



*"I have no mouth, but I must scream."*

## Jet Propulsion Lab Faces Uncertain Future

from JPL's Universe

Caltech and JPL this week delivered to NASA the Phase B contingency plan with recommendations on how the Laboratory could best respond to a continued lapse in federal funding.

The heart of the Phase B plan is to protect JPL employees and contractors and the Laboratory's efforts as a whole by conserving available funds now to extend all, not just some, of JPL tasks as long as possible, until about mid-May. At that time, in a worst-case situation of a continued lapse of funding, the Phase B proposal recommends that all JPL work and all JPL employees would simultaneously begin the termination process.

Caltech General Counsel Harry M. Yohalem stated in a letter to NASA that "a very

important factor in developing this plan is the assumption that any lapse in funding would be temporary, non permanent, and consequently that irreversible damage to the capabilities of our staff and our suppliers is to be

*Already, JPL has eliminated many discretionary expenses.*

avoided to the maximum extent possible."

The proposed plan calls for continued curbs on expenditures but with no task terminations or layoffs taking place until only enough funds were remaining to cover lay-off pay and accrued vacation costs for all JPL employees. The Phase B plan divides

the Lab's tasks into time-critical ("excepted" from a partial shutdown) and non-time critical tasks ("non-excepted" from a partial shutdown.) Approximately 66 percent of the funds and 58 percent of the JPL workforce are in the excepted category. Analysis showed that excepted tasks could not be funded for the remainder of the fiscal year with the funds on hand even if the partial shutdown were initiated now.

"Under these circumstances, we could find no criterion for selecting any particular date to shut down non-excepted tasks in advance of excepted tasks," Yohalem wrote. "In fact, delaying the shutdown date for all work provides the maximum time for a resolution of the budget crisis before we are forced to take actions that could irreversibly damage NASA's work."

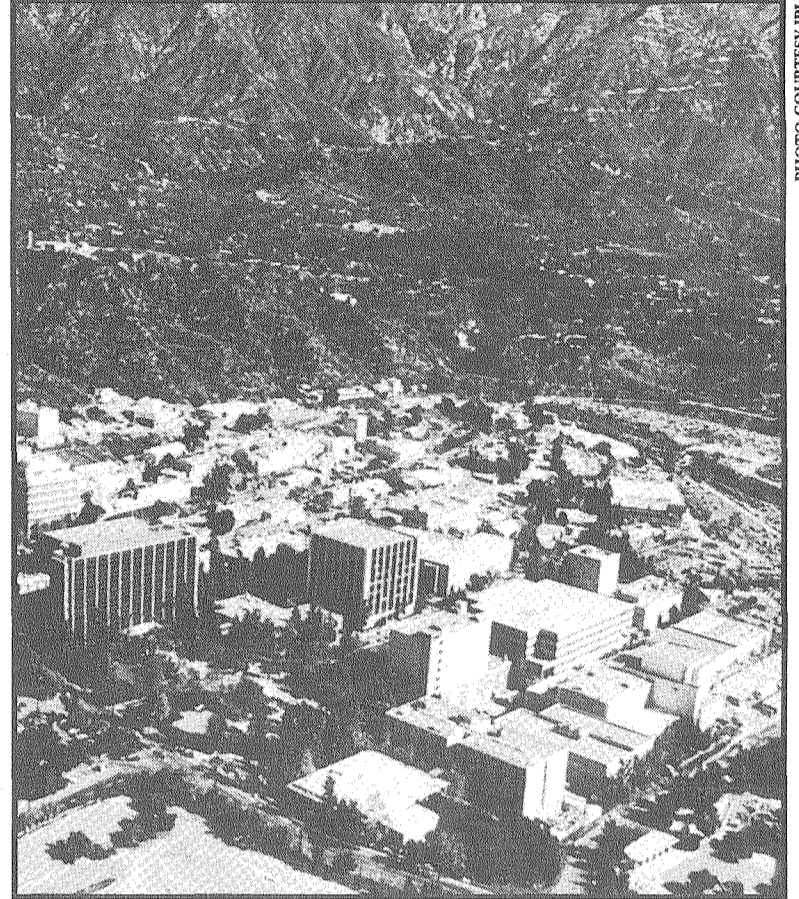


PHOTO COURTESY JPL

The Jet Propulsion Lab

## Relyea, Satterwhite Favored in ASCIT Preliminary Results

*Results tend towards status quo in bylaw changes*

by Tanya Tickel

The ASCIT president-elect, Junior Dave Relyea, and Board of Control (BoC) chair-elect Maria Satterwhite, a Sophomore, will be running two of the organizations that most broadly affect undergraduate student life at Caltech.

Elections for these offices were held on January 22, along with three proposed amendments to the ASCIT bylaws. The voting undergraduates decided against a five dollar ASCIT dues increase, for the separation of BoC chair and ASCIT vice-president, and for an amendment to the ASCIT voting procedures.

Relyea, the present ASCIT secretary, reminisced about his memories of the most important function of ASCIT president, "My freshman year, ASCIT donuts were a Ruddock thing there was just me and every other Rudd... Sophomore year I stopped going because it was too early. But now I have to go get them."

After donuts, the main function of the ASCIT president is to address anything that involves the administration or that is beyond the scope of house activities, such as how administrative officials are treating the students. Relyea would like to hold a faculty-student conference during his term, where students and faculty can exchange ideas and discuss the classes and programs at the institute.

"Theoretically," said Relyea, "there should be a faculty-student conference every two years, but there hasn't been one in a few years." This lack of interest seems to have characterized previous years of ASCIT elec-

tions, since Relyea is actively encouraging people to run for office.

"I want lots of people to run for ASCIT offices, because I want good candidates." He is also hoping to raise student awareness of ASCIT's many functions: "I'd like to have students better understand what ASCIT does, like maybe by writing in the Tech." In addition to keeping students informed, Relyea would like to keep ASCIT informed by posing this question to the student body: "What do students want from ASCIT that ASCIT doesn't already give them?"

He refined this question by saying, "We know everyone affiliated with a house will request stuff for the house, and everyone affiliated with a group will request stuff for the group, but what can ASCIT do that would be for everyone?"

Those who have input for ASCIT are invited to attend the weekly meetings held in the Student Activities Center (the SAC) room 64 every Monday evening at 10:00 p.m. "Please come," said Relyea. "There's no more ugly furniture."

Satterwhite, presently a member of the BoC, has great respect for Caltech's honor system: "I have friends at other schools, and they say things like, 'oh, we have an honor code... but nobody really follows it, and it's basically controlled by the administration.'" The system we have at Caltech is very unique because the undergraduate student body is trusted with the responsibility of making the honor code work," she said.

She would like to encourage more discussion about the honor code by possibly having an open meeting (not a hearing) to discuss how things are done, address concerns, and just get feedback

about how well the student body thinks the honor code is working.

In previous years, discussions similar to these were held during third term after dinner in each of the houses, but these meetings were not very well attended. Satterwhite hopes that this, or some other new format for the meetings will facilitate discussion so that students may have more of an opportunity to voice their concerns about the honor code and the Board of Control.

All of us have a responsibility to make the honor code work. Every time we take an exam and every time we fill out a guest card at dinner, we are maintaining the high standards of Caltech's honor system...

At any time, those wishing to comment on anything about the BoC, who have comments about the honor code, or who would like to report a possible honor code violation should call extension 6200.

There is some controversy over the legitimacy of the election procedure which approved separating the positions of BoC chair and ASCIT vice-president. Until the conflict is resolved, both offices will remain combined as one.

