



Left to right, Pamela Abshire, Dr. Kip Thorne, Maneesh Sahani, Dr. Stephen Hawking, and Rob Hanna. Dr. Hawking visited Dabney House, where the three students reside, for dinner on Monday night. Dr. Hawking and Dr. Thorne were invited by Pamela Abshire as her last official act as Dabney House vice president.

Dr. Stephen Hawking Visits Dabney House

Rajesh "Q" Bilimoria & Christopher Orth

Last Monday, physicist legend Stephen Hawking and Kip Thorne visited Dabney House for dinner. The distinguished physicists were invited to a formal dinner at Dabney House by erstwhile Dabney vice president Pamela Abshire. During dinner announcements, Alf Mikula, Dabney House president, offered honorary social membership to Dr. Hawking. Upon accepting the offer, Dr. Hawking asked if he could now list D.E.I. after his other academic titles. When some students inquired as to whether or not Dr. Hawking understood what D.E.I. stood for, he answered with a simple "Yes" that produced laughter from the students. In the after dinner conversation, Dr. Hawking told of one of his earlier ambitions to be a civil servant, and his opinion of the ability to explain psychic phenomena ("Rubbish").

Although most know of Professor Hawking's visit, few know what exactly he is doing here. Stephen Hawking is part of the Fairchild Scholar program, a program unique to Caltech, where world-prominent leaders in their fields are invited to stay at Caltech and provide their own points of view to discussion and research. The program has begun in 1973, and since then there have been as many as twenty Fairchild Scholars residing at Caltech in a given year.

One prominent topic for discussion these past weeks has been Professor Hawking's theory of "black hole evaporation." This is a particularly appropriate area of discussion, since Professor Hawking himself began the controversial aspect of his theory during his last visit here in 1974. Hawking's position, as outlined in his book, *A Brief History of Time*, seems to be that as black holes are absorbing matter, on the quantum level they are also emitting matter. For small black holes the rate of emission can

be faster than the rate of absorption. The result is a black hole that is losing mass, i.e. that is evaporating. There is no controversy about this fact; the controversy surrounds the question of what happens at the end of the evaporation. Dr. Hawking maintains that the evaporation causes a breakdown of "quantum coherence." In other words, the material that formed the black hole was in a "pure quantum state," but the remnants of its evaporation are in a "mixed quantum state." Nowhere else in fundamentals physics can a pure quantum state evolve into a mixed state, but Dr. Hawking insists that this happens when black holes evaporate, and theory holds that if you wait for a very long time the black hole might evaporate completely.

Recently other physicists have developed several idealized models have been formed in attempts to disprove Professor Hawking's theory. Part of Stephen Hawking's efforts over the past weeks have gone into a developing a mathematical proof to defend his theory against such attacks. In his proof, he may have even managed to turn his critics' arguments around to support his own theory, but in the very least he exposed that our current techniques of dealing with such problems are highly inadequate.

By coming to Caltech to discuss theoretical physics, Stephen Hawking has caused, in some cases, a "forty-five degree change in the direction of our thinking," in Professor Kip Thorne's words. Hawking's visit has generated new ways of thinking, not only about black hole evaporation, but also about what is inside black holes and about whether the laws of physics permit time machines. It seems Professor Hawking, true to the role of a Fairchild Scholar, has made a lasting impression on both the faculty and student bodies.

Brian Bedford to Perform at Beckman Auditorium

Cara Stemen



Classical actor Brian Bedford presents his one-man show "The Lunatic, the Lover and the Poet" on Friday, March 6 at 8 p.m. in Beckman Auditorium.

Bedford explores the identity of William Shakespeare through his greatest sonnets and plays. In this production, Bedford portrays Malvolio in "Twelfth Night," Macbeth, Bottom in "A Midsummer Night's Dream," Hamlet, King Lear, and Romeo to name a few.

Born in Yorkshire, Bedford has lived the last quarter of a century in North America. He has performed on Broadway and has received Obie and New York Drama Desk Awards for his performance in Mike Nichols' production of "The Knack." He has also been seen in movies and on television.

Tickets to this concert are priced at \$25.00, \$22.50, and \$20.00. Caltech students (with I.D.) can purchase half-price tickets in advance and \$7.50 Rush Tickets beginning on Friday, March 6 (subject to availability). Tickets can be purchased at the Caltech Ticket Office. For more information, call campus extension 4652.

Brian Bedford will be performing "The Lunatic, The Lover, The Poet" at Beckman Auditorium on March 6.

IHC Minutes of 26 Feb 92

Ben Smith

The Y is celebrating Earth Day with a number of festivities. There will be events, such as a dunking booth, a TFM hotdog stand and a rock band. The Y wants the houses to build things to heighten environmental awareness. Nate says that if building things includes more power tools in Blacker Courtyard, then NO!! Earth Day will be on a Friday. If you have questions call the Y. If you want to help out, contact Phil Cofield in Ruddock. [Clo and Lowey left at 2112]

Discobolus: Page beat Ruddock. Lloyd will challenge on Monday.

Baseball: Bryce related that Steve Harkness had talked to Dan Bridges and the baseball coaches. Dan Bridges thinks that it is not a good idea to have baseball as a minor sport because of the number of injuries that occur in baseball. Secondly, the Athletic Department does not have the money for equipment and will not loan out what they

have. I'll talk to Dan about this issue soon.

Bryce passed around a letter concerning Interhouse basketball. The letter mentioned that last year there were "multiple incidents of unnecessary official violence last year." In short, such harassment will not be tolerated. NCAA rules include calling technical fouls due to actions of non playing team members who harass officials. Bryce wants to widen this to all spectators. Bryce asked for all students to be cool and not cause a problem.

Chris reminded us that OPI will be next weekend (7 Mar). The Rudds will be selling T-shirts.

Debbie Tuttle would like the CLUE reviews in by Today (Friday 28 Feb 92).

At 9pm on Monday (2 Mar 92) the Hazing committee will have its first meeting in the IHC room (next to Kim's office).

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SENIORS ONLY

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letters

Yet Another Harassment Response

To the editors:

Despite reservations about the accuracy of some of Fatima's statements, I think that her article highlights a major global problem: the oppression of women. This oppression exists in almost all cultures, but in different forms. In the United States, it exists largely in the form of sexual objectification of women. Movies, commercial advertisements, books, newspapers, beauty pageants, and peoples attitudes convey the idea that a woman's worth is mainly in her physical beauty. When talking among themselves, it is common for young males of about my age to speak in a demeaning way about women, often using derogatory slang terms to refer to them or making vulgar references to their body parts. The incredible rate of rape and sexual assaults in the U.S. is partly a result of such cultural attitudes. According to FBI estimates, every year more than a million women are raped. One out of every three women is raped some time in her life. In many colleges, women don't dare walk the distance between their dorm and the library alone after dark; they ask their campus security officers for escorts. Estimates widely cited by the media in the aftermath of the Thomas-Hill scandal indicate that most working women suffer sexual harassment in the workplace. On a more personal level, I myself have witnessed several instances of sexual harassment.

When I read Fatima's article, I was saddened. I wholeheartedly sympathize with her sentiment that "the beast that brings the greatest repulsion to me is man himself." Once again, I was reminded of the injustices that women suffer. Nevertheless, I disagree with parts of her article.

We discussed Arab (and "Eastern") violence. Fatima believed that, compared to Westerners, Arabs [and in general people in the "East"] are more violent. I disagree with this. As a counter-example, I think it is worth quoting journalist David Lamb, who lived in Cairo, the biggest Arab city, for four years. In his book, the *Arabs*, he recounts some of his experiences. He writes; "in fact, Cairo didn't even have any crime to speak of. Muggings, house burglaries, and car thefts were uncommon, even in the poorest sections of the city. Murder, rape, and violence were rare. In a city of 14 million, you could walk any street without fear." I don't think the same could be said about Los Angeles. I can vouch for that since I myself have been beaten up and robbed twice.

Fatima's article gives the impression that modest Islamic dress, *hijab*, is forcibly imposed on women by

men. Although instances of this may undoubtedly exist, I think this is generally uncommon. On the question of why women wear Islamic dress, I tend to agree more with the observation of the noted Iranian sociologist, Dr. Ali Shariati (d. 1977). He categorizes women who observe *hijab* (in any of its diverse forms) into two major groups. The first group, and the significantly larger one, is what he terms "geographical Muslims." These are the people who follow certain customs and rituals because they were born into and are most accustomed to them. Thus, the women who are in this category tend to dress in the way they do since that is the normal and natural way for them to do things. For geographical Muslims the distinction between what is dictated by one's culture versus what is ordained by Islam is nonexistent or at best blurred. On the other hand, the second, typically smaller category is the group of women who have made a conscious religious and ideological choice in wearing modest Islamic dress. These women are usually better educated than the first group. For them, the *hijab* is not only the natural way to dress, but also a symbol of their Islamic identity, and one that they are proud of. Many of these women challenge some of the un-Islamic, patriarchal assumptions that dominate their cultures. I believe that if a woman belongs to either category (especially the second one), her choice must be respected.

Last summer, I spent eight days in Dubai (I went there to obtain a U.S. visa). Each day, I spent about six or seven hours on the streets. I saw plenty of women in the streets. SO, I was puzzled when I read the following sentences in Fatima's article: "Generally, most women are kept indoors...it is uncouth for women to walk the streets." What she wrote may be true of some women and some neighborhoods, but it does not apply to a substantial segment of the population. So, the use of words "generally" and "uncouth" amounts to an invalid generalization. I told Fatima about what I had observed in Dubai. She then speculated that Arab women walk the streets while foreign women like Indians, Pakistanis and others stay indoors.

