

It's winter again, and that means one thing—the demolition of student housing. Above, workers prepare to move 327 S. Holliston to make way for Avery House.

## Cop some health action during Wellness Week

by Bryce H. Elliott

Wellness Week has come to Caltech. There are activities aplenty during the week of January 24–29. If you participate and don't feel well by the end of the week, you probably never will.

On Monday, the two programs are "Coming Out: What You Always Wanted to Know, But Were Afraid to Ask" and "Easy and Quick." "Coming Out" will have three different activities. At noon, there will be a table on the Olive Walk to provide information, and a videotape of the march on Washington will be played in the Y Lounge. The video will be played again at 5 P.M. in the Y Lounge, and there will be a panel at 7:30, along with cookies and milk, to discuss the risk of coming out. "Easy and Quick" will be from 7 P.M. to 8 P.M. in the Braun Athletic Center. Leslie Linton, Master Chef, will prepare healthy meals for the delight and amusement of the crowd.

Tuesday is a busy day, with "Getting the Most From Your Time," "Personal and Campus Safety Issues," and "Women's Center: Promoting Unity or Disparity?" "Getting the Most From Your Time," part of the Lunch and Learn Series, will run from 12:15 to 1 P.M. in Winnett Club Room 1. Cynthia Knight will be giving a presentation about goal setting, establishing priorities, and identifying and eliminating time wasters. From 4 to 5 P.M., "Personal and Campus Safety Issues" will be discussed in the Eudora Spalding Auditorium. In the Women's Center Lounge from 7 to 9 P.M., the Women's Center Staff will provide cookies and milk and hold an open discussion about the Women's Center role on campus, and how it promotes health and wellness.

On Wednesday, the Lunch and Learn Series continues with "New Year's Resolution: No More Dieting" running from noon to 1 P.M. Nutritionist Jackie Carroll will have a program on why diets don't work, what does work, and conversations regarding understanding your relationship with food and beer. If streamlining your waist isn't enough, then at 7 P.M. in Winnett Lounge there is "Streamlining Your

Stress: How to Help Yourself and Others." Cookies and milk will be provided as Irene Stern, M.A., Cathi Campbell, M.A., an intern at the Caltech Counseling Center, and Mary Morahan-Naples discuss how to manage personal stress and how to help others with stress. Immediately following this program is "Streamline Your Stress with Massage" at 9, as Jason Wang from Cal Poly Pomona demonstrates and practices massage techniques, with more cookies and milk to be had.

Thursday will be a bit of a slowdown, with two programs, "Where Does Your Time Go?: Overcoming Procrastination and Enhancing Time Management" and "Managing Stress Through Biofeedback." "Where Does Your Time Go?" starts at 7:30 in Winnett Lounge—be punctual if you can. Dr. Kevin Austin, Counseling Center Director, will help those who attend identify the reasons they procrastinate and strategies they can use to overcome their procrastination. Cookies, brownies and drinks will be provided. The time management seminar will, hopefully, end around 8:30, since "Managing Stress Through Biofeedback" is scheduled to begin at 8:45. Wayne Henkelmann, M.S., from Self-Regulation Services will give attendees a chance to experience biofeedback, to learn how their bodies react to stress, and how to regulate these physiological reactions to reduce stress, as well as a chance to eat cookies and fruit and drink milk or soda.

Family Night on Friday is the family extravaganza, geared toward students, faculty and staff with children from 1 to 12 years old, or perhaps those students, faculty and staff who simply act those ages. From 5:30 to 7:30 P.M. in Winnett Center, there will be face painting, games and snacks.

The week-ending blowout is on Saturday night in Winnett, where there will be a hypnotist appearing from 8 to 11 P.M. Due to a post-hypnotic suggestion, the organizers of the event cannot remember the name of the hypnotist. There's lots to do, so get well during Wellness Week!

## ASCIT nominations close Tuesday

by David R. Derkits

The nomination period for the ASCIT offices of President, Vice-President/BOC Chair, and *Tech* Editor ends at 5:00 P.M. this Tuesday, 18 January. If you are interested in running for one of these offices, please print your name on the nomination sheet posted on the east side of Winnett (outside the MOSH's office) and follow the directions. A reminder also to those who have already signed up: campaign statements for the *Tech* are due by 5:00 P.M. this Wednesday, 19 January. All nominees are strongly encouraged to submit statements.

The Board of Directors has approved two bylaw amendments for

vote in the Presidential Election. They are:

**Amendment #1**  
**Increase in Price of Big T**  
In Article XIII, Section 5, modify the first sentence to read:  
*Each Corporation member will be assessed thirty-six dollars (\$36) for the Big T, payable on the days of registration at the rate of twelve dollars (\$12) per term.*

(If passed, this change shall take effect at the start of the 1994–95 academic year.)

**Amendment #2**  
**Eliminate the position of Publications Darkroom Chairman**  
Remove Article XIV, Section 16. In Article XIV, Section 2, remove "and the Publication Dark-

room Chairman" and insert "and before "the Editor of *Totem*".

(If passed, this change shall take effect third term 1994.)

Amendment #1 effectively raises the price of the *Big T* from its current level of thirty dollars, at ten dollars per term (the bylaws in the 1993–94 little *t* contain a misprint), to thirty-six dollars, at twelve dollars per term. Amendment #2 formally removes the appointed office of Publications Darkroom Chairman. The duties of this office have diminished significantly over the past two decades, and the BOD feels that the position—with its high salary—is no longer necessary. As usual, a two-thirds affirmative vote is required for passage of each amendment.

## It's part of our past: a look at the history of Caltech's Black students

by Edray Goins

*Note: This is the second in a series of vignettes that will appear throughout the term. They are excerpts of research performed over the past 12 months on "The History of Caltech's Underrepresented Students."*

James Lu Valle's exciting life was off to a grand start, but his career was just beginning. He qualified for the Summer Olympics to be held in Berlin, Germany, less than six months after he was graduated. That year, at least two Negroes would confront the Nazi regime—Jesse Owens was a teammate.

"The Germans adored Jesse," recalled Lu Valle. "When we ar-

rived, the public mobbed him, because just before leaving for Germany, he had set four world records in the United States. In one day."

Lu Valle did not compete with Owens, but ran in the 400 meter race. Coming out of the final turn, Lu Valle was in second place behind Archie Williams, a native of Oakland and a student at the University of California, Berkeley. With only 40 meters to go, Lu Valle appeared to be insured a silver medal. Arthur Godfrey Brown of Great Britain came even closer as the finish line appeared, and eventually passed him. The finish was very close. Brown came within seven inches of Williams, and Lu Valle finished third with a time of

46.8 seconds. This was less than 0.3 seconds of the gold medalist's time.

Lu Valle decided that, even though he had competed in the Olympics and won a bronze medal, he would continue in science. Later that year, he returned to UCLA as a graduate student. He went on to earn master's degrees in both chemistry and physics.

In 1937, just months later, Lu Valle entered Caltech as a doctoral candidate in Chemistry and Mathematics. He worked under Linus Pauling, who would eventually win the Nobel Prize for Chemistry in 1954. According to Lu Valle, "Linus is a great person; he took time and trouble as my research advisor. He did not take on many people, but those he did, he worked closely with."

