The California Tech

So why are we here?

VOLUME LXXXIX NUMBER 22

PASADENA, CALIFORNIA

FRIDAY 8 APRIL 1988

Techers Spring

Into Mexico

by Chandra Tucker

In a semi-isolated valley in Mexico, a few miles North of Ensenada, lies a cluttered grouping of houses and buildings. Over Spring Break, 15 members of the Caltech community ventured across the Mexican Border to this secluded place. They came not in hopes of cultivating a dark Mexican suntan, or in order to surf at the nearby beach, as so many Americans travel to Mexico for. They came, rather, to work.

The place is El Rancho Milagro, an orphanage for children ranging in age from toddler to teen. Run by Antonio and Edna Hernandez, the orphanage provides a "close to home" atmosphere for the children, who come there from all over Mexico.

The orphanage, being lowbudgeted and non-profit, has little funding to use to expand and/or improve the facilities. Much of the improvements to the place must therefore come from outside

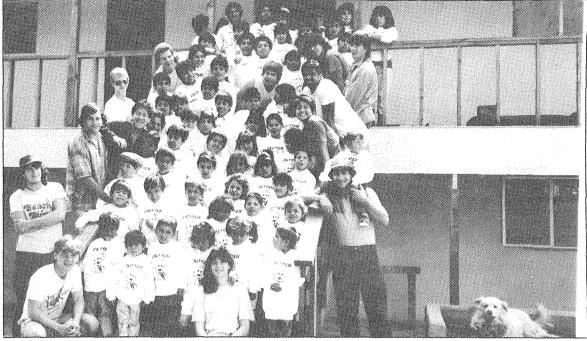
This is where Caltech fits into the picture. The expedition to Mexico was an attempt on the part of Caltech and students and staff of Caltech to help repair and improve the orphanage.

Specifically, the task the Techers were up against was the waterproofing and sealing (basically similar to painting) of a large, twostory, cement dorm. Supplies, such as sealant, cement waterproofer, wood waterproofer, brushes, buckets, rollers, thinner, and paint remover were brought from Caltech, as the orphanage could not afford to supply the group them-

The trip was organized by Geoff Piling, an undergraduate at Caltech, who began planning with a series of organizational meetings for all those wishing to become involved in the expedition. Funding was obtained from the Caltech Y (\$600), the Alumni Association (\$200), ASCIT (\$200), the Deans (\$200), the MOSH (\$150), and a sorority, Beta Sigma Phi (\$47). The total expenses came to \$1410, and donations amounted to \$1397.

Food and supplies for the trip were planned and then bought. Some organizations on campus helped to decrease the cost by, for example, giving supplies free or at a discount, such as the waterproofer from Physical Plant, and the donation of the Geology vans from the Geology department. The group of 13 undergraduates, one graduate student, and a member of the Astronomy staff eventually left for Mexico on Friday, Mar. 18. They took the Geology vans to just above the Mexican Border, where they then took a bus over the border to the orphanage.

The facilities for the group were quite barren. Basically, the group had access to a few picnic tables, a firepit, a large field with trees, and, of course, an outhouse. The Techers, however, were prepared with tents and sleeping bags



Orphans in Tech sweatshirts stand by their newly-painted dorm, along with (counterclockwise) Geoff Piling, John Gehring, Todd Kaplan, Mitch Pravica, Larry Canino, Chandra Tucker, Bassem Mora, Sayuri Desai, Chandra Raman, John Hoskins, and Paul Gentieu.

and hundreds of gallons of clean water that they brought from the

Helen Knudsen, the one staff member in the group, organized a sort of "kitchen" out of some of the picnic tables, whereby she could cook the masses of food that had been brought down. Her cooking was well-appreciated by hungry students seeking satiation.

The actual painting and dorm improvement went rather well-better, in fact, than expected. The job, which was expected to take a couple days at least, was completed on Saturday. The rest of the time (the trip was planned to last through Wednesday) was devoted to touching-up Saturday's work and even to new tasks. Because the work was completed so soon, a number of the group (nine) left early on Monday afternoon.

The highlights of the trip for both Techers and orphans undoubtedly came when the work was finished and the two groups were able to interact with each other. Although at first the children were a bit shy and hesitant at approaching the newcomers, eventually, with the encouragement of the Techers, they began to talk and generally goof off with the group. Soon, Techers became swamped by children wanting to play with a camera or look at a watch, or wanting to play-fight with sticks, or just seeking a hand to hold.

Verbal communication was tricky, as most of the Techers had had little, if any Spanish. Still, they managed to communicate through a combination of broken Spanish (a few key phrases) and gestures. The children were fascinated with all aspects of American society and technology, and looked up to the group from Caltech. Still, they were not totally isolated, as they had a few items expressive of our society, most notably a walkman, a UCLA Bruins sweatshirt, and a Espirit T-shirt.

In fact, some members of the orphanage seemed to be more technologically minded than, amazingly enough, Techers. The Director of the orphanage had obtained some scaffolding for painting the dorm. Techers tried, again and again, to put the scaffolding together. At last, some older children from the orphanage came and deftly and speedily put the scaffolding together.

Caltech, however, showed its ability for creative ingenuity when their tent with the regular poles and ropes, ended up duct-taping it to a

hoto by Bassem Mora

New experiences abounded throughout the trip. Most of the techers had never been to Mexico, and were fascinated by all the sights and experiences: the crushed and abandoned cars at the side of the narrow roads, the border and all that it represents, the different environment (especially the abundance of rattlesnakes), the strange customs and laws.

Another interesting experience occurred on Sunday. As the orphanage is religious-based, Sunday is a non-work day and the children spend much of the day in church. The Tech group was invited to attend a special service that was for a girl at the orphanage who was "coming of age." They sung many songs and even played tapes, which all the members of the orphanage enjoyed. At the end of the service, the girl's birthday was announced and the service was dedicated to her, at which time all the children walked up in single file and gave her a hug or shook her hand.

On Monday, before half of the group left for Caltech, the children of the orphanage were given a surprise. The Caltech Service League had provided the group with close to 60 Caltech sweatshirts to present to the children. The children were delighted with the sweatshirts, and the Techers found about 60 Einstein faces staring out at them.

All in all, the trip to El Rancho Milegro was enjoyable, educational, relaxing, tiring, inspiring, ex-

Taxpayers Risk Cheating

by Douglas Cheney

Do lower taxes mean less tax cheating? Dr. Louis Wilde addressed this questions and others in second of Caltech's Winter/Spring Watson Lecture Series: The Tax Compliance

After five years of research within our economics department, Dr. Wilde and his colleagues have concluded that the Tax Reform Act of 1986 will encourage more tax evasion if present IRS auditing trends continue.

Since the sixties the annual rate

dropped to 1.09% of the total returns filed. This decrease can be attributed to increased emphasis on other responsibilities, a heavier workload, and what they claim is a more efficient process of finding offenders

In an attempt to maintain pressure for tax compliance, the IRS has drastically increased the penalties levied against those caught cheating. Dr. Wilde feels this is not working however as the average tax compliance for businesses and individuals is estimated at 80-85%.

To help predict the effect of the

developed a game format to model the taxpayer-IRS relationship. Assuming both sides are rationally working to "earn" the most, the taxpayer decides that if tax rates are lowered, penalties will also drop. This will reduce the taxpayer's risk for cheating and will encourage more tax evasion.

How can compliance therfore be increased? Dr. Wilde's advocated simplifying the auditing process and increasing the auditing rate. He was happy to report Congress has realized this and is now beginning hearings on how to improve the eq-

Three Chosen by AA

Dr. Louis Wilde describes the problems of tax compliance at the Earnest C. Watsor

Lecture last Wednesday.

photo by Michael Keating

[CNB] Thomas E. Everhart, president of the California Institute of Technology and professor of electrical engineering and applied physics, Murray Gell-Mann, Robert Andrews Millikan Professor of Theoretical Physics, and Don L. Anderson, professor of geophysics and director of the Caltech Seismological Laboratory, have been chosen as Fellows of the American Association for the Advancement of Science (AAAS). This honor is conferred on AAAS members "whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished."

Thomas Everhart, a national spokesman on science and technology, became president of Caltech in 1987. He had previously been Chancellor of the Urbana-Champaign campus at the University of Illinois, and before that he had been dean of the College of Engineering at Cornell University. His main areas of interest and expertise have been in the research and development of scanning electron microscopes, electron beams as applied to semiconductor analysis and fabrication, and electronbeam recording.

Murray Gell-Mann won the Nobel Prize for physics in 1969 for his theoretical work on the structure and organization of elementary particles; he proposed quarks and gluons as the basic constituents of nuclear particles. He is also noted for his work on the conservation of forest ecosystems and for efforts to ensure the freedom to teach biological evolution and the history of the universe in the nation's classrooms. He has been on the Caltech faculty since 1955.

Don Anderson is internationally recognized for his work in geophysics, much of which is concerned with elucidating the structure of the Earth's deep interior. As director of Caltech's Seismological Laboratory, he oversees the Southern California Seismographic Network, jointly maintained by Caltech and the U.S. Geological Survey. This is the most extensive network of seismographic monitoring stations in the world. Anderson is a Caltech alumnus (MS 1958, PhD 1962), and has served on the Caltech faculty since Sergeant York manoevers his way stealthily through

the thick clouds of deadly mustard gas...

So you see, Oprah,

the consumer, and

simply offerredmy

I saw a need in

product!

The California Tech

Editors-Eric Fung • Stephen Lew • Chandra Tucker

ENTERTAINMENT Andrew Hsu

SPORTS Scott Kister

Рнотоѕ Alex Athanasopoulos ANNOUNCEMENTS Josh Kurutz

letters

Grades

To the Editors:

I would like to complain about the grading policies of several Caltech courses. I'm not referring to any specific kind of grading policy, for I believe that an instructor has the right to grade his course however he feels is reasonable. What I do object to is the unspecified or nebulous grading policies that many instructors seem to employ.