I would like to use this opportunity to also comment on the letters by Imram and Asim. Imram wrote about his frustration with the anti-Islamic prejudices in the United States. But he added that he personally had not faced a cultural bias during his stay at Caltech. I have a piece of bad news for him! One day last year, I was watching T.V. news in the lobby of my House. When the program showed the bloodied face of a little Muslim Kurdish girl, a fellow student shouted "Kill all Muslims, every single one of them!" Obviously,

most Americans aren't this fanatical. But most of them have deep-seated prejudices against Islam while knowing very little about it.

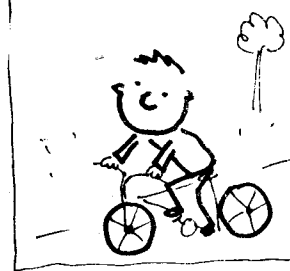
When I read Asim's reply to Fatima, I was a bit disappointed with his hostile tone. Given the climate of anti-Islamic misinformation and bigotry in this society, I fully understand the pain and anger he feels as a result of Fatima's incorrect characterization of the "East" versus the West. However, I believe that these emotions must be channeled in a constructive way to ensure that they don't become cause for further acrimony.

At the end, I pray to God to help us overcome injustices and conflicts, be they global ones such as oppression of women, racism, and imperialism, or personal ones such as the occasional embitterment that occurs between individuals among us.

Sincerely,
Benham Sadeghi

Jim's Journal

Today I went out on a bike ride.



I stopped by a ball park and watched part of a little league game or something.

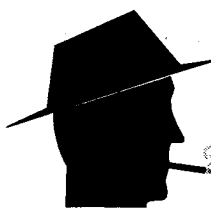
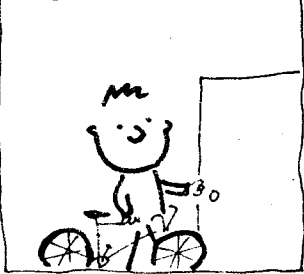


by Jim

I liked the way the sound of the bat hitting the ball echoed across the park.



It was almost dark by the time I got back home.



Crime & Incident Beat

Rajan Ranga

Security tip: If you own a bike, consider buying a U-lock of some heavy duty lock and chain. In many cases the locks on the bicycles have been cut fairly easily.

2/15 At 8:23 AM some Flem was baking cinnamon rolls when some sugar dripped to the bottom of the oven and started to burn. When the oven door was opened, there was enough smoke released to set off the fire alarm.

2/15 The victim parked his car in the drive at the north side of Downs-Lauritsen between 6 PM on 2/15 and 2 PM on 2/16. During this time someone broke into his car and stole a Walkman cassette player and some loose change. Value: \$21.50

2/17 The victim parked his bicycle between 5 PM on 2/16 and 10:25 AM on 2/17 at the Catalina complex. During this time someone cut the lock and removed the bicycle. Value: \$100

2/18 The victim parked his car on the east side of Hill across the Athenaeum between 5 PM on 2/17 and 12:55 AM on 2/18. During this time some one broke the rear window on the passenger side and stole the radio. The ignition switch was also tampered with. Value: \$500

2/18 Between 4:30 PM on 2/17 and 6 AM on 2/18, someone stole a telephone and answering machine from room 09 in the basement of the Beckman Institute. Room 09 is being used as an office by Cal Pac Construction. The door in the west end of the room did not have a lock because that area was under construction. Also, an outside door to the stairwell on the west side of the building was propped open with a piece of pipe. It may have been propped open to allow the thief to enter the building. Value: \$225

2/19 The victim parked his bicycle in the bicycle rack at the southwest corner of the Beckman Institute between 2:45 PM on 2/14 and 9:50 PM on 2/19. During this time some one stole the computer that records time and mileage. Value: \$40

2/20 A suspect was loitering in the vicinity of the Winett Center at 5:45 PM. The suspect was asking the custodians about their job and what was in certain buildings. When security arrived, the suspect stated that he was looking for a church. The officers directed the suspect to the area of N. Hill and advised the suspects that he was trespassing on private property.

Total value: \$886.50



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This Week Around Caltech...

Second Annual Tribute to African-American History through the Arts

Hall Daily

In honor of Black History Month, Caltech will join the Caltech Y and the Pasadena-Foothill Branch of the Los Angeles Urban League as a sponsor of the Second Annual Tribute to African-American History Through the Arts by hosting a gallery of paintings, graphics, batiks, sculpture, and mixed-media works on the Caltech campus on February 28 and 29. The exhibition, to be held in Dabney Lounge and Dabney Garden, will showcase the works of prominent and emerging African-American artists from southern California.

This exhibition, which is scheduled from noon to 6:00 p.m. on both days, will open Friday with a noontime reception, including a wearable-art show featuring Afrocentric clothing of Vibrations 2000. The two-day event is open to the public, free of charge.

Among the artists whose works will be on exhibit and for sale at the event are Charles A



Bibbs, graphics/masks; Dominique Blanchard, ceramics/sculpture; Aziz Diagne, paintings; Jan Emanuel, quilts; Charles L. Haywood, paintings; Robert V. Moseley, paintings; Paul Nzalamba, batiks; Roderick Vines, paintings/portraits; Barbara Wesson, paintings; and Albert Mukasa Wilson, drawings. Vines will also be the Pasadena Plaza's first Weekend Artist when he ex-

hibits and produces portraits at the shopping mall February 14-16.

In addition to Black History Month, internationally renowned storyteller Jackie Torrence will be on stage at Beckman Auditorium on the Caltech campus at 8:00 p.m. on Saturday, February 22. For further information contact the Caltech Ticket Office.



The Hudson Vagabond Puppets are presenting "Cinderella" Saturday, March 7 in Beckman Auditorium.

Hudson Vagabond Puppets at Caltech

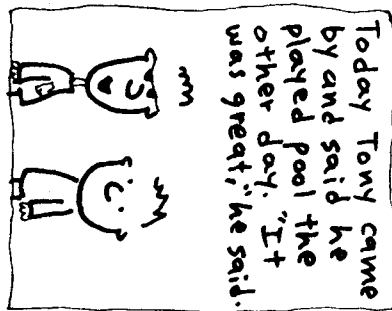
Cara Stemen

The Hudson Vagabond Puppets will present "Cinderella" at Caltech on Saturday, March 7 at 2p.m. in Caltech's Beckman Auditorium. This is a Family Faire Series event designed especially for children and their families. This event will be ASL(American Sign Language) interpreted.

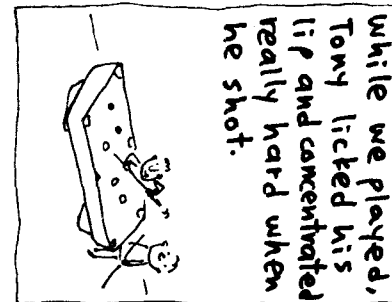
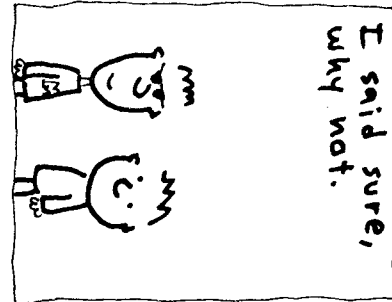
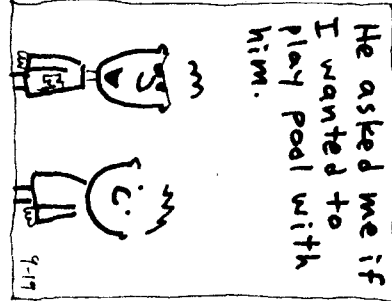
In addition to the fairy godmother, the wicked stepmother, Prince Charming and poor, overworked Cinderella, the Hudson Vagabond Puppets introduce a number of "new" characters including Geoffry the cool cat and a robin who's a matchmaker.

The Hudson Vagabond Puppets act, sing and dance in fully staged productions with original music and choreography. The puppets are manipulated by actor/puppeteers clad in black, a performing style influenced by the ancient Japanese Bunraku tradition.

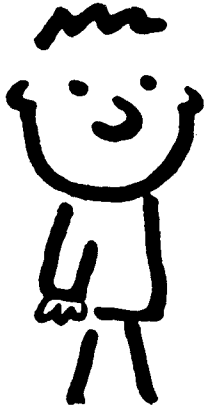
Tickets to the Hudson Vagabond Puppets are priced at \$8.50 for adults and \$4.50 for children. Tickets can be purchased at the Caltech Ticket Office, 322 S. Michigan Ave., Pasadena, and at all Ticketmaster outlets. Call (800) 423-8849 or (818) 356-4652 for information.



Jim's Journal



by Jim



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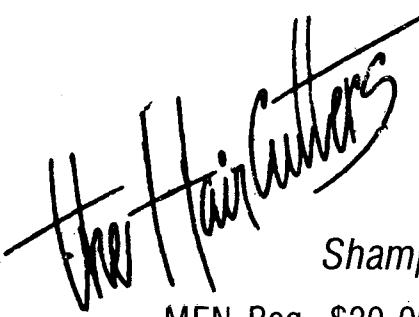
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The Nuns

(Push Boy Records)

Chris Pollett

I, your intrepid reviewer, picked up a copy of the NUNS' CD *Desperate Children* a couple of weeks ago. Sitting in the peaceful sanctuary of my room, I attempted to listen to it. Then somewhere in the middle of track four all hell broke loose. The CD started skipping all over the place. Puzzled I removed the CD from the player and examined it. The back of it had some weird kind of mold growing on it.

