the employees are in," says Dave.



Finding a partner (a favorite form of relief for post-midterm blues) may sometimes require the direct approach. "I have no idea who you are. I'm from Tech. Marry me please!"

## **Education Debate Enlightening**

by Golda Bernstein

Well, we had our educational debate. Although we invited only three debators, we wound up with a lot more. The room reminded me of a Jewish dinner party: the opinions outnumbered the people. everyone had at least two. But it wasn't just opinion. Most of the audience had a personal stake in the public schools - parents, veteran teachers, organizers of current programs.

One teacher, who had seen kids and parents get tromped on by the system year after year, begged for more choice; she said that many parents, particularly low-income families, feel they have no impact on the schools, that they cannot even remove their kid from a lousy teacher.

After a while they can't stand it anymore, so they turn away and try not to even notice what is going on. Likewise the kids block out everything they can from a system that doesn't make sense to them. This is called lack of motivation & family support.

The anti-choice debator, Nina Greenburg from the United Teachers Union of L.A., was also a public school teacher. She agreed

with the problems, but not the solution. She promoted the concept of school-based management, where a community, together with the teachers and students, decides how to run their school.

At present, centralized administrators hand down decisions from on high, declaring at once how hundreds of schools are to be run. Actually, Greenburg did not totally oppose choice - but she did vehemently oppose any voucher system that would give government money to private schools and take it away from public ones.

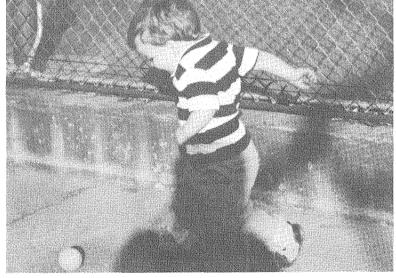
The official pro-choice debator (Manny Klausner) argued not so much about details but about principle: free market competition is the most efficient way to distribute a good, whether bananas or math classes. Opponents expressed reservations about the failings of free markets: S&L corruption was mentioned more that once.

Whether an efficient, fair, corruption-free educational market could be developed is still an open question. A bill is pending in the legislature giving some tax credits for parents who want to enroll their kids in private schools; but we didn't get to hear enough details on how this option would be made available to the poor, or how transportation would be dealt with, or how school administration would be changed to allow schools to be independent entities.

In the middle we had an academic type (Tom Timar), who supported choice in principle, but for the purpose of diversity, of increasing the options available to students parents. Despite supporting choice, Timar warned that viewing choice "as a magic bullet that would fix what ails American education is an oversimplification." In fact, he was quoted as saying such on page A-3 of the Pasadena Star-News...for those of you who missed the Friday issue of that fine

Not many undergrads came the audience was mostly community and grads. So y'all missed an opportunity to see the brand new Beckman Auditorium & eat oreos...better luck next time!

P.S. It's not too late...you can still volunteer to do your part in improving education. Sign up at the Y (or call x6163) to be a tutor or to work with motivated high school science students. It's hard to get started, but once you try it you'll be hooked - ask anyone.



A young boy is enthralled with the wild excitement of the Caltech women's tennis team.

## TACIT Musical Forthcoming

at Caltech) production will present "Working" based on the books by Studs Terkel, and adapted by Stephen Schwartz and Nina Faso; songs by Craig Carnella, Micki Grant, Mary Rodgers and Susan Birkenhead; and dance music by Michele Brourman. The original production, directed by Stephen Schwartz, was first staged in 1977 and aired on KCET (PBS) in 1982. "Working" follows several people through the activity of a typical

TACIT, in its twentieth year, is under the direction of Shirley Marneus, Director of Theatre Arts, who received the 1989 Gold Crows

As part of Caltech's centennial Award for Performing Arts from her work with Caltech students introducing them to theatre production – "a unique body of work and a significant contribution to the cultural community.

As poignant and uplifting as "Les Miserables", "Working" offers you a glimpse into the lives and jobs of those around you. It may even give you a new appreciation and pride in your own hob.

"Somebody built the pyramids. The pyramids, the Empire State Building, these things don't just happen..." The seven wonders of the world were all built by man. Man himself is perhaps his greates achievement.

Come celebrate Caltech's cencelebration. TACIT (Theatre Arts the Pasadena Fine Arts Council for tennial and come celebrate your own uniqueness. "Marvelous thing to see - scientists, faculty, and students on stage..." Dr. Al Hibbs, the voice of Voyager.

> Tickets are now on sale through Ticketron and at the Caltech ticket office. For information call (818) 356-4652 or (800) 423-8849. Performance dates and times are: Friday Feb. 22 and March 1 and Saturday Feb. 23 and March 2 at 8 PM and Sunday, Feb. 24 and March 3 at 2 PM. Tickets are \$10 for general admission, \$9 for fulltime students and Caltech/JPL staff, and \$7 for Caltech students. Group rates are available.

#### CRIME AND INCIDENT BEAT

- 2/5 An employee of the Athenaeum Accounting Office attempted to open the safe under her desk, and discovered that someone had attempted to pry the safe open. There was no evidence of forced entry into the office.
- 2/6 From 219 Beckman Institute a Hewlett-Packard 11-C calculator was taken. The room is usually locked, but there was no evidence of forced entry.
- 2/8 A chemical spill occurred Friday night in Steele Lab, and the Pasadena police, fire department, and paramedics came to the scene. One person was transported to the hospital with chemical burns.
- 2/8 A pot containing an aloevera plant, on the front porch of the Theatre Arts house at 300 South Holliston was removed.
- 2/11 Arms Lab was broken into Monday night, and a computer, monitor, and printer were taken from room 158, the division office. The Pasadena Police conducted an investigation.
- 2/12 A spare tire, located under the bed of a student's pick up truck that is usually parked in the Holliston lot, was removed. Total value damaged, missing or stolen: \$4,200

## Late Happy Valentine's

## MIT - Caltech **Beaver Bowl**

page 12

Jim's Journal page 2,4

page 5

## letter

### Coffeehouse Managers Explain Increase

To the Caltech community:

O.K., so you've probably heard the rumors, or maybe even read an article about the impending price increase at the Coffeehouse. Before you decide to come down and firebomb Hoyt on Monday night, though, read on to find out our side of the issue.

For over three years now, the current incarnation of the Coffeehouse has been offering its patrons good food at reasonable (perhaps too reasonable) prices in a relaxing social atmosphere. The Coffeehouse has and (hopefully) always will be run by your classmates, your peers, your friends - not by scheming businessmen out to make a profit at your expense. Though we have always aimed at the breakeven point (no profit), we consistently fall short of this goal due to high product costs, low prices, and relatively high overhead.

In the past, Student Affairs simply absorbed the deficit, which has been upwards of \$35,000 each year. However, recently it was made clear to us that this "subsidization" will not continue, and that if we continue to lose money we will be forced to close.

Having been given a few months in which to redeem ourselves before Student Affairs or face utter annihilation, we have initiated several major changes, among which are more realistic prices, standardized portion control, and stringent waste management. This streamlining of our operation, combined with your continued patronage, will hopefully put us back in black by third term. Certainly we don't expect you to be happy that your burger and shake cost a little more, only to understand that it's economic survival on our part, not price gouging.

In the meantime, we've begun a search for less-expensive-butjust-as-tasty ingredients for some of our food products in the hopes of reducing our operating costs. In any case, please bear with us in these trying times ahead, and keep stopping by for that strawberry banana peanut butter almond hot fudge milkshake.

-Hoyt Hudson Dave Jeitner Coffeehouse Head Managers

On the weekend of March 8-10, the Caltech chapter of Students for the Exploration and Development of Space (SEDS), along with other California SEDS chapters, will be hosting the CalSEDS 1991 conference. The conference will be held at Caltech and the Pasadena Holdiay Inn.