The final amendment, fixing a mathematical error in the ASCIT vote calculation, was passed. Relyea is amused that at an institute where students are supposedly intelligent, about 25% of the votes were negative: "I think that it is ironic that one fourth of the people hate amendments enough to vote no on a thing that can be mathematically proven to be incorrect."

## ASCIT Sign-ups Posted

Sign-ups for the offices of: ASCIT Secretary, ASCIT Treasurer, IHC Chairman, Director for Academic Affairs, ASCIT Social Director, Upperclass Director-At-Large, Freshman Director-At Large, ASCIT Ath Man, BOC Secretary, and Tech Editors are up! Sign up in the Winnett Quad (on the side of Residence Life), e-mail Dave Relyea at [relyea@cco](mailto:relyea@cco), and write a statement for the Tech. Now. Make something of yourself before it's too late.

*David Relyea*  
(still the) ASCIT Secretary

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# The Outside World

by Myfanwy Callahan

**Beijing, China** — The Chinese government has made it perfectly clear to the US that it may take action against Taiwan after the island's first democratic elections. They have threatened a missile attack to counter what they see as a drive for independence, but their threat is not taken too seriously.

**Manama, Bahrain** — The Bahrain Defense Force arrested several people Tuesday in an effort to quell anti-government protests taking the form of riots, fires, and sabotage. Eight opposition leaders were arrested and accused of plotting to destabilize security in Bahrain.

**Sarajevo, Bosnia and Herzegovina** — US forces heightened security in Bosnia Tuesday after re-

ceiving intelligence reports warning of possible attacks from militant Muslim groups. The attacks are meant as retaliation for the life sentence given to Sheik Omar Abdel Rahman in New York.

**Tel Aviv, Israel** — Yitzhak Rabin's assassin, Yigal Amir, admitted today that he intended to paralyze the prime minister, not kill him. Thus, he would not be guilty of premeditated murder. When asked why he shot 3 times, Amir replied, "Just to make sure I hit him."

**Tokyo, Japan** — Japan's trade surplus shrank for the first time in five years. The Government reported Wednesday that the merchandise trade surplus dropped 11.4% in the last year. This may improve

sensitive trade relations with the US.

**Los Angeles** — The University of California system has postponed the ban on affirmative action so that it takes effect in the fall of 1998 instead of '97 as previously planned. UC officials wanted more time to change the admissions materials coming out this spring, but Gov. Wilson accused them of dragging their feet without good reason.

**Washington, D.C.** — In his State of the Union Message, Clinton bypassed the subject of the current budget talks to consider the future. Stating that the "era of big government is over" he hoped that Democrats and Republicans can work together better in the future.

# IHC Minutes

Minutes of the IHC meeting: January 18 1996

Present: Tom, Laura, Brian, Nestor, Art, Bill, Vogel, Alison, Francois (Bill Penn).

- Alison introduces Bill (Francois) Penn and leaves. I have no idea why Dave Relyea calls him Francois... I just stole the idea.
- Steve Koonin will be coming to dinner in all the houses. He wants to have discussion before and after dinner and he doesn't want anything thrown at him. This will mainly effect the new presidents.
- We decide that it would be a good idea to put our survey on the house system in the Tech.
- Tom says something about an alumni survey (I missed it) — but let him know by Feb 1st.
- There is an intercultural workshop on the 25th at the Ath from 1-4:30 p.m.
- They want two IHC representatives to attend. Tom and I don't have anything better to do so we agree to go.

"Some free roaming cats will just sit in a microwave" — wisdom from Francois,

This is going to be a fun year on IHC...



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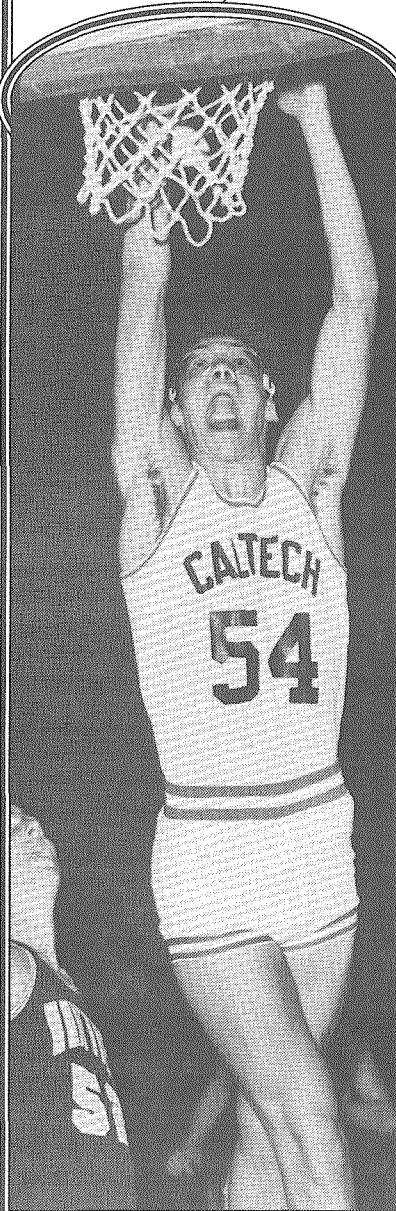
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When I think back on all the crap I learned in High School, it's a wonder I can think at all...And though my lack of Education hasn't hurt me none, I can read the writing on the wall.—Paul Simon ("God")  
Wei-Hwa walked in once

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**YNEWS**

by Donna Ebenstein

Wellness Week, brought to you by the Counseling Center and numerous other campus organizations, is culminating this weekend with the Health Fair this afternoon, Family Night this evening, and the Senseless Death Comedy Night on Saturday night from 9-11 PM. All these events are in or near Winnett Lounge.

A few ongoing things at the Y that you might be interested in... there are mountain biking trips every Thursday at 2:30 PM and, as always, we rent camping equipment and sell discount tickets to movie theaters and theme parks. Also, stop by the Y and talk to Athena to find out about all the volunteer opportunities available on and off campus.

Have a great weekend and get out and do something fun!



**A.S.C.I.T.**  
*Minutes*

Official ASCIT minutes of 1/22/96

Present: James, Dave, Laura, Melissa, Tom, Alain Inugal, Greg (late)

Present to count ballots: Kara (Swedlow), Jon (McDunn), Christina (too long to put in the minutes), Sam (Foster)

- Ballot counters take the ballots plus \$600 in cash and depart for Hawaii.

- Tom mentions briefly that Ditch Day might be on Tuesday. Dave mentions that he has to call lots of people. He hasn't done this yet. Laura needs

to mop up spilt toner. I won't make the crying gag. I won't. It's BENEATH ME. The BOD members present discuss the Faculty Board meeting that Dave and Jon attended.

- Greg shows up. Alain asks for \$150 for NSBE for activities relating to Black History Month. We promise him at least \$300, as there will be MANY events open to the entire campus, and quite a few of them should be well-attended. Dave suggests Alain go to the Alumni Association, and James suggests that Alain go to Morgan Kousser in SS.

- Elections suck. Sorry. They "stink". (For all those mothers who believe that

"suck" is a swear)

- Melissa mentions that a Club Latino is organizing a 3 day art show in early February. The show will highlight the works of more than 30 artists, and there will be a casual, dignified reception on Friday night for the Caltech community, followed by a raging party (raging international band) (they sing in Swahili) (and if anyone wants these minutes in Swahili, they'd best contact a translator) (parentheses). Melissa, on behalf of Club Latino, asks for \$100, and we give her \$150.

- Christina Molodowitch enters and violently assaults the BOD. Amidst the confusion, she retrieves a Little T and leaves the room in chaos and disarray (none of this is true) (except the part about the room).