"OK," I said to myself, "I'll just wipe it off with some paper towels from the washroom." Little did I suspect that this mold had glue-like properties. So now I had this CD with all sorts of paper towel stuck to it. I was thinking, "Now the store will never take it back." Not to be deterred so easily, though, I poured water on it and tried to wipe it off with one of the maid service towels. I ended up with a gooey mixture of paper towel, maid service towel, and mold all over my CD. I was not in the best state of mind at this point. Twelve dollars down the drain and all that. I needed something that wouldn't stick to the CD to wipe it off. My finger wasn't abrasive

enough. So I licked it off. After doing this, my CD worked fine.

So was the NUNS' CD worth all this hassle? The NUNS were one of the first punk rock bands. Over the course of time, however, they have devolved into a cheesy fusion of alternative and heavy metal. They seem to have taken every possible generic song from these media and put their derivative version of it on this album. They have their "Aren't we bad? We worship Satan" song, the "Why does everyone keep putting us down?" song, and many more. They then sing these songs with such hollow conviction you're left giggling and comparing them with Spinal Tap. The NUNS have undergone many member changes over the years. One can't help but feel that they're just going with the flow: Caught in a permanently retro call for change.

The one half-decent track on the album is *Suicide Child II*, a remake of one of the NUNS' songs from their early years. They seemed to have realized this and done everything in their power to extend it into an eight minute epic. Even with this song, which is fun to listen to once or twice, one can't say this album's worth twelve bucks. Or a mold tasting tongue for that matter.

Bridge Without Sam

by Jeff Goldsmith

Kaboom!

Playing in a sectional swiss teams with my regular partner, I pick up as dealer:

♠K94 ♥93 ♦AKQ5 ♣J732

This is an easy 10 opening bid. Partner responds 1♠, and I have some choices. The first choice to discard is 2♣. If the partner take a (possibly false) preference to 2♦, I shall have to bid 2♠. Bidding three suits opposite a minimum response should show extra values and a singleton in the fourth suit. Playing 2♦ in a 4-2 fit does not suit me either. That leaves 2♠ and INT rebids. Normally, opener does not raise responder's suit without four cards, but a three card raise is sensible with good trumps and a ruffing value. Since I do not see any advantage to declaring from my side, and because I do not like to bid notrumps with a small doubleton in an unbid major when there is a sensible alternative, I choose 2♣.

Partner is not done; he bids 3♥. This is a "help suit" game try. He wants me to evaluate my holdings in the major suits and bid game with a fitting hand. I have a minimum in high cards and could not have less in the majors so I sign off in 3♠, which all pass. The bidding has been:

Me	Partner
10	1♠
2♣	3♥
3♠	Pass

By the magic of reporting, I shall move to partner's seat for the play. The opening lead is the trump deuce, and I see:

♠K94
♥93
♦AKQ5
♣J732

N			
W		E	
			S

♠J10873
♥A1062
♦J7
♣K9

I am glad we did not bid a game. Even though the hands fit reasonably well, there could easily be two trump losers, one heart, and two clubs. I also need to take care of the two long hearts.

What is going on in trumps? LHO is either leading from only small trumps (ugh!) or possibly underleading the Ace. He would not lead from the Queen into a probable 4-4 fit, so I must play the King from dummy at trick one. It holds. So he has underled Ace third. He must be hoping to get in again with the ♥K, intending to draw three rounds of trumps. Undoubtedly, he has further strength in hearts to back up his King. I would like to encourage this plan, so I lead a low heart from dummy and cover RHO's five with the six. LHO is wins with seven (those things never work) and, smiling the Ace of trump. I am the one who gets to smile when it drops his partner's Queen. Only one trump loser! Somewhat chagrined, he continues with a third trump, denying me my heart ruff. Instead, I pitch both low hearts on good diamonds and lead towards the ♠K, hoping for the Ace offside, which might create a swing for us. The King wins, though, and I score up an overtrick, to win 1 IMP on the board.

The American Contract Bridge League Nationals will be held in the Pasadena Civic Center March 20-29. There will be nice gifts for everyone and two for all novices. Caddies are needed during the week; the pay is \$40 per day (two-four hour sessions.)

The Caltech Bridge Club meets every Monday night at 7:15 in the Red Door Cafe and holds lessons for new players every Tuesday night in 72 Jorgenson Hall at 8:15. Everybody is welcome call Jeff Goldsmith at x2818 for details.

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The Inside World

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All Inside Worlds must include the author's name. Inside Worlds can only be written by current undergraduates. The editors reserve the right to edit any or all parts of an Inside World. No libelous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it libelous. Please submit a 3.5 inch Macintosh Disk by 8:00 PM Wednesday.

This Week's **Inside World** was written by:
Ricketts:Julius Yang & Steve Fought
Dabney 1:Mike Benedetti & Chris Dupuis
Dabney 2:Alf Mikula
Fleming:Steve Hoekstra &Timothy Wachholz
Page: Bryce H. Elliott

Blacker	0	0	0	1	0	0
Dabney	1	2	0	0	3	2
Fleming	0	0	0	0	0	1
Lloyd	2	1	0	0	0	0
Page	0	0	1	0	2	3
Ricketts	3	0	2	2	0	4
Ruddock	4	0	0	3	4	0

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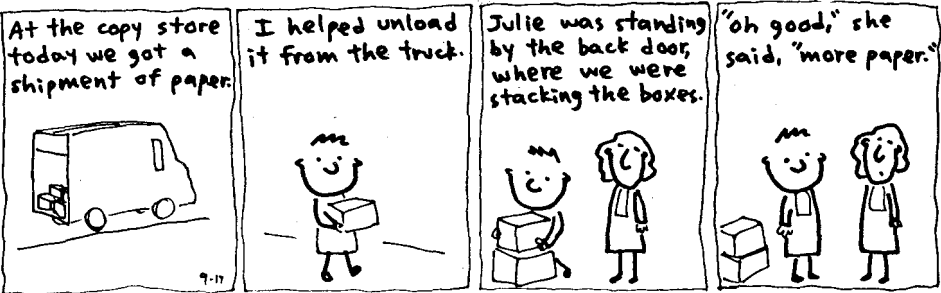
DABNEY

1
There once was a man who came
To Caltech, and found it quite lame.
The lectures were corny,
And he grew so horny
That he then proceeded to flame.
-Godot

Mr. Digital

2
There will be a seminar on how relationships don't work on Tuesday, March 3 at 8:09 pm in Dabney Lounge.

Jim's Journal



by Jim

FLEMING

A typical conversation among Caltech's uppercrust.

yeah. it's been a while... it's been a while for a lot of things.

Sorry Weasel, we all know it hasn't been all that long for you. Dick size included of course.

some of us got standards ya know, even that frosh pitcher of ours, not!

(Wine and Candelight, nudge, nudge)

Speaking of pitchers, we thought y'all might want to be advised that Caltech's greatest athlete made His debut this past week.

how did he do you ask? well, they only got three hits and one walk out of him... not bad, considering he faced four whole batters.

How many pitches did He throw you ask? Well let's just say that the Chronicle doesn't serve things up as finely.

so what da fuck...what da fuck's up with the 'what da fuck' gamblin man and his fascination with homersexual activities and stuff like that. any opinions on that one, farmboy1?

Well you know Farmboy2, da MAIN MAN was just propositioning me the other day, and I had to really stop and ask myself the frightening question— Would I really venture so low as to lick another man's scrotum for the price of say, \$1,000?, or maybe Would I take up Elle MacPherson's offer for wild uninhibited sex, knowing that when it was over I'd have AIDS, or my dick would fall off, or something equally disgusting? quit gittin filisophical on me ya dum hik Suck mine, you jis-drippin, ho-bag.

takes one to know one
Went in my ear and out my ass and now it stinks too.

oh so i guess you win that one. anyway what up with that Davey boy from 8 1/2. do he think he bad or something, little pussy-fink long-haired wanna-be-metalhead not-

Continued from page A

enoughin-beerin-drinkin-too-muchin-reefer-smokin ho?

He's just a ho, and he ain't no mo. and a bad ho at that.... back to baseball. the greatest athlete in caltech history just stopped by as we were writing, and asked us not to forget that he not only pitches, but he also gets all the respect and admiration of all the lesser players on the team by pushin' the pencil.

Second string pencil pusher, that is, behind Pinky frosh's one and only.

oh,yeah,that's right. speakin of crappin and pissin and pukin in bed, weren't you saying something about that earlier?

Oh, yeah, something about a quote. whaddya mean?

"Hurry up and serve dessert so me and Pinky can..." This said right after she apologized for brutalizing me for pretending to slap one on her man. I guess she saw me as a threat.

hmmmmmm. who's left for us to harsh on. you know, this hasn't been done in a long while.

What I want to know is, why everyone now talks in Tim Nelson phrasology? (Jas, Mom, etc.)

yeah, you know, when timmy-tim-tim does it, it's alright, i mean him bein a stupid hoser that don't know better, but what we got here is a bunch of wanna-be-stupid-hosers with timmy's accent.