Mr. Mark Albrecht, Executive Secretary of the National Space Council will deliver the keynote address on Friday at 8 PM in Ramo Auditorium. The keynote address is cosponsered by the Planetary Society.

Other confirmed speakers are: Dr. David Webb, President, Inter-

SEDS Conference national Hypersonics Institute; Donald K. Slayton, former astronaut and President, Space services Inc; Dr. Lou Friedman, Executive Director, the Planetary Society; Robert Staehle, President, World Space Foundation; Mr. Todd Hawley, CEO, International Space University; and many other leaders in the space community.

Registration is \$5 for SEDS student members, \$10 for students, and \$25 for the Caltech/JPL community. The entire Caltech community is invited to attend. For more information write to SEDS, 112-58 SAC, Caltech, Pasad, CA 91125, or call John Wright (818) 351-9858 or Philip Rosenthal, (818) 577-4664.

## **Bradbury Speaking At Tech**

S.P.E.C.T.R.E., the Caltech Science Fiction Club, with gracious funding from the Caltech Y and the GSC, has arranged for a major centennial event: a speech by one of the Giants of the science fiction genre, Ray Bradbury.

Since his first published story in 1941, Ray Bradbury has worked along with Asimov, Clark, and Heinlein to transform SF from its pulp beginnings to the major force in the media it is today. In addition to bestselling books such as "Dandelion Wine" and "I Sing the Body Electric," many of his works have been adapted to television and movies including "The Martian Chronicles", "Fahrenheit 451", and "Something Wicked This Way Comes.

Recently he has been working on his cable series "Ray Bradbury Theater" and has been active locally with the Pasadena Playhouse production of his play "The Wonderful Ice-Cream Suit."

You will be able to hear Mr.

## Ask The Administration

If you have a question you would like us to ask a member of the Caltech community, please send it to the Tech, 40-58.

#### Question

Dr. Everhart, Murph Day is the traditional holiday during Caltech's second term. Why doesn't Caltech celebrate a national holiday such as Martin Luther King Day or President's Day instead?

#### Answer

I have been told when I asked this same question that the students prefer to have a holiday (first time I've heard it called Murph Day) that did not coincide with a national holiday to avoid crowds that are traditional when everyone else is off. I saw no reason to change a tradition I believe the students and others supported.

-Thomas Everhart Caltech President

by Jim

Bradbury speak on his work in science fiction and fantasy with his talk "Beyond 2001" on February 27th, 5-7pm in Baxter Lecture Hall. He will also be returning to campus for the Eureka S.U.R.F. conference in late March.

No, this isn't the Crime and Incident Beat, but we are reporting something. Our huge and awesome banner that was happily hanging, got stolen!! Now come on, this is a Caltech Centennial banner and I know you're all sick of it, but we want it BACK.

So, what else is happening this week? The Friendship of Overseas College and University Students is inviting all international students to a party on Saturday, February 16 from 6 pm to 9:30 pm. Get the full information and maps at the Y. Or, if you're into art, you could go see the African-American art exhibit in Dabney Lounge, Friday and Saturday from 11 am to 6 pm.

Go to the LA Philharmonic, Saturday at 8 pm with cheap tickets from the Y. And especially for you environmentalists - the community meeting on the war will happen from noon til 1:30 pm in Baxter Lecture Hall, Friday the 22nd. We will be discussing the environmental impact of the war.

Lovesick? Heartbroken? Valentine season got you down? Stop by at the Friendship and Dating Seminar this Wednesday, Feb 20, 8-9:30 pm in Winnett Lounge.

Volume XCII • Number 16

February 15, 1991

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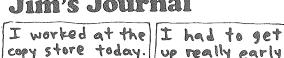
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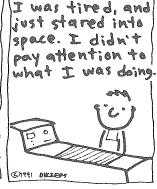
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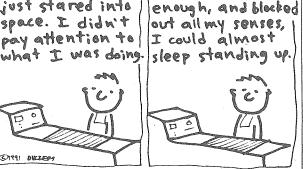
#### Jim's Journal











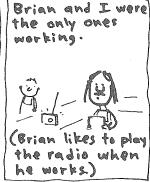
If I relaxed



Baked

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and going out to have fun.



by Jim

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Jim's Journal

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Next Week:

Pretty Woman

## CALTECH public Events

#### **BOSTON CAMERATA** "Tristan & Iseult"

Friday, February 15 / 8 p.m. **Beckman Auditorium** \$27.50 - 25.00 - 22.50

**ECHTIX & CIT STUDENT RUSH TICKETS GO ON SALE** FRIDAY, FEBRUARY 15 CIT Faculty & Staff: \$25.50 - 23.00 - 20.50 CIT Students: \$7.50

Call campus extension 4652 for information.

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Music

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ISSN 0008-1582

# alks Pointless

by Brett Bochner

Upon reading last week's article by Antonio Rangel, I was glad that he had the courage to speak out on some very unusual and controversial beliefs. Nevertheless, I am dismayed by the naivete that his commentary expresses. I mean no disrespect by this - I used to entertain many Utopian beliefs myself, and to a certain extent, I still do - but I think it's time that we wake up and face some realities of life, both about war and about our future.

As far as our activities in the Gulf are concerned, I have to say that it shocks me that some people still believe that if only we had talked it out just a little bit more with Saddam Hussein, then he would have left Kuwait without us having to go to war. Some people feel that if we had used a little more reason, engaged in a little more discussion, applied a little more political and economic pressure, then Hussein would have gladly packed up his army and would have marched back to Iraq after getting a few Western concessions.

If there is someone reading this article who believes that we could have talked Hussein out of anything, then I suggest that they try the following experiment: Get hold of someone you know, someone who strongly disagrees with you on an important issue (it can even be a friend of yours with different beliefs). The issue can be political, religious, philosophical, anything you like. Prepare for weeks before the discussion, get your views organized, write them down, polish

Then spend five hours explaining your views to your opponent, while also listening to their views. Talk until you can't talk anymore, and after it's over, think about the results of the discussion. I'll just about guarantee that neither of you budged an inch on anything really important. If both of you were serious enough to really care about your beliefs in the first place, then each of you had probably already thought of and had disregarded the other's arguments (a totally new, really good idea is very, very rare).

The only kind of person that you can really convert is someone who wants to be converted; someone who isn't really happy with their conception of the world. If you're trying to change the fundamental beliefs of someone who is generally satisfied with life, then

arguing with that person is basically just blowing hot air back and forth. This is exactly what was happening in the last ditch meetings between Allied and Iraqi officials before the war actually began.

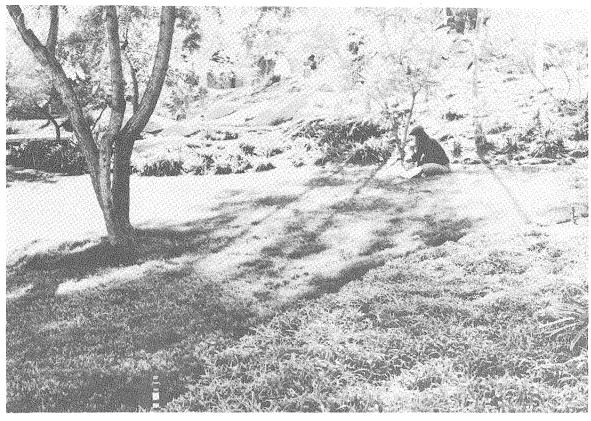
The lines had been drawn, and both sides had resolved their points of view. All the talking in the world would mean nothing; Hussein was even reported to be watching CNN, so I think it's pretty damn sure that he knew what the Western world was saying and thinking. And nothing he heard scared him enough to get him to back out of Kuwait.

As far as I can tell, America only had three choices from the beginning: fight a war and win the eventual peace, fight a war and lose big (in a political sense), or not fight a war and lose in the long run. And after Bush set the Jan. 15 deadline, we lost most of that latter option. International politics is a tricky business. If you look hard enough, you can always find a vantage point from which any of the parties involved are right. You can also fing a vantage point from which each of them are wrong.