As an example, in AMa 95a, Dr. Cohen announced that the midterm would count equally with the final, unless the final was substantially higher, then the final would count more than the midterm. Homeworks would not count, except in cases where a student was close to the next letter grade. Then the homework would count to "push him over the edge."

In AMa 95b, Dr. Saffman announced that the final grade would either be 20% midterm, 37.5% homework, 37.5% final, or 50% midterm, 50% final, whichever of the two was higher. Although this policy was less nebulous, it was not announced until after the course was finished.

These are good examples of an unfair grading policy. Of course, in a perfect world, I would complete all the assignments in all my courses to the best of my ability. However, I (like most other Caltech students) have an extremely large workload and I'm forced to budget my time. Sometimes, I will be short on time and I will have to rush through, or even completely skip, a homework set. It's important that I be able to set my priorities so that I can work most effectively. If there is no clear policy describing how my homework scores will affect my final grade, how can I set my priorities?

Perhaps Dr. Saffman realized this when he conceived of his rather convoluted grading scheme. What Dr. Saffman may not realize is that in a class with unrestricted collaboration on the homework sets, it is not difficult to get a perfect homework score. Therefore, nearly everyone who did the homeworks got a guaranteed 37.5% in their final grade. In a curved class, this is a definite advantage.

Of course, my complaint is not only with AMa 95. I feel that this is a common problem with Caltech courses. I would simply like to ask course instructors to show some consideration for their students by devising a well-defined, clear grading policy, announcing it at the beginning of the class, and adhering

> Sincerely, Michael H. Douglas

PLO Charter

To the Editors:

This is in response to a letter of Margaret Katz of Mar. 23 in The California Tech, which calls for, among other things, a recognition of the PLO by the US and by American Jews .

The PLO is a major political organization that operates by a charter, which is known as the Palestinian National Charter, or the Palestinian National Covenant. It is a serious document that deserves attention. Individual Palestinians, like individual Israelis, cover the entire spectrum from the ultraliberal to the Arch conservative.

The charter is important because it is the result of careful and long deliberations which reflect broad consensus among the various Palestinian factions. It is debated regularly by the Palestinain National Council and is occasionally amended. It is not an archaic, idle, or rhetorical document. In addition to setting goals, it presents a clear political program and framework. Mr. Arafat, as powerful as he may appear, is actually bound by the charter. In fact, careful reading of what Arafat says shows that the freedom that he allows himself is within the possible interpretations of the charter. Arafat could not negotiate with the Israelis or the Americans about issues that go against the heart of the charter even if he wanted to. Just as an American president could not negotiate with the Russians or Europeans about the issues that would be against the essence of the American Constitution.

The charter, therefore, deseves careful study by anyone who is seriously interested in the Mid-East conflict. The Humanities L:ibrary in Millikan has at least one book, devoted in its entirety, to the

charter. In addition the charter is reproduced in the appendices of several books that deal with the Middle East conflict.

The short is that the charter does not recognize the right of the Jews to anything in Palestine, except the right of "Dhimis", i.e., a religious minority, and even that, only to Jews who were in Israel before 1917. In paticular, the charter explicity rules out any partitioning of Palestine between Arabs and Jews. Self-Arabs determination to the Palestinians in the West Bank and Gaza, is not, according to the charter, a solution of the problem. The annihilation of Israel is.

Let me quote:

Article 2: Palestine, with the boundaries it had during the British Mandate, is an indivisible territorial unit.

This includes the territories now known as Israel, Jordan, Gaza and the West Bank.

Article 6: The Jews who had normally resided in Palestine until the beginning of the Zionist invabe considered will Palestinians.

This means that only Jews who lived in Israel before 1917 have a right to stay. This would make more than 90% of the Israelis refugees. Incidentally, this is an amended article that replaces a more moderate attitude of the 1964 covenant.

Article 20: "...claims of historical or religious ties of Jews with Palestine are incompatible with facts of history."

Article 22 is particularly explicit. After an introductory no excuse for your changing it, paragraph that serves to equate Israel as an instrument of Zionism it states "...the liberation of

and imperialist presence..."

Yes! and, infact.

Wow, so you just

dropped out of

INSTANTLY

C.I.T. and became

... Suddenly, he bumps

into an enemy sentry!

Recognizing, or endorsing the PLO implies, inter alia, an endorsement of its covenant, at least in its general spirit if not in every detail. Israel can not, of course, do so and I hope that neither the US nor US Jewry would. Most of the world recognizes the PLO, and consistently with this fact, does not recognize Israel. The PLO has made very significant political progress in terms of international recognition and widespread public support. This progress gives the PLO little incentive to moderate its maximalistic platform, and it now appears to make a successful attempt on American puclic opinion and Jewist public opinion with this very same official charter.

No meaningful peace process can be initiated in the Middle East which involves the PLO with its present charter. An important step forward would be an amendment of the PLO charter that would eliminate the annihilation of Israel as a main objective, (this is distinct from, and weaker than, recognizing Israel), and would not explicitly rule out partitioning (without necessarily endorsing it).

> Sincerely, Yosi Avron

Peace

"PEACE IS POSSIBLE in the MIDDLE EAST" is the heading I submitted with my letter of last week. Even April Fool's Day was since I had been informed that ads plus my letter would be straight. Bill Swanson, in his earlier report Palestine will destroy the Zionists on the "Options for Peace" evening, had already given us a fool's coverage by reporting not what the speakers had said, but rather quotes from a hate sheet distributed at the door. Swanson did not reveal the source of his wisdom. Whatever happened to the Caltech motto:

"The Truth Shall Make You Free"?

LC 88

Sorry, professor,

smogis really

thick today.

where are ny glasses?

Wakeup Guy, lecture's

I'm still in

chool, huh?

Sincerely, Margaret Katz Astronomy, 105-24 For the record, the heading was changed to: "PLO For the Palestinians" due to a lack of communica-

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sports

Track Team Romps

by Alex Athanasopoulos

Last week's track meet was a home meet against only two handfulls of athletes from Masters college. Other colleges were invited, like UCSD and USD, that would have added more competition, but they turned us down. Our men won easily with the score of 105-39, and our six women beat their three competitors 61-16.

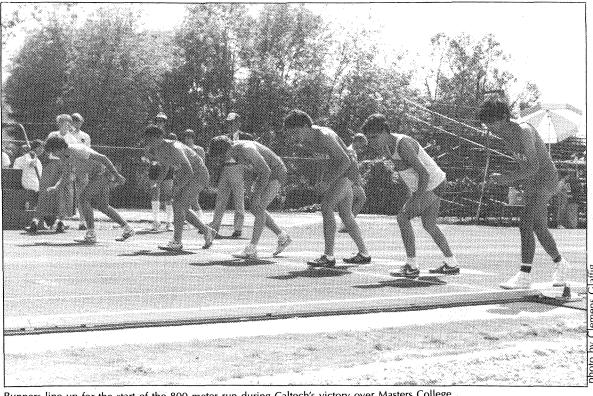
Freshman Kitt Hodsen ran her first meet for Caltech, and did pretty well, running the 100m in 15.0. She also ran the 400m, where she finished third, shortly after Bibi Jentoft-Nilsen, in a race that was won in 1:09.1. Golda Bernstein and Bibi were the only runners in the 800m. Margir Pollack raced most of her 3000m alongside one of her competitors, whom she finally passed, earning herself a good finishing time. Christina Garden ran the 1500m, and the 100m. In the 4x400 relay, the girls ran 4:59.2.

There were no girls from Masters in any field events, so Bibi the high jump by herself

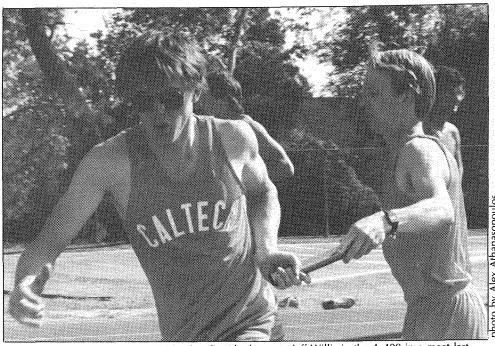
(4ft,3in). Facing no competitors, Liz Warner placed first in three field events: long jump (4.35m), discus (29.79m), and triple jump (8.86m). She also ran the 100m hurdles in 19.0, 0.8 seconds faster than the time of Ray Sidney in the 110m high hurdles, which he ran alone as well. Ray also cleared 12ft in the pole vault, the event for which he practices most.

The men had more notable performances than the lack of competition and the heat justified. Randy Ralph went over 6'2" (1.87m) in the high jump. Sean Hillyard ran 53.5" in the 400m, and Tom Tetzlaff 24.1 in the 200m. Steve Harkness put the shot 10.84m, and Ed Mao won the discus with 30.93m.

In contrast with last week's "family" meet, tomorrow's meet is going to be very competitive since the strong teams of Pomona and Redlands are going to simply come here and beat us, while our men are going to get away with a win over



Runners line up for the start of the 800 meter run during Caltech's victory over Masters College



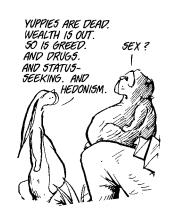
John Gehring hurries off the track after handing the baton to Jeff Willis in the 4x400 in a meet last

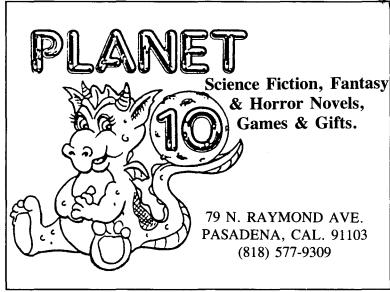


Jimbob's throwing motion amuses the umpire between innings of a game against PCBBC.