Speaking of sub-par golf, how come they never break 90?

well, you know, with all the added pressures of college competition (yeah right) it's a lot tougher to perform up to standards. it's called no i'm not bullshitting you i usually shoot in the 70s it's just these last 25 times on the links i've had a bad day.

At least in Jas's case that could have something to do with MOM-weakened-legs, and Timmy-Tim has to rack his balls a dozen times a day, and I've read somewhere that your golf swing can be seriously affected by stroking alot (or something like that).

fb1 (or should it be bf1—bufu1?), you're one sick puppy.

Yeah, so what's your point?

no point. speakin of blunt objects, you seen maddog's head lately. one ned is enough. Top 189 reasons that one might lower their standards at Caltech:

are there 189 female-types at this fine institution?



PAGE

We assumed that 4AM would be obscenely early such that we would be the first people in the pre-reg line. However, we were told at 1AM that some people were already there. We went and got in line, and soon a frenzy erupted. By three, a line stretched out to Del Mar. At about five, a group of people in leather came by asking if this was the line to buy Anthrax tickets. Damn, weren't they disappointed when they got into the registrar's office. I think pre-reg is a stupid idea. I should be allowed to take whatever classes I please, and the rest of campus should rot. Beter yet, just hand me a degree, and let me the hell out of here.

I discovered last weekend just how much I enjoy bitching about things. Things like: my tuition, women who don't want to go out with me (this one still baffles me), Republicans in Congress, ex-Soviets winning hockey medals, and those little kernels at the bottom of the bag that don't pop.

Have you ever noticed how much small children look like reindeer when you staple antlers to their heads?

This place confuses me. The class I understand the best is the only class I'm failing (Ma2b). I also got a "deficiency notice" in Ph2b. It says I have a C-. Deficient? Hell, I was thrilled. With as much quantum as I know, I should have an F-.

I am...Ath Man! (Picture me in tights and a cape, flexing my muscles. If you don't know what I look like, picture Arnold Schwarzenegger in tights and a cape, flexing his muscles. If you don't know what he looks like, crawl back under your rock.) I'm going to begin awarding letters to anyone who can chug a 12-pack of beer in under 90 seconds.

Speaking of beer, here are the top 10 reasons that beer is better than women:

10) A beer won't slap you for putting it between your legs at a drive-in movie.

9) A beer won't mind hiding in the refrigerator when you girlfriend comes over.

8) You can try dark beers and lite beers without upsetting your parents.

7) A good beer is never flat.

6) Finishing a beer in three seconds is something to be proud of.

5) A beer doesn't make you feel inadequate if you can't get it opened.

4) You can have two beers in a row and still have enough energy for 18 holes of golf.

3) If your preference for a type of beer changes, you don't have to get involved

with lawyers.

2) A beer doesn't change its mind after you've taken off its top.

1) A beer looks as good in the morning as it did when the bar closed.

Smog sucks. My classes suck. This school sucks. Actually, this school could suck-start a Harley. Why didn't I go to one of those public schools that would've bought me a car, given me a 4.0, and allowed me to drink as much as I wanted.

Join the Texas Club if you're a Texan. Drop a note in box 853. On March 6, "Remember the Alamo!"

Bryan let his balls loose in Blackened. Katie played with them until she was sweaty and exhausted. He kept insisting he had 230 balls(What a man!), but he couldn't find them all when he was done.

Special thanks to the 5th Ward Posse.

"God damn, homey. My mind is playin' tricks on me."

-A sick bastard

RICKETTS

Nothing much happened last weekend. I slept through most of Saturday night. A couple of people knocked on my door and asked if they could use my bed, but I was already using it.

No seriously, everyone knows Apache (tm) happened. To all the gatecrashers:

You suck. Come by and pick up your free goofball buttons. Just think

of all the gatecrashers who saw our (hard won) Garter Contest (tm). Why, Pasadena Star reporters might have even taken incriminating photos of

Gisela, Hard-Drinking Frosh (tm). Those pesky reporters—have you seen

the National Enquirer recently? They're claiming professors were sucking

their date's face and TAs were climbing trees. Nah, that couldn't happen

here.

And now the section of the Inside World all of you but one have been

looking forward to: Senior Profiles (tm)!

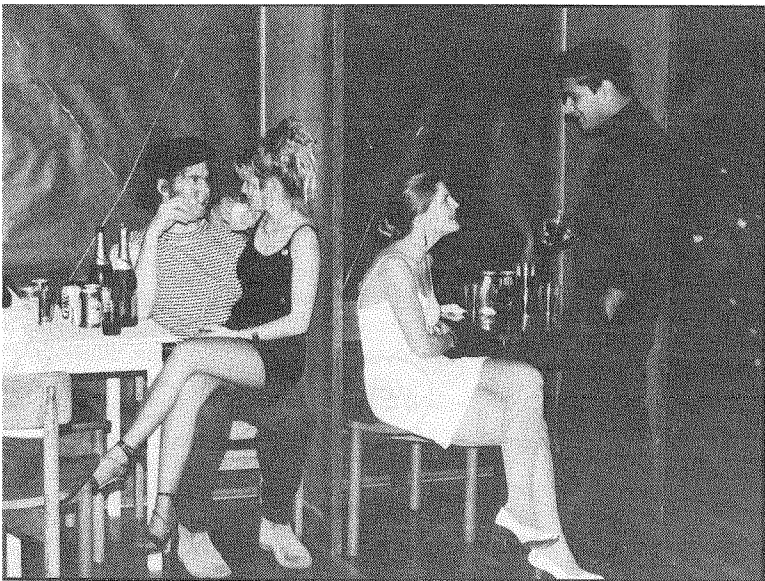
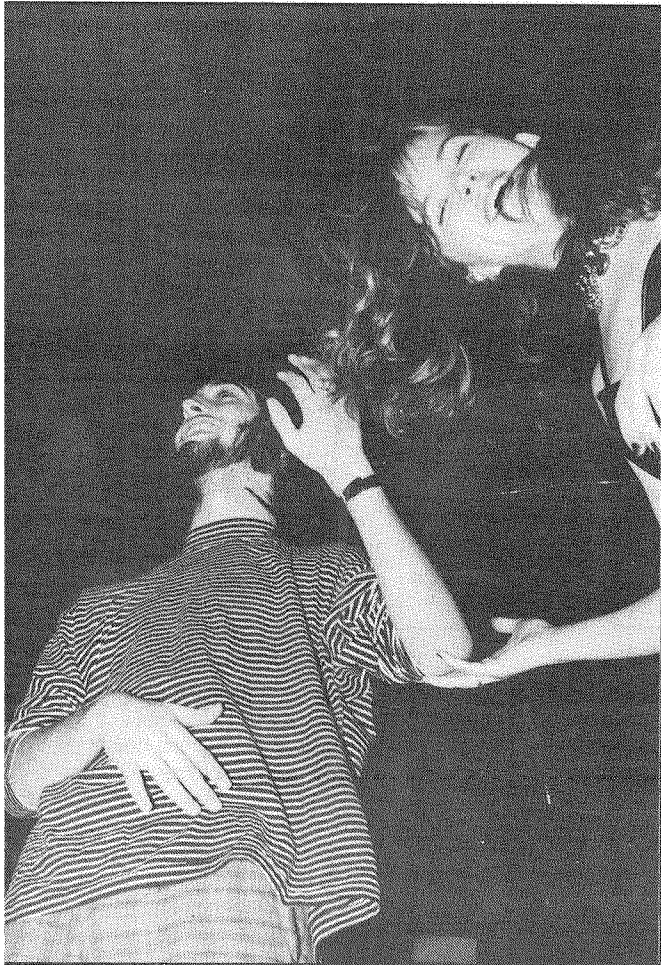
Our senior this week is Greg 'Tad' Hale (tm). Greg is an applied physics

major, with a minor in freshmyn tutoring. Though he sports a big gut,

(lose the gut, Greg) he is physically active,

Continued on Page D

Apache



-Photos by Julian Chen

Continued from Page B

preferring swimming and water polo to dwarf-tossing. He has never sported long hair, has never read Plato's Republic (tm), and believes that AMa95 should be a core course. Greg is unavailable to all you desperate women out there (I can hear the moans of dismay now), being attached, growth-like, to Christina. (Ok, so I screwed up her name last IW. You can't sue me.) Most seniors will remember the day when Greg at frosh camp walked up to President Everhart and told him he ate too much SPAM (tm).

This past Sunday we had a Discobolus (tm) spoon and egg contest with Page. Steve 'Iron Man' Fought placed a well-earned second in the individuals with a time of 2:11, while Jen 'That' Dooley 'Woman' anchored her relay team to a 6:53 victory. Unfortunately our greatest hope, Rob 'I can carry an egg on a spoon in my mouth all day' Miles, blew his chances when he was overcome with hunger and swallowed his spoon. Services will be held Tuesday afternoon with omelettes for all. Meanwhile, selecting a new RA goes on—our current #1 choice is Erich 'I will not be a pawn of the administration so you can do anything you like wherever and whenever you please' Schnoodler (tm).

In world news, Angus narrowly lost the South Dakota primary to Bush. It's still raining somewhere in the world, and

the Chicago Cubs have not yet won a World Series. And now, we go to David Perlman, our New Guinea bureau chief.

Anchor: So Dave, what's going on in that part of the world?