- Greg will hold an ASCIT Social hour this Friday (TODAY) somewhere.

- This meeting was brought to you by the letter "L", and Greg.

UNOFFICIALLY,

*David Relyea:*

ASCIT Secretary and Poodle Hunter.

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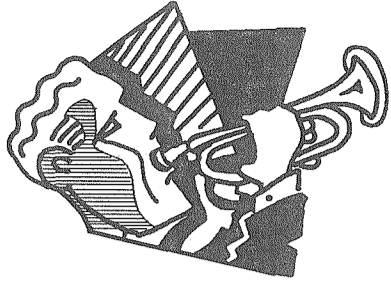
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# Jim's CD Reviews

by Jim Pierce

The CD's reviewed are all ones that I liked enough to buy, and as a result, the starring scheme is a little weird. it works like this:

- Ø- a gift, saved only to be a ride chaser
- ★- it's okay, so I keep it around for those occasional urges
- ★★ - it's pretty good, but either not great or not my usual genera
- ★★★ - it's good, gets listened to regularly, and I plug it to friends
- ★★★★ - it's really good and spends more than its share of time in the player.
- ★★★★★ - it's absolutely awesome and I can't live without it. (note that there are not very many CDs that make it this high.)

mean=3, std dev=1

The halves are because I can never make up my mind. if you want any more info on any CD, or think I should hear one of yours, just drop on by my room (Dabney 11) or email me (jpierce@ugcs).

**NEW! NEW! NEW! NEW! NEW! NEW!**  
**Tori Amos - Boys for Pele**

*Boys for Pele* is a damn good album with eighteen tracks of Tori at her best. Musically, it follows the progression from *Little Earthquakes*, relatively raw sounding, to *Under the Pink*, smoother, and now *Boys for Pele* is musically more smooth than *Under the Pink*, with lots of harpsicord, and even a cool "Mr. Zebra", where she is backed by the Black Dyke Mills Brass Bands. Lyrically, she's not as happy as *Under the Pink*, but not as bitter as *Little Earthquakes*. From the first song the album sings to every emotion in your body like only Tori can. Each new track brings a bunch of new feelings and thoughts. She uses a bunch of new musical ideas, like bagpipes and Brass Band. The coolest was the Bull on Professional widow. ★★★★★

**The Aphex Twin - Selected Ambient Works, Volume II**

In some places, this album is sad; in some places, it's happy; in some places, it's scary. This two CD set is perfect for chilling out in an altered

state. The music is meditative and complete. There are tracks where the bass picks up and the beat pushes your brain forward, other times, the music drifts away into bits of silence and lets your ears diverge into infinity. It's certainly some of the Aphex Twin's best stuff, and one of their more popular ambient albums. ★★

**The Aphex Twin - Ventolin**

Despite claiming that this CD is a single, and that it is a bunch of mixes of ventolin, it's pretty good. Some of the mixes are way too whiney, but the majority of the songs claiming to be ventolin are pretty cool. Lots of drums, not too much treble. It's also much much longer than a single, with 12 tracks, each over 4 min. (except #2, but there are two 7 min. tracks, so who's counting.) If you like ventolin, be wary, this CD is more like another album with ventolin on it. ★★

**Armageddon Dildos - Everyday is like sunday**

These guys are a couple of goofballs. They stole a couple of lines from Morrissey, and then added a country sample at the beginning of this single, and then tried too many different beats and too many different keyboard sounds. I keep it around because the last mix is actually pretty good. It was worth \$2.50, but not \$3.99. Every once in a while I have the urge to listen to the not-quite-industrial-but-not-anything-else-either-i-missed-the-80's song. ★★

**Arrested Development - 3 years, 5 months, and 2 days in the life of...**

This was one of the last rap CDs I ever purchased. It has some religious overtones and occasional creative samples, but other than the incredibly well known songs (like "Tennessee" and "Mr. Wendal") the rest is repetitive and dull, with no interesting samples and the same beat. Speech has raised some valid points in songs like "Mr.. Wendal" and people everyday, but becomes cliché in "Give a man a fis", and silly in "dawn of the dreads". I slaughtered innocent millions today. It was okay.★★

**Autechre - Anti-EP**

There is a potential law in Great Britain that states something like "we can arrest, fine, and jail people if they are in groups of more than six, with music over some decibel level that has repetitive beats. The idea was to break up raves and crack (no pun) down on drug use. Autechre wrote a song with no repetitive beats. It is so cool, I can't begin to explain it without Ph 2a. They have 12 or 13 modes of rhythm waves that are superposed to form non-repetitive beats. (that actually repeat every once in a while, but there are bridges to beat that). Some computer magic, and 'voila!' this song rules. "lost" is another good one, and "Djarum" is okay. The non-repetitive beat "flutter," though, is a necessity. ★★★★★

**Autechre - Amber**

Amber is a wonderful example of smooth ambient. Whereas the Aphex Twin has a raw, shrill side to most of its music, Autechre is generally much smoother (I like that). This is a good ambient album, and it comes highly recommended from ambient-I. The echo effect and smooth baseline are appropriately used, and this album flows. The pictures in the booklet are particularly cool, too. Are you ready to flow? (a buck to anyone who got that one...) ★★

**Autechre - Anvil Vapor**

I was fooled into paying more than this was worth. The CD is okay, but it's only a single, not a whole disc. I got it at Poo-Bahs, but it was still 9 bucks. It's 35 minutes of more beep-beep-boop-boop than Autechre uses in an album. If you like their techno, then it is indicative of their style and you'll like it; if on the other hand, you prefer their ambient, it's a waste. I like the sonar pings on track 4, though. ★★

until later - JP

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# Opiate of the Masses

Four-Star Super Bowl Special!!

by Joe Trela

Once again, the last weekend of January bears down upon us with the awesome momentum of the half-crazed cow of Destiny dropped from the helicopter of Father Time. And with it, of course, comes the redigested cud that is Super Bowl XXX, with the Pittsburgh Steelers playing the Dallas Cowboys for only the third time in the 128 years of the Series, er, Bowl. Won't that be nifty! And here, using the top-secret experimental tachyon device that makes up the heart of the Lauritsen Building, we take a peek ahead to this Sunday's matchup:

**2043 - Tempe, Arizona, after the robot holocaust:** As mutants and cyborg warriors stalk the blasted ruins of the United States, a ragged yet cheeky band of survivors led by Carrie "the Griffin" head west on Route 66 in an armored personnel carrier and attempt to make it to Pasadena. There, at the Temple of Pain, they will confront the leader of the Theocracy of C and the instigator of this nuclear nightmare. His name - Eric Ur #^)\*&(\$\*\*\*NO CARRIER\*\*\*

Whoops, we went just a smidge too far ahead! For the good of the space-time continuum (and to avoid turning this into a cheesy Deep Space Nine episode), please forget all you have seen while we juggle the focus a little. That's much better. Let's try this again, shall we?

**Pre-Game Activity:** 24 hours before the game starts, the biggest story off the field is the Arizona blue law that forbids beer sales on premises; a car buff who drove to the game in an ethanol-powered car parks at a shopping center and returns to find the fuel tank ripped out with can openers littering the scene. Meanwhile, following in the footsteps (although some would say shamelessly copying) the successful Fox computer-enhanced puck on the NHL All-Star Game, NBC introduces its own special gimmick: a glowing radium-dipped football. This advance, co-developed with the NFL, is also expected to make quarterbacks more eager to throw long bombs and increase scoring. Four hours before the game and only seven hours after the pre-pre-game show starts, the first ever Super Bowl skills competition, with trash-talking, end-zone dancing and Disneyland-going, takes place. The grand champion - John Wayne Bobbitt, of course, proving that you have to be a cut above the rest to get beyond your 15 minutes of fame.