Lu Valle's career was filled with achievements. After three years, Lu Valle was graduated with doc-

see LU VALLE, page 5

ASCIT and the GSC are throwing a huge party in Winnett Lounge at 9:30 P.M. this Saturday, January 15. The theme is "Night of Decadence," so dress accordingly. Pizza, beverages, and munchies will be provided, so come and mingle with the "other half" of Caltech. There will be a DJ and cool strobe lights, so bring your friends and share the ambience.

## The California Tech

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## letters to the editor

### Washington, Lincoln not Gangsters

Last issue, Friday, January 7 contained an article about Black history by Edray Goins. In the article, it was claimed that both Presidents Washington and Lincoln were either, "our Founding Fathers," or, "Nefarious Gangsters for their work in institutionalizing slavery." Clearly, Lincoln is neither.

Lincoln was elected in 1860, 84 years after Independence was declared. The United States was founded before Lincoln was born, hardly qualifying him as a Founding Father. Also, last time I checked, Lincoln was the man who signed the Emancipation Proclamation, ending legalized slavery, not institutionalizing it.

Mr. Goins year of research may have yielded a wealth of information about The History of Caltech's Under-represented Students, but failed to turn up a few very basic facts about American History. Personally, I feel that it is unfair to characterize any of the men who helped found this great nation as, "Nefarious Gangsters." Virtually every civilization in the history of this planet has had legalized slavery. The Roman Empire, Egypt, China, some American Indians, and some African tribes all had slavery as a part of everyday life.

While we shouldn't be proud of the fact that we helped perpetuate

this violation of fundamental human rights, we should relate slavery in this country to its historical context, and we should recognize that, at various points since the inception of this country, we have corrected our mistakes relating to human rights. Currently, under the law, the rights of all people are protected equally. Instead of dwelling on the errors of the past, let's learn from them and move forward. Instead of assigning blame for problems, let's figure out how to solve them. In my eyes, the remarks about Washington and Lincoln were not necessary to the article, and were intended solely as a character shot to both men, which doesn't solve anything.

Bryce H. Elliott

### King Day Observed

On Monday, January 17, the Caltech Community is invited to attend several events commemorating King Day in honor of the late Dr. Martin Luther King, Jr. This year marks our fifth annual observation of King Day and includes the most extensive array of events to date.

In addition to the noontime musical celebration in Winnett Courtyard (or Ramo Auditorium if it rains) with the Voices of Zoe choral group, the traditional 1 o'clock observance in Ramo will feature two speakers: Dr. Leonard Olguin of Long Beach State and

Dr. Bryant Simon, who is visiting Caltech. Throughout the day, the Caltech Y will present cultural programming in its Winnett offices. Finally, Rev. James Lawson will speak at 4 o'clock in the "Race, Politics, and Religion" seminar series about "Where Do We Go From Here? Chaos or Community?" More detailed information about each of these events is available in the January issue of *On Campus*.

As in past years, when class meeting conflict with the 1 o'clock observance, faculty members are urged to inform their students of this special campus event and to make every effort to accommodate all those who wish to attend. Staff supervisors are also strongly urged to make similar efforts to accommodate any Caltech employees wishing to attend. Members of the Caltech staff who can arrange to attend shall neither be required to take vacation or sick time, nor be required to make up the time spent at the observance.

Thomas E. Everhart  
Institute President

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to [editors@tech.caltech.edu](mailto:editors@tech.caltech.edu).

*The Tech* reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason.

### You are cordially invited

to the weekly *California Tech* staff meeting today at 12:15 P.M. in the Coffeehouse. Free pizza and soda will be served. We are currently looking for a Circulation Manager—if you would like to find out more about the position, we encourage you to attend.

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Ernest Tomlinson

## Ernest Explains

Dear Ernest,

Last summer I worked as a volunteer teacher in Glasgow, Scotland, and on three occasions, a student came to class completely bedaubed in blue paint. Can you explain this odd behavior?

—Stumped

Dear Stumped,

Your students' seeming prankishness is actually an old European tradition, which, coincidentally enough, has its origin in the highlands of Scotland. When Britain was invaded by the Roman legions during the reign of Julius Caesar, the Pict clans were able to drive them back by stripping naked, painting themselves blue, and running over the hills, screaming wildly, at the confused legionaries. The unfortunate soldiers were never able to conquer Scotland, and brought tales of fearsome, blue demons back to Rome with them.

These outlandish stories soon started a fad among the patrician school children—when a boy had not done his work, he would paint himself blue in an attempt to scare the instructor and make him forget about the missed assignment. The practice continued throughout the middle ages, and survives even today in several European cities, including Munich, Brussels, and Glasgow.

In short, your students had not done their work.

Dear Ernest,

When I was a young child, my parents would put Magic Shell dessert topping on my ice cream once in a while, but I never see the stuff any more. Can you tell me anything about this product?

—Waxing Nostalgic

Dear Waxing,

Magic Shell brand dessert topping was sold by the Bethesda Syrup Company of Bethesda, Maryland from 1974 to 1981. The topping, which was poured from a plastic bottle, would solidify into a chocolate crust soon after being exposed to the air because of the rapid evaporation of its liquid carriers, mostly petroleum distillates.

Unfortunately, soon after its introduction, a teenage drug culture sprang up around Magic Shell. The so-called "shellers," mainly concentrated in Colorado and Utah, would gather at friends' houses to "get shelled" by inhaling Magic Shell's potent vapors directly from the bottle. Hundreds of children were hospitalized with burned nasal passages, and three died after drinking large amounts of partially congealed Magic Shell, which solidified in their intestines.

Magic Shell was removed from the market after it was discovered that it contained ozone-depleting chlorofluorocarbons.

*Ernest Tomlinson is a member of the International Guild of Advice Columnists.*

### Mama Jeng's Vision in the Bottom of a Shot Glass



"Dad! Marmaduke's doing his taxes!"

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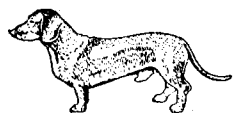
Wim Wenders

### Faraway, So Close

Daily 5:15, 8:30 p.m.  
Sat-Sun Bargain Matinee 2:00 p.m.

## The California Tech

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**Canada**

Daniel Johnson, a fiscal conservative and federalist, was sworn in on January 11 as the new premier of Quebec. His predecessor, Robert Bourassa, resigned for health reasons. Speculations on how Johnson will handle Quebec's French-speaking separatist movement abound.

**Egypt**

Talks continued on Monday between the PLO and Israel after a pause of over two weeks. On Tuesday, Israel agreed to transfer most civilian government functions in the West Bank and Gaza Strip to a self-governing Palestinian body. Security issues are still unresolved.

**Europe**

The expansion of the European Union (formerly known as the European Community) will be discussed on Monday by the European Parliament. Countries that might join the twelve-nation body include Finland, Austria, Norway, and Sweden.

At the NATO summit in Brussels, it was announced that Ukraine has agreed to give up its nuclear arsenal. The agreement between Ukraine and Russia is scheduled to be signed on January 14 in Moscow. However, it must first face the opposition of the Ukrainian Parliament that is controlled by nationalist factions known for their opposition of weapons elimination.