Dave: Fwoom (tm).

Anchor: I see. Anything else?

Dave: Bactine.

Elections are coming up! By the time you read this, Ricketts will have a new excomm. My predictions for winners:

President: Pablo 'I need a roompick' Thienprasit
 Veep: Pablo 'Get me laid' Thienprasit
 Treasurer: Pablo 'Four more years' Thienprasit
 Social Veep: Pablo '200 broomballs a term' Thienprasit
 Secretary: Pablo 'I'm literate' Thienprasit
 Ath Man: Pablo 'I'm pumped and you know it' Thienprasit
 Librarian: Pablo 'I read a book once' Thienprasit
 Food Rep: Pablo 'I eat in J-town every night' Thienprasit

Due to popular demand (unanimous, even), we bring back Matchups (tm):

- | | |
|-----------------|---------------|
| 1) Spoon | a) egg |
| 2) Rob | b) Miles |
| 3) Ph | c) 106 |
| 4) Ah | d) Posh |
| 5) Rick Moranis | e) Elmer Fudd |
| 6) (tm) | f) (c) |

- | | |
|----------|--------------|
| 7) Dave | g) Mickey |
| 8) Dave | h) Stereo |
| 9) Dave | i) Sparky |
| 10) Dave | j) 'Bite me' |

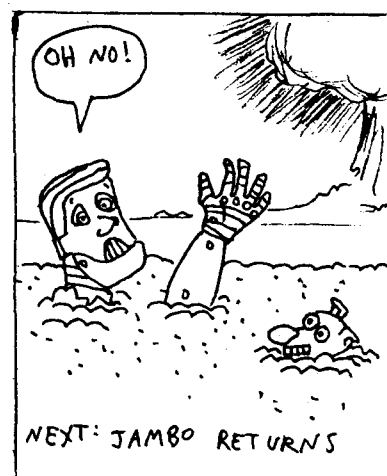
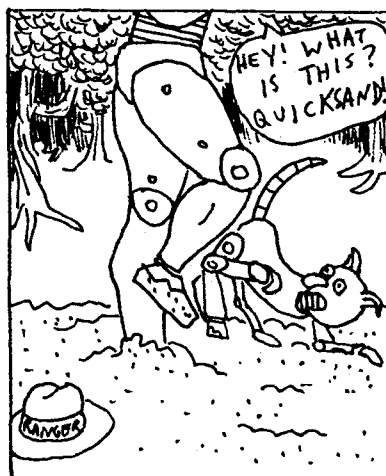
A typical day in the life of Julius Yang:

11:06 Wakes up.
 11:30 Eats lunch.
 12:45 Bemoans his fate. Does hasty homework.
 3:00 Goes to buff up in the weight room.
 4:00 Tries to astound you with a flex, causing you to laugh uncontrollably.
 6:20 Eats dinner, making a million funny jokes and causing you to hurl.
 7:00 Admires his airbrush work.
 9:32 Accidentally kills Dave.
 9:33 Laughs uncontrollably.
 9:40 Hides the body in the brakedrum.
 10:25 Goes on a Thelma and Louise style rampage across the country.
 11:17 Takes a nap.
 12:49 Begins to consider thinking about commencing daydreaming about starting 106
 12:49:30 Finishes 106
 12:50 Laughs at Xystus.
 12:55 Stabbed to death by enraged Xystus.
 11:06 Wakes up and realizes he has to lay off anchovy pizza the night before.

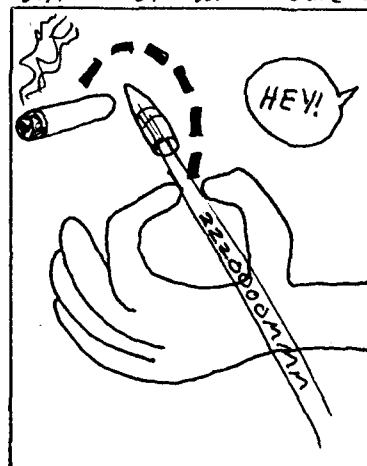
A typical day in the life of Steven Fought:

6:45pm Wakes up.
 6:50 Clenches fist.
 (Censored)
 8:15am Goes to bed with a smile.

MR. METAL AND HIS DOG SHINY BY TOM LECHNER



MR. METAL AND HIS DOG SHINY BY TOM LECHNER



Caltech
Y News

Lieven Leroy

Hot off the press from the Y... Plenty to see in the next few days. We've also nailed down times for all the Spring Break activities from the Y. The early stuff first:

Feb. 28-29: The African-American Art Exhibit is today and tomorrow in Dabney Hall. A large exhibit of work by contemporary artists. The artists will be around to answer questions. Drop in for a while, it'll be cool.

Feb. 29: The Disneyland trip isn't happening. Apologies to the one or two people who signed up, looks like everyone prefers to organize the trips themselves.

March 4: On Wednesday evening at 7:30, Ralph Leighton will be giving a talk on Tanna Tuva. What the hell is Tanna Tuva, you ask? Well, if you'd read 'Surely You're Joking, Mr. Feynman', you wouldn't have to. This place was a sort of running joke between Mr. Leighton and FEYNMAN. Apparently it really does exist, and Leighton found it. He'll be talking about it and his friendship with FEYNMAN. That's right, RICHARD FEYNMAN. Happy? If this doesn't draw in Techers, we don't know what will. It'll be in the Y Lounge unless it looks like there won't be enough space, in which case we'll move it to Baxter Lecture Hall. Please let the Y know if you're planning on coming, just so we know what sort of numbers we're dealing with. Not that we'll throw you out if you don't call...

Mar. 5: Dan Avidan will be talking in the Y Lounge from noon to 1PM. He is an expert on events in the Middle East, and will be talking on the recent changes there. The talk is entitled 'Witness to Peace.'

March 7: As seen in the Tech, the term's second Bonecrusher Broomball event. Sign up fast! Sign-ups will be available at the Y starting today, till Wednesday. \$25 per team, ten people per team (or more, if you like).

March 14-15: Second term Decompression! That's right, the end of the term is sneaking up even as you read this article. Decompression always needs volunteers, so please come sign up. We only need a few hours of your time, and you get first shot at the food. With a little luck, there'll be some tie-dyes among the T-shirts for volunteers. (Don't worry, if you don't want one, there'll be others too.)

Well, with that out of the way, let's look at what you can do after the term ends. Besides sleep.

- The volunteer trip to Tijuana will be a full week, March 21-28.
- The ski trip to Mammoth runs from March 22-25. With the help of a few other organizations, the Y is paying for part of the trip. Not to mention organizing the whole thing...
- The camping trip to Joshua Tree will be from March 23-25. The Y can supply tents, stoves, sleeping bags, etc. There will be some charge for food and transportation.
- The mountain biking trip will run from March 26-28.

If any of these events sound interesting, come sign up at the Y. There's still space in all of them. Or there was on Wednesday when I wrote this. The Y is on the second floor of the Winnett Student Center, x6163. The Y Excomm meets up there, in the Y Lounge, from 12-1 on Mondays. We're running on spare change for the rest of the term, so if you happen to come into a lot of money during the week, the Y will happily accept donations, no questions asked.

outside view

Khurram Dastgir-Khan

The Puzzles of Job Creation

On February 7, the Labor Department reported that the jobless rate remained unchanged from its January 1992 level at 7.1% of labor force, as compared to 6.2% in January 1991. The 7.1% unemployment rate translates into total of approximately 9 million Americans out of jobs, the highest level in seven years. A larger number of people are unemployed and for a longer time. The number of people out of work for 15 weeks or more rose 7.6%, to just above three million.

Corporate America is not helping either. Last week, General Motors announced the biggest single-year loss (\$4.5 billion) for any corporation in U.S. history. CEO Robert Stempel further poisoned the news by announcing that it was closing 21 plants, eliminating 16,000 jobs. What is good for GM is certainly not good for America anymore.

More alarmingly, the Labor Department's payroll survey during January 1992 revealed that 91,000 business payroll jobs were eliminated in January. Unlike other recessions, like the one in 1981-82, this time the jobs are likely to have disappeared permanently. The permanent elimination of jobs may be the legacy of this recession, which has already been noted by economists for its unusual unemployment effect. Perhaps for the first time in memory, the white-collar unemployment rate rose perceptibly whereas traditionally, the blue-collar unemployment rate sees most increases. Employers have also used the recession to streamline their payrolls permanently eliminating jobs. Many economists have thus argued that the economic downturn is in fact a long-term restructuring of the economy.


To be sure, the unemployment rate will fall once the current cycle of recession has run its course. But given the United States's increased trade problems and the menacing international competition, the unemployment rate is unlikely to fall to its pre-recession, July 1990 level of 5.1%. What we may witness, therefore, would be an upward revision of the "non-accelerating inflation rate" (NAIRU or the "natural rate") of unemployment from the prevalent range of 4.5-5.2% up to 6% range in the near future..

Although they may not know about NAIRU, but all recent opinion surveys indicate that common (which generally means non-college educated) workers have developed a deep seated fear that the job market is not likely to improve in the near future. Their fears are justified. Hence we see enhanced resistance to a free trade pact with Mexico, we hear calls of "America First" and we hear applause to Paul Tsongas's "call to economic arms."