The only determining factor is power; both military power and political power. Hussein is only trying to do what he thinks is right, he's trying to unify the people of the Middle East - under his leadership, of course - so that the Western world can't screw them over anymore. And we're doing what we (75% of the American people, most of the Executive branch of the government) think is right, we're trying to stop Hussein from unifying the Middle East, so that they don't screw the rest of the world over.

We're both right, given the nature of who we're trying to protect (it's not that easy to avoid taking sides), and all the discussion groups and conferences aren't going to do a damn thing to change anybody's alliances. All that we can do by discussion, is to try to figure out how to put everything back together after the armies and political upheavals take evrything apart.

Now, about Utopias, I have a question for Mr. Rangel and anyone else looking for one: How are you going to set up your Utopia? The point of a Utopia isn't the political system, or the basic ideology, or even the tropical weather )) it's the people that count. You've got to get the "best" people in the world (whatever that means)



together to make up your Utopia. How do you do that? For one thing, it's a known fact that 90% of everything is crud. This includes people.

What that means is that you can't get a Utopia by a democratic vote, because people won't accept a criterion where 90% of them fail to get in to the Utopia. If a nation (or any organization) tries to get a "perfect" society together, then the people will likely discriminate on the basis of something that makes most of them good Utopians, and that only rejects a small (and usually defenseless) minority of them as unfit to belong in the Utopia.

There are many examples of criteria for determining the inferior members of a society - such as being Jewish (Nazi Germany), or being black (the pre-Civil War South), or being a woman (Victorian England). So you can't put together a Utopia by free, popular choice - you just get bigotry and hatred.

So who can decide on who gets into the Utopia? There's only one solution I can think of, and that's the "I decide" solution. Someone just has to sit down, set up their own rules of who gets into a Utopia and who doesn't, and then picks an initial community of people that respects and gets along with each other. The Utopia would then expand and propagate itself from there.

Sounds good? If it does, then I have another experiment for you to try out. Pick three of your friends that you feel belong in your Utopia. Then have each of them (using your guidelines) pick three of their friends. With no overlap, you've gotten 13 people together.

I'll bet that at least one of those people (and possibly more) really pisses you off. And there's nothing that you can do about it - regardless of what guidelines you set down for your Utopia, it's almost impossible to quantify the kind of chemistry that goes into a successful friendship. There is simply no way to create a large)scale society in which everybody gets along (if anyone can manage to do this, they'll be violating thousands of years of historical precedent even the Garden of Eden had its problems).

And even if you can get people together that all like and respect each other, then your society will still be lacking in some crucial qualities — the same crucial qualities that you lack. If you don't feel comfortable with jocks, then your Utopia may be physically weak, and afraid of physical confrontations. If you don't like very contrary and very stubborn people, then your Utopia may be lacking and important quality of independence and strength, i.e. pioneers.

Nobody's perfect, everybody

if you try to set up a Utopia in your own image, then you're just going to create a society that has your shortcomings to an unbelieveable degree. The only possible way to set up a beneficial society (if not quite a "Utopia"), as far as I can see, is to set up a place that attracts the best people, the people that you're looking for.

Maybe you would set up some serious intellectual or academic standards for those who wish to enter your society; after all, a near-Utopia has to be filled with bright people (a Utopia of dumb people is boring). Maybe you want tham to be physically fit, so you give them some minimal physical requirements (like a swimming test they have to pass, or some other atletic requirements).

Also, you want them to be rational, fairly empathic, relatively emotionally mature people, so that they don't waste their time and abilities merely undermining each other. For that you set up some ethical standard that aspiring members of the community find out about, some kind of honor code that attracts the kind of people who will respect each other's rights.

Gee, sounds like Caltech, doesn't it? How well does our little Utopia work? Is everybody perfectly happy here? I don't think so, because perfectly happy people don't look around for Utopias to live in. Think about it. Brett Bochner is a senior in Page

## **War Protest Planned**

Thursday February 21 is The International Day of Student and Youth Mobilization Against the War. Next Thursday at noon, the Caltech Coalition Against the Gulf War will sponsor an event in recognition of this day. To find out just what this event will be, come

out to the lawn in front of Winnett at noon next Thursday.

All who protest the war can come out of the woodwork and show their true colors. Later that evening there will be a vigil for peace at USC. For more information about the vigil come to the "event" or call Larry Kolasa x4328.

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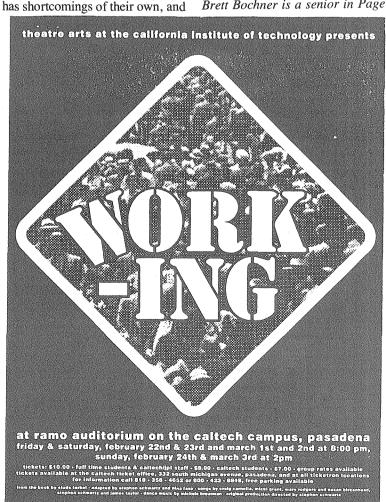
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#### The Inside World

This Week's Inside World was written by: Fleming: Erin Cramer Lloyd: Scott Harris & Raif Majeed

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Well, now that I can open my mouth again, I figured it was about time to

stick my foot in it. Here goes.

Even though I spent seven weeks (including Christmas) with my mouth wired shut, and even though I still have braces and rubber bands on my teeth, and even though the total bill is at \$8000 and still running, and even though the fucking surgeon didn't take out all my wisdom teeth, and even though we lost the stinking soccer game anyway, there are still some good things I learned. For instance,

1) You CAN suck jello through your teeth.

2) You don't set off the airport alarm like that guy in the James Bond movie.

3) I like soup.

4) You can still kiss a girl. (If she likes lacerations.)

5) When you throw up, it's really messy.

6) The snot will freeze in your nose if you can't breathe through your mouth in a goddamn blizzard.

7) You can get your lips stuck in REAL cold weather.

8) Liguid diets really do work.

9) It's great for sympathy.
10) I GOT OFF BOARD!!!!!!!!!!!!!!

Speaking of my Maxillary Orifice,
My Top Ten Things To Eat When Your Jaw Is Wired Shut

10) Bread crumbs (with water)

9) Ultra Slim Fast

8) Soup

7) Vanilla milkshakes

6) Chunky Soup5) Chocolate milkshakes. 4) Blended soup

3) Mixed vanilla and chocolate milkshakes

2) Gerber baby food (looks like thick soup) 1) Steak in a blender (with A-1 sauce, of course)

In current event news, and in the words of my roommate, "there was a (yawn) raging Fleming House party (sigh) in the Fleming courtyard (ho-hum) on Saturday night at Eight o' clock.

Lucky for us, it wasn't (yawn) that exciting, because we might not have stood that much (BIG sigh) fun. It was Only the BEST DAMN PARTY (except for the one on Friday) that I've been to in a week.

Side note to Saturday night: Eyewitness reports say that Brian Kjerulf and his date showed up for wine and candlelight and couldn't figure out why they were the only couple in the dining room. Go figure.

Quote o' the week: "Hope is a thing with fur."

-my favorite Korean rugby fanatic. And HEY!!!!!! Why are you reading this? I don't even read anything but the Caltech Hockey report in this rag anymore. I know that come Friday morning, we all want to know what law or rule that Kurt "HJurt" Stephens has broken this week. Who cares who won or lost! Stephens is exciting enough for his own article in the Tech. Just call it the "Crime and Hockey Report." I better quit soon, because I wouldn't want Stephens to unleash some of his "built up frustration" on my newly rebuilt face.

remember, soup IS good food

-I like soup.