Among the topics discussed at

the NATO summit is the feasibility of military intervention in Bosnia. On Tuesday Clinton and five other leaders said that they were prepared to launch air strikes in Sarajevo, Srebrenica, and Tuzla. Before any action can be taken, they must gain the approval of the UN Security Council.

**Japan**

Japan's Labor Ministry Committee advised the revision of sexist

**Russia**

The newly elected Russian Parliament conducted its first session on Tuesday. Yeltsin supporters are disturbed by Zhirinovskiy's blatant attempt to dominate the Duma through chairman Georgy Lukava.

**South Africa**

Nelson Mandela claims that de Klerk allowed township violence in order to scare off potential ANC voters. These include the seven million mixed race and Indian voters. The election is on April 27.

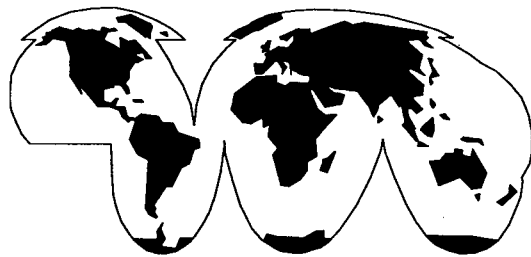
**United States**

President Clinton left on Saturday for his first official visit to Europe and Russia. His goal is to demonstrate the United States' interest in transatlantic friendship as well as to face the new threat of Russian

nationalism in the form of Vladimir Zhirinovskiy and his followers. Zhirinovskiy's success in Russian parliamentary elections last month has made both Eastern and Western Europe wary. Clinton visited Prague in the middle of the week to reassure the fledgling democracies in Central Europe of his support for economic reforms and the continuance of their independence.

The Clinton Administration announced Monday that plans are now underway to open a formal dialogue concerning human rights with Vietnam. Plans include the lifting of a nineteen year trade embargo against Hanoi.

# World News



by Connie Chang

hiring practices adopted by many Japanese companies.

**Mexico**

The Mexican Army cordoned off Indian towns suspected of harboring Mexican rebels. Several Indian towns have turned over rebels to the government. The Mexican President, Carlos Salinas, wants to end the violence. He asks to listen to the rebels. The rebels agree to talks if a cease-fire is called.

A car bomb exploded in the capital on Saturday. There was a second explosion in Acapulco. Although no one has claimed responsibility, the government suspects rebel involvement.

## ASCIT BOD minutes, January 11

by Karen Shih

Present: BOD (except Mike Brundage and Anandi Raman), Jennifer Trittschuh, David Derkits, Dinah Lee Schaller, Christy Esau, Gavin Claypool.

**New Business**

- Wellness Week is coming up. Dinah Lee, the drug and alcohol outreach coordinator of the Counseling Center, is here to request \$500 from ASCIT. Motion to sponsor Wellness Week with \$500 passes (5-1-0).

- The Big T proposes a change in the bylaws to increase dues by \$2.00 a term, to take effect next school year. Motion to place the initiative on the ballot for the January 24th election passes (6-0-0).

- The Big T Business Manager proposes a change in the compensation schedule to limit commission earning to ads solicited by herself only but to add a \$100 salary to her compensation.

**Treasurer**

- There is some discussion regarding the delinquency of clubs to come and pick up checks for current terms. As a result, a good deal of money is left untouched throughout a greater part of each term because it should have been picked up months ago. Consequently, ASCIT cannot sponsor certain events because of a loose obligation to maintain the club moneys. Motion to set next week as the "freeze" time on club checks for first term fails (3-3-0).

**Freshman Director-at-Large**

- The UROH is done.

**Director of Academic Affairs**

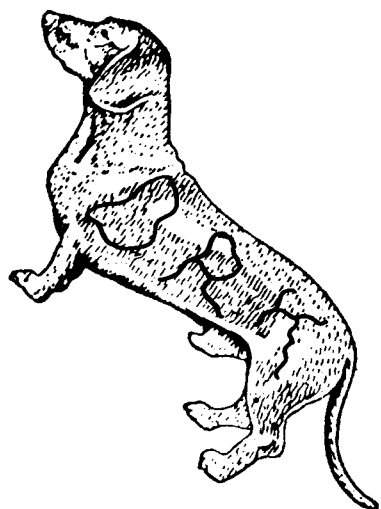
- The Student-Faculty Conference is set for February 25th.
- More CLUE reviews are requested.

**IHC Chair**

- The IHC meets Monday nights at 7:30 in the MOSH's Office.

**President**

- Proposes bylaw change to strike all references to the office of Publications Darkroom Chairman from the bylaws. The job of upkeep would then fall on the shoulders of all publications editors who use the darkroom. Motion to place the initiative on the January 24th ballot passes (5-0-1).



### Rag Time on Green

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by Gypsy Achong

Crime Tip: Be very careful when walking around dark areas, especially if there are lots of overgrown or thick bushes around.

1/3 12:55 P.M. A member of staff was walking to her office on Hill when a young man approached her. He was shaking and she thought he spoke to her. He then asked her to come nearer because he could not hear her. She did and noticed that he was manipulating his genitals. He then had an orgasm. The man was white, thinly built, in his 20's with a beard.

1/7 2:00-4:00 P.M. A student parked his car in the Tournament parking lot. On return he discovered that the passenger window of his car had been shattered and the ignition switch had been tampered with, so that the car could not start.

1/8 11:00 P.M. A student got into his car which was parked between Keck and Baxter. As he drove off two males jumped out of the bushes on the west side of Keck and began to chase him. He quickly drove away.

1/9 4:00-11:00 A.M. Some clothes belonging to an undergrad were stolen from the SAC laundry. \$300

This week's total: \$300

# HELP!

The California Tech is desperately looking for a Circulation Manager.

The Manager is responsible for picking up the finished newspapers from the printer each Friday morning, preparing them for mail distribution, and delivering copies to the student Houses. A car is required, and we would prefer to hire an undergraduate or graduate student. For more information about salary, etc., please call Gavin Claypool at x6153, or come to the weekly Tech staff meeting on Friday.