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WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	4-8	3:00 pm	Baseball	Redlands	Caltech
Fri.	4-8	5:45 pm	Ice Hockey	Cal State Northridge	Pickwick Ice Arena
Sat.	4-9	10:00 am	Tennis (W)	Claremont-Mudd-Scripps	C-M-S
Sat.	4-9	10:30 am	Ice Hockey	USC	Conejo Vallev
Sat.	4-9	11:00 am	Baseball (2)	Redlands	Redlands
Sat.	4-9	11:00 am	Track	Whittier, Pomona, Redlands	Caltech
Sat.	4-9	1:30 pm	Tennis (M)	Christ College	Christ College
Sun.	4-10	8:45 am	Ice Hockey	Cal Lutheran	Conejo Valley
Sun.	4-10	1:15 pm	Ice Hockey	U.C. Irvine	Pickwick Ice Arena
Mon.	4-11	1:00 pm	Golf	Whittier	Occidental
Tue.	4-12	3:00 pm	Tennis (M)	Whittier	Caltech
Wed.	4-13	1:00 pm	Golf	Redlands	
Wed.	4-13	3:00 pm	Tennis (W)	Mount St. Mary's College	Claremont
Fri.	4-15	3:00 pm	Baseball	Whittier Waly's College	Caltech
Sat.	4-16	10:30 am	Tennis (W)	Redlands	Whittier
Sat.	4-16	11:00 am	Baseball (2)	Whittier	Redlands
Sat.	4-16	11:00 am	Track		Caltech
Sat.	4-16	2:00 pm	Tennis (M)	La Verne & Occidental	Redlands
	1 10	2.00 pm	Tellins (IVI)	Claremont-Mudd	Caltech

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The Inside World

Inside World Editor: Dave Long

This week's Inside World was brought to you by:

Blacker: Marty O'Brien Dabney: Al Petterson Fleming: Pierce Wetter

Lloyd: Rob Jarecki and Chris Nolle

Page: Dean Wilbur

Ruddock: Betsy Andrews, Cameron Campbell, Wayne Lukens,

Jamal Yusef

Blacker: "Tom"

Well, Allan, we gotta hand it to you. With the Master breathing down your neck for all this time, you still managed to hold out until the third term. That's longer than anybody else has been able to hold out. Well that's not quite true. Ken Andrews has been holding out for a long time. And so has Glenn, for that matter. Come to think of it, Matt has avoided he who is dark for quite a long time. And so has Viola, and Phil Nabours, and ...

"& Anna"

Easter Egg Hunting was.

"Tom"

"Anna"

In any case, room picks went uneventfully for those all who chose to remain within the hallowed halls of Blacker, though we've heard a few unsubstantiated reports that through a bizarre room pick accident, John Hart became stuck with Dirk in a Fleming single, but that's another story. Also note that Ken and Erik are rooming together this term, meaning a two-for-one special on RF's for anyone who's interested.

"Anna"

"I want to make a lot of money this summer so I can chase girls."-Marc Abel

"& Tom"

Haiku is stupid Senior Ditch Day's tomorrow Let us shower Rob

"Anna"

"Tom"

-Hintor:evil master of subtlety

Dabney: Well. Entertaining roompick, there. Little bit of a herd instinct among the froshlings... Certainly the most interesting, of course, was room one, with Susan's new roomie Juanita. I'm not so sure Susan knows what kind of girl she's taken up with. I don't think Juanita likes men... Hey, if we picked a frosh named Ed next year, and he roomed with Dave Bourgeois' roommate, what would that have in common with room one?

"All in favor of fifty dollars for the marine biologist?" "yeah." "All in favor of seventy-five dollars for a beach trip?" "yeah." "All in favor of agreeing to everything Danny says?" "yeah." We could wonder about the wisdom of scheduling everything late in the term after everyone's flamed out, but the important stuff is as tradition demands. Drop Day falls on the day of the week that God intended this term: it'll be a good party. Guaranteed.

It takes a certain amount of self-control to produce a house list that doesn't include one's own address. "So there aren't too many quotes on it. You can wander the house and read them yourself." Oh, these underclassmen...

The voting B(I)OCs created a new rep... the ROC is at last a thing of the past. "Charles the BOC Fu"? Sounds like a noodle dish." -Erick S.

Such divine nerve even releases energy vented each night to a hot tub with oh, heavenly sensual evocations handsomely treated. On the second day, Nelson entirely ignored research forbidding young mechanics' knowledge capacity. As Brian emoted, "Make Olivia costar: let's even watch!"

Alley 2 is now the official training grounds for the Dabney QED team. (Except when they move their training equipment elsewhere, like the sleeping porch, or the courtyard, or the dining room, or the Fleming courtyard...) Those Scurves are quivering in their boots. No chance, you losers. Give it up now. Your only hope is for the judges to be so... uh, overcome... by their proximity to the contest that they fail to notice the winner. But we'll just have members of Alley One judge... they're used to the smell.

Vicki thinks we should advertise for a female to sit in the hot tub nude.

I think she's been hanging around Dirk entirely too much. ("That's not nice!"
-Vicki) One wonders about the kind of ladies we have in the house... what with her, and Juanita, and ...

Has ANYBODY finished second term yet?

Vicki broke her condom.

The claim is that the Term From Purgatory was (is) worse than the Term rom Hell. (Certainly more people flamed.) What, then, does this say about the Term From Heaven? The inevitable, of course: Foyvj Fsu od yp,pttpe.

- Hidden message? What hidden message?

Fleming: Disclaimer: This insuide world was written in even less time then last weeks and will probably be at least as bad. Funerals Suck!

Well, just in case you haven't been around, Fleming is still the God awesomenest house around, Seniors still suck, and I haven't got laid in a long

Interesting tidbit: Dave Park can say 'Daniels is a fag' in three languages. Last Weeks Social Event was awesome, of course. This weeks social event is puking in the Ruddock courtyard. Party theme is 'The Party From Hell' (or is that IN Hell?), so wear red. Remember: God-Awesome Fleming Ultimate Practice Today. Be there or have to perform kinky sex acts with JJ.

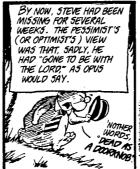
Well, there is still one empty room on campus. Transfer now while supplies last. Speaking of Transfers, welcome to the house Vick. You know, if Farrrruuuuuukkkkkkhhhhhh moved on, we'd have to sing a new song: Farukh, Farukh, Farukh is on campus.

Go turn on the shower, we'll wash the MF now...

By the way, none of the other commie-pinko faggot alleys have challenged the Supreme Mastery of Alley Five, which just goes to show. Linda's been gone for only a week, and already I miss her. Sniff... Maybe, she'll come visit me.

It's RA interview time, oh boy. Well, I'm out of time so signing off this is KFLM, blasting your way with nearly 100 yards of manly distance. -NeanderFlem? NeanderFlem Who?

please see INSIDE WORLD, page 5



















STEVE DALLAS HAD PASSED ON WITHOUT A WILL. A MEMBER



IT INCLUDED : LAW BOOKS . A FRAT PIN , LOOSE CHANGE

AND A BOTTLE OF "OLD SPICE



A BOX OF TROJANS WAS ALSO FOUND AND, AFTER MUCH PEBATE, FINALLY IDENTIFIED



















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New Movie Revues

by Andrew Hsu

BRIGHT LIGHTS, BIG CITY

One of the most hyped movies out the of the current crop of spring movie releases definitely has to be Bright Lights, Big City (rated R, playing citywide). Then again, this movie is definitely hard to ignore with such an all-star cast, headed by Michael J Fox, music by Donald Fagen, and a screenplay based on a best-selling novel. But the old maxim that you shouldn't always believe what filmakers advertise definitely applies to this

Michael J Fox plays Jamie Conroy, an aspiring writer currently working in the department of factual verification for a magazine with an uncanny resemblance to the New Yorker. While his job is portrayed as a typical unrealistic deadend starved writer's job, complete with tyrannical, cruel, heartless boss, the movie tries hard to portray Fox's nightlife in a much more realistic manner.

While the audience is supposed to feel sympathy for Fox since his wife (played by Pheobe Cates) recently left him and his mother died from cancer a year ago, one can hardly find a reason to sympathize with Fox, especially when the film tries to parallel Fox's life with that of the "Coma Baby" that Fox reads about in the New York Post. In fact such scenes that were meant to provoke sympathy seemed rather comical to most of the viewing audience.

While the storyline was rather weak in many places, Fox and other actors still gave good performances, although I still laugh when I think about Michael J Fox snorting "Bolivian Marching Powder." If this movie is an accurate portrayal of the "party life, 80's style," the 80's will be known for having some rather mediocre parties.

D O A

Well if you're the screenwriter of DOA (rated R, playing citywide), you'd probably reply, "a burned-out writer-turned English professor who is poisoned by radium chloride and has 24 hours to solve a murder that his is accused of committing." And on top of this, he gets to have Meg Ryan as a co-star/lover for the last 24 hours of his life. Almost makes you want to become an English professor doesn't it?

Dexter Cornell, played by Dennis Quaid, is the main character of the rather unrealistic storyline. After writing three blockbuster novels, Cornell pretty much gives up on life and decides to retire as an English professor in a big Southwestern University.

All is fine until a string of events, beginning with the apparent suicide of one of his students, sets up Cornell for an adventure that even a Caltech professor might envy. Of course Meg Ryan somehow manages to get caught up with Quaid and they inevitably have a fling in the midst of all this adventure, presumably to keep all the Meg Ryan and Dennis Quaid devotees happy.

I won't spoil the surprise ending that occurs at the end although I will say that the ending is quite analogous to being pardoned on death row at the very last minute. If you really want to see Dennis Quaid and Meg Ryan, you're probably better off seeing Innerspace on videotape since this movie is Dead On Arrival.