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Kevin, Thanks for a beautiful year. Love,

> DUMP TOM, JUMP ME! ROBERT &

Dump Tom. Pam, Jump me. - Dave

Pam, Dump Tom. Jump me. -El Presidente

Pam Dump Tom, Jump me. -Lynell

Dump Tom V Jump ME! Erich

Joanna, See above, the gang

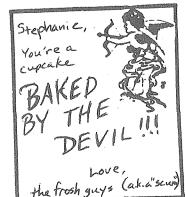
Melinda, Here's to friends! -Ari

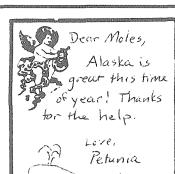
Lieven, I'll get you yet! -the Wizard of Yendor

To Melissa. We want you more for your ody than for your brains! Happy Valentine's!

We love ya,
Danny & Amoeba

Andrea + Craig Happy O Day! (love those goofy smiles!) MARKALAR ARACAR





Clasere. Decre you CESOU

> Dear Elmo, Fear, Merlin, 5 Splotch, Callie, Didi, Goo, Chaos, and Deepi (00),

Arf, Art, Wost, Meous Mean, Purr, Blupp!

8888

5) Showe Be mine 50 Tearn to be as sensitive to The need! of others as you. -the oppressor male class.

Andrea, We love you! Hang in there, and happy Valentine's Day!

88B8

Mr. Hussein, "Sadamize" me Now, pookie! Luv ya. - Yasser A.-

To Steve J. Thanks for the Valentine; here's one for you. Happy Valentine's Day (belated)! From Debi T.

DEAR JESSIE

> MINE! Happy late Valentine's Day

LOVE, JASON

I can't wait 'til August 10!
"Come grow old with me, the best is yet to be."

With Much Love,

Andrew & Samontha, Happy Valentine's Day!

To Speck,
The most gorgeous babe I've ever seen, Happy Valentine's! Love,

Dear Rich, Look what's in the Tech for you! I love you so very much. Love always, Debi

柳柳柳柳柳柳柳柳

I love both de l' I love Bridge in my Make a direct Anon Sams

Jerry, Looking forward to many more nights -Ph 106

Amee, I apologize for every thing I said. Will you sleep with

Dear Bevan - no, I mean Xavier ... um, oh, never mind. 8538

To Mark & Scott -Who could resist two studly men like you?

THE MEAT COUNCIL YOU'LL BE USING YOUR BROOMS AS CRUTCHES WHEN

WE'RE DONE WITH YOU!!

-DAMN SCURVES

You're the best! JLG- JM + Speck



Politzer, I saw you in the movies and fell in lover Con gov time-evolve Function? -Anon

Doug + Judith,

Our thoughts are with you this Valentine's Day. We love you.

> Love, Blacker House 1888

To Kristi M, Roses are red, Violets are blue. You're all I need, and I'm lost without you.



Deur Noam BE OUR LOVE BUNNIES the women of Blacker

Jen, Be my valenting and may be I To so next time were to get wasted together. love El Presidente

DEBI & MONICA 1 MIGHT AS WELL FACE IT. YOU ARE THE LOVES OF MY LIFE?

To the ten babes on campus, Helen, Nicole, Aimee, Tina, Kristi, Tristy, Sacha, Amy, Jo, and Monica.

With Love, Danny To Eric in Page:

Though I'm too shy to tell you in person, I think you're adorable, gorgeous! You probably already know this, but I wanted to remind you. Happy Valentine's Day!

- Your Secret Admirer

Fear, please come home. All is forgiven. - Munth + Mextin

@ = LOVE Happy VD dot.



Can we take you home & keep you? Love, Debi & Mo-

**程程程程程程程程** 

Rob + Sophie -Happy Valentine's Day!

Dave McGraw, I LOVE YOU! Come out and see Rabe @ Tech

Lloyd House, We're sorry that you were all wet. Love, He Blacker waiters

TO DEBI AND MO, WHO COULD RESIST TWO STUDLY WOMEN LIKE YOU? LUV, FOUR SECRET ADMIRERS

To the other teams in the upcoming Boffo Good luck, and contact Pete Caylor if you need help financing your hospital bills ! Love ya'! - The Heat Council

It's not the twinkle in your eye That puts that spring in my step nor the tongue in your cheek when your excitement goes up high I can't say the pink of your ears causes me to be all hot and bothered It is imagining you plucking you nose hairs while hopping on your peg leg.

CT be my Valentine,
Tebroc

#### The Inside World

Thursday night, February 7, 1991 is a date that will haunt me for the rest of my life. Never before have I seen such a tragic display of man's cruel inhumanity towards his fellow man. Even as I write this, the tears are beginning to well up behind my eyes

WALKER MUST PAY

It all started with a friendly wager. The issue itself was straightforward: who has more spirit, Lloyd or Blacker? Which house could round up more of its own members to attend the other's dinner? Joan-Marie Gimbel [MOLE 1] and Becky Green [MOLE 2] bet Jen Remine that more Moles would attend a Lloyd dinner than Lloydies would a Blacker dinner. The stage was set.

WALKER MUST PAY

Many Lloydies were enthused and charmed by the invitation; frankly some were even flattered. We didn't care that one of the Moles was a certain Walker Aumann [MOLE 3] (WHO MUST PAY). Yes, this is the same Walker who was once a Lloydie himself. The same Walker who, in a campuswide survey, was reportedly found less popular than the word "No." WALKER MUST PAY

We arrived at the house of gracious living filled with high hopes for an evening filled with spirit, good humor, and trust. This trust is part of the guest-host relationship so prominent in the history of Western civilization, as documented in Beowulf and the works of Homer. This trust, the very foundation for our evening, was shredded and thrown high in the air and caught by the winds of chaos. WALKER MUST PAY

A vast majority of our hosts were most beneficent in their welcome. We did not ask for much, merely a warm meal and perhaps a place to rest our weary legs for a while before returning to Lloyd House. The Moles were kind enough to set extra tables and offer us genuine steak knives for our dining pleasure. Might I add that the steaks were rather above average for the campus fare. WALKER MUST PAY

In addition to the assortment of viands and victuals placed before us, we were treated to a myriad of Blacker-style entertainment, including the good-natured sugar-packet horseplay. A good time was had by all.

WALKER MUST PAY

Then announcements began. We thought we knew what to expect from Blacker announcements: perhaps a chain, perhaps some bombacity, perhaps some arbitrary waiters. We were witness to, and participants in, all of these. But there was more than any of us had anticipated. Among the waiters was MOLE 3, much to our dread. We hoped, nonetheless, that he would not come near anyone, be they Lloydie or Mole, hence preserving the pleasant nature of the evening. Alas, it was not to be.

WALKER MUST PAY

Walker was in his element. People were finally paying attention to him, perhaps even taking him seriously. He had power-he was a waiter-perhaps never again would he be noticed. Now was the time to strike. First there was the shameful repeated dousing of our own Tim Crowder. Tim is a mature young man and took it well. Everyone was in horror. Was Tim the one who needed rinsing? I think not. Then came the arbitrary rampage across the dining hall, destroying the sense of camaraderie and engendering indignation and disgust. Now there is only one thing left.

WALKER MUST PAY

Lloydie and Mole alike were stricken by this tragedy. Kind words were exchanged, diplomatic relations remain strong. Support groups have been established to aid the victims in their recovery. A therapeutic broomball contest has been scheduled for this weekend.

WALKER MUST PAY

Perhaps, as you read this, Walker has begun to pay. Perhaps he has been showered several times; perhaps he has been given a tour of Caltech's intricate pond system; perhaps he is sprawled on the ice, witnessing the destructive power of the Zamboni machine. We have heard various stories of who paid for the floating, what brought it on, and so forth. These questions may never be answered. Nonetheless, the question of who should be held responsible has been

WALKER MUST PAY

Don't be paranoid, Walker. When the time comes, you will pay.

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### The Inside World

Ruddock

Random Notes

Looks like I get to do the Ruddock Inside World this time around. Yippee- keeii motherfucker, let's do business. Let's go let's go let's go!

Oh oh oh-oooh!