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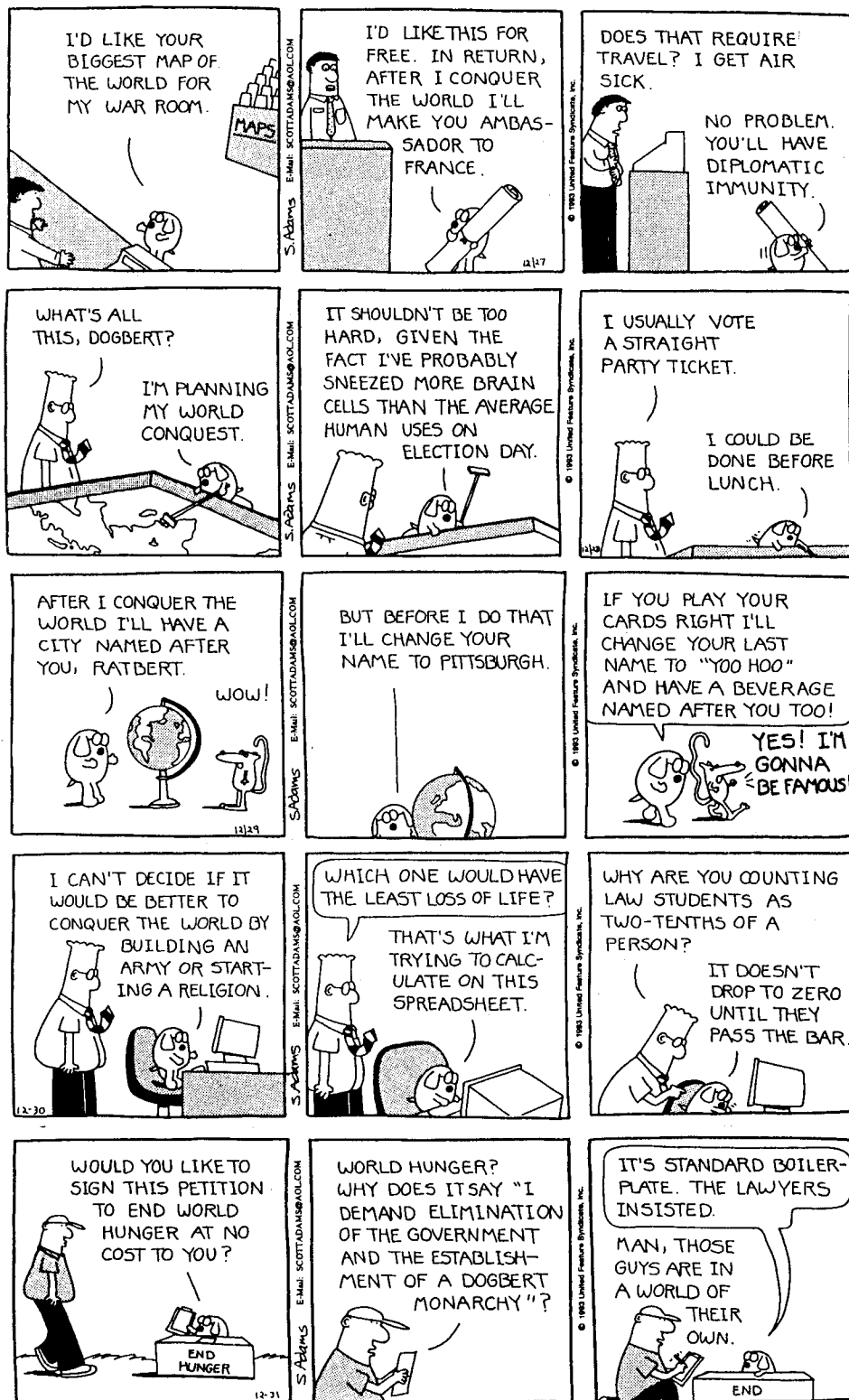
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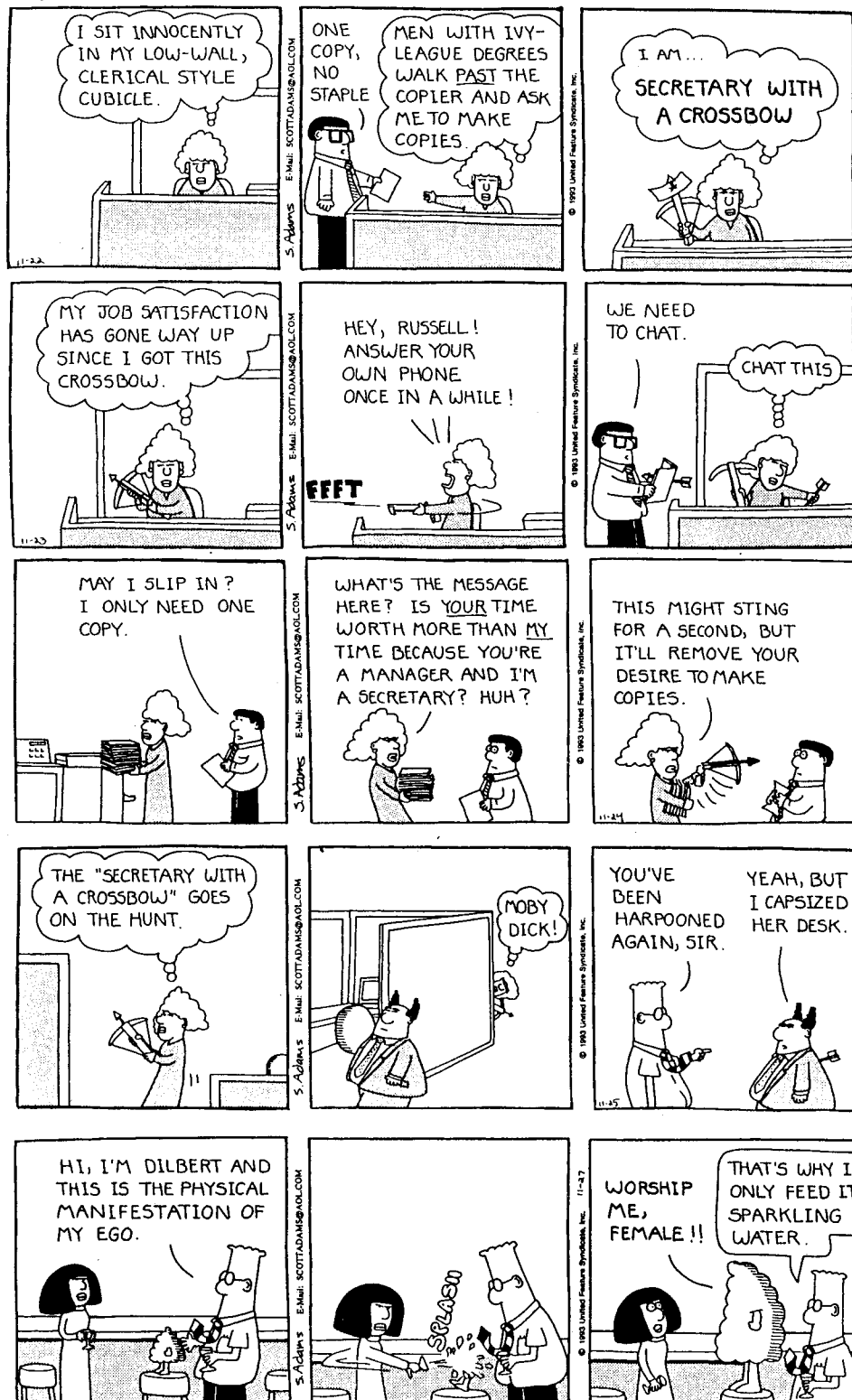
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by Scott Adams