The bells of doom can be rung endlessly. The question is: what can the government and business do to create jobs. Business, especially the influential Big Business and its theoretical supporters blame the job woes on government policy. Paul Craig Roberts, in a recent *Businessweek* essay, charged that this was a "policy-induced, fixed-investment contraction" caused by high state and federal taxes on business, discouraging investment and employment expansion. The neo-Keynesians, like John Kenneth Galbraith and Robert Reich, argue for a Public Works Program that will provide a large number of jobs at the government's expense.

The discouraging fact, however, is that there is little government policy can do to decrease unemployment during the recession. Small steps, like a decrease in the payroll taxes can be taken, but the effects will take months to work through the economy. The options for the long-term, on the other hand, are considerably greater. The governments, state and federal, can ensure adequate job supply in the future by investing in capital and human resources and providing the right incentives for businesses to do the same.

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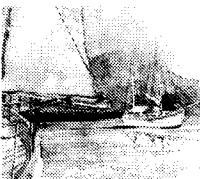
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SPORTS

Fourth Caltech Homeboy Biathlon

Andrew Zug

Where: South Corner of the Rose Bowl (Seco St. and West Dr.)
When: Sunday, March 8 Registration 9:30 - 10:00 am; Road Race 10:00 am; Bike Race 10:40 am
Cost: Free!
All members of the Caltech/JPL community invited

Caltech's very own Association for the Pursuit of Studly Deeds, otherwise known as Team Homeboy Biathlon/Triathlon Club has in the works yet another ASCIT sponsored event that promises fame, glory and pain for all. To be held on the morning of Sunday March 8, this term's race will be shortest and fastest Homeboy yet: a 5k road race followed by a 15k bike race. In an attempt to keep both the run and the bike races competitive, current Homeboy officers have decided to

separate the race into two distinct races. The road race will start at 10:00 AM and then the bike race will begin at 10:40. The winner will be decided by the fastest combined times.

Besides keeping the biathlon more competitive for the race leaders, Team Homeboy hopes that this new, experimental format will encourage participation of racers who just want to do one of the events as well as those who were wary of entering a race for which they felt they weren't prepared. By providing a short rest in between races, Team Homeboy hopes to build on the success of Homeboy Three (with forty competitors) and reach a larger crowd who will then want to compete in Homeboy's more difficult 1st term race.

While the new race format has met with widespread approval, the shortness of the race and the rest in between the run and bike has brought the race directors under fire from

some of the harsher members of the club. They have reportedly received such slurs as "wimp" and "skinny-ass runners" from a certain San Diego alumnus who felt that "If Jeff Martin can do it, it is not long enough." Nevertheless, this particular Homeboy is expected to fly into town just for this race, reportedly to "shave some heads". Word has it that perennial victim of the shears, Ned Bowden, has grown a full head of hair and thus stands to lose big. Another athlete who is expected to race is Caltech's resident professional Triathlete, Craig Reynolds who is "out for blood" in this race to amend "slanders" published here and elsewhere. Current odds-makers are taking this threat seriously and expect him to place in at least the top five. One disappointment that should be announced is that Homeboy Three's runaway winner, grad-student Rich Dissly, is not expected to race as he will be training for the Ironman with a little

skiing up at Big Bear. As for the rest of the field, little is known. In the last Homeboy race, the "athletic" houses of Fleming and Page were soundly trounced as a Darb came away with top undergrad honors and Ruddock filled the field with three times the number of young buff studs as either Fleming or Page.

Other miscellaneous details that you might need to know: food and drink provided (by ASCIT) after the race. Single race entries are welcome (ie. just the run or just the bike) as well as relays. Team Homeboy will try to provide transportation to and from the Rose Bowl for those who need it. Anyone wishing to volunteer to help on the race day would be considered really cool by the race directors. If you want to help or need a relay partner (and can't find one yourself) or just for more information, call Andy Zug or Ned Bowden at 585-8429.

Swimmers' Season Ends Fast

Clint Dodd

The swim season ended with the annual SCIAAC championship. The three day meet was held at Cerritos Swim Complex and found the Caltech swim team rested and tapered and ready to swim fast. On Friday the meet was planned to start slowly for the Techers, with the team's strengths showing up on Saturday and Sunday. But in the first event, the 200 Freestyle Relay team of Karin Johnson 28.91, Vania Lee 30.70, Jasmine Anderson 31.13, and Karen Ross 28.59 gave notice that they were ready to go. The time of 1:59.33 was a full four seconds better than any relay swam this year. Also Karin Johnson placed high in the 200 I.M. while dropping 7 seconds from her morning prelim swim to post an outstanding 2:44.56 in finals. Friday's outstanding swimmers were Tamaki Murakami swimming the lead of the 200 freestyle relay 23.42 and Karin's 200 I.M.

The next day found the Beavers placing high in the individual events as both Colin Humphries 9th and Chris Buchner 4th place in the 400 individual medley. Vania Lee swam to a 9th in the 100 fly while Karen Ross got an 8th in the 100 breaststroke. The Techers placed one, two in the consolation 100 yard breaststroke finals with Tamaki 1:04.94 and Eric Aamot 1:06.41. The end of the evening's events was the men's 800 freestyle relay. The team of Mark Savellano 1:59.36, John White 2:03.16, Tim Maddux 1:59.68 and Chris Buchner 1:54.11 waited until the last 75 yards to pull ahead of the Oxy team and touch them out by 4 seconds. Saturday's outstanding swimmers included Karen Ross 1:20.91 in the 100 breaststroke and Chris Buchner 4:35.53 in the 400 individual medley. Chris' 400 I.M. moves him to the third fastest person to swim that event in Caltech history.

The last day continued strong as Jasmine Anderson placed 12th, Chris Buchner 4th, Roger Moore 10th, and Eric Aamot 11th in the 1650 freestyle. Karin swam to a 11th in the 200 back, and Chris also doubled to win the consolation 200 fly, while Karen Ross finished with an 8th and Tamaki 11th in the 200 breaststroke. The last event of the meet, the 400 free relay, saw the women's team swimming tough as Jasmine Anderson 1:08.83, Jennifer Mullin pullout a lifetime best 1:10.92, senior Pam Katz Rosten 1:17.59 and senior Karin Johnson 1:06.54. The men's team kept pace with Buchner 52.08, Aamot 53.94 and the senior duo Tim Maddux 53.53 and Tamaki Murakami 52.37 ended their college swimming career with another fine effort.

The total team effort was highlighted by super individual performances by Jasmine Anderson who dropped 2 minutes in her mile swim, Leslie Preister and Kristy McAdams who improved every swim to post some great times in the 200 breast and 100 free, respectively. Chris Buchner held 1:04s per 100 yards to post a 17:37.99 for 1650 freestyle and then swam a fast 2:07.84 for the 200 fly.

Lack of number but not a lack of heart caused the Beavers to have a so-so dual meet season. This locked the women's team into a 6th place and men into a 5th place in the SCIAAC conference.

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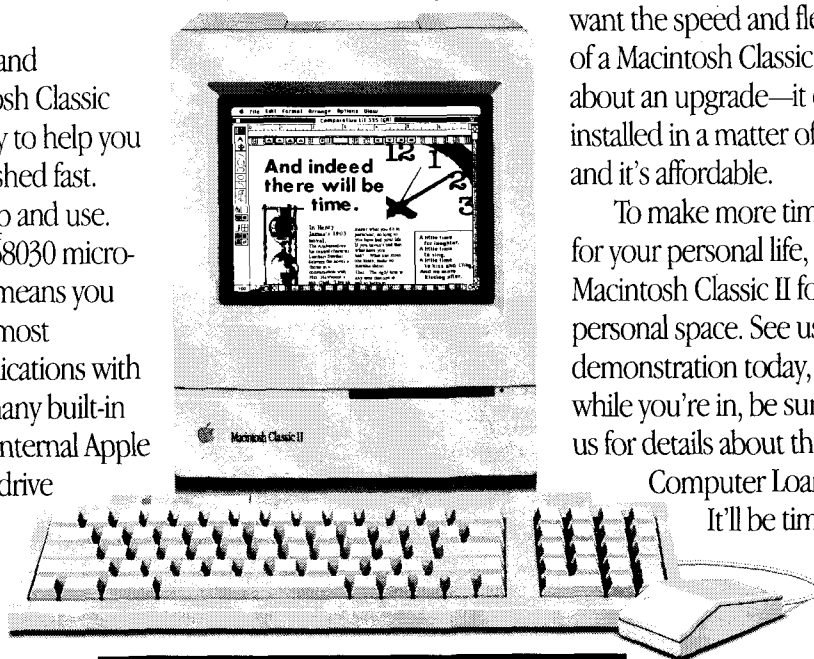
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Track Results

Ned Bowden

In the midst of what appeared to be a stage three smog alert, the Caltech track team competed in its second meet of the year last Saturday at Pomona Pitzer. This was one of the most competitive meets the team will participate in all season with teams from as far away as San Diego and against teams from NCAA Division One.

Two years ago Aaron Matzner went to the Division Three National Track Meet in the steeplechase, but he hadn't competed in that race since then. On Saturday he went out in an early season impressive 9:38 which would have been good enough to win the conference meet last year! All Aaron could say was that it was a "slow race" and to wait for later in the season.

In the discus Jeff Martin and Jeff Dickert competed against Dave Johnson (Olympic decathlete and God). Martin tossed a 107' and Dickert threw an 87' 9" (an improvement of over four feet from the last meet). When questioned about competing against Dave Johnson, Martin replied, "I was just glad to have some competition. He's an O.K. athlete, but Greg Dudey could crush him in the decathlon."