Did 95 just the other day, went through hell just like always. See juniors with their hair on fire and heads exploding in miniature versions of BLU-82 with flecks of white and gray and red and bloodied hair. Just like that, man, a life zapped like flies in a bug-zapper. Oh yeah . . . And just when you thought it was really bad, they got this guy Koonin comin' in . . . "Wonder-boy" they call him. What the hell man?! Sounds like that movie the Natural, except this time

we got a brain-dead lifer for a lead...Oh boy. Okay though, just keep the alcohol flowing. (DAPAC? HA! Man oh man, jes cuz ya'll think youz gonna stop us. Might as well take 'em and shove up the Page RA's ass...I mean so far they'll be shittin' commas and periods for a month. AND HEY... Is it just me or does this sound like a bunch of fuckin' fascists? As if we haven't got enough troubles with those Neanderthals in Fleming we now got a bunch of Nazis invaing the houses. What is this? Whatever man, WHAT- ever.)

Speaking of 95 and alcohol (boy, how's he gonna work this one)...

You can't hurt me!

Why? Cuz' I'm banned in D.C., D.C., D.C.

So ANYWAYS, after having left the Flem party last week where they were oh-so-joyously-gee-golly-wiz-caneverbody-do-it-too toastin' marshmellows and vacating the Blacker party where the-duo-from-hell-who-can'tand = don't- deserve-to-play-until-they-get-their-noses-outof-their-ass-fuckheads kept playing all these Rudds were sitting around in 4.5 when outta nowhere walks in everybody's favorite 95 TA Tracy Fu: "Hey Del, Tucker, Lilje-blad."

"LIL-YAY-BLAHD you fucker!"

Now mind you, Trace looks like your average-mildmannered-Dabney-in-transition Darb, fuzzy hair and glasses and pen, but he is in reality the most patriotic pinnacle of power and dynamic intellectuality that has yet ever enveoped itself in the mantel of virtue, truth, and the American Mathematical way. Why, this is the same man who without flinching turned around and upon seeing his arch-enemy Aimee Smith at the Fleming party flipped her off with both fingers and yelled at the top of his drunken lungs: "Aimee Smith, you're a bitch!" Guts, man, guts.

And, oh yeah, which reminds me...ANYWAYS. everybody's yellin' at Trace since between him and Matt Tucker Ruddock House Drunken Friday Fire Drills always roll. Trace smiles that big shit-eating grin. Delwyn looks at him and sez: "Uh, Tracy, looks like Zoot juice and Beer.' Trace nods, smiles even more, "Hey man, it was everything." Cheers, the crows goes wild.

The roof the roof the roof Is on fire We don't need no water Let the motherfucker burn.

Dissolve, silence, camera stop. Begin on pause (1,2) So Trace suddenly frowns, looks around. "So like who's

this Aimee Smith character?

Silence

. And thunder rolls in the distance as far away the darkened somber clouds gather their threatening twilight

"I mean, she just wouldn't stop asking questions man, I mean, what the hell?! I didn't know what the fuck she was talking about? Where the fuck did she get those questions?"

Delwyn laughs a nervous laugh, "Heh, heh so I see you got your taste of the Smith."

Tracy shakes his head, defiance building in his voice. "I mean, you guys are all right. But her man? Wretch was like a fucking Inquisition!! What the hell man! She was asking me stuff I didn't know and it was like, hey, I never had to use the stuff so like why worry about? What the fuck, Saffman's just bullshit anyway. What the hell's her problem anyway? Jesus, man, she was into some obscure shit.

Heads start to shake, hesitant eyes lower to the ground. Only Tracy's allies, Delwyn, Jon, and Matt nod in subdued agreement.

"Dude, I mean, she's a bitch!"

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you are, but dude, she's pretty fucking intimidating.'

"Holy shit dude, watch what you're saying. I wouldn't say that," Tucker says.

Man, I could take her on easy."

Tracy shakes his head. "No way.

"Dude, she's pretty fucking tough," Jon mutters.
"Really?" Tracy shakes his head. "Na, I don't think so.

"I don't know dude," Jon says, "I mean, I'm stronger than

"I can take her on man, just me," Tracy smiles, raises his fist. "This Smith man, she's all hype. Just total hype. I say one ring chain-link fence with no breaks and I'll be the winner.

Yes folks, it's Aimee "Bonecrusher-Earthquake" Smith vs. Tracy "Hulk Hogan" Fu in a Ruthless Non-stop Collision Course for disaster! Only one will emerge victor from this Clash of the Titans, and the other will be left in Humiliating Defeat! Who will win this Duel to the Death, this Monstrous Thunder-Clap, this Super-star Showdown of the Champions? Only the time will tell, in this World-Wrestling Federation Battle of Heaven and Earth from Hell!!!!

"I don't know Trace," Delwyn's shaking his head.
"Aw man, I could take her on right now. Where is she man? Right now! I challenge her!" He's looking, the huge grin on his face getting even bigger. He nods with radiant inspirational self-confidence." She knows she's gonna lose. She's scared of me that's what it is, she's scared to take me on right now. Dude, just you wait man. Once we're in that

ring, she's history. She's gone. Outta here."

Tracy's greatest ally Jim speaks out: "Yeah man, you can do it. As long as the refs keep it under control you'll

have it easy man. Title's yours."

'All hype man all hype. She's soooooo totally bogus." "But dude," Matt shakes his head, "she's the president of Lloyd."

Hey now hey now now now Sing this corrosion to me

Death Star, Empire theme, only one hope, somber dark gothic death scene

Tracy shrugs it off: "Hey man, I'm not scared."
"Ah, I don't know Trace," Chris shakes his drink, "look

what she did to Shane Sauby. "I know, but he didn't have it, man." Tracy's grin breaks

wider, "he didn't have what it took."
"The Force right?" Jon mutters.

Haawwwwwwwwww-pa. Hawwwwwwwww-pa. Steps thunder down the alley as the tread of heavy steeltipped boots make their way down the darkened corridor. The breathing is heavy, dark, evil. The flowing dark cape speaks of power and strength. Yes, she has arrived.

"I want those answers," SHE says, "I want those answers NOW. I don't care if you have to rip this house apart bit by bit. Bring those answers."

"Y-y-yes Lord Smith," Melissa scurries for cover, her usually gleaming carapace of armored domination yielding beneath the commanding presence.

SHE turns away, her dark presence dimming the light of the alley.

Tracy laughs, "She's all hype man."
"WHAT?!!??!?" She turns, the anger in her voice. "You all think Lloyd's a bunch of nerds, don't you? You think we're all a bunch of fucking nerds?!!? You dickheads in Ruddock think you're so bad-ass next to us Lloydies. Man, you're just a bunch of fucking pigs. What is it with you?! Got a pole shoved up your ass?! Just you wait, man, just you wait." The determination rises in her voice, her glowering presence escalating in the alley now too small for her presence. "Yes, your rebel forces may think you can hold out, but wait. Everyone thinks Lloyd's just a bunch of wimps, but wiat until this battlestation becomes fully operational. Then you will witness the awesome firepower the Empire can deliver. And with the arrival of Emperor Koonin you all will bow cowering beneath the presence of our might.'

Can the hopelessly outnumbered forces of the rebles hold out against the empire? Can Jim "Han Solo" Werner and Tracy "Luke Skywalker" Fu ever succeed in their valiant struggle against the might of Lord Smith and Emperor Koonin? Come witness the spectacle of 95 Wars/The Empire Strikes Back/The Return of The Tracy.

> Thorn in my side You know that's all you ever were A bucket of lies

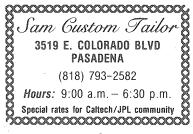
That's all you ever served. Fadeout, slow, focused on Tracy Fu, on smile, on note,

"And besides, if worst comes to worst, I'll just fail her

Cheers erupt from the crowd, the lounge goes crazy, beer pours into the air and-

YA KNOW, YA KNOW, YA KNOW...