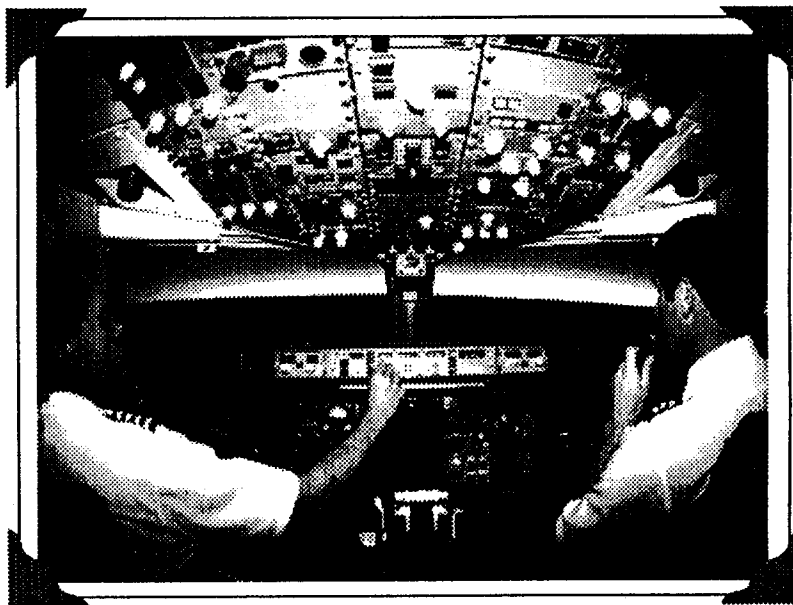
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## Bridge Without Sam

by Jeff Goldsmith

A Record

Playing matchpoints in a weakish field, a pair arrives that annoys me. My left hand opponent has a history of taking very unusual actions against me, some of which work and some which do not. He also refuses to explain his agreements and acts very condescending and rude to me. I'd love to crush this guy.

I pick up as East with no one vulnerable

♠AQ10 ♥AK42 ♦973 ♣KJ10.

NORTH	EAST	SOUTH	WEST
1♦	Double	1♥	Pass
Pass	?		Pass

I have a bidding problem at the one level. I clearly have the best hand at the table, but partner is probably broke. Since I have no sensible action, and since they are willing to play in my best suit, I choose to pass and 1♥ becomes the final contract. The dummy appears and I see

♠ 93	♠ AQ10
♥ Q53	♥ AK42
♦ KQJ64	♦ 973
♣ A87	♣ KJ10

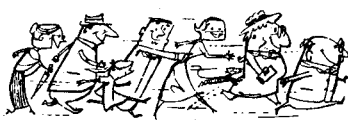
Partner leads the ♦5 and dummy plays the King. What is this? For the moment, it doesn't matter, so I play low and declarer contributes the 2. How friendly! We lead low from an odd number, so partner either has 1083 or a singleton. Between dummy and my hand, I see 29 points. Declarer must have most of the rest. Partner would not lead from ten-third in my short suit; he must have a singleton! That's good. Declarer confidently continues with a small heart from dummy and I play the four smoothly. Declarer inserts the nine and partner wins the Jack. Something very odd is going on here. Partner would not lead a singleton with Jack doubleton in trumps; he probably would not lead it unless he had three trumps because he would figure that I had four and would try to help set up a long suit in my hand. Declarer is playing in a psyche! Checking the vibrations around the table, I am certain that this is so. Declarer is still playing confidently, but there's worry in his eye. He is not happy about how things are working out. We are going to get him.

Partner continues with a low spade and I win the Ace and return a diamond for him to ruff. I choose the nine because I have already denied the ♠K; if partner has it, I want him to underlead. He doesn't and shifts to a small club. Declarer shrugs and ducks this to my King. I give partner another ruff and he exits with a club to declarer's Queen. Declarer continues trying to draw trump and partner shows out, pitching a low club. I complete the effort, drawing trumps with my top honors.

What do I know about the hand now? Declarer is 3-3-4-3 with nine or ten high card points. I don't know who has the ♠J. Partner has not pitched a spade, so I am going for the gusto and shall play him for that card. I continue with the ♠Q and declarer wins with the King and continues diamonds. I ruff and lead my remaining spade to partner's Jack and he claims the balance. Declarer has taken three tricks for a well-deserved zero. He has erred in the play at nearly every trick. Maybe my Orbital Mind Control Lasers have decided to help me out.

On reflection, I feel that I have to compliment partner. He has made five defensive tricks with a two-count and only three trumps. That must be some sort of record.

The Caltech Bridge Club meets every Monday night at 7:15 in Winnett Lounge. Everybody is welcome; call Jeff Goldsmith at x2818 for details. First Round matches in the Winter Round-Robin are: Ricketts vs. Ruddock, Page vs. Lloyd, and Gottesman vs. Fang. The Fourth Annual Pro-Am will be Saturday, January 29th at 1 P.M. in Winnett Lounge.



## entertainment

### Iron Will for the iron stomached

by H. K. Thio

*Iron Will*, a new Disney movie set in the winter of 1917, tells the story of Will Stoneman (Mackenzie Astin), a young farmer's son with a passion for dog-sledding. At the beginning of the movie he receives news that he has been accepted by a college and, though he has reservations about leaving the tiny town in Dakota where he lives, his parents convince him to go. Yet within a couple of days, disaster strikes, putting the existence of the farm as well as his higher education in jeopardy. In order to save both, Will decides to enter a grueling dog-sled race, from Winnipeg to St. Paul, with ten thousand dollars in prize money.

Trained by their native-American help (August Schellenberg) and armed with some of his native wisdoms and healing herbs Will takes off for Winnipeg. There he meets the other contestants, all very experienced and rugged racers, for

whom Will obviously is no match. Among them are two brothers from Iceland, a bunch of Canadian and American trappers, and a Swede, who from the first moment has evil written all over his face and whose accent is usually reserved in movies for Nazi camp-guards. Will receives support from one of the journalists sent to report on the race, Harry Kingsley (Kevin Spacey). His motivation is not as much philanthropy as much as the need for an exclusive story about a young lad perishing in the Canadian wilderness.

The race begins, the evil Swede behaves like a charioteer in Ben Hur and within a day or two all the Americans, except for Will, of course, are either hanging from a cliff, being dragged behind their sleds or knocked out under a tree with their animal companions continuing the race on their own. As the only American survivor, Will attracts more media attention and Kingsley's attitude changes from

cynicism to compassion for Will and patriotism. The race goes on for quite a while, but I'll leave the rest to your imagination—it doesn't take too much.

The story consists of one cliché after another. It's very American-oriented, both in its atmosphere, with scenes of the countryside accompanied by Copland-esque music, and in the content, with all Americans being good and all bad guys being foreigners. The characters are very flat, and the dialogue is not very stimulating. Some of the country and racing scenes are quite spectacular, but they do get old after a while. This is a young people's adventure movie, and definitely not one of the better ones. I wouldn't recommend this movie for anyone—I don't think I would have appreciated it even when I was in the targeted age range. The acting is not bad, really, and the dogs did an outstanding job, but the story is lame.

continued from page 1

### Lu Valle

torate degrees in both subjects. He taught at Fisk University in Tennessee, then worked at Eastman Kodak, where he was the first Negro employed at the laboratories. Eventually, Lu Valle settled in Palo Alto, and became director of undergraduate laboratories at Stanford University. There, he advised over 900 pre-medical stu-

dents.

In 1983, the Board of Regents of the University of California decided to erect the James E. Lu Valle Commons. This graduate student union, located on the Los Angeles (UCLA) campus, is a permanent monument to a remarkable scientist and humanitarian. While continuing his work at Stanford for many years researching the human brain and processes in memory, he passed away on January 30, 1993 at the age of 80.