(By the way, that will be the only Bobbitt joke I will ever make in this paper. Ever. Just letting you know so you won't feel detached.)

At game time, Vanessa Williams, the first black Miss America and oddly enough both the only one to be stripped of her crown and to have any significant career in the entertainment industry beyond a guest star appearance in *Fantasy Island*, begins to sing the national anthem. Suddenly, Evan Mecham, the ex-governor of Arizona who was famous during his term of office for standing up for people who don't feel like getting Martin Luther King, Jr.'s birthday off from work, rides onto the field on a white horse with members of the Sons of the Gestapo and the local White Citizens' Council in order to "stop this travesty and bring Kathie Lee Gifford back to her rightful place." Unfortunately for the spirits of the Liberty Lobby attendees at the game, his horse accidentally tramples the radium-impregnated football, which explodes in a shower of beta particles and ends the struggle for States' Rights once and for all. After a Geiger counter sweep of the field, a few thousand bucks from NBC to the local EPA representative and a quick decontamination shower for the refs, the game is a go!!!

**First Quarter:** At the coin toss, representatives from all the other symmetrical Super Bowls (I,II,III,V,X,XIX and XX)

are there as honorary co-captains, yet they all manage to promote their new books as well. Dallas wins the toss and scores two touchdowns within the first four minutes, while Pittsburgh gets negative eight yards in total offense. In particular, Deion Sanders infuriates the Steelers when he catches a long bomb, runs to his own one-yard line and then runs back to the Steelers end zone for the TD. Near despair, Bill Cowher releases his secret weapon for the Pittsburgh front four. Certain players are outfitted with cheeseburger-scented jerseys (a breakthrough originally developed by the Green Bay Packers that was freely donated by a vengeful Mike Holmgren); the Dallas offensive line instinctively keys on that member and the other linemen have a free shot at the backfield. Before Barry Switzer counters with between-play snacks for his line, the Steelers manage to force two safeties; unfortunately, Greg Lloyd suffers severe lacerations from hungry Dallas players and is forced to leave the game.

Score: Dallas 14, Pittsburgh 4

**Second Quarter:** This quarter is largely a boring defensive struggle as the Dallas offense cools down and Neil O'Donnel still can't get anything done; the action on the sidelines heats up however, when a scuffle breaks out between Joe Namath from the coin flip team and Deion Sanders over which is less manly, pantyhose or jewelry. Eventually Deion goes after him, but he can't tackle or build up enough momentum to knock Namath over, so he keeps running into Broadway Joe and bouncing off, sort of like a moth to a lamp. With 38 seconds left in the half and fourth and one on their own 38, Cowboys Coach Barry Switzer calls for an Emmitt Smith run down the middle. He is held for no gain, but Erik Williams is held also, so he gets to run the play over again. Just as he starts to call in the exact same play, a tiny voice in the back of his cerebellum calls out, "No, Barry, don't do it. That is BAD! BAD DOG!" Startled, he recovers and calls for the punt, relieved that he can't be blamed for a bad call this time. The snap is bobbled, the punt is blocked and Pittsburgh runs it back for a touchdown. As Coach Switzer pounds a dent into the grass with his head in frustration, he doesn't notice a bi-plane writing a motto in the sky in linseed oil: "MENE MENE TEKEL - THERE AIN'T NO JUSTICE!!!"

Inside the cockpit, sunlight glints off a certain famous hairdo...

Score: Dallas 14, Pittsburgh 11

**Halftime:** The halftime show, "Arizona, Queen of the Desert" is sponsored by the Friends of Hoover Dam, the Arizona Militia, the Draft Barry Goldwater in '96 Society and Toyota; the general decor is all of Arizona's natural landmarks, from Four Corners to the Colorado River Pipeline. It's as boring as halftime shows ever get, what with Pat Boone standing at the edge of Lake Havasu and singing Mariah Carey's "Festival" and so forth, until a catwalk collapses and dumps all eight members of Up With People into the model of Meteor Crater and onto Rocket Man, who is preparing for his first major gig since the '84 Olympics. After the resulting explosion, Rocket Man lands, slightly singed but mostly intact, in the Lake Havasu display, but the unfortunate singing-and-dancing troupe learn the true meaning of "the contents of a human spilled" as they plummet onto the razor-edged stumps of the Petrified Tree Forest, a model of a Styracosaurus and

the 14-foot "Saguaro-Bot", all brought to you by the American Cactus Association.

On television, Bud Bowl VIII comes to an unusual end as the results of a survey conducted through the Internet are put into action. By the decision of Budweiser's secret Czech masters to go along with overwhelming public sentiment, every advertising executive, pitchman, script hack, actor, beer bottle animator and gofer who was responsible for the 8-year long campaign is parachuted into Chelyabinsk-43, an old Soviet nuclear test site, to witness firsthand one last exception (UN approved) to the Nuclear Test Ban Treaty.

In addition, designer Calvin Klein introduces the first billion-dollar commercial, an ad for his new Syzygy line of perfume that consists of barely-age of consent male and female models burning, breaking, eating and otherwise doing bad things to millions of dollars worth of fine art, cultural heirlooms, jewelry and other valuable items while *still* managing to look like they haven't seen a meal in a week. The climax occurs when Kate Moss attempts to bash the Hope Diamond into powder but collapses from heart failure while trying to lift a sledgehammer. As she falls, Fabio appears, finishes off the priceless gem with a monkey wrench and sweeps the resultant dust into a bottle of Syzygy with the charred remains of the United States Constitution. Over the next two months, sales increase by \$16,000 (or 0.000016% of the price of the commercial) and Mr. Klein begins basket weaving as an occupational therapy.

**Third Quarter:** Kordell "Slash" Stewart, the quarterback/option back/wide receiver/master of long division, sets a Super Bowl record by becoming the only player to gain yards during the Steelers' first offensive series. He runs for 76 yards and passes to himself for 18, courtesy of the elastic properties of Leon Lett's butt cheeks. However, Lett rehabilitates himself by recovering a Neil O'Donnel fumble. True, he fumbles it on the Pittsburgh 15 when he pulls a muscle while patting himself on the back, but it does set up a field goal that puts Dallas only one point behind.

Score: Pittsburgh 18, Dallas 17

**Fourth Quarter:** True to the fears of Jerry Jones, Kordell Stewart gains an unfair advantage with his helmet transmitter, but in a way almost too terrible to mention in a family publication like this. Steelers technicians fit 30 kW microwave transmitters into both his helmet and that of Neil O'Donnel, and their opportunity comes when they pass by Troy Aikman when the Steelers lose possession on 4th down. They manage to get the Cowboys' quarterback between them, catch him in a crossfire and fry his brain like a bratwurst in Oktober; unfortunately, the untested heat sinks on both devices fail and it is *three* limp figures that drop to the grass like laundry bags full of old jocks.

This situations hurts the Cowboys more than the Steelers; although Wade Wilson is a good backup quarterback under normal conditions, he is a Minnesota Viking and is not allowed to win a Super Bowl under any circumstances. Despite getting the ball four times, an astounding series of coincidences (including a M 5.3 earthquake in a tectonically dead zone) Dallas fails to score while Pittsburgh manages an 8-yard scoring drive with Mike Tomczak at the

helm. With 36 seconds left, Coach Switzer is down by nine with 4th and 20 on his own 18 when suddenly a red-and-gold blossom opens in the amethyst Arizona sky. As spotlights center on the parachuting figure, the crowd buzzes with excitement and speculation. It's a bird! It's a plane! It's that jerk who keeps parachuting into sporting events! Let's get him!