Local Live-Aid

by Ian Dutton

On Sunday, March 27, the John Anson Ford Theatre in Hollywood played host to the "Deliver the News" benefit concert. The concert, which started at 10:45AM and lasted until 9:15PM and featured some 16 bands, was organized to raise funds and awareness of the works of Amnesty International and Food First/Impart.

Throughout the day, besides the bands playing in the open-air theatre, films, speakers, and even art exhibits dealing with the goals of AI and Food First were presented. Booths with information about the organizations were set up, and in addition, they accepted donations and sold crafts such as Tshirts and posters.

For the most part, the music was punk-oriented, but by no means exclusively punk. Featured bands included the Red Hot Chili Peppers, Faith No More, Legal Weapon, and Thelonious Monster, while local bands such as Lunchbox, Heather Haley & the

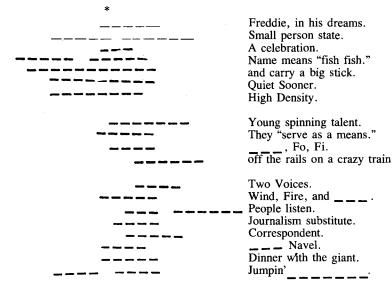
the contrary, there were actually more people behind the stage than in front of it when the show started! The crowd filled in as the day went on and by 4PM, the theatre was fairly well filled. The small audience made the concert much more exciting by allowing more artist interaction with the audience and allowing many of the performers to come out and watch the show with the audience.

The afternoon was filled with surprises. First was the announcement that fIREHOSE, an LA band that recently broke into the top 50 charts with their latest album, would be performing. Then came the announcement about the Circle Jerks performing. The concert organizers advertised both bands under pseudonyms, afraid of attracting too many of the "wrong kind" of people.

Despite a very understanding audience and very cooperative band members, the concert itself did not run so smoothly. Each band was limited to a 20-minute set, and

FRIDAY 8 APRIL 1988 5 More Inside World

Lloyd: The furnace of summer has begun, but at least baseball season is here. Here's a stupid puzzle to work on. Solve it to discover the special bonus prize. Drop entries by room 222.



We end with an interesting passage from the Lloyd Constitution, The Confidential Articles (page 3): "The class of years evenly divisible by 4 must be thoroughly immersed in the test of fire, such that all unbelievers be banished, with only the staunchest of heart and mightiest of spirit remaining. They will have a pope, but not just any pope. They will have a Pope among popes. They will have a peebo, a friendly being of great power an mystery. They will have a Stick-man, an anaerobic, but air-cooled lifeform based neither on mechanics nor biology but infused with a spirit-force akin to breezes and clouds energizing that being and verbally erupting in the sign that is 'Aaahh.' They will have upstanding rotsees of proud bearing, and a white guy from Indiana who can't play basketball. There will be an ornamental, Speaker-to-machines. From the Southland will come a fuzzy behemoth, a smart dresser, with a fiery temper and musical wattage to match. There will be exiles, and exodus - a soft-voiced one, soul and mind seduced and drowned in a sea of red. A witch-goddess, a priestess to Nature's laws, will seek representativeness for the enlarged good.

And these forged in flame will be a beacon to their brethren, shining forth across the dark years of techno-torment, till at last they pass forth in a crescendo of bone-crushing thunder. And the world will be remade.

The legend lives on,

-The King of Spin and Dark Foot

Page: Okay, Okay. I'll do it again, but you'll have to double my salary, like you promised. But I'm tired of all these mean spirited subtly masked character assassinations. If you like those, you can read your new Houselist and find out who Jun has sexual fantasies about and what causes him to doubt his masculinity. No more pointless dissertations on whether dark socks go with sneakers and shorts, or if body odor is a wave phenomenon (even if two sources can constructively interfere with everybody's breathing). Now we can deal with more scholarly inquiries like, "How many angels can dance on a pinhead?" Someone of lesser ability would take a situation like, say, a female frosh

temporarily disappearing from the known universe and try to get sexual innuendos out of it. But think of who was left behind, like her friends that will have to shower themselves late at night, and the ones that will have to talk to her on the phone until their wrists hurt. Her absence causes sorrow for many. Though many tried, none could fill that void.

We are not savages to live by the law of the jungle. There should be no penalties for inherent shortcomings. The embarassment of the failure that will inevitably result is punishment enough. It is said that the vanquished is a taller man with his back to the ground, but only, of course, if you measure near

And lastly, I write about that pagan ritual of drunkenness and debauchery that's scheduled for this weekend not to advertise, but to warn: Lock your doors and board up your windows, and make sure you don't leave any of your valuable posessions lying out on the table.

So there.

-Mr. Laughs again, back from the grave

So what's more exciting than a spy who gets caught up in an international espionage ring and puts his life on the line to save his country? In a spy who gets caught up in an international espionage ring and puts his life on the line to save his country? In a spy who gets caught up in an international espionage ring and puts his life on the line to save his bargain for today's concerts, most people expected a high turnout. On please see FESTIVAL, proposed to Pasadena! In a spy who gets caught up in an international espionage ring and puts his life on the line to save his bargain for today's concerts, most people expected a high turnout. On please see FESTIVAL, proposed to Pasadena! ramily nestaurant

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Ruddock: TOP TEN RUMORS & URBAN MYTHS:

- 10. So I'm in the weight room, right, and there's this HUGE, HUGE guy, like a big muscle with eyes, doing squats, up and down. Up and down. HUGE. Finally, as he's coming down, he grunts, "ARRRGHHH!!!" and this egg SHOOTS out of his butt. It was really wierd.
- 9. If you tie your dick in a knot and then untie it, it will be twice as long by the time you finish.
- 8. A friend of mine was in the movie theatre and a chick was sitting in front im, he reached out his hand and began massaging her scalp. Unbeknownst to her, halfway through the movie he stood up and replaced his hand with his pulsing pillar of power. She didn't notice and ended giving him a ride home at the end of the film.
- 7. Another friend of a friend anally violated his sister's friend while she slept. She woke up halfway through the sordid act, asked him to stop and he did.
- 6. I was cruising one night in my blue and silver Dodge van. I saw these hot looking chicks on the street-corner. I thought, 'wow! It would (sic.) if I picked them up and scored with them - after all what girl could resist me and my cool van with its carpeted cargo bed a.k.a. the Fuck Truck. But there was this big truck behind me and I thought that if I slowed down I would get hit, so I didn't and I never saw them again.
- 5. Dave Knight is either a C.I.A. cyborg or the oldest man in the world, either way he still gives 3¢ head.
- 4. Joe moved off because Lura is a much shorter walk to 1170 Del Mar than Ruddock & Lura is closer to Laura.
- 3. Munir's brain is composed of five neurons in a bath of Michelob-flavored
- 2. Wayne is planning to enlarge the hole in his North wall to change it from a peep-hole into a glory hole. (He's getting bored just watching Betsy & Junko & Kathleen & Junko's sister playing naked fister twister.)
- 1. Dave Risher's next art project will be a salute to deceased porno star John "The Wad" Holmes in all his glory.

what goes on

The Student Internship Service of Kings

Park, New York, offers listings of summer

internships in various majors in New York City and on Long Island. Many offer salar-

ies or stipends. Write for information: Stu-

dent Internship Service, P.O. Box 1053,

Internships in New York

Kings Park, New York 11754.

from page 7

Hunter Rouse Fellowship

The University of Iowa College of Engineering is sponsoring the Hunter Rouse Postgraduate Fellowship in Hydraulics and Fluid Mechanics. Recipients must have earned a B.S. or M.S. by the 1988 academic year. Stop by the Career Development Center, 08 Parsons-Gates, for more information.

Chess Club

Don't be misled by the *little t*; we are meeting in Clubroom A, which is in the basement under Fleming House. The time is still Monday at 7:30 pm. Come on by and take out your frustrations on someone else's king. For more information contact Matt at 356-9208.

Consulting Engineers \$\$

The Consulting Engineers Association of California announces its twelfth annual competition for upper-division, undergraduate scholarships in engineering to be awarded to a limited number of students who are interested in consulting engineering as a possible career.

To be eligible, a candidate must be (1) scheduled to enter his or her third or fourth year of undergraduate study in the fall of 1988, (2) in the upper half of his or her engineering class, (3) working for a B.S. degree in engineering, (4) interested in consulting engineering as a career, and (5) ϵ United States citizen.

For applications and more information, stop by the Career Development Center, 08 Parsons-Gates.

Money for tutORs

Undergrads and Grads, would you like to earn up to \$15.00 per hour on a part-time basis? Many tutoring oportunities are available, but you have to be able to find them. I am starting a service to bring together prospective students and tutors. If you are interested, please send me detailed information about what you have to offer. Include your name, address, phone number, the subjects that you can teach, the rate you are charging, times that you are available, the furthest distance you are willing to travel, your major, and other information such as G.P.A. and SAT scores that might be helpful. If you want to write an essay about why you would like to tutor, that would be great also. Send info to:

Charles Hu (Caltech Grad of '86) 20605 Longworth Ave. Lakewood, CA 90715 (213) 402-2495

Andrew Hsu Blacker House 1-60 Room 22 (818) 356-9208

Charity Bridge

This week is the week of the Charity Club Bridge Championship of the Bridge Club. If you are interested in playing come to the Red Door Cafe at 7:00, Monday 4/11. Partners will be provided and there will be extra Master Point Awards.

BLOOM COUNTY by Berke Breathed

from page 4

























Festival, cont.

had graciously given up their day for the benefit.