The other field events saw some excellent performances. Andy Crews continued to fly through the air as he jumped 40' 6" in the triple jump and over nineteen feet in the long jump. Greg Dudey pole vaulted twelve feet. In the javelin Matt Metz looked strong as he got a throw in of 155'.

The running events held some importance as the team was able to judge its ability against strong competition. Rob Whiteley dashed 11.87 seconds in the 100m race. The hurdle races saw Dudey, Adrian Hightower, and Metz all put in good performances. In the 4X400m relay the squad of Bowden, Matzner, Steiger, and Dudey put forth a fast effort for a 3:36 despite "looking like boys racing against men" as Aaron put it.

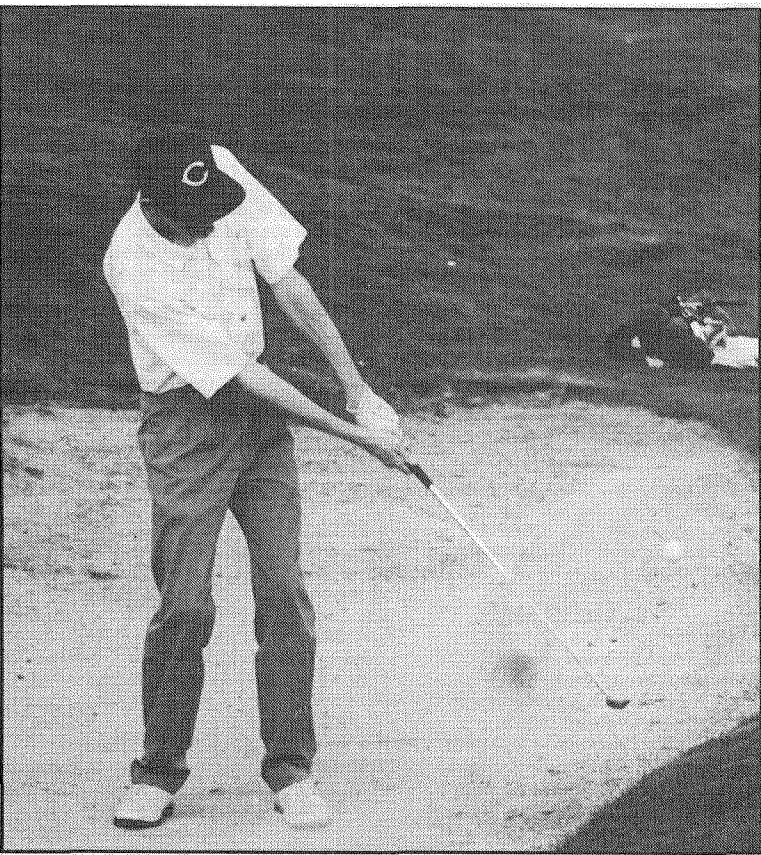
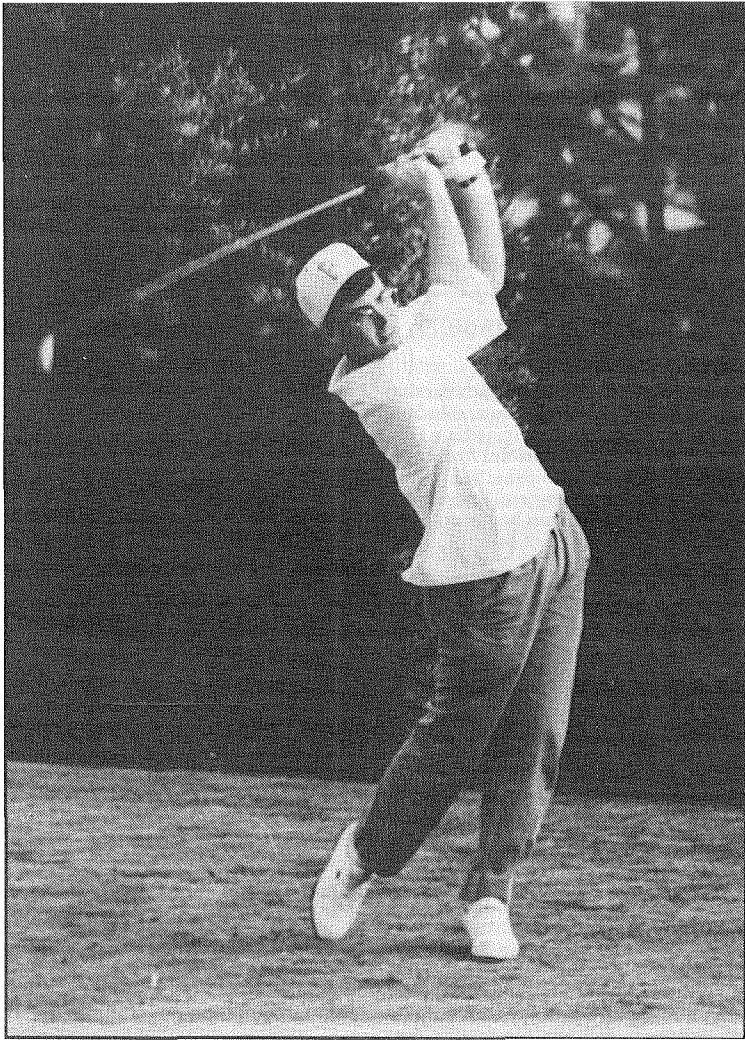
Our women's team also faced tough competition and ran well. Emmeline "Workhorse" Naranjo competed in four events. She ran both hurdle races coming in with an 18.69 seconds and 73.9 seconds in the 100m high hurdle and the 400m intermediate hurdle races respectively. Joan Marie displayed her speed over the shorter races with times of 14.01 seconds and 30.10 seconds in the 100m and 200m races.

In the distance races five women competed for Caltech. Tobe Corazzini sprinted her way to a 2:43 in the 800m. Afterwards she proclaimed that she would win the next Homeboy Biathlon in an impressive fashion. Later her roommate, who spoke on the grounds of remaining anonymous, told this reporter that she would take Tobe down in the Homeboy Biathlon. Alix Chen and Amy Hansen didn't hold anything back as they ran the 800m in times of 3:15 and 3:09 respectively. Fatima Ebrahim and Virginia Garcia ran hard in the 1500m. They both pushed the pace at the end to finish with times of 6:19 and 6:25.

The athletes who remained for the end were treated to pizza and soda at a local restaurant to celebrate the end of another meet. The next meet will be on Saturday, March 7th at Claremont College.

Golf Highlights

Right: Tim Nelson tees off.
Below: Brian Kjerulf escapes the sand-traps.
Photos by Chris Ho.



This Week In Caltech Sports

Track		
3/7/92	11:00 A.M.	at Claremont Mudd Scripps
Golf		
3/6/92	All Day	SCIAC
3/7/92	All Day	SCIAC
Baseball		
3/6/92	2:30 P.M.	vs. Cal Lutheran
3/7/92	11:00 A.M.	at Cal Lutheran
Men's Tennis		
3/4/92	3:00 P.M.	at Claremont-Mudd
3/7/92	9:30 A.M.	vs. Cal Lutheran
Women's Tennis		
3/4/92	3:00 P.M.	vs. Claremont-Mudd-Scripps
3/5/92	9:30 A.M.	at Marymount
Fencing		
3/1/92	10:30 A.M.	CSU Long Beach

SCOREBOX Standing

Basketball		
vs. Occidental	L 99-78	
vs. Whittier	L 77-43	5-20
Baseball		
vs. Whittier	L 14-4	
vs. Whittier	L 9-2	
	L 21-0	
vs. Cal-Poly J.V.	L 11-2	1-6
Men's Tennis		
vs. Whittier	L 7-2	

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what goes on

NOTICES

"Music of Our Time"- Mu36 is being offered in the spring term. The Course will focus on such notable composers of the recent past as Stravinsky, Bartok, and Schoenberg, and composers whose music is widely heard today such as Glass, Adams, and Corliano. The course will include attendance at live music concerts and a field trip to an electronic music studio to witness the production of music for a TV program or film. No music experience is necessary.

EVENTS

Friday Prayer - Prayers organized by Caltech Muslim Students are to be held in the Caltech Y lounge at 12:30 p.m. For further information contact Asim Mughal or Shameem Hashmi at 564-1701.

African-American Art Exhibit - The Caltech Y, the Urban League and Caltech present the *Second Annual Tribute to African-American History Through the Arts*. on February 28 and 29 from 12 noon - 6p.m. in Dabney Hall. The opening reception is on February 28 from 12:30 p.m. - 1:30 p.m.

BROOMBALL!!!! - Broomball is back! Sign-up at the Y. (\$25.00 per team) between February 28 and March 4. Hurry spaces are fillign up quickly!

Gay, Lesbian and Bisexual Discussion Group -meets the 1st and 3rd Tuesdays of every month from 7:30 - 9:30 p.m. in the Health Center. This confidential meeting is open to *all* members of the Caltech community. The first hour is devoted to discussion of a specific topic, and the remaining hour is open for general conversation and socializing. Refreshments are served. For information please call 356-8331.

The Caltech-Occidental Wind Ensemble will be performing in Thorne Hall on the Occidental Campus, on Thursday March 5, at 8:00 p.m. One of the works to played is *Centennial Suite for Band* by Les Deutsch. This piece composed for last year's centennial celebration attempts to depict the life of undergraduates at Caltech.