-Psychomongol



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#### Track

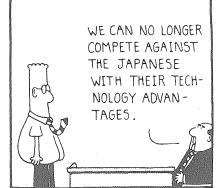
from page 8

pecking order in the meet was Claremont (121 points), Cal Lutheran (114 points), Caltech (88 points), Biola (48 points) and La Verne (10 points).

In the words of Coach O'Brien, "Liz Warner is BACK!" Liz was Tech's short sprint performer of the day, posting a time of 13.8 seconds in the 100 meter dash and a time of 29.4 seconds in the 200 meter dash, good for third and second place respectively.

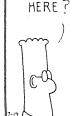
Kitt Hodsden handled the 400 meters, finishing first in 1:12. Emmeline Naranjo turned in an impressive early season performance in the 400 meter hurdles, finishing second in 1:14.7. Her teammate Jennifer Remine was also impressive, capturing first in the shot put with a throw of 30 feet, 5.5 inches.

The Caltech Squad will go on to compete in the Pomona Pitzer Invitational this weekend.



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JUST DO FOR THEM WHAT YOU'VE DONE FOR US.

Folk Dancing On Campus

The Caltech Folk Dancers invite you to come and join us for folk dancing on Tuesday nights in Dabney Hall Lounge. Dances are taught from 7:30 pm to 9:00 pm, with dancing from 9:00 until 11:30 or midnight.

International Folkdancing

The International Folkdancers meet in Dabney Hall Lounge every Tuesday evening all year round. Folkdance classes start at 7:30 pm each Tuesday. Open dancing starts at 9:00 pm. On Tuesday, February 26th, Greek dance instructor Joe Graziosi will be teaching, so put that on your calendar now! No experience is necessary. All are invited to attend.

# what goes on

Submit announcements for What Goes On on forms available outside the Tech office (SAC room 40A) and in the copy/mail room (SAC room 37), or use a plain piece of paper. Send announcements to 40–58, or put them in the IN box outside the *Tech* office. Indicate the date(s) the announcement must run. Announcements for the current issue *must* be received by 5 pm Tuesday and should be shorter than 75 words. Announcements will be published as space becomes available and will be chosen according to size and interest to the Caltech community. Announcements for commerical events unrelated to Caltech will not be published.

#### TACIT presents "Working"

Theatre arts at Caltech presents the annual musical "Working", based on the book by Studs Terkel. Performances are Friday and Saturday, Feb. 22,23, March 3 and 4 at 8 PM and Sundays Feb 24 and March 3 at 2 pm. For further information call Roberta

Attention, Seniors!

The deadline for senior pictures is March 8th. The editors will try to give each person half a page, group pictures are fine. If you haven't got your 1990 yearbook yet (upperclassmen only, not frosh!), drop by the Big T office on Monday (2/18) from 8-9 PM

to pick up a copy.

The editors are also looking for scenic and random pictures of our campus. If you want any of your work being seen in next year's yearbook, please submit your picture(s) and description(s), and your name and address to BigT office, 27-58.

#### **Hubble Trouble**

Dr. Lew Allen, Chair of the Hubble Space Telescope Optical System Review Board will be giving a seminar on the Hubble Telescope Thursday, February 21 at noon in the Judy Library, Baxter Hall.

**China and Japan Spring Courses** 

Spring term Humanities and Social Sciences faculty will offer courses on China and Japan covering art, economics and culture. The Artistic Traditions of China (Art 101) will be offered by Professor Dofflemyer. The course will cover Chinese traditions in architecture, sculpture, painting and ceramics.

H 161, Japan and the United States: the Cultural Encounter, will focus on the personal, social, and cultural encounter of Japan and the United States over the last 150 years. Topics will range from initial contacts to the Pacific War to baseball. Instructor: Rosenstone.

Asian Economics in the Late 19th and 20th Centuries (Ec 101), taught by Professor Kenneth Sokoloff, will explore and analyze the economic development of East Asian economies, especially China and

#### Fiction Course

Professor Michael Timko, Mellon visiting associate and lecturer in literature, will offer a course on the aspects of fiction spring term (Lit 180). Professor Timko, visiting from the City University of New York, will emphasize technique, approaches, themes, and topics in representative works of fiction.

Dinner on the Y

Several Caltech Y Board members are opening up their homes to students for dinner. If you would like to take advantage of this GREAT OPPORTUNITY, stop by the Y and sign up today. Times and dates vary.

Grand Canyon

For those interested in going to the Grand Canyon March 21-27, there will be a meeting at the Caltech Y today at 4:00 рм.

**Attention Internationals** 

ship of Overseas College and University Students) invite you to attend a free dinner and fun evening with American friends on Saturday, February 16, 6 PM to 9:30 PM. Stop by the Y (second floor Winnett) for info

We're supposed to have the tools you need to keep your bike in shape. \$5 annually plus key deposit. See Stephen Heise, Dabney room 16, to join.

Third Reich Film Series

David (Germany, 1979 - Peter Lilienthal) is the sixth film in The Third Reich and Its Legacy film series. It will be shown February 18 at 7:30 PM in Baxter Lecture Hall and is open to the Caltech community. The film centers on the life of one of the several hundred Jews who survived - underground - in Berlin during the war. This 1979 film won the Best Film award at the Berlin Film Festival of that year.

#### The Quiet S.P.E.C.T.R.E.

The Caltech Science Fiction Club will meet on Tuesday, February 19 at 7:30 рм in room 35 of the SAC. After a brief meeting, we will show The Quiet Earth, a 1985 film of New Zealand origin. Questions: email spectre@tybalt or call Eric (564-8949). Be seeing you...

Ray Bradbury Speaks

With gracious funding from the GSC and the Cal Tech Y, S.P.E.C.T.R.E. is proud to present the famous science fiction author Ray Bradbury. Along with Asimov, Clark, and Heinlein, Bradbury has stood as one of the Titans of the science fiction genre ever since his first published story in 1941. Mr. Bradbury will give his talk "Beyond 2001" on February 27th, 5-7pm in Baxter Lecture Hall, and will be available for questions and signings afterward.

#### Phys Club, SEDS Join Forces!

Promote science in local schools . . . . Help a high school team develop an engineering design for the Second Annual High School Field Day at Caltech! It's fun, exciting, and a great way to encourage high school science students. Also, you get to learn how to build rubber-band cars (with an extra twist or two, of course!) Physics Club members, SEDS members, and all interested Techers show up at 201 Bridge Sunday night at 7:30 PM for a short organizational meeting. If you can't go, get someone to go for you, or call Mike 578-9833 or Golda x6163/x3760. Refreshments provided . . . !

Women's Glee Club in Concert The Women's Glee Club will help celebrate International Women's Day on March 8 by presenting a special performance of Giovanni Luigi Pergolesi's "Stabat Mater". This 18th century masterpiece, composed during the last years of his life, is a staple of the Baroque repertoire for treble voices. Caltech alumna Laura Wilson Ravine, and chemistry grad student Jamie Schlessman, will be featured soloists. Reduced price tickets are available in advance from Women's Glee Club members. General admission is \$5. A reception hosted by the OWC will follow the 8:00 pm concert. Seating in Dabney Hall Lounge is limited, so get your tickets early.

#### Online Schedule of Classes

The Caltech schedule of classes, as published by the Registrar's office, has been added to the online INFO system, accessible via CITnet. A write-up on using the INFO system is available from the CCO Consulting Office, 162 Jorgensen.

**SWE Engineering Competition** 

SWE Technical Presentation Competition (paper related to engineering). Must be undergrad SWE student member. Winners get free transportation to SWE national student conference. Applications due by March 1, 1991. Interested? Contact Celia Ng, 1-55, 578-9923.