No, it's Jimmy Johnson, who borrowed \$8 million from Wayne Huzienga to rent the Cowboys for one last crack at glory with a team not from Florida! Tanned, rested and ready, he slides down the upper wall of the stadium, tears down the aisle and jumps to the grass. Seizing the now-glossoloniae Barry Switzer (that's speaking in tongues for you applied math majors) by the scruff of the neck and giving him a love sweat with his polymerized hair, he physically throws Switzer into the back of the giant-helmet ambulance at the end of the field. Then, eyes blazing with the fire of the righteous man, a whistle in one hand and a sure-fire play in the other, he motions toward two figures with domino masks and announces in a booming voice to his cheering Cowboys, "Hey everybody!!! I brought two players with me!!! The first figure removes his mask to reveal Dan Marino, one of the best quarterbacks ever and a man hungry for victory. The second...Bryan Cox. The volatile Dolphins linebacker immediately starts spitting on the Steelers' backers who line the ground-level seats behind the sidelines. This infuriates the Metalheads, but it panics the locals, who mistake the effluvia for a rainstorm and, fearing a flash flood, stampede for the higher parts of the stadium. Despite working in an entirely different system, with people he's never met and plays he's never heard of, Marion fires off a bomb to Michael Irwin, who catches it at midfield just as the clock reads 0:00, burns by the Pittsburgh secondary and makes the touchdown. The team immediately sets up for the two point try and overtime. Emmitt Smith sweeps right, and it's clear sailing when, out of nowhere, a Steeler on the sideline sticks his leg out and trips Smith up at the eight. The Dallas fans cheer, expecting an interference call and an automatic score, when the umpire turns on his mike and solemnly announces, "I didn't see nothing!" Chaos erupts as the final gun barks...

**Final Score: Pittsburgh 25, Dallas 23**

**After the Game:** In the Steelers locker room at Sun Devil Stadium, Paul "Tickety-Boo" Tagliabue makes the presentation of the Vince Lombardi MVP Trophy to...the Unknown Steeler who tripped up Michael Irwin. He takes the "Man of the Year" position that Time Magazine uses to defend some of its more controversial selections, explaining that while the move was obviously illegal, it wasn't officially called as such and it *was* the pivotal play of the game. Since the awardee is obviously reluctant to show his head in a stadium still filled with 50,000 angry Cowboys fans, it is announced that the trophy will be welded to the statue of Art Rooney that stands in front of the Steelers' main offices. As cheers rise up, the champagne (and gruel for the de-celebrated Stewart and O'Donnel) flows.

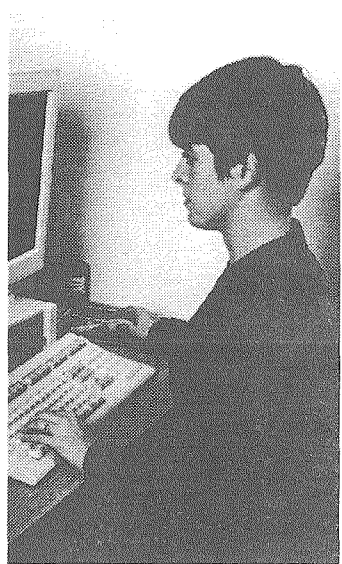
Meanwhile, in the Dallas locker room, Barry Switzer stands in front of what appears to be a superannated water heater. He announces that it is a time machine that will help him set straight the proper course of history, steps in and vanishes in a puff of cordonite. Dammit, this has turned into a bad DS9 episode! Damn you... damn you all to hell!!!

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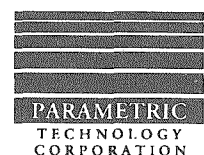
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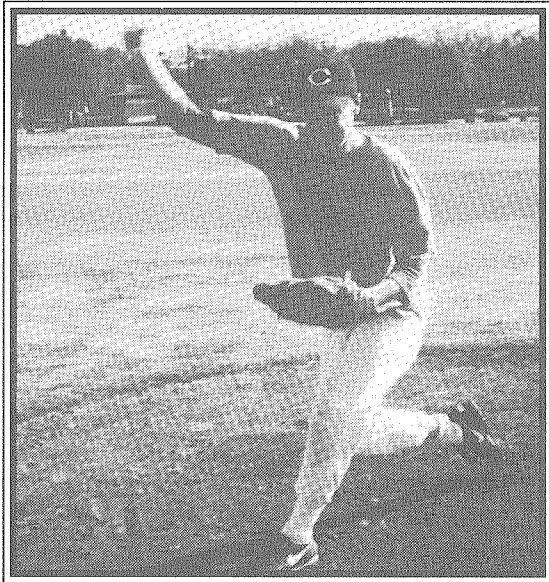
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# ATHLETIC ACCOLADES

BY ANGIE BEALKO

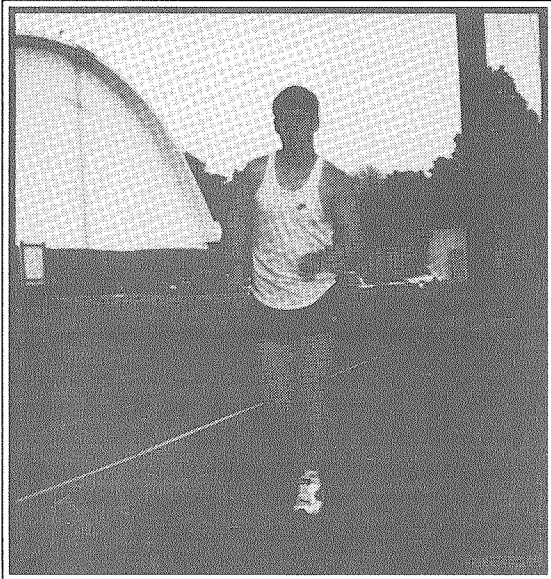
## Home Run

You would be hard pressed to catch a glimpse of Jon Wesselmann without his Braves hat on top of his head. You'd also be hard pressed to get him to give up the chance to play baseball every day. For the past four years Jon has been a starter on the Varsity Baseball team for Caltech. Over that time he has managed to earn the Freshman of the Year award, the MVP award his junior year, and 2nd team All-Conference during his junior year as well. He splits his time between pitching and playing outfield. Not only is he one of Caltech's strongest players, he's also the team captain for the second year. He is one of the most passionate athletes you'll find at Caltech. Mr. Wesselmann played throughout high school as well, and captured the MVP title his junior year there too. Jon hails from Woodstock, Georgia. He currently plans to further his applied physics education in graduate school next year. Look for Jon to try for a 1st team All-Conference selection as he leads his team through the season. Come out on Friday afternoons and Saturday mornings to see Jon and his teammates take the field.



## A Need For Speed

What can gaining fifty pounds and growing eight inches over four years do for your athletic prowess? Just ask Senior Tom Dmukauskas. After entering Caltech at 5'4" and 100 pounds, Tom has blossomed into the incredibly cut runner that he is today. Despite only making it into the varsity cross country line-up a couple of times in high school, Mr. Dmukauskas managed to remain in the top 7 at Tech throughout his intercollegiate career. He has helped his team make amazing strides over the past four years. During his final season the cross country team finished 4th in the SCIAC when the preseason polls had picked them to place 8th. Tom finished his cross country career in style saving his best race for last. At the NCAA Western Regional at UCSD he finished 39th in 28:55 (8K), giving everything he had until the very end. Tom has also run track over his career at Tech. This season he plans to focus on the 5K, although he has competed in the 10K, 1500m, 800m, and the 3K steeplechase in the past. Tom hopes to make a strong showing this year after being redshirted last year due to stress fractures in both tibias. Having hated running only in the pool with a wetvest for four months, Mr. Dmukauskas is anxious for this season to begin. His goal for the season is to run in the low 16's in the 5K. Tom is an Engineering and Applied Science major and comes from Cicero, Illinois. He hopes to start next year as a VLSI Design Engineer at Intel's Portland site. Check out Tom and his teammates at the track on Saturdays, as they push to make an even bigger stirring in the SCIAC than they did in cross country.