In addition, the end was handled very poorly with the rowdiest bands appearing at this time. During the Circle Jerks, concert organizers mistook the mild slam dancing for fighting and twice stopped the band. Faith No More's set went better, with the organizers allowing them to continue despite the thrashing in the audience. The band was obviously unhappy with the handling of the show: when they played their hit "We Care A Lot," the lead singer substituted strings of swears for many of the lyrics.

The Red Hot Chili Peppers brought quite a few fans down to the front of the stage, and as they played, the thrashing got pretty wild, but certainly not violent. Nevertheless, on of the security guards (read: volunteers) told the lead singer that he would have to stop after just 10 minutes. The lead singer flipped his middle finger at the volunteer, and in the argument that ensued, he unzipped his pants and showed the guard what he couldn't put in words.

The audience reacted with rage, showering the guard with insults and other rude comments. At that point, the concert was stopped and the organizers tried to say there was nothing they could do. The crowd, obviously disappointed and even angry, and being cheered on by the members of all the bands that had been watching from backstage, protested the stopping, but got nowhere and left 20 minutes later.

Despite the problems, the concert was very exciting and well worth the cost. The opportunity to see so many famous and up-coming bands and to talk to so many well-known people doesn't come around too often, even here in Los Angeles. Other such benefit concerts are planned for the future so keep your eye open for announcements in the LA Weekly [and Tech -Eds] and be sure not to miss the next show!

Advance Your Swordplay Skills

The Caltech Medieval/Renaissance Society is holding fighting practice on Sundays at 2pm on the lawn outside Winnett Student Center. Would you like to learn the techniques of medieval armored combat? Come join us! For more information, call Leif (213) 644-7566, or Amy (818) 794-2612.

Photo Contest

The Second Annual Verdugo Mental Health Center Photo Contest has begun! This year's theme is "Special Moments with Children." Photographers may be any age to enter, but professional photographers are incligible.

Awards will be presented in both black and white as well as color categories. There is no entry submission limit, but entries must be 8 x 10 inch mounted prints.

All entries must be submitted to the Verdugo Mental Health Center, located at 417 Arden Ave., Glendale, no later than 5 pm, Friday April 22. For information call Lynn Bourdon at (818) 244–7257.

Summer Park Internships

The Student Conservation Association is continuing to accept applications from persons interested in 12-week, expense paid internships in national parks, forests, wildlife refuges and other conservation areas across the United States this summer and fall.

Selected participants will work independently or assist conservation professionals with wildlife surveys, environmental education, recreation management, forestry, backcountry patrol, natural history interpretation, biological research or archaeology.

A late addition to the program is an exchange program with several Bavarian State Forests in the Federal Republic of Germany. Five positions there are available from June to September.

While carrying out their assignments, participants will receive a travel grant for transportation to and from the program area (except Bavaria), free housing and a stipend to cover basic food and living expenses.

This program is available to non-students and students of many academic backgrounds regardless of whether or not they are seeking a conservation career.

Applications received after March 1 will receive consideration for summer positions as long as they are available. The selection process for fall positions does not begin until June 1. Interested students may request applications and information from: Student Conservation Association, PO Box 550C, Charlestown, NH 03603.

Macintosh Programming Jobs!!

This summer, Apple Computer will be providing several internships for Caltech students to work on science simulation software for elementary school students. Student interns will receive \$2000/month plus benefits, while working on campus as part of Project SEED, a Caltech/Pasadena Unified School District program for innovative science education. Call Susan at x6820 for more information.

Educational Therapy

The College for Developmental Studies in Los Angeles now offers a Certificate Program in Educational Therapy. The 24-unit graduate program is designed for individuals interested in applying psychoeducational techniques with children and adolescents experiencing learning or related problems. Approved by the Association of Educational Therapists, the program emphasizes psychoanalytic developmental psychology, clinical assessment and remedial techniques, and psychoeducational case management.

A Master of Arts degree in the Psychology of Human Development and/or a Learning Handicapped Teaching Credential may be earned by completing additional units. Classes may be taken on a part-time ba-

classes may be taken on a part-time basis, and financial aid is also available for eligible students. Call the CDS admissions office at (213) 852–1321 for more information, or write CDS at 563 N. Alfred St., Los Angeles, CA 90048.

Summer in Innsbruck

The University of New Orleans will sponsor its 13th annual European Summer School Program in Innsbruck, Austria during the summer of 1988. This experience, entitled UNO—Innsbruck 1988, will involve over 250 college and university students as well as some 30 faculty/staff members.

Naturally, courses offered with UNO-Innsbruck focus on the cultural, historical, social and political issues of Europe. However, during this session courses in business and science will also be taught. All instruction is in English and faculty from the University of New Orleans, guest professors from the University of Florida and the University of Innsbruck, as well as distinguished political figures from the U.S. and Austria will be teaching in Innsbruck this summer.

The session runs from July 7 to August 13 and enrollment is limited, so interested students should apply as soon as possible. For information, write to: UNO – INNSBRUCK 1988, x/o International Study Program, Box 1314P – UNO, New Orleans, LA 70148.

S.T.D. Hotline

The County of Los Angeles Department of Health Services announces the availability of its Sexually Transmitted Disease Hotline. The Hotline provides confidential telephone information about sexually transmitted diseases such as gonorrhea, syphilis, herpes, venereal warts, and chlamydia, to name a few. The Hotline also provides referrals to low-cost health facilities where diagnosis and treatment is available. These facilities are located throughout Los Angeles County. To speak with a Hotline "listener" call (213) 588–5221. The Hotline operates 8:00 am to 6:00 pm Monday through Thursday and 8:00 am to 5:00 pm on Friday. All calls are confidential.

Become A WHO Doctor

The Worldwide Medical Education Institute enables students to earn the M.D., D.V.M. or D.D.S. degree in Europe, Mexico and in the United States. It offers:

Direct admission into World Health Organization (W.H.O.) listed and fully accredited Medical, Veterinary and Dental schools which participate in the U.S. Office of Education Guaranteed Student Loan Program for Health Profession Students.

Complete Language-culture and Graduate programs leading to advanced placement into accredited schools in Italy, Spain and Mexico.

The Institute has assisted many students to gain admission to U.S. and foreign medical schools and to successfully obtain the M.D., D.V.M. and D.D.S. degree, leading to licensing and practice in the United States. For further information write or phone: Dr. C.C. Sippo, Dean of Worldwide Medical Education Institute, 318 Fourth Street, Union City, NJ 07087. (201) 867-2864.

Wanna Ski?

The Ski Club/Team plans to hold several weekend outings to Mammoth, June, Sierra Summit and Goldmine ski resorts. If you are interested in skiing, either for fun or competitively, contact Christina Garden at 356-9322 or come to a Ski Team meeting (to be announced).

SPERM DONORS NEEDED

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9 Academy Award Nominations including Best Picture

THE LAST EMPEROR

Mon-Fri 7:30, 9:50 pm Sat-Sun 2:50,5:10,7:30,9:50 pm

what goes on

from page 8

Attention Writers!!!

The Literature Faculty is pleased to announce the 42nd annual McKinney Competition. The Mary A. Earl McKinney Prize is awarded each year for excellence in writing. Only full-time students officially registered at Caltech as undergradutes are eligible to enter the competition. This year three prizes will be given in three categories: poetry, prose fiction and non-fiction essays. All submissions must be typewritten and double-spaced. In the poetry category, entrants may submit up to three poems. Submissions of prose ficiton should not exceed 12,000 words. Essays may be one prepared for a humanities class or any good piece of original writing on a topic relevant to the humanities. The prize in each category will

Each student is entitled to only one entry in each category. All contestants must submit their work to Professor Jenijoy La Belle, Division of the Humanities and Social Sciences, by no later than April 29, 1988. No entries will be returned. Each category will be judged by a committee from the Literature faculty. Essays will be judged on the quality of thought and the effectiveness of the writing. Winners will be announced the last week of May, and the names of the winners will appear in the com-mencement program. The Committee may divide the award in each category in case of more than one outstanding submission. Previous winners in any one category are not eligible for the competition in that

If you have any questions, contact Dr. La Belle, x3606, or Betty Hyland, x3609.

Planetary Science Scholarships

The Planetary Society is offering five \$1,000 awards to students majoring in engineering and science. Awards will be made on the basis of scholastic achievement, a commitment to a career in planetary related science, and a written essay on a relevant topic. The deadline for completed applications is April 15, 1988. Mail in cards for further information are available in the Financial Aid Office, 12–63 (515 S. Wilson, 2nd floor).

Cousteau The Younger

Oceanographer Jean-Michel Cousteau, son of world-famous explorer Jacques Cousteau, will present a slide-illustrated lecture, On The Edge of a Human Tide, focusing on the increasing threat to the marine life around southern California's Channel Islands.

The talk will be at the Jean Delacour Auditorium of the Natural History Museum of Los Angeles County, 900 Exposition Blvd. in Los Angeles. It will take place on Sunday, April 24 at 2:00 pm. The cost is \$6 for museum members, and \$8 for nonmembers. If you wish to also attend a wine and cheese reception for Mr. Cousteau, the cost escalates to \$20 for members and \$25 for non-members. Proceeds will benefit the museum's Marine Mammal Stranding

Health Brochures

Health Education Brochures are now available at the Health Center. Topics included are: depression, eating disorders, physical fitness, mononucleosis, birth control, and sexually transmitted diseases. The brochure rack is located near the reception area. There is no charge for the brochures.

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Coors Scholarships (Honest!)

Adolph Coors Company will assist more than 100 college students for the fourth consecutive year thorugh the Coors Veterans' Memorial Scholarship Fund program in all 50 states, the District of Columbia, and Puerto Rico.

Coors will provide \$501,000 in scholarship funds to eligible dependents of honorably discharged American veterans. Scholarship application forms are now available thorugh Coors distributors, veterans service organizations or by writing: Coors Veterans' Memorial Scholarship Fund, PO Box 3111, Northbrook IL 60065, or by calling toll-free: 1–800–49COORS. Applications must be postmarked no later than July 1, 1988.