Caltech graduates some of the world's premiere scientists. Sometimes we forget that not all of them are White men. Dr. Lu Valle was one of the first to remind us of this, and not the last. "Very few people are totally free of misconceptions about Negroes." Almost 26 years ago, the Reverend Martin Luther King, Jr. had a chance to say this when he discussed issues with Caltech undergraduates after dinner.

## The Caltech Jazz Bands

in concert

this Saturday, January 15  
at 8:00 PM  
in  
Caltech's  
Beckman Auditorium

This concert is  
Free!!!!

Guest conductor  
Joe Curiale

(composer for Michael Bolton, Anita Baker,  
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will appear with the band  
conducting his own compositions.

## TONIGHT'S ASCIT MOVIE

### The INDIANA JONES Trilogy

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Baxter Lecture Hall      ASCIT members  
7:30, 9:30 & 11:30 P.M.      \$2/\$3/\$4 for all others

Next Week: Mystery feature

## sports

## Beaver basketball—perfect so far

by Bryce H. Elliott

This past weekend, the Caltech men's varsity basketball team completed a perfect 9-0 pre-SCIAC season by winning the Keelhauler Classic in Vallejo. The Beavers were obviously the class of the tournament, trouncing Holy Names 83-59 in the opening round, beating Southwestern College 86-66 in the finals, placing freshman Josh "MJ" Moats on the five-man All-Tournament team, and having senior George Papa named 1994 Keelhauler Classic Tournament Most Valuable Player. Senior John "Pimp Daddy" Parks also had an outstanding weekend, averaging 10.5 points and 11 rebounds.

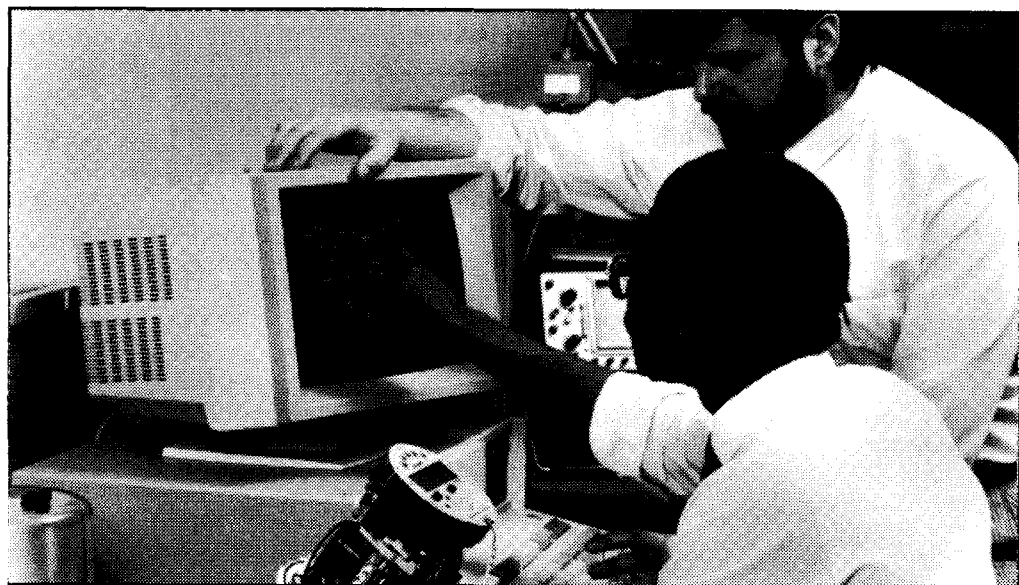
Papa took MVP by turning in two superb games, a 26 point, 22 rebound performance against Holy

Names and a 32 point, 13 rebound, 7 block game in the finals against Southwestern. Papa was particularly effective in shutting down Southwestern's leading scorer Craig Mayer, blocking him 5 times en route to limiting him to 9 first half points. Experts believe that the spectacular weekend was due to the fact that his hair was perfect throughout the tourney. Papa brought along extra styling gel for the trip in order to keep his hair in place in the Bay Area humidity.

Moats virtually assured himself of a spot on the All-Tournament squad after the first game, in which he had 38 points, coming largely on 10 of 19 shooting from behind the three-point arc. Moats caught fire late in the first half, going 6 of 6 from downtown during a 20-2 Beaver run. The 10 treys set a new

Caltech school record for three-pointers in a game, but fell four shy of the current NCAA mark. Moats added another 26 points in the final game to lead the team in scoring for the tournament.

Caltech came into the tourney a little flat, as witnessed by the 57-46 victory over La Sierra earlier in the week. During the post-game press conference, Coach Gene Victor remarked, "I'd rather look ugly and win than look good and lose." However, the Beavers looked anything but ugly in the Keelhauler Classic, giving witness to the fact that they are a force to be reckoned with. Victor's team had an excellent pre-conference season, and figure to make an impact on the SCIAC race this year. Come out and enjoy the excitement of Beaverball!



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Time: 4:00PM-6:00PM

Place: Student Activity Center, Room 13

**INTERVIEWING:**

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ADAM VILLANI:  
MEDIA GUY

by Adam Villani

*Schindler's List*

Before I begin to complain about what I *didn't* like about this film, I'd like to go on the record as saying that I thought this was an excellent movie, and one of the most moving films I've ever seen. I'd also like to say that Steven Spielberg did an admirable job of toning down his style for this movie, though the Hand of Steven is certainly not invisible. Particularly memorable are the scene with the civil engineer (shades of *The Killing Fields*) and the performance of Ralph Fiennes as the most natural, sadistic Nazi commandant in cinematic memory.

Most disconcerting was the fact, though, that the movie was not horrifying enough. Some recent surveys show that a large fraction of the population doesn't know what the Holocaust was. A realistic scene has the Jewish women in the labor camp barracks discussing rumors that the Germans were gassing Jews en masse, then deciding that it didn't make sense and must then be just a rumor. Later in the film, the women enter the showers at Auschwitz, only to find that that's exactly what they are—showers. Now, while you and I realize that they just got lucky, J. Random American is ignorant and needs to be told these things. To him, this is verification that the gas chambers didn't exist, and that the smoke-billowing chimneys are just industrial. While certainly an artistically valid scene, Spielberg wanted this film to be an essential cultural education tool. Somebody not too keen on history could walk out of this film thinking the worst thing the Nazis did was shoot prisoners at random. Nevertheless, I highly recommend this film. Then go see *The Killing Fields*.

*Farewell My Concubine*

This is a beautiful epic from mainland Chinese director Chen Kaige chronicling the lives of two Beijing Opera stars through the twentieth century. The two "stage brothers" are attached to each other emotionally and artistically, yet must constantly fight against themselves, each other, the older one's ex-prostitute wife Juxian (Gong Li), and the political turmoil around them. Particularly moving are their reactions to the ascent of Communism in China and ultimate emotional destruction under the Cultural Revolution. Unfortunately, the huge time span that the film covers (52 years) make the personal development across time periods confusing. The excellent performances and elegant cinematography aren't allowed to reach their full potential under the shaky transitions. Definitely worth seeing, though.