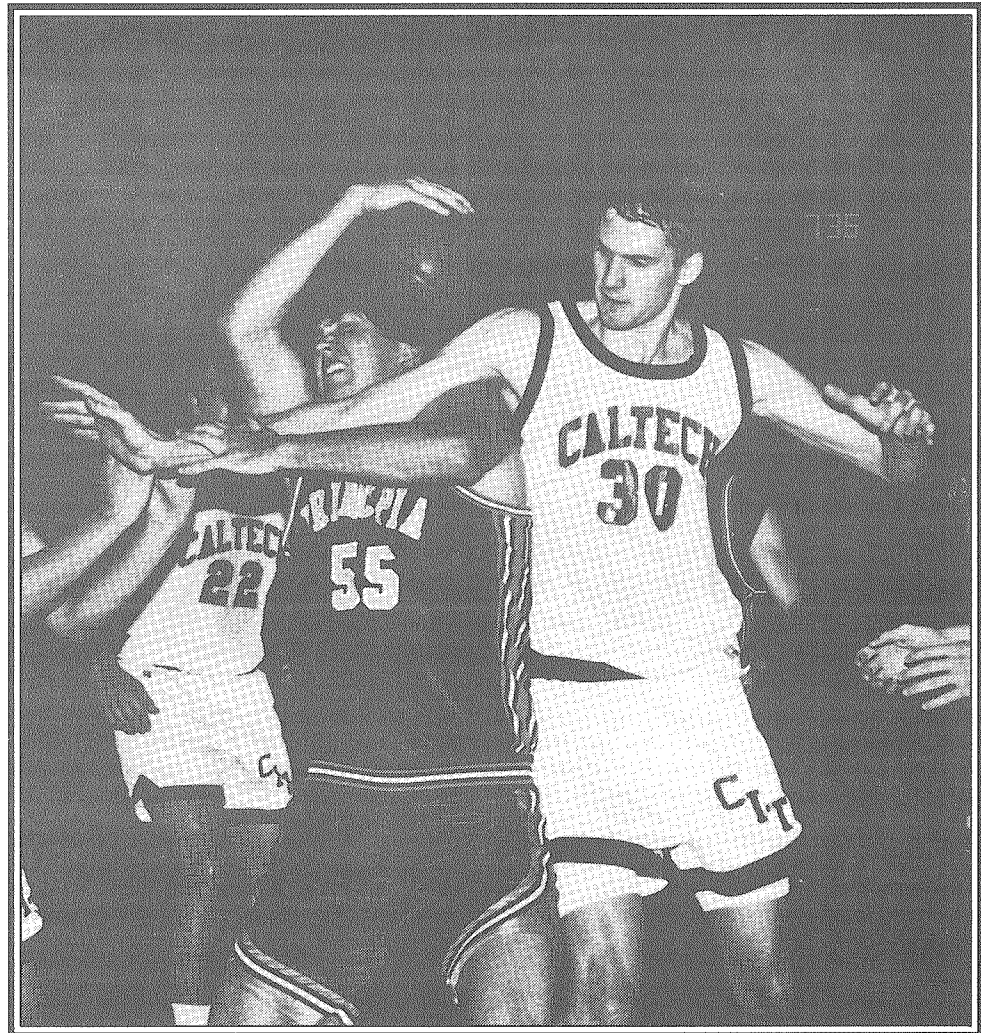


## Men's Basketball Team Falls Just Short

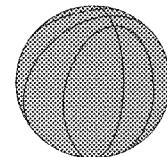
by Denise Gabaldon

On January 17th the Beavers had their home opener in SCIAC against the Redlands Bulldogs. It was a close game from the beginning and Caltech was holding their own throughout. At half time, the score was tied at 28. In the second half the Bulldogs came out strong and pulled ahead, but not for long. CIT kept themselves in it and took it right down to the buzzer. With 10 seconds left, the Beavers were trailing by 5, and their defense pres-

sured Redlands stealing the ball and setting Senior Steve Tsai up for what looked like a 3 pointer, but was only worth 2. Down by 3, and 4 seconds left, Caltech tried to call a time-out but the buzzer went off before they could accomplish it and the Bulldogs went home with the win 62-59. High scorer for Tech was Tsai with 19 points. Junior Josh Moats led in assists with 7 and Sophomore Ben Turk led in rebounds with 11.



## The King of Hoops



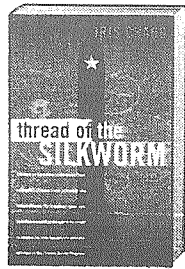
by Angie Bealko

Not many coaches can say that they've coached for nearly half a century. Then again, not many coaches are as passionate about coaching as Men's Varsity Basketball coach Gene Victor. This season marks coach Victor's ninth year as head basketball coach at Caltech, and his forty ninth year of coaching the sport in general. Besides being one of the most winningest coaches in junior college history, Coach Victor has been inducted into the Mount San Antonio College Hall of Fame and received the Southern California Interscholastic Basketball Coaches' Association Merit Award in 1995. He received his B.A. from Fresno State and his

M.S. from Cal State L.A. Coach Victor runs a very tight ship, and he garners a lot of respect for doing so. His team is extremely disciplined and hard working. Having played for him personally I can say that it was one of the most rewarding experiences I've ever had. He stresses quick thinking, fundamentals, and patience. He is also one of the most respected collegiate coaches by his peers. Take off a Wednesday or Saturday evening and come watch him coach the Beavers this year. If you want to learn good solid basketball, take his class on Tuesday and Thursday afternoons from 1 to 2. You'll be glad you did.

## thread of the SILKWORM

by IRIS CHANG



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# Lady Hoopsters Lose a Heartbreaker

by Angie Bealko

If any passerby had walked into the LaSierra gymnasium on Thursday January the 18th, he probably would have thought he was watching rugby instead of basketball. In an intense battle between Caltech and LaSierra, the referees lost control of the game early, making the match-up a free for all jungle ball scene at times. By the end of the game, the official scorer had tallied 49 fouls between the two teams. Twenty seven of those fouls went to Caltech, including two technical fouls. Most of the fouls were called in the second half as the referees frantically tried to regain control. Caltech was ahead for almost the entire match-up. With great defense and solid ball handling, CIT controlled the tempo of the game throughout the first half. Their excellent play sent LaSierra into shock since the opponents had beaten the Beavers by 24 in their last meeting earlier in the season. Sophomore Lori Hsu was the first techer to foul out, leaving the game with 10 minutes left on the clock. A terrible blocking call caused Hsu to question the referee's expertise, which in turn earned her the team's second technical foul (you had to be there to fully enjoy the experience of the scene). The first technical went to Senior Angie Bealko while on the bench. Unfortunately the referee felt a great need to settle the score for earlier remarks made by the senior during the first half (touchy aren't they?). Bealko fouled out (with 6 like Hsu due to the technicals) with 5 minutes remaining in the game. The

other three starters, Junior Ellis Meng, and Sophomores Michaeleen Callahan and Irene Wong also earned enough fouls to put each of them in foul trouble. Meng and Bealko did a fantastic job on the boards, while Hsu, Wong, and Callahan handled the other team's full court press with confidence and poise. Junior Melissa Hampton, Sophomore Katie Stofer, and Freshmen Rachel Steinberger, Joanna

Dodd, and Kara Swedlow all came off the bench with big plays, helping the team out tremendously. Hampton made two key shots at the end of the game to almost put away the win for the Beavers. When it was all over though, the lack of consistent refereeing, and some unfortunate luck caused the lady hoopsters to come up five points short, losing 39-44. Bealko led the scoring with 13 points, fol-

lowed by Meng with 7 and Hsu with 6. Despite ending the season with a loss, it was an amazing year for the Beavers. The team made incredible strides throughout the year, improving at an amazing rate. The should be a force to be reckoned with next year as only one player is graduating, so come on out and support the Ladies Basketball team in the 1996-97 season.