To be eligible for scholarship consideration, applicants must:

Be no older than 22 years of age as of

the July 1, 1988 deadline date; Have a cumulative GPA of 3.0 or better; Have completed a minimul full freshman year program of credit hours, but not yet acquired senior credit hours;

Be enrolled full-time in a four-year school, or an accredited two-year program leading to a four-year undergraduate degree;

Fall into one of the following categories: Dependent of Honorably Discharged American service personnel;

Dependent of Active Duty, Guard or Reserve military personnel (minimum two years); Dependent of American Service per-

Dependent of American Service personnel Killed in Action, Missing in Action, or who have Died in the Line of Duty.

Work In A Summer Camp

Apply today for summer employment at teh Woodcraft Rangers Stanley Ranch Camp. We'll pay you for the first week to learn, from professionals in camping, social work recreation and safety, how to be a great staff member! If you qualify, you'll finish the summer with your American Red Cross First Aid & Lifesaving badges. It will be easier for you to get a later job as a lifeguard, recreation worker or in any industry because you'll have the certificates to handle emergencies.

You'll learn about child development, group work techniques and initiative games from mental health professionals. Of course, you'll learn games, songs and campfire skits from recreation consultants. We'll teach you how to build children's self-esteem through successful participation in a ropes course, astronomy trail and orienteering program.

astronomy trail and orienteering program. The camp is on a ranch near Magic Mountain. We can offer you a summer of meaningful employment...a job with a purpose! If you enjoy outdoor life and working with children this may be one of the most rewarding summers of your life. Employment is for ten weeks, beginning June 18 and ending August 27. There are many openings for both men and women. We provide salary, room and board, health insurance and other benefits.

ance and other benefits.

Write or call for an application: Woodcraft Rangers, 2111 Park Grove Ave., Los Angeles, CA 90007, or phone (213) 749-3031. Fingerprints and references required.

Charitable Cyclists Take Note

Individual and corporate team cyclists are readying for the fifth annual Kaiser Permanente Whittier Hills Bike Challenge benefiting the American Heart Association, to be held Saturday, April 23 starting at the Whittier Hilton.

About 3,000 cyclists are expected for the day, which features a full metric century of 100 kilometers, a half metric century of 50 kilometers, and, for the beginning cyclist, a quarter metric century of 25 kilometers.

Top fund-raising prize will be a Daihatsu Charade automobile from Japan, donated by Whittier Chrysler Plymouth. Minimum pledge money to be turned in (and be eligible for the first prize) is \$500.

Deadline for team registration and individual pre-registration is Tuesday, April 12. For a registration packet, call 1(800) HEART-LA [432-7852 for the digitally minded] or (213) 945-6366.

SUMMER EMPLOYMENT OPPORTUNITIES

Environmental consulting firm is seeking students with experience in architecture, mechanical engineering, civil engineering, environmental engineering or construction for summer employment. Employment will include training and accreditation by EPA. Projects throughout California.

- * training provided
- * excellent compensation
- * EPA accreditation
- * potential for permanent employment
- * useful experience

If interested in this summer work, telephone Marcia N. Levin, R.N., with your resume or informal notes on your background and work experience at CTL Environmental Services, 24404 S. Vermont Ave., #307, Harbor City, CA 90710, tel: (213) 530-5006

Are You Undocumented?

Aliens who have not applied or who do not qualify for Amnesty should file Federal income tax returns if they meet the filing requirementss. This is true even though they do not have valid social security numbers (SSN) assigned to them, and will not cause a taxpayer to be deported, since tax information is *not* routinely shared with the Immigration and Naturalization Service.

Naturally, if the taxpayer has had a valid social security number assigned, it should be used on the return. In cases involving individuals who do not have a valid social security number assigned to them, the IRS will process their returns if the person writes "SSA 205(c)" in the spaces requiring the identification numbers for themselves, their spouses and dependents. The procedure is strictly for filling and return processing purposes only. It does not give the taxpayer legal residence status or other rights.

Capturing Desert Wildflowers

Each spring, the Mojave Desert bursts into bloom with a colorful display of wildflowers. To take advantage of these desert blooms, the Natural History Museum of Lox Angeles County is offering a two-part field trip featuring the "Wildflowers of the Mojave Desert."

The field trip is open to adults and children over 14, and takes place on Thursday, April 21 from 7-9 pm and Saturday, April 23 from 9:30 am to 2:00 pm. The cost is \$20 for museum members and \$25 for nonmembers, bus transportation included.

Dr. Gary Wallace, assistant curator of botany at the museum, will begin by introducing participants to the wildflowers, describing what they will see and what to look for. The Thursday preview will include showing examples of the flowers with slides and pictures. He will also talk about the blooming season of the wildflowers and how it is affected by rainfall.

On Saturday, participants are invited to bring along their cameras to capture the spectacular color and beauty of the annual wildflowers and perennial shrubs. Some of the plants likely to be seen are the creosote bush, the California poppy, eriophyllum an chia

For more information, please call (213) 744-3342.

Black Experience Writing

Writers have been writing about the black experience in America since the early years of settlement in the new world. And throughout our history, the work of prolific black writers has become an important and enriching part of American culture. For this reason, McDonald's [yes, the Big Mac people] is pleased to offer developing writers a chance to compete for literary awards in poetry, fiction and playwriting. Winners in each category will receive an honorarium of \$2,000, a trip to New York to participate in a celebrity reading of their work, and a literary reception.

Eligibility Requirements: FICTION: Submit up to 50 pages of a long work or two short works along with a biographical statement, including a list of

any publications, if any, in which your work has appeared.

POETRY: As above, but the poem shall not be more than 20 pages.
PLAYWRITING: As above, with a

sample of at least 20 pages in length.
Deadline for entries is June 1, 1988.
Submit your name, address and phone number and mail to: The Negro Ensemble Company, McDonald's Literary Achievement Awards, PO Box 778, Times Square Station, New York, NY 10108. Finalists will be notified by July 1, winners by August 1.

Jester And The Queen

Materials will not be returned.

The Los Angeles Theatre Center is proud to present acclaimed Czechoslovakian clown Boleslav Polikva in the Los Angeles Premiere of "The Jester and the Queen," opening this Sunday evening, April 10, in Theatre 2.

Performing with his wife, Chantal Poullain, Polivka plays a medieval court jester who must constantly struggle to amuse his slightly decadent, easily bored queen. In his attempt to entertain her royal highness, Polivka employs a barrage of jokes, sight gags, illusions, pantomime, acrobatics, improvisation and asides.

The regular run will last from April 10 to June 5, with tickets priced from \$22 to \$25. Lower-priced previews, at \$15, will be today, Saturday, and the matinee Sunday. Performances are at 8:00 pm Tuesday-Sunday, with matinees at 2:00 pm on Saturday and Sunday. The Los Angeles Theatre Center is located at 514 S. Spring St. in Los Angeles. For reservations or information call (213) 627-5599.

Research Opportunities

The SURF Office has received information from the Oregon Graduate Center Summer Undergraduate Research Experience (OGC/SURE) about research opportunities in such areas as groundwater contamination, fluid dynamics, environmental chemistry, or microbiology. For further information, come to the SURF office, Room 3 Dabney Hall.

Seminars for Singles

Seminars for Singles is a group that meets every Sunday at 7:30 pm at the Neighborhood Church, 301 N. Orange Grove Blvd. in Pasadena. The seminars are led by Liz Hargrove, marriage and family therapist, and are discussion groups that include socializing and refreshments. Divorced, separated, widowed and never-married men and women from age 22 to 72 are welcome. Most of the people who attend are in their 30's, 40's and 50's. The group is nonreligious, not church sponsored. Reservations are not necessary. Cost is \$7 per seminar. Topics for April are: April 10th, Expanding Your Social World; 17th, Discovering If Someone New Is Someone For You; 24th, Sexaholics and Infatuation

Scholarships for Vet Children

Applications are now being accepted for the PVA/Youth for Vietnam Veterans Scholarship Fund. Applicants must be natural or legally-adopted son or daughter of an honorably discharged veteran who served on active military duty in the Vietnam theater of war from August 4, 1964 to May 8, 1975, who was: killed in action; died 'in country'; listas missin in action; a prisoner of war; disabled with 100% service-connected rating; or rated as 100% disabled for Veterans Administration pension purposes, as the result of a spinal cord injury or disease (such as multiple sclerosis).

Each scholarship grant will be \$1,500 and applicants must be enrolled in, or accepted by, an accredited four-year institution of higher learning. The student's academic performance, community and extracurricular activities, as well as financial need, will be considered in the award criteria.

For an application or more information, contact: Scholarship Committee; c/o Paralyzed Veterans of America; 801 18th St. N.W.; Washington, D.C. 20006; or consult your telephone book for the PVA Service Office or Chapter nearest you.

Texas Instruments Contest

Texas Instruments has called for papers describing the utilization of Lisp- or PROLOG-based expert systems or knowledge-based systems to solve nontrivial real-world or industrial problems. The company invites full-time university students, faculty and staff members to submit papers which provide details about successfully developing applications. To support the continuation and expansion of the research described in the winning papers, TI will present the authors' universities with awards of development hardware and training or with \$10,000 in project funding.

Papers are limited to 4000 words including appended material. Only the cover page should include the names of authors and their university, biographical information, acknowledgements, telephone numbers, and a return address. No reference to the authors or their universities should appear in the body of the paper.

Authors may submit more than one paper, but each paper must be submitted separately and received by June 8, 1988. Ten copies of each paper should be sent to this address: Texas Instruments, AI Call for Papers, 8360 LBJ Freeway, M/S 8203, Dallas, TX 75243, Attention Jess Rosenthal.