Let The Games Begin

Every Friday night, the Caltech Gamers meet to enjoy role-playing and board games. Friday meetings are in Winnett Clubroom 1 or in Rm. 33 of the SAC at 8:00 pm. Meet others who share your interests. All welcome! Most common Friday games are fantasy role-playing, but it's a good time to find players to share whatever games you like.

#### African-American Art Show

The Caltech Y and the Pasadena/Foothill Branch of the Los Angeles Urban Leagur present "The First Annual Tribute to African American History Through the Arts" Friday and Saturday, February 15 and 16 from 11 am to 6 pm in Dabney Lounge. The exhibition will include works for sale by Southern California African American artists, featuring a gallery of paintings, graphics, batiks, sculpture, and mixed media

#### **LA Phil Tickets**

\$5.00 will get you a great evening with the LA Phil on Saturday, February 16 at 8 PM. Andre Previn conducts Britten's "War

#### Putting it Together

How do love, sex, relationships, intimacy, marriage, romance, commitment, maturity, personality development, being spiritual, being Christian... fit together? Hear about it on Monday, February 18 at 7:30 PM in 206 Thomas. Susan Wuto, Ph.D., and Adrian von Kaam, Ph.D. (both of Duquesne University) are the speakers. Cosponsered by the Newman Center, the Caltech Y, and the CCF. All are welcome.

Beavers in Space

The Caltech chapter of Students for the Exploration and Development of Space (SEDS) has reserved some Get Away Special cans (GAS cans) to be flown aboard the space shuttle. We would like to invite all interested members of the Caltech community to participate in a presentation session to be held Monday, February 18 at 9 pm in room 25 in the SAC. Come bring a few transparencies and give a five to ten minute presentation on your vision for a shuttle experiment. For ideas and information there are several documents on reserve in Millikan Library describing previous experiments, technical specifications of the GAS cans and safety requirements. Good luck! See you at the meeting.

#### **CLASSIFIED ADS**

HELP WANTED-

STUDENT FOR CAMPUS CIRCULATION of the California Tech. Applicant needs car or regular (weekly) access to one, and able to work early Friday mornings. Must be responsible and self-reliant. Call x6154 and ask for Sonny Arcilla.

OPPORTUNITIES -

ASSEMBLERS: EXCELLENT INCOME to assemble products from your home. (504) 646-1700 Dept. P4963.

TRAVEL-

**CANYON EXPLORERS CLUB** (since 1972) Backpacking · Peak Climbing · Skiing Mountain Biking · Bus Touring · International Treks and Tours. CEC is a nonprofit all-volunteer leadership and membership oriented outings club devoted to wilderness exploration. All trips and outings are run on a share-the-cost, share-the-responsibility basis; leaders volunteer their time and services free of charge. All of our trips emphasize the out-of-doors, natural science and native cultures. The trips vary in difficulty from strenuous backpacking, and technical mountain climbing to quite easy hiking, biking and camping out. (Current membership-510.) New members and leader-types are currently being welcomed. Write CEC Newsletter, Dept CT, 12681 Silver

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

## money

Scholarship Listings

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

The American Society of Naval Engineers has available scholarship awards of \$2,000 each for the 1991-92 academic year. Undergraduate awards are limited to a student's final one or two years of undergraduate education. Graduate support for studies leading to a master's degree are limited to one year. Applicants must be U.S. citizens and demonstrate a genuine interest in naval engineering. Deadline for application is February 15, 1991.

The Polish University Club of Los Angeles, Inc. is offering scholarships to students interested in the Polish/Polish American heritage. Scholarships are valued up to \$1500 per person. The deadline for filing is March 15, 1991. All required documents must be in at that time.

If you have any questions, please come by the office or call x6280.

The Marin Educational Foundation is offering Marin Educational Scholarships for undergraduate study for the 1991-92 academic year. Applicants must be Marin County residents and must be complete a FAF or SAAC. Deadline to apply is March 2, 1991.

Rotary Club of Los Angeles is offering a \$2,000 per year scholarship to current sophomores and junors who are U.S. citizens or permanent residents. You must have a 3.0 GPA. Deadline to submit applications to the Financial Aid Office is March 1, 1991.

The General Motors Corporation is offering one new scholarship to a student interested in the automotive industry who is a second term sophomore in Chemistry and/or Chemical Engineering. The GM Scholarship includes full tuition, a book allowance, and a paid summer internship. The award is for the Junior year and is renewable for the Senior year. Financial need is NOT a consideration in the selection process. Applicants must be U.S. citizens or permanent residents. Applications are available in the Financial Aid Office and the deadline is March 1, 1991.

The Energy Exchange of Greater Los Angeles will award two scholarshipf of \$2,500 each to students entering the junior or senior year of college in September, 1991. Their major must be in engineering, economics or computer science with a GPA of 3.0 both overall and within their major. Applicants must be U.S. citizens and demonstrate excellent oral and written communications skills. Financial need is NOT a requirement. Completed applications are due in the Financial Aid Office by February 22, 1991.

Political Internship

The Beckman Internship will be available for the summer of 1991. The internship, supported by friends of Dr. Arnold O. Beckman, will pay a stipend of \$2600. It allows a selected intern to spend the summer working in the office of a politician and to see from the inside the process of government. The intern is expected to make arrangements with the appropriate political persons. It is open to any Techer who intends to be a Caltech undergraduate next year. If interested, submit a brief proposal describing where and how you would use the stipen, to the Deans' Office, 102 Parsons-Gates, by Monday, April 8, 1991.

#### Attention Aero Students!

Applications for the AIAA/Industry Scholarship program are now available. These are \$1000 renewable scholarships. Last year odds for getting a scholarship were 1 in 2! Check the AIAA table or call 792–1513.

#### Monticello Foundation Intern

junior women, the deadline for submitting a proposal for the Monticello Foundation Summer Internship is Monday, March 4, 1991. The description of your project along with two faculty recommendations are to be submitted of the Deans' Office, 102 Parons-Gates.

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## Track Men

by Chris Campo

Sunny skies and smiling faces were aplenty at the kickoff meet of the Caltech Track and Field 1991 season Friday, February 9 at Caltech. The Beavers squared off against Claremont-Mudd-Scripps, Biola, La Verne, and Loyola Marymount in a running, throwing and jumping extravaganza.

When the dust and smoke had cleared, Claremont-Mudd-Scripps was on the top of the mountain with 246 points for the men. The Battlin' Beavers were a level down with 120, followed by Biola (that team with red sweatpants imprinted with the slogan, "hard work is the bottom line" on the rear end) with 74, La Verne with 10, and the one man team of Loyola Marymount with 6.

In the sprints, the man of the day for Tech was "Rockin" Rich Baltzersen. The Fleming ath man ripped through the 100 meter dash in 11.8 seconds to bag sixth place, and shot through the 200 meter event in 24.6, good for fifth. Baltzersen posted the fastest times of the day for Caltech in these two shortest events.

While Baltzersen was king of the dashes, Ari Pine and Greg Dudey were the men to watch in the longer sprints. Ari finished fifth in the 400 meters with a time of 55.7, quite respectable for his debut on the collegiate track and field scene.

Teammate Greg "Howdy' Dudey came out to compete in the 400 meter hurdle race and snatched a victory in that event with a time of 59.9. Dudey's sub-60 performance was impressive for a season debut. He will be the man to watch as the season progresses and will be a definite all-conference contender at the SCIAC championships in the 400 hurdles.

Sport

Track

Tennis (W)

Basketball

Ice Hockey

Tennis (M)

Tennis (W)

Day

Sat.

Sat.

Sat.

Sun.

Wed.

Wed.

Wed.

Sat.

Sat.

Sat.

Sun.

Date

Feb 9

Feb 9

Feb 9

Feb 10

Feb 13

Feb 13

Feb 13

"Jumpin" Jack Prater earned his name by skipping and jumping his way to first place with a jump of 41 feet, 6.5 inches. According to Prater the long jump is a "weak" event and lacks the "thrill of that skip and jump" which he obtains doing the triple jump.