## Upcoming Sports Events

- Saturday 1/27
- Swimming vs. Claremont-Mudd-Scripps at HOME 11 a.m.
  - Baseball vs. Dodger Town at HOME 11 a.m.
  - Men's Tennis vs. Redlands at HOME 1:30 p.m.
  - Men's Basketball vs. Pomona AWAY 7:30 p.m.
- Monday 1/29 Golf vs. Whittier at HOME 1 p.m.
- Wednesday 1/31 Men's Tennis vs. Occidental at HOME 3 p.m.
- Men's Basketball vs. LaVerne at HOME 7:30 p.m.
- Friday 2/2
- Men's Tennis vs. Biola at HOME 3 p.m.
  - Women's Tennis vs. Biola AWAY 3 p.m.

## Scores

- Wednesday 1/17
- Men's Basketball LOST to Redlands 59-62
- Thursday 1/18
- Women's Basketball LOST to La Sierra 39-44
- Saturday 1/20
- Men's & Women's Swimming LOST to Redlands
  - Men's Basketball LOST to Cal Lutheran 51-73

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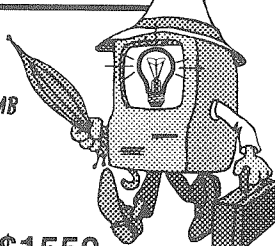


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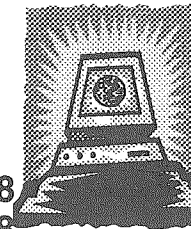


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# דער בולעטין

## Announcements

♦Delta Airlines is offering special "extra credit" student fares as low as \$138 round-trip (and as high as \$318, depending upon locations of travel) for travel between the dates January 26th and March 31st. Tickets are nonrefundable and must be purchased at least seven days before departure, with certain blackout dates. To get these special rates, students are to call Delta at 1-800-9DELTA.

## Events

♦John Whalen will be giving a talk about his recently published book *The 50 Greatest Conspiracies of All Time & Why People Believe Them* on Sunday, January 21st at Baxter Lecture Hall. In his lecture, Whalen will explore why conspiracy theories have become a national obsession and why, at its core, the suspicion that drives the American conspiratorial mindset is kin to a healthy dose of skepticism. To be discussed: all conspiracies from Watergate, JFK, and CIA plots to those saying we never reached the moon and that Hitler is alive and well and living under the Antarctica. A donation of \$5 for students, \$8 for others is asked.

♦Caltech Entrepreneur Club will be having its first meeting of the term on Wednesday January 31st at 6pm in Winnett Clubroom #1. ♦♦FREE♦♦ pizza will be served. We will have nominations for new officers, get our yearbook picture taken, and discuss upcoming events. For more information, please e-mail [jessica@ceca](mailto:jessica@ceca)

♦The next movie to screen in the German Film Series (emphasizing Swiss films this year) is *Violanta* (1977). It will be shown on Wednesday, January 31 in Baxter Lecture Hall at 7:30pm. This film features English subtitles and is presented free of charge. For more information, please call x3610.

♦Duetti D'Amore, a Paco A. Lagerstrom Chamber Music Concert including the talents of soprano Judith Nelson, soprano Randall Wong, and Elaine Thornburgh on harpsichord, will be held on Sunday, February 4th at 3:30pm in the Dabney Lounge. The program includes works by Bach, Strozzi, Hassc, Fontei, Vivaldi, Scarlatti, and Haydn. Admission is free.

♦The 1996 Inter Valley MS Walk is seeking volunteers to help make this fund-raising 10K and 5K walk to be held on April 14th possible throughout the Valley. Volunteers are needed to help planning, assist on the day of the event at registration or at rest stops, and to promote the walk in the area. This walk is the largest

single fund raising events the MS Society holds annually, with the funds raised going to research and to help provide services to the over 7,000 families affected by MS in the area.

♦Dr. Gerald L. Geison, Professor of History at Princeton University, will be giving a Science, Ethics, and Public Policy Seminar entitled *Did Pasteur Cheat? Does it Matter?* on Friday, February 16th at 3:30pm in the Judy Library.

The Caltech Jazz Bands will be holding **An Evening of Latin Jazz** with guest trumpeter Bobby Rodriguez on Saturday, January 27th at the Beckman Auditorium at 8pm. Bobby Rodriguez has played trumpet with greats like Quincy Jones, Ray Brown, Willie Bobo, Chaka Kahn, Louie Bellson, and Pancho Sanchez

A one day **blood drive** will held in the Winnett Student Lounge on Wednesday, January 31st, between 9:15am-2:30pm. To make an appointment, please contact Villa Zmuidzinis at x6001, although walk-ins are welcome and much appreciated.

Dr. William Summers, Professor at the School of Medicine, Yale University, will be holding a Science, Ethics, and Public Policy Seminar entitled *The Prehistory of the Phage School: How Millikan, Mulld and Ellis Brought Bacteriophage to Caltech* on Thursday, February 1st, in the Judy Library at 4pm.

Omer Barov of the Department of History at Rutgers' University will be giving a William Bennett Munro Memorial Seminar on *Industrial Killing: World War I, the Holocaust and Representation* at the Judy Library, first floor of Baxter, on February 8th at 4pm. Refreshments will be served.

## From the Counseling Center

Looking for a safe and supportive place to discuss issues such as coming out, being out, dealing with family, coping with a homophobic culture, and being GLB at Caltech? Want someone just to make new friends? You are invited to the **Gay/Lesbian/Bisexual Support Group**, which meets on the first and third Tuesdays of each month from 7:30pm till 10:00pm in the Health Center lounge. This is a confi-

♦ denotes a new announcement.

dential meeting and attending does not imply anything about a person's sexual orientation—only that he or she is willing to be supportive in this setting. The group usually discusses a particular relevant topic and then moves on to the general discussion. Refreshments are served. If you would like more information, please call x8331.

## Fellowships and Scholarships

♦Finding that Science and Math aren't your only interests? The J.P. Getty Museum understands. In fact, they have a program for people like you: The J.P. Getty Trust is now accepting applications for summer internships from culturally diverse undergraduate students interested in exploring careers in art museums and related areas of the visual arts and the humanities. Students of all academic disciplines are encouraged to apply. The internships can be held at a variety of J.P. Getty locals in the Southland, go from June 17th through August 23rd, and provide a \$3,000 stipend. The deadline for applications is March 4th.

From the Fellowships Advising and Resources Office, extension 2150, e-mail [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu)

The Fellowships Advising Office will be holding a **Work Abroad Meeting** on Thursday, February 1st at 11am in Winnett Club Room 1. Lauren Stolper, Fellowships Advisor and Rosana Gatti, Assistant Director of Career Development, will discuss summer and short term paid work opportunities abroad as well as volunteer opportunities. Spending a summer or part of an academic year working or volunteering abroad can be a tremendously rewarding experience. Options for graduating seniors are also available. Even if you don't plan to go soon, come and find out what's available.