Papers describing commercially available products are excluded from this competition. Further information is available from Jess Rosenthal at (214) 997–3726 or via CSNET or ARPANET at: jess.rosenthal%jros%timesglcsc.ti.com.

SSSSP Tutors Needed

We will be needing tutors for our Summer Secondary School Science Program that begins June 27th through August 11th, 1988, from 9:00 am to 3:30 pm Monday through Thursday. We will need 4 tutors each for Molecular Biology and Chemistry. Our first preference is to have seniors, then juniors, and last sophomores. Applicants may call x6207 or 6208, or come by Lee Browne's office at 515 S. Wilson Ave.

We are also looking for counselors for the dormitories; applicants may sign up for the counselor positions at the Master of Student Housing Office or with Lee Browne.

Educational Vacation

You can earn university degree credit in Natural Science this summer with San Jose State University's Field Studies in Natural History program in Hawaii. See animal, plant, bird, and geologic topics come alive while you explore the natural sights and habitats on four islands.

SJSU faculty accompany the trip, which includes roundtrip transportation and lodging, all transfers and other incidental expenses for a fee of \$2195 per person, including tuition for 3 semester units. Meals and other expenses are the responsibility of each individual. Depart San Francisco July 10 and return there July 28 (or you may arrange to stay in Hawaii longer, on your own)

For information, call (408) 924–2625 or write: Field Studies in Natural History, Hawaii 1988, Office of Continuing Education, San Jose State University, San Jose, CA 95192-0135. Any adult may participate. You do not have to be an SJSU student, nor do you have to formally apply for admission to the regular university to participate.

E.T. Bell Research Prize

The E.T. Bell Undergraduate Mathematics Research Prize is a cash prize of \$500 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. If the entry is sufficiently worthy, the faculty member will nominate the contestant and act as sponsor. Each studnet is entitled to only one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by the end of the fourth week of third term. A faculty committee will then judge the papers and announce its decision before the end of third term. The committee may award duplicate prizes in case of more than one outstanding entry. The name of the winner (or winners) will appear in the commencement

The Morgan Ward Competition

Any Caltech freshman or sophomore may enter this contest. An entry may be individual (submitted by one student) or joint (submitted by a group of two or more students). Each student is entitled to at most three entries, of which at most two may be individual.

An entry is to consist of a mathematical problem, together with a solution or significant contribution toward a solution. The problem may have any source, but this source should be stated in the entry. The entries will be judged on the basis of the nature of the problem and the originality and elegance of the solution. Any outside references used should be indicated.

Entries from each contestant or group must be placed in an envelope and delivered to the Mathematics Office, 253 Sloan, during the fourth week of third term. The names of the contestant, or the names of all participants in the case of a joint entry, must be written on the envelope only, not on the entry. The Judging Committee will consist of three volunteers, approved by a vote of the Caltech Mathematics Club. Each jugde must be a junior or senior and a member of the Mathematics Club. The judges will select a group of finalists and submit their entries to the Mathematics Department faculty who will make awards to the winners. Prizes will ordinarily be awarded for the 2 or 4 best entries, the value of each prize being \$75. Prizes for individual entries will be limited to at most one to a contestant, and no group may receive more than

EES Student Job Fair

The California Water Pollution Control Association is sponsoring a Student Job Fair to be held as part of the 1988 Annual Conference in Sacramento on Wednesday, April 27, 1988. This event will provide an opportunity for students who plan on entering the field of environmental engineering to meet with potential employers. Representatives from a variety of wastewater management firms are scheduled to participate. The Career Development Center has more information (08 Parsons-Gates).

Legal Internship Program

The European and Asian offices of Coudert Brothers, Attorneys at Law, have established an International Legal Internship Program, which they believe will be of interest to graduating seniors and graduate students who may want to take some time off. They have offices in Paris, Hong Kong, Singapore, Tokyo, and Sydney. The firm would like to attract talented college graduates who are considering a career in international law, but would like some overseas experience with a large international firm before making a definite decision. The Career Development Center (08 Parsons-Gates) has more information.

IBM Co-Op

IBM's Santa Teresa Laboratory has recently been given the approval to open up approximately 75 co-op programming positions. These jobs are for the March to September and June to December time frames. All assignments are 40 hours a week and are technical in content. Jobs could involve programming in a development or test area. The ideal student is someone at a junior level or above, studying computer science, and with a strong technical/academic background. The Career Development Center (08 Parsons-Gates) has more information.

Caltech Raquetball Club

Passes for the use of the Pasadena YMCA's racquetball facilities are now available at the Caltech Y for the price of 1 dollar. They can be purchased during normal office hours and are available to any student. The passes allow full use of YMCA facilities for one day.

The YMCA is located at 235 E. Holly

Ave., 1 block north of the Pasadena Plaza, next to City Hall. There will be a list of available partners posted at the Caltech Y, so if you are interested, please sign up.

If you have any helpful suggestions for the club, contact Jason Stewart at 1-59 or 356-9414.

please see WHAT GOES ON, page 6

what goes on

Announcements for What Goes On should be submitted on an announcement form available in the SAC copy/mail room (Room 37) or on a plain piece of paper. Please indicate the date(s) you want the announcement to run. Send announcements to 25–58, or put them under the door of Room 40A of the SAC.

Announcements must be received by the Tuesday prior to publication.

David Brin To Speak

David Brin, author of award-winning science fiction novels such as Startide Rising and The Postman will talk on "How Science Can Deal With the New Mysticism" on Tuesday, April 12th at 8:00 pm in 22 Gates. Brought to you by S.P.E.C.T.R.E. (the Caltech Science Fiction Club), GSC and

Pre-Meds Take Note!

Pre-Med meeting – **Juniors** especially. The meeting will be held by Dr. Marlene Coleman on Monday, April 11 at 3:00 pm in the Health Center Lounge.

Joyspeak

Intervarsity Christian Fellowship at Caltech welcomes Steve Morgan tonight at 7:00 pm in the Millikan Boardroom. He will discuss "The Joy of Obedience." If you have ever wondered why Christians seem to follow so many "rules" and are "out of touch" with the world, this talk should help you to understand better. All are welcome.

First Aid Training

First-aid certification will be offered at the Health Center. This eight-hour course will be taught in two 4-hour sessions on con-secutive Wednesdays. The classes are held on Wednesdays at the Health Center from 6:00 to 10:00 pm. Please register by calling the Health Center, x6393.

Beautiful Fractals

The Goethe Institute of Los Angeles presents "The Beauty of Fractals", a lecture by Heinz Otto Peitgen, professor of the University of Bremen, West Germany, and U.C. Santa Cruz. The lecture will be on Monday, April 11 at 6 pm at the California Museum of Science and Industry, 700 State Dr. in Los Angeles. Admission is free, but parking costs \$1. For further information, call the Goethe Institute at (213) 854-0993.

Wind Ensemble On The Road

The Caltech Wind Ensemble will perform in Thorne Hall at Occidental College on Wednesday, April 13 at 8:15 pm. The concert will feature guest conductor John Swain of Cal State Los Angeles, and oboe soloist Eric Babson, a Caltech senior.

Don't forget the upcoming BANDO-RAMA, on May 14 at 8:00 pm in Ramo. More information in following issues.

Beckman Breaks Ground

A special Caltech ground-breaking ceremony will be staged at the future site of the Beckman Institute on April 11th at 3:00 pm, at the corner of Constance and Michigan. In addition to an abundance of hard hats, big wigs and shovels, there may be a few surprises.

CLASSIFIED ADS

HELP WANTED-

MALE STUDENTS WANTED!

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LOST AND FOUND-

GOLD CHARM LOST, Chinese character fu (luck/fortune). At Chinese New Year Party at Winnett 2-21. Call Dave Jemison x6180 Lloyd 134.

LOST: SILVER PARKER BALLPOINT PEN. If found, please contact JoAnn, ext. 6655.

RATES.....\$2.50 for first 25 words; ... 10¢ for each additional word Send written ad with payment to 25-58 No charge for on-campus lost & found

Pork Barrel Funding Made Easy

On Wednesday, April 13th at noon, Professor Bruce Cain will speak in the Judy Library in Baxter on the subject "Pork Bar rel Funding of R&D: The Challenge to Peer Review." This brown bag luncheon talk is part of an ongoing series on science, ethics and public policy. It is open to the public.

On Science And Mountains

On Friday, April 22 at 12 noon in the Judy Library in Baxter, Arlene Blum will lead an informal talk/discussion on the general themes "Science and Mountains" as part of the ongoing program of OWC noon events. Since receiving her Ph.D. in biophysical chemistry from UC Berkeley, Blum has taught at Stanford, Wellesley, and UC Berkeley, where her research was instrumental in banning a hazardous chemical used as a flame retardant in children's sleepwear. She began mountaineering in 1963, and has participated in more than 15 successful high-altitude expeditions including the Great Himalayan Traverse of 1981-82. Bring a lunch and come meet a fascinating woman!

The Great Himalayan Traverse

During 1981-82, Arlene Blum and a companion were the first westerners to make a traverse across the Great Himalayan Range of Bhutan, Nepal and India. To do this epic trek they had to obtain special permits to cross politically sensitive areas, find a feasible route across 2,000 miles of high passes and rugged gorges, and plan and obtain in advance nearly all the food and equipment they would need for their nine-month journey

On Thursday, April 21 at 8:00 pm in Baxter Lecture Hall, Arlene Blum will narrate a slide show consisting of color slides of her extraordinary adventures amongst a diversity of peoples, cultures, plants, animals, and terrain that is unsurpassed anywhere on this planet. The presentation is free and co-sponsored by the Organization for Women at Caltech, the Caltech Y and the Environmental Study Group.