Not to be outdone by the jumpers and sprinters, Tech's weightmen opened the season with an impressive display of strength coupled with technique.

Freshman William Glenn, in his collegiate debut, finished second in the discus with a throw of 124 feet, 11 inches. Glenn's opening performance bodes of spectacular things to come in this season and throughout his four years here at Tech.

Steve Harkness, competing unattached this year to hone his talents for a stellar performance next season, hurled the shotput 43 feet, 0.25 inches.

Coach Tony Dees said of Harkness and Glenn that "...they've got incredible amounts of power. They just need to learn how to use it." Dees, a decathlete who will compete in this years Oxy Invitational, is new to the Track and Field coaching staff this year and is working with the throwers and sprinters.

Senior Chris "almost out of here" Campo ran a time of 16:49 to capture first place in the 5000 meter event. Fellow Tech distance runner Mark Lyttle captured first in the 3000 meter steeplechase with a time of 11:38. Unfortunately, Lyttle had to run alone because, according to Head Track Coach Jim O'Brien, "no one else had enough hair on their chest to compete against Lyttle.'

For the Caltech women, the continued on page 7

SPORTS

Opponent

Occidental

Redlands

Redlands

Biola, CMS, Cal Lutheran

Mt. Saint Mary's College

Cal State Northridge #2

LaVerne, Loyola Marymount



Ned "Sprinklerhood" Bowden struggles to keep pace with superstar Kenny Felix of LaVerne at the Caltech Invitational I.

## **Hockey Beaver Bowl**

by Jim Caron

For the fifth time in the history of the Caltech hockey club the Beavers from Caltech will play the Beavers from M.I.T. The M.I.T. hockey club will be comprised mostly of alumni that will fly into Los Angeles from all over the country on Friday night for a game at 11:30 AM Sunday morning in Pasadena.

M.I.T. has dominated this annual event for the past five years. However, this year, the Caltech Beavers intend to rewrite the book by entering a "W" in the win column against their premier crosscountry rival. Caltech looks particularly strong this year and can skate three good lines that will give them an advantage of depth that

RESULTS

53-116

54-106

19-2

1-8

1-8

Men: CMS 246, Caltech 140, Biola 74 LaVerne 10, Loyola Marymount 6 Women: CMS 121, Cal Lutheran 114

Caltech 88, Biola 48, LaVerne 10

M.I.T. might not have.

M.I.T. is located in the greater Boston area which is home to several NCAA hockey powerhouses such as Boston College, Northeastern University and Harvard. Due to the local competition and to M.I.T.'s strict admissions requirements, they have never been able to put out an official NCAA team. Nevertheless, M.I.T. has always had a strong hockey program and may even be the toughest competition for Caltech this season.

Caltech completed their latest road trip by beating CSUN on Sunday night 19-2 and again on Wed-

nesday night by another large margin. The big goal scoring line on Sunday night was the line centered by Dale Laird that accounted for nine goals. Laird scored five goals, his left wing Jeff Moore scored three and right wing Jeff Hall scored one.

The two big victories against CSUN must be put behind, so Caltech can prepare for the grudge match against M.I.T. on Sunday. As long as Caltech relaxes and plays the way they are capable of playing, they should be able to beat M.I.T. The only strategy for this game is to skate hard and have fun.

## Cricket Tournamen

by Asim Mughal

A friendly cricket tournament came to an end last Sunday at Caltech as "Azeems" snatched away the winning Trophy. This cricket tournamnet was open for whole Caltech community. The four participating teams were;

1. Azeems 2. Blues 3. Chems 4. Kunnuns

After initial round of matches among the teams, Azeems and Kunnuns qualified for the finals. A quick summary of the score of the final game is as follows

Azeems (batting first) all out for 90 runs.

Kunnuns (chasing the score) all out for 52 runs.

WINNER: AZEEMS

This final was very sensational; it wasn't until the end of the match that one could guess who was going to win. Both teams were equally matched in strength and prowess. Spectators were charmed by the display of talent and professionalism from both sides.

The winning team members were, Mohammed Azeem (the captain), Syed Hassan Yousaf, Imran Aziz, Imran Hashm, Shamim Hashmi, Zulfiqar Khan and (of course) yours truly.

Most of the players are also members of Caltech Cricket Club. Cricket Club, founded just a year ago, has all the equipment required. All it needs is a field to have a regular weekly practice. Fortunately, Athletics Dept. has promised the field in front of Gym building to be available starting the third Quarter. Till that time, the field has been and still is reserved "oh-so-important-than-anyother" softball teams. (Who are not even present there half of the time, it is rumored). But indeed, Cricket Club has open membership, anyone wishing to join is welcome.

Very soon, Caltech Cricket Club is going to throw a challange to USC Cricket Team for a friendly match. An informal invitation has been made. Till then, keep your teeth and nails sharpened and keep tuned in for more news of victory!

#### Feb 13 Ice Hockey Cal State Northridge #2

WEEKLY SPORTS CALENDAR

OFFICE OF THE PARTY OF THE PART		
Date	Time	Sport
Feb 16	10:00 am	Track
Feb 16	11:00 am	Swimming
Feb 16	12 noon	Baseball (2)
Feb 16	2:00 pm	Tennis (M)
Feb 16	2:00 pm	Tennis (W)
Feb 16	5:30 pm	Basketball (JV)
Feb 16	7:30 pm	Basketball (V)
Feb 17	11:30 am	Hockey
Feb 18	5:30 pm	Basketball (JV)
Feb 18	7:30 pm	Basketball (V)
Feb 19	1:00 pm	Golf
Feb 20	3:00 pm	Tennis (M)
Feb 20	3:00 pm	Tennis (W)
Feb 21	5:30 pm	Basketball (JV)
Feb 21	7:30 pm	Basketball (V)
Feb 22	TBA	Swimming
Feb 22	3:00 pm	Baseball
Feb 23	TBA	Swimming
Feb 23	9:00 am	Fencing
Feb 23	11:00 am	Baseball
Feb 23	11:00 am	Track -
	Feb 16 Feb 16 Feb 16 Feb 16 Feb 16 Feb 16 Feb 17 Feb 18 Feb 18 Feb 19 Feb 20 Feb 20 Feb 21 Feb 21 Feb 22 Feb 22 Feb 23 Feb 23 Feb 23	Feb 16 10:00 am Feb 16 11:00 am Feb 16 12 noon Feb 16 2:00 pm Feb 16 2:00 pm Feb 16 5:30 pm Feb 16 7:30 pm Feb 17 11:30 am Feb 18 5:30 pm Feb 18 7:30 pm Feb 19 1:00 pm Feb 20 3:00 pm Feb 20 3:00 pm Feb 21 7:30 pm Feb 21 7:30 pm Feb 21 7:30 pm Feb 22 TBA Feb 22 3:00 pm Feb 23 TBA Feb 23 9:00 am Feb 23 11:00 am

2:00 pm

2:00 pm

9:00 pm

TBA

12:30 night

Pomona-Pitzer All Comers U.C. Riverside Barstow College Occidental Occidental La Verne La Verne Cal Lutheran Cal Luthern Claremont-Mudd & Redlands Pomona-Pitzer Pomona-Pitzer Redlands Redlands SCIAC Championship Redlands SCIAC Championship UCLA, CSUF Redlands (2) Oxy, Redlands and Whittier Tennis (M) LaVerne Tennis (W) LaVerne UCLA #2 SCIAC Championship Swimming San Diego State

Opponent

Barstow College Occidental Caltech Caltech Caltech Pasadena Ice Center Cal Lutheran Cal Lutheran Redlands Caltech Pomona-Pitzer Caltech Caltech Cerritos Redlands Cerritos Cal State Long Beach Caltech Occidental LaVerne Caltech Culver City Cerritos San Diego Sports Arena

Location

Caltech

Pomona-Pitzer



Feb 23

Feb 23

Feb 23

Feb 24

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