Women who are U.S. citizens can apply for a **travel grant to Sweden** if they plan to study or research in Sweden. More information is available in the Fellowships Advising Office. Students can request an application from The American Women's Club in Sweden, Scholarship Foundation, P.O. Box 12054, S-102 22 Stockholm, Sweden. Be sure to include a self-addressed envelope with your application request.

Summer language fellowships are available

through the **University of Michigan's Japan Technology Program** to students interested in Engineering Science or Management from any U.S. institution. The fellowships are not for study in Japan, but fund study at the University of Michigan's Summer Intensive Japanese Language Program in Ann Arbor. Fellowships include tuition, fees, and a living stipend, but no travel costs.

Work as a volunteer in one or more of 23 countries this summer: Volunteers receive room and board and can work from 2 to 4 weeks on a project. More than one project can be scheduled. Projects include tasks such as restoring a castle, organizing a festival, planting trees, building a playground or implementing a recreation program for children. This program is sponsored by the **Council on International Exchange (CIEE)**. It is a very popular program, and it is highly advisable to apply early. No language skills are needed with the exception of Spanish for Spain and conversational French for North Africa. There is a placement cost of \$195 for one 2-4 week project. Information brochures are available in the Fellowships Office or we would be happy to send you one via campus mail: e-mail your name, the fact that you want an International Volunteer Projects 1996 brochure and your mailcode to [lauren\\_stolper@starbase1.caltech.edu](mailto:lauren_stolper@starbase1.caltech.edu) A listing of last year's volunteer projects is available for review in the office. Note that special fellowships for minority students interested in this program are available through the CIEE.

From the Deans' Office, 102 Parsons-Gates:

♦The Deans' Office is accepting proposals for the **Monticello Foundation and the Robert and Delpha Noland Summer Internships**. Three to five Caltech undergraduate women (current freshmen, sophomores and juniors) will be given an opportunity to participate in research projects outside the Caltech-JPL community for ten weeks during the summer. Each student will receive a \$3,600 stipend. Applicants are required to identify the projects in which they wish to participate. All arrangements with the principal researcher will be the responsibility of the student. Interested? Identify a sponsor for your experience at a research facility for a ten-week period. In a short essay, describe your project, and submit it to the Deans' Office, 102 Parsons-Gates, along with two faculty recommendations. Proposals are due Monday, March 4th, 1996.

The **National Academy for Nuclear Training** awards scholarships to engineering undergraduates with outstanding academic achievement and interest in careers in the nuclear power industry. For the upcoming year, 200 college sophomores, juniors and seniors will be awarded scholarships of \$2,500 each. To be eligible, you must have 3.0 or better GPA and be majoring in one of the following: nuclear engineering, power generation health physics, mechanical, electrical or chemical engineering (with nuclear fission or power options). If interested, contact the Dean of Students Office, 102 Parsons-Gates. The deadline for applying is **February 1st, 1996**.

The **Morris K. Udall Scholarship and Excellence in National Environmental Policy Foundation** has created a scholarship program to attract students into careers in environmental public policy, health care, or tribal public policy. Scholarships are awarded on the basis of merit to students who are sophomores or juniors during the 1995-96 academic year and who have excellent academic records and demonstrated interest in and potential for careers in environmental public policy or are Native Americans or Alaska Natives who have excellent academic records and demonstrated interest in and potential for careers in health care or tribal public policy. The scholarship covers eligible expenses for tuition, fees, books, and room and board to a maximum of \$5,000 for one academic year.

From the Financial Aid Office, 515 S. Wilson, second floor:

The **Korean American Scholarship Foundation, Western Region**, is offering scholarships of \$1,000 to \$2,000 for full-time undergraduate and graduate students of Korean heritage. Application forms are available upon written

request from: KASF Western Region Office, P.O. Box 486, Pacific Palisades, CA 90272. The deadline to apply is **January 31, 1996**.

**GLAMOUR** Magazine announces its **1996 Top Ten College Women Competition**. Women who are currently full-time juniors are invited to submit applications to receive one of ten awards consisting of a cash prize of \$1,000, the opportunity to meet with top professionals in your field, and national recognition in **GLAMOUR's** October 1996 issue. Applications are available in the Financial Aid Office and must be completed and postmarked **no later than January 31, 1996**.

The **American Mensa Education & Research Foundation** announces its 1995-96 Scholarship Essay Contest. Applicants must submit an application/entry form and an essay of fewer than 550 words describing their academic or career goals. Applicants must be U.S. Citizens or permanent residents. Applications must be postmarked on or before **January 31, 1996**.

The **National Academy for Nuclear Training** will be awarding 100 new \$2,500 scholarships for the 1996-97 academic year. Applicants must be U.S. Citizens, sophomores, juniors, or seniors in 1996-97, enrolled full-time, with a minimum GPA of 3.0. Applicants must also be majoring in nuclear fission or electric power-related fields, and must be interested in a career in nuclear power. Applications must be postmarked **no later than February 1, 1996**.

The **College Women's Club of Pasadena** is accepting applications for scholarships for the 1996-97 academic year. The competition is open to both undergraduate and graduate students who are planning to enroll full-time for 1996-97. Women who are U.S. Citizens, who will be at least sophomores in 1996-97, and who have a minimum 3.0 GPA are eligible to apply. Applications are due at the **Financial Aid Office, 515 S. Wilson, on February 8, 1996**.

The **Association of State Dam Safety Officials, Inc.** announces its 1996 Dam Safety Scholarship Program. The scholarships are for a maximum of \$5,000. Eligible applicants must be juniors or seniors in 1996-97, must be U.S. Citizens, and must have cumulative GPAs of 3.0 and be recommended by their academic advisors. Applicants must also be in civil engineering programs or related fields, and must demonstrate an interest in pursuing careers in hydraulics, hydrology, or geotechnical disciplines. Applications and all supporting documents are due **February 15, 1996**.

The **American Society of Naval Engineers (ASNE)** is sponsoring a scholarship program to encourage college students to enter the field of naval engineering. The scholarship amount is \$2,000 for 1996-97. Applicants must be in their senior year of undergraduate studies, or be graduate students working toward a designated engineering or physical science degree. Both graduates and undergraduates must also be enrolled full-time, be U.S. Citizens, and must have demonstrated or expressed a genuine interest in a career in naval engineering. Applications and supporting documents are due **February 15, 1996**.

In 1997, the **Rotary Foundation** will celebrate 50 years of awarding scholarships with the **1997-98 Rotary Foundation Ambassadorial Scholarships**. These are scholarships for students who want to study abroad for 3 months to 2 or 3 years. The scholarships are for study in any field, or to do intensive language training and cultural immersion in certain countries. The maximum award of the Ambassadorial Scholarships is \$22,000 for a year. Interested students should apply to a local Rotary Club (not all Rotary Clubs will offer scholarships every year). Application deadlines are set by individual Rotary Clubs and may be as early as **March, 1996** or as late as **July, 1996**. For more information or for the terms of the scholarships, come to the Financial Aid Office.

The **Society of Women Engineers, Los Angeles Section (SWE-LA)** is pleased to announce their 1996-97 scholarships. In addition, they are announcing a new Microsoft Scholarship specifically for software engineers. Scholarships are available to all women in undergraduate and graduate engineering programs, with special consideration given to those students under unique circumstances and financial need. Applicants must have at least a 3.5 GPA to be eligible. The amount of each scholarship will be \$1,000. All applications and supporting materials must be postmarked **no later than March 30, 1996**.

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