*What's Eating Gilbert Grape?*

Believe it or not, I'm actually recommending three movies this week. *What's Eating Gilbert Grape?*, though superficially quite similar to last spring's *Benny and Joon*, is far superior in every way. Johnny Depp plays the title character, who is tied down to the Iowa farm town of Endora taking care of his family, which includes his severely retarded younger brother (Leonardo DiCaprio) and his 500-pound mother (Darlène Cates). Wandering free-spirit Juliette Lewis's car breaks down while passing through, and during the weeks she spends stuck in Endora she strikes up a relationship with Gilbert, hoping to liberate his spirit. This movie has an excellent script handled deftly by director Lasse Hallstrom and bolstered by a truly outstanding supporting cast. DiCaprio is gleefully tragic in his convincing portrayal of the water tower-climbing little brother who annoys the hell out of you, yet you can't stay angry with him. Along with Gilbert's mother, sisters, and every other town denizen, white trash has never been portrayed in such a realistic, compassionate manner. Even the Iowa scenery looks beautiful. Media Guy's underrated Pick of the Week.

*Rolling Stone* 1994 Music Awards

By some truly inexplicable twist of fate, both *Rolling Stone's* readers and critics picked "Runaway Train" by Soul Asylum as the best single of 1993. I don't hate this song; it just happens to be the only popular "alternative" song that is so bland that it inspires absolutely no emotions, positive or negative, in me.

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Jim's Journal

by Jim



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\* Note: asterisks denote new announcements.

## Notices

**Guitar Classes at Caltech**—Guitar classes for the winter quarter will meet on Tuesdays starting on January 11 in Room 1 of the Student Activities Center (SAC) as follows:

Beginning Guitar Class 4:30–5:30 P.M.  
Intermediate Guitar Class 3:00–4:00 P.M.  
Advanced Guitar Class 5:30–6:30 P.M.

Classical and Flamenco repertoires are explored but techniques transfer to other styles of guitar. The Beginning Class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergraduates can receive 3 units of credit if they choose. Private instruction on any level can also be arranged. The instructor, Classical Guitarist Darryl Denning, has an international background in performance, teaching, and recording and can be reached at (213) 465-0881.

**Senior Pictures**—Seniors, don't forget that senior photos should be sent to the Big T, Mail Code 27-58, by February 1. Please include your name, major and home town, exactly as you would like it to appear. We're sorry, but photos will not be returned. If you have any questions, e-mail Christy, christy@cco, Nestor, no@cco, or Karen, shishi@iag.

## Events & Services

\* **Southwest Museum**—The office of International Student Programs is offering a guided tour of the Southwest Museum on Saturday, January 29. The Southwest Museum presents the remarkable cultural diversity of America's earliest inhabitants. On display are examples of Indian art and artifacts: Pre-Columbian pottery and textiles; Hispanic folk and decorative arts and much more. The tour is open to the entire Caltech community but the number of free admissions is limited. For more information and to sign up stop by the ISP office or call x6330.

\* **Martin Luther King Day Activities**—The Caltech Y presents, as part of Caltech's Martin Luther King Day Celebration: Poetdrama (dramatic readings of poetry) by the Save Our Youth (S.O.Y.) kids. Also: A recitation of Martin Luther King's "I Have A Dream" speech by one of the S.O.Y. kids. January 17, 1994 at 4 P.M. in the Winnett Quad. Refreshments will be served.

\* **Dark Room Users' Group** will conduct the organizational meeting and a lesson on black and white film developing Saturday, December 15 at 1 P.M. in the Dark Room (39 SAC). Everyone is welcome. For more information contact Tim Shoppa (x4327) or Alex Zeyliger (sasha@cco) or e-mail or finger drug@cco.

\* **Ballroom Dancing is back.** Beginning next Thursday evening, January 20, free ballroom dance lessons will be given in Winnett Lounge at 7:30 P.M. The first two weeks will be dedicated to Waltz, the next two to Foxtrot, with Cha-Cha and Swing to follow. Lessons will be taught by experienced instructors Jessica Barnett and Sonny Arcilla.

**Building Self Esteem**—A group focusing on building Self Esteem will be offered to undergraduate students beginning January 26, 1994. The purpose of this 8-week-long group is to help students examine the nature and development of self esteem. What prevents a person from feeling "good enough" and strategies for developing stable and enduring self esteem will be explored. The group will meet on Wednesdays from 3:30–5:00 P.M. Group membership is limited. Those who would like to participate in the group will be required to meet with the group leaders prior to the group's first session. For more information or to arrange a meeting with the group leaders, please call Virginia at (818) 395-8331.

# Events and Notices

**Gay, Lesbian & Bisexual Support Group**—Meets the first and third Tuesdays at 7:30 P.M. in the Health Center Lounge. This confidential meeting is open to all Caltech community members looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovery, coping with families... We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments are served. For information, please call (818) 395-8331.

**Adults Molested as Children Group**—This is an ongoing group for undergraduate and graduate women at CIT who were molested as children. The group is designed for women who experienced any form of incest which could include family members or other caregivers physically, emotionally and/or verbally sexualizing the relationship with them in childhood or adolescence. The group will provide a safe and confidential setting in which to explore the issues of trust, self-esteem and intimacy. Each group member needs to meet with the group leaders for pre-group interview in January; the group will begin in February and will meet at noon on Tuesdays from noon to 1:30 P.M. in the Health Center Lounge. For more information or to schedule a pre-group interview, please contact Aimee Ellicot, Ph.D. or Jenny Butler, Ph.D., at (818) 395-8331.

\* **German Film Series**—The next film to be featured in the German Film Series is *Dr. Mabuse, Der Spieler* (1921). The film features English subtitles and is shown free of charge. It will screen on Thursday, January 27 at 7:30 P.M. in Baxter Lecture Hall. For further information, please call 395-3610.

\* **The Caltech Jazz Bands** will present a concert in Beckman Auditorium this Saturday, January 15, at 8 P.M. in Beckman Auditorium. Featured on this concert will be the composer Joe Curiale, who has written music for the likes of Michael Bolton, Kathleen Battle, Anita Baker, Liza Minnelli, and Kenny G. He has also received an Emmy for his work in television and was in the past a composer for the *Johnny Carson Show*. The concert is free and open to the public. Lots of your friends will be playing, so please come and check it out.

**Caltech Alpine Club "Sit and Chat"**—Bring a sack lunch to the patio outside the north end of Keck Laboratory on Wednesdays from 12 to 1. Talk about mountains, the weather, and outings, past and future.

**Caltech Velo** presents Mountain Biking every Wednesday of second term at 2:00 P.M. Meet at the Y with your bike and your helmet. Sign up at the Caltech Y (second floor Winnett).

**Friday Prayer**—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 12:15 P.M. every Friday.

**Mass**—Catholic campus life includes Mass on Sunday at 10 A.M. (Winnett Lounge) and on Thursday at 8:15 A.M. (Y Lounge), Rosary at 11:15 A.M. daily in Winnett 1A, and various spiritual development groups and study circles. For more information contact Fr. Brian Wilson at x6212.