Before heading off to Boston during spring break, the **Women's Glee Club** will present a pre-tour concert in Dabney Lounge on Friday, March 6 at 8 p.m. The varied program will include choral works by Morely, Weelkes, Mozart, Brahms, Debussy and others. Tickets can be purchased from any Women's Glee Club member or from OPE for \$5. A reception will follow the performance.

Meet **John Doe** (1941), Frank Capra's dark portrait of publicity and power in late-Depression America, will conclude the Caltech Film Program's tribute to this famous alumnus at 7:30 p.m. Tuesday, March 3 in Baxter Lecture Hall. In attendance will be one or more of Capra's children to share with the audience their memories of their father and his lifelong relationship to Caltech. *Meet John Doe*, perhaps Capra's darkest film, tells the story of a homeless man, played by Gary Cooper, who is manipulated by the press and right-wing politicians to become a leader for America's struggling millions. Also starring Barbara Stanwyck, Walter Brennan and Edward Arnold. Admission free.

Classical actor **Brian Bedford** performs his one-man show **"The Lunatic, the Lover and the Poet"** on Friday, March 6 at 8 p.m. in Beckman Auditorium. Bedford explores the identity of William Shakespeare through his greatest sonnets and plays. In this production, Bedford plays Malvolio in "Twelfth Night," Macbeth, Bottom in "A Midsummer Night's Dream," Hamlet, King Lear and Romeo, to name a few. Tickets are \$25.00, \$22.50 and \$20.00; Caltech students can purchase half-price tickets in advance and \$7.50 Rush Tickets the day of the performance. Call x4652 for information.

The **Hudson Vagabond Puppets** will present **"Cinderella"** on Saturday, March 7 at 2p.m. in Beckman Auditorium. This is a Family Faire Series event designed especially for children and their families. The Hudson Vagabond Puppets act, sing and dance in fully staged productions with original music and choreography. The puppets are manipulated by actor/puppeteers clad in black, a performing style influenced by the ancient Japanese Bunraku tradition. This event will be ASL interpreted. Tickets to the Hudson Vagabond Puppets are \$8.50 for Adults and \$4.50 for children. Tickets can be purchase d at the Caltech Ticket Office and all Ticketmaster locations.

The **Cappone Duo** will perform on Sunday, March 8th, at 3:30 p.m. in Dabney Lounge. Violinist Allesandro Cappone and pianist Norberto Cappone make up th duo. The program includes Mozart's Sonata No. 10, K.378; Greig's Sonata in G, Op. 13; Webern's Four pieces, Op. 7; and Strauss Sonata in E-flat Major, Op. 18. The concert is open to the public, and is free of charge. Call (800) 423-8849 or (818) 356-4652 for information.

LECTURES

Ralph Leighton Lecture on Tuva and Richard Feynman - The Caltech Y presents Ralph Leighton and his lecture on "Tanna Tuva, Richard Feynman and Ralph Leighton Search for the 'Lost' Country." The lecture will take plac at 7:30 p.m. in the Y lounge(if the crowd gets too big look for the lecture at Baxter lecture Hall - see the Y door for instructions on Wed. 7:30 pm.m) on Wednesday, March 4.

The Caltech Hillel Roundtable presents **Dan Avidan**, a Middle East correspondent for the Israeli daily "Davar" and a commentator on current Middle East politics for Israeli television. He will give a speech entitled **"Witness to Peace Covering the Middle East Peace Conference"** on Thursday, March 5, from noon to one in the Caltech Y Lounge.

"Straight Talk About Party Safety", a presentation by the Pasadena Rape Crisis Center, will be given on Wed., March 11, at 4:30p.m. in the Winnett Lounge. The event is part ofd the Personal Security and Safety Program Series sposed by OWC and The Caltech Y. For more information contact Loey x6163.

LOST & FOUND

Missing Eyeglasses? - The Caltech Y has a pair of glasses in a floral case. The glasses were found in the Dean's Office Wednesday.

INTERNSHIPS

Monticello Foundation Internships - The Deans' Office is accepting proposals for the Monticello Foundation Internship. Three Caltech undergraduate women (current freshmen, sophomores and juniors) will be given an opportunity to participate in research projects outside the Caltech community for ten weeks during the summer. Each student will receive a \$3,500 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. The application deadline is March 2.

A Caltech alumnus, Elizabeth Mcleod Yeltverton, is looking for someone to work in her lab this summer at the University of West Florida. Her research is in microbiology

SCHOLARSHIPS, FELLOWSHIPS & COMPETITIONS

The **Myrtle & Earl Walker Scholarship** and the **William E. Wiesel Scholarship** from the SME Manufacturing Engineering Education Foundation are available. Among the criteria for both scholarships are being a full-time student and attaining a minimum GPA of 2.75. All materials must be submitted by the postmarked deadline of March 1, 1992.

Rotary Club of Los Angeles is offering a \$2,000 per year scholarship to current sophomores and juniors who are U.S. citizens or permanent residents. You must have a 3.0 GPA. The scholarship is based on merit, need, leadership and participation in a community service. Deadline to submit applications to the Financial Aid Office is March 2, 1992.

The **Marin Education Fund** announces the opening of their 1192-93 grant application process. For more details see the bulletin board outside the Bookstore or the bulletin board in the Financial Aid Office. The postmarked deadline is March 2, 1992.

The **American Scandinavian Foundation of Los Angeles** announces five scholarship awards for 1992 to upper and graduate students in business, arts, sciences and music with demonstrated interest in Scandinavia. Application deadline is March 15, 1992.

The **National Federation of the Blind 1992 Scholarship Program** is once again being offered. Applicants must be legally blind and pursuing or planning to pursue a full-time post-secondary education. All scholarships are awarded on the basis of academic excellence, service to the community, and financial need. The application must be received by the Federation by March 31, 1992.

Bell Mathematics Prize - The E.T. Bell undergraduate mathematic s research Prize of \$500 will be awarded for the best original mathematics paper written by a Caltech junior or senior. Contestants for the Bell prize must be nominated by a faculty member familiar with their work. Students who wish to be considered for this prize should contact a member of the mathematics faculty prior to the end of the second term to discuss the nature of the research. All contestants nominated must submit their papers in final form to their faculty sponsors by the end of the fourth week of third term.

Seniors Only

Jonathan N. Liljeblad

Another Side of Life

Over the last Christmas and summer vacations I had the opportunity of accompanying my grandmother (ex-nurse) on her volunteer shifts at the Texas Lutheran Nursing Home of San Marcos, Texas. A pretty good nursing home, overall, certainly one with much more personal care than most of the operations I have run across.

A few notes on life, to you in this land of youth, just so you think a little...

I accompanied one lady to visit her husband, who was a patient in the Alzheimer's wing of the facility. He was still ambulatory, but had lost his verbal and cognitive senses.

But he still recognized his wife.

My grandmother said that the lady had done everything she'd could to take care of him, but that in the end her family had managed to convince her that the burden had become too significant. But she continued to visit every day, and on this one day had brought pajamas and a blanket for him.

I wasn't the best volunteer I suppose, my grandmother had to keep nudging me around the home. It was all I could do just to keep moving.

Things became a little tight when he wasn't in his room and we had to look for him while his wife waited... We found him with a walker going down the hall.

And then his wife came over.

There was the grasping of hands, and then the contact of the eyes. She talked to him, placed his hands on the blanket. They walked down together to his room, slowly passing underneath the lights of the ward. I watched the two of them going away, for the moment together.

The worst part, as always, was the goodbye. At the moment she patted him on the arm and stepped away, he let out what I could only take as a moan...And then there were tears in his eyes...he tried to say something, but the best he could do was touch her with his hand.

I couldn't stand it.

That image is in my mind, the two of them crying there in that room while she waited to go and he struggled to rise...And I could do nothing except wait until she came out to return another day...

It shook me up pretty well.

So often I look around here and see nothing but youth... And it doesn't help that Caltech is in the heart of Southern California. I don't know...

Morgan Ward Competition - Open to Caltech freshmen and sophomores, this competition involves the submission by one or more students of a mathematical problem, with a solution or significant contribution towards the solution. Entries will be judged on the basis of the nature of the problem and the originality and elegance of the solution. Entries from each contestant or group must be placed in an envelope and delivered to the mathematics office in 233 Sloan, during the fourth week of third term.

2nd Annual Los Angeles Philharmonic Fellowships for Excellence in Diversity - Fellowships are available to instrumentalists who are Southern California residents between the ages of 16 and 30 and who are interested in pursuing a symphonic career. Fellowships range from \$500 to \$2,000 based on talent and need. The application deadline is April 10. Information and applications may be obtained by contacting James Ruggirello at (213) 972-0703.

The Financial Aid Office has information on how to obtain applications for the **Jewish Community Scholarship Fund** for the 1992-93 academic year. Scholarship recipients will also be eligible to apply for an interest free educational loan from the **Edward Meltzer Student Loan Fund**. Awards and loans are based on financial need. Deadline for submission of a completed application is April 1, 1992.

American Electroplaters and Surface Finishers Society (AESF) is offering scholarships for the 1992-93 academic year. Financial need is not a factor. Applicants should be majoring in Chemistry or the Engineering Sciences. The application and all requested information and documentation must be postmarked by April 15, 1992.



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