Renaissance Pleasure Faire

The Caltech Y is coordinating trips to the Ren Fair on May 7, 1988. The cost is \$5 for students, \$6.95 for others. Transportation is provided, and will leave at 10:00 am. Sign up at The Y, upstairs in Winnett.

Go To The Mardi Gras!

Hurry to the Y and buy tickets for the UCLA Mardi Gras! The Mardi Gras takes place on the athletic field at UCLA on May 13, 14 and 15. Tickets cost only \$2. Come see the big party (zoo) and meet all sorts of people with "alternative personalities."

Industrial Ath Dinner

All interested undergraduate and graduate students are invited to attend SWE's annual dinner with industry on April 21st, at 6 pm in the Athenaeum. If you are a senior examining career options, an underclassman looking for summer work, or a grad student seeking industry contacts, this event offers an excellent opportunity to meet company representatives on an informal one to one basis. We expect representatives from IBM, Hewlett Packard, Dow, Lockheed, Hughes Aircraft, JPL and more. Cost for the dinner is \$5 per student. If you would like to attend, please make a reservation with Catherine (x4744) or Charlotte (x3962) as soon as possible. See you there!

Student Investment Fund

The Caltech Student Investment Fund invites all members of the Caltech community to join. Meetings are held every Wednesday at 5:00 in the Millikan Board Room. For more info, come to a meeting, or contact Randy Levinson at x3961.

Scriptorium, Anyone?

The Caltech Medieval Renaissance Society will be holding a Scriptorium workshop on April 10 from 1-5 pm in Winnett Clubroom 1. Basic calligraphy and illumination will be taught. For more info, call Amy Carpenter (818) 794-2612, Doug Bloomer (x6830), or Erich Schneider

Caltech Ice Hockey Playoffs!!

The SCCHA Division 2 Ice Hockey Playoffs are this weekend. The Caltech Ice Hockey team has games Friday at 5:45 pm vs. Northridge at Pickwick Ice Arena in Burbank, Saturday at 10:30 am vs. USC at Conejo Valley Skating Center, Sunday at 8:45 am vs. Cal Lutheran at Conejo Valley, and the Championship game Sunday at 1:15 vs. Irvine at Pickwick Ice Arena. Advanced ticket giveaway by calling Dwight Berg at 796-2714 or pay \$2 at the door. Following the championship game a victory celebration will be held in the Winnett Student Center Lounge at 4:00 pm.

Coleman Chamber Concert

The Muir Quartet, with Jean-Philippe Collard, will be at Beckman Auditorium on Sunday, April 10 at 3:30. This Coleman Chamber Music Concert features works by Schubert, Britten and Franck. Admission: \$17.50-15.00-12.50-10.00, but don't panic. Fifty free tickets and 50 tickets at \$6.00 each will be available for Caltech studnets with ID beginning last Tuesday in the Caltech Ticket Office. Limit one free ticket and one ticket at \$6 per student ID. Call x4652 for more information.

GUITARJAM!!!

On Saturday, April 16 at 8:00 pm in Beckman Auditorium, classical guitarist Sharon Isbin, jazz fusion guitarist Larry Coryell and Brazilian bossa nova guitarist Laurindo Almeida join together for an evening of varied guitar music. Caltech student rush tickets at \$6 each and Caltech faculty and staff TECHTIX (\$18.00-15.50-13.00) will go on sale on Friday, April 15 at noon in the Caltech Ticket Office. Call x4652 for more information.

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STUDENTS

Shampoo, Style Cut

Joanne Kong and Paul Hanson join for an afternoon of piano duets in Dabney Hall Lounge on Sunday, April 17 at 3:30 pm. The program for this Dabney Lounge Chamber Music Concert includes works by Mozart, Schubert, Stravinsky, Bizet and Alkan. Admission: free. Call x4652 for in-

Soviet Emigre Orchestra

On Thursday, April 14th at 8:00 pm, the Soviet Emigre Orchestra will perform in Beckman Auditorium. The program will include works by Britten, Bach and Mendelssohn. Lazar Gosman is the conductor. Caltech student rush tickets at \$6 each and Caltech faculty and staff TECHTIX (\$20.50-18.00-15.00) will go on sale the day of the show at noon in the Caltech Ticket Office. Call x4652 for information.

Survive The Next Disaster

As part of Caltech's overall Disaster Plan, a minimum of two students from each Catalina building are needed for Shelter Management Training. Shelter Manager Training will be given by Red Cross representatives. Students who are interested please call the Health Center, x6393.

German Movies

There will be a showing of Deutschland-Bleiche Mutter in Baxter Lecture Hall on April 11th at 7:30 pm. Germany's positive side during the period of fascism and World War II as seen and produced by Helma Sanders-Brahms. She tells the tragic story of Germany's young women during and after the war. Directed by Helma Sanders-Brahms. Stars Eva Mattes, Ernst Jacobi. All are invited to this free showing.

Guitar Classes At Caltech

Caltech guitar classes for spring quarter will meet on Tuesdays starting April 5 in the Student Activities Center, Room 1. The schedule is as follows:

Beginning guitar, 4:30-5:30 pm Intermediate guitar, 3:30-4:30 pm Advanced guitar, 5:30-6:30 pm Classical and flamenco repertoires will

be explored but the techniques transfer to other styles of guitar. The beginning class also includes a jazz and folk chord system. Classes are free to Caltech students (and other members of the Caltech community, space permitting). Undergraduates can receive 2 units of credit if they choose. Private instruction on any level can also be arranged. The instructor, classical guitarist Darryl Denning, has an international recording, teaching and performing background, and can be reached at (213) 465–0881.

Attention Heavy Metalists

The Headbangers Club, exclusively for Heavy Metal fans, is being started up. Sign up sheets should be posted in the seven houses. We need to get enough people as soon as possible to get funding from AS-CIT. Sign up now. For info, contact Bassem Mora, 1-54, x6180.

Live In The Past

The Caltech Medieval Renaissance Society will be meeting on Sunday, April 10 in the Y Lounge from 3-6 pm. Business discussed will primarily be the upcoming May Day tourney, and an official vote on S.C.A. college status. For more info call Doug Bloomer (x6830), Amy Carpenter (818) 794–2612, or Erich Schneider (x3771)

Friday Folk Feast

Heidi Muller, one of Seattle's foremost contemporary singer-songwriters and acoustic musicians, brings her "fine voice, flow-ing guitar, rhythmic dulcimer playing and superbly crafted originals" to Caltech on Friday, April 15 at 8:00 pm in Dabney Hall. The concert is co-sponsored by the Caltech Folk Music Society, the Organizatin for Women at Caltech, the GSC, and the Caltech Y. Presale ticket prices are \$2 for Caltech students, \$4 for all other members of the Caltech community, and \$6 general admission. Presale tickets are available through the Caltech Ticket Office, and all prices are \$1 higher at the door. Take advantage of this rare, cheap, close-to-home opportunity to hear music that reflects inuences as diverse as Joni Mitchell and Western swing. Find out exactly what a dulcimer is, and meet a really fine musician at the same time.

Book Fair In Glendale

The Fifth Southern California Book Fair will be at the Glendale Civic Auditorium, 1401 N. Verdugo Rd. in Glendale on Saturday, April 30 from 10 am to 6 pm. In addition to maps, prints, autographs, graphics, and free book appraisals, the Fair will abound with books of special appeal to children, parents and people who collect rare children's books.

Books Wanted

The Friends of Caltech Libraries will be having a book sale on May 6, and are looking for donations of all kinds of bookshardbacks, paperbacks, magazines-to sell in order to raise money to benefit the various libraries on campus. Please deliver donations to Millikan Library, 1st floor, as soon as possible. For information, phone Janet Jenks (x6419) or Louis Creveling

Summer Counselor Positions

A sign-up sheet is now available in the Master's Office for undergraduate students who are interested in being a Summer Counselor for the Summer High School Program. The remuneration for the position is a free room for the summer program period from June 26 to August 12, 1988. The deadline for students to submit their names to the Master's Office is April 15th.

Club Should Submit Soon

The Big T editors would like to encourage Caltech clubs and organizations to submit a page or two of photos for the yearbook. If you are interested, please assign somebody in your organization to put together your section and direct them to the Big T editors as soon as possible. Mail to Caltech 27-58, or call $\hat{x}2183$.

Now, About Those Houses...

All House sections must be submitted to the Big T by May 23. The editors would like to meet with each of the House Section Editors to make sure they understand how a layout is done and what possibilities exist for their layouts. Presidents, please assign somebody in your house to put together your house section and direct them to the Big T editors as soon as possible: Brian Catanzaro, Dave Phillips and Gino Thomas, x2183.

Another S.P.E.C.T.R.E. Blurb

S.P.E.C.T.R.E., the Caltech Science Fiction Club, will be having a meeting on April 13 (a Wednesday) at 7:30 pm in Clubroom B, Rm. 15 S.A.C. The T-shirts should be in. The movie will either be more Blake's 7 episodes, or something random, since nobody suggested anything last

MacValley Users Group

The MacValley Users Group April meeting will be Tuesday, April 19 at 7:30 pm in the cafeteria of Burbank High School at Burbank Blvd. and Third St. in Burbank. Ashton-Tate will present Full Impact and Full Write Professional. For further information please contact Ruth Stever at (818) 848-1277.

Political Internship

The Arnold O. Beckman Internship will be available for the summer of 1988. The internship, supported by friends of Dr. Arnold O. Beckman, will pay a stipend of \$2,500. It allows a selected Intern to spend the summer working in the office of a politician and to see from the inside the process of government. The Intern is expected to make arrangements with the appropriate political persons. It is open to any Techer who intends to be a Caltech undergraduate next year. If interested, submit a brief proposal describing where and how you would use the stipend, to the Deans' Office, 102 Parsons-Gates, by Monday, April 11th.





please see WHAT GOES ON, page 7

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