**Bible Study and Discussion**—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Gerfen at x4886.

**OpenLine**—A group made up of students, staff, and faculty from many different departments on campus, and from a variety of ethnic and cultural backgrounds. We are both an action group and a

discussion group. Our agenda is very flexible and is solely determined by what people in the group suggest. Drop by any meeting and say hello! We meet from noon to 1 P.M. on Tuesdays in the Y Lounge (2nd floor Winnett, feel free to bring your lunch!). Remember, we *always* welcome new people, at any time of the year. Hope to see sometime! For more information contact Cary Mines at x6542 (gam@xhmcia.caltech.edu).

**Baby Furniture Pool**—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 A.M. For more information call 952-1631.

**Israeli Folk Dancing**—Sundays in Winnett lounge. Beginning instruction starts at 7:30 P.M., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

**Scottish Country Dancing**—On Wednesdays in Dabney Lounge from 8 until 10 P.M. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

**Music with James Boyk**—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 P.M. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or just skulk. For more information call x6353.

**Open House**—The office of International Student Programs (ISP) would like to invite international students, scholars, and the Caltech community to coffee, tea, and conversation every Wednesday from 4–6 P.M. Take a break and relax with friends at ISP (Lloyd House on the Olive Walk).

## Lectures & Seminars

\* **Y. P. Fang**, Technical Director of the Simpson Paper Mill, will deliver a lecture on the **Technical Aspects of Paper Recycling** on Wednesday, January 26 at 11:30 A.M. in the Judy Library in Baxter. Lunch will be provided. Sponsored by CETF.

**James Michelin Seminar Series**—Morton Subotnick of the California Institute of the Arts, will lecture on **"The Challenge of Non-Linear Interactive Media in Creating Music."** Subotnick is one of this country's premier composers of electronic music and an innovator in works involving instruments combined with other media, including interactive computer music systems. Most of his music calls for a computer part, or live electronic processing; his work utilizes many of the important technological breakthroughs in the history of the genre.

This lecture, the first in an on-going series, augments the James Michelin Distinguished Visitor's Lecture series. Both are designed to foster a creative interaction between the arts and sciences.

**Science, Ethics, and Public Policy Seminar**—Dr. Linda Cohen, Olin Visiting Fellow in Law and Social Choice at Caltech and an Associate Professor of Economics at UC Irvine, will lecture on "Research, Innovation, and President Clinton's Technology Policy," on Wednesday, February 9 at 4:00 P.M. in the Judy Library, 110 Baxter.

\* **Money, Money, Money: Getting Funding For Your Entrepreneurial Venture!**—The Caltech/MIT Enterprise Forum is sponsoring this special program featuring a panel of investors, lenders and entrepreneurs, discussing the opportunities and realities of business funding, on Tuesday, January 18, 1994, 5:30 P.M.–9:30 P.M.

on campus at Caltech. \$20 fee (Caltech students, please call about fee reduction for students.) **Preregistration is required!** For registration or additional information, contact Eleanor Martinez at x3916 (or e-mail to huffduff@romeo.caltech.edu.)

## Scholarships, Internships, & Competitions

**The Dupont 1994 Plunkett Student Awards for Innovation with Teflon®**—These awards will go to the best examples of student innovation in fluoropolymer technology, with total prizes and scholarships of more than \$30,000. Winning entries must demonstrate both innovation and potential for commercialization that can open or expand markets for fluoropolymers. Students are required to submit a prototype, or a paper on a reducible-to-practice application, both with supporting information, using either Teflon® or Tefzel® fluoropolymer resins. The first place winner will be offered an option: a summer internship, valued at approximately \$10,000 in DuPont Fluoropolymers, or a \$3,000 cash award. Second and third place awards will be \$2,000 and \$1,000, respectively. Ten honorable mentions will receive cash honoraria. Additional money will also be given to faculty sponsors, schools, and customer fabricator advisors. Teams or students may enter, and faculty sponsorship is required. *The deadline for submitting entries is January 14, 1994.* For information, call (800) 432-7536, or write The Dupont Plunkett Student Awards, Suite 550, 400 North Capitol Street, N.W., Washington, D.C., 20001.

**Fritz B. Burns Prize in Geology** in the Division of Geological and Planetary Sciences, California Institute of Technology—Undergraduates in the Division of Geological and Planetary Sciences are encouraged to apply for the Fritz B. Burns Prize in Geology. The award(s) will be made for amounts up to \$1,500 for the best proposals for undergraduate research in the fields represented by the Division. If you are interested in this opportunity, please write a short statement (less than one page) describing the research you would like to do. Selections will be made in January 1994. The proposed research can be loosely or closely tied to that of a Division faculty member. *Submission deadline: January 14, 1994.* Send proposals to: PROFESSOR KERRY SIEH, Divisional Academic Officer, Division of Geological and Planetary Sciences, Mail Stop 252-21.

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 Institute of International Education** is pleased to announce the National Security Education Program for undergraduate scholarships for the 1994–95 academic year. Please contact Barbara Green in the Dean's Office at x6351 for details.

\* **The Chinese-American Faculty Association of Southern California** is awarding several scholarships in the amount of \$500 each. Undergraduate students who are interested in Chinese culture who are currently enrolled in an institution of higher learning in Southern California, scheduled to graduate after May, 1994, and have completed 12 quarter units or 8 semester units with a GPA of 3.5 or above are encouraged to apply. To receive an application please write to: Professor Otto H. Chang, 6742 N. Chason Way, San Bernardino, CA 92407. *Completed applications must be postmarked no later January 15, 1994.*

**The National Academy for Nuclear Training** is beginning its competition for scholarships for the 1994–95 academic year. Scholarships are available to U.S. citizens who are pursuing a bachelor's degree in nuclear engineering, power generation, health physics, or mechanical, chemical, or electrical engineering with a nuclear or power option, and who are beginning their sophomore year. Preference will be shown to students considering careers in the nuclear power industry. Applicants must be enrolled full-time and a minimum GPA of 3.0 is required. *The completed application and all other required documents must be submitted no later than January 21, 1994.*

\* **The GLAMOUR Magazine Top Ten College Women Competition** has begun. The competition is open to all women who are full-time juniors regardless of major or GPA. *All entries must be postmarked by January 31, 1994.*

**CELSOC (Consulting Engineers and Land Surveyors of California)** has begun its competition for the Engineering & Land Surveying Scholarships for the 1994–95 academic year. To qualify, a student must be a U.S. citizen pursuing a bachelor's degree in an ABET-approved engineering program or an accredited land surveying program. Students must have entered their junior, senior, or fifth year in the fall of 1994 to qualify. *Applications are due by February 14, 1994.*

**The Marin Education Fund** is announcing the opening of their 1994–95 grant application process. To qualify for a grant, a student must be a Marin County resident, have low to moderate income, and be enrolled at least half-time in an approved undergraduate degree. Applications are available by calling the Marin Education Fund at (415) 459-4240. *Applications must be postmarked by March 2, 1994.*

**The American Women's Club in Sweden** announces that a travel grant will be awarded for study and research in Sweden. To qualify students must be an American citizen who is female, age 18 or over, accepted for a period of study or research at a Swedish educational institution or agency, and show evidence of need. For an application and detailed instructions, send a self-addressed, stamped envelope to The American Women's Club in Sweden—Scholarship Foundation, P.O. Box 12054, S-102 22 Stockholm, Sweden. The deadline date for requesting the application package is March 15, 1994. *Completed applications and all supporting documents must be received by April 15, 1994.*

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