

David Politzer, professor of theoretical physics, shown here before his involvement with Hollywood filmmaking, in one of those surreal publicity shots which make their subjects appear years younger than reality (no offense).

## Politzer, Paul Newman Play in New Fission Film

by Brian Lemoff

David Politzer, Professor of Theoretical Physics, has been taking some time off this term to appear in a new Roland Joffe movie about the Manhattan Project. The film, whose working title is *Fat Man and Little Boy*, stars Paul Newman as General Leslie Groves and Dwight Shultz (Murdoch, from *The A-Team*) as J. Robert Oppenheimer. Politzer plays Dr. Robert Serber, one of Oppenheimer's closest scientific collaborators. The picture, which is still in production, will probably not be released before next fall.

The movie, which is set primarily at Los Alamos, begins with the creation of the Manhattan Project and the appointment of Groves and Oppenheimer to head it up. In it, Joffe traces the history of the project through the Trinity test and the dropping of the bombs on Hiroshima and Nagasaki. Particular attention is paid to the politics and dilemmas faced by those working on the project, as well as the private lives of Oppenheimer, Groves, and several fictionalized characters. The fictitious characters are amalgams of many personalities actually involved in the Manhattan Project.

Robert Serber was a post-doc in physics at U.C. Berkeley prior to World War II. He was a colleague of Oppenheimer, and although not a part of the administrative hierarchy, was Oppenheimer's scientific right hand man on the Manhattan project. Serber was the man who gave the introductory talk to scientists new to Los Alamos, familiarizing them with the project. Politzer met the real Dr. Serber about ten years ago and described him as "quite a character". Politzer did not even attempt to imitate the real Bob Serber in the movie. "I'm not an actor. I played myself, ... that's not why they got me."

Roland Joffe, whose previous credits include *The Killing Fields* and *The Mission*, is the writer and director of the new movie. Joffe is famous for using non-actors in his films to achieve greater realism. Joffe wanted real physicists in his movie. The movie is being filmed in Durango Mexico, and in Politzer's words, "There just aren't any

physicists hanging around in the cantinas looking for odd jobs". Thus, Joffe and casting director Nancy Foy went recruiting at Caltech, Stanford, and other universities. Politzer is the only professional physicist in the movie, but six other people with scientific degrees will also appear in the film.

At first, Politzer was not keen on the idea of taking time away from his work. Not teaching any courses this term, Politzer was looking forward to devoting full time to several projects he was working on. However, Politzer has long been fascinated with the Manhattan Project.

Politzer gives three reasons for his fascination. First, says Politzer, the Oppenheimer saga is "high tragedy, worthy of Sophocles". Second is the question of the responsibility of physicists to society. The final reason is that the current state of physics in this country is a direct result of the Manhattan project.

Thus, Politzer agreed to talk to Joffe. The two talked for hours about science, religion, politics, and other issues. Joffe expressed concern that most people are ignorant of the events that are the source of the nuclear age in which we all live. He explained that he feels bound to educate the masses about the people and the difficult decisions that they had to make regarding the atomic bomb. Says Politzer, "Mr. Joffe believes that he can affect people's minds and hearts. That's why he makes movies." Politzer was impressed with Joffe's ideas, and agreed to take the part, provided his time commitment could be minimized.

Politzer eventually spent twelve days in Mexico working on the movie. The first six days were spent rehearsing. Politzer spent time with Newman, Schultz, and the other actors, showing them how real scientists behave. In return, the actors worked with Politzer and the other non-actors, giving them acting tips. Politzer returned to Durango three more times for actual shooting. These trips lasted one, two, and three days.

Politzer's part is relatively

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## Disturbing Incidents Mar 'Unpleasant' Interhouse

by Al Petterson

This year's Interhouse, as many Techers can attest, featured a number of disturbing incidents, many involving non-Tech personnel, despite the measures taken in recent years to forbid advertising off-campus and limiting access to alcohol. These events prompted Dean Chris Brennan to speak at this week's IHC meeting concerning the past, present, and future of Interhouse.

Dean Brennan began by describing how Interhouse has evolved over the past twenty years. Interhouse, he said, began as a carnival of sorts, intended for the Caltech community, wherein the houses would display their ingenuity in various ways. There was an element of costumes and performances, and the feel was very much one of entertainment and interaction. It was a festival for members of the Caltech community, alums, faculty and staff and their families.

In the last five or so years, he went on, Interhouse has changed dramatically, and, in his opinion, for the worse. Standing on the Olive Walk, he said, he found himself "surrounded by young people from the surrounding community" who have no knowledge of or stake in Caltech. The atmosphere has grown far more unpleasant. It was "not [something] I would have brought my family to," and, he said, he left that evening feeling very depressed.

The feeling that Interhouse was poor this year was not his alone, nor was the lack of fun the only thing wrong. For the second year in a row, the Pasadena Police were called to Interhouse because of fighting. When they arrived at Ruddock, they were forced to shut down the band to control the crowd, many of whom were Pasadena high school students with no connection to the Institute.

Dean Brennan emphasized that he was not blaming the student body for the change in atmosphere. The most disturbing aspect of recent Interhouses, he said, has been the number of local high school students who crash the party. Caltech is being increasingly victimized by the surrounding community, in that locals are taking advantage of the low security at large Caltech events.

Pasadena youth are on the lookout for Caltech parties, said Brennan, where they can, with little or no fear of law enforcement, cause trouble, disrupt the environment, and in general make Interhouse miserable for the student body and their guests. He pointed out the frightening fact that "they know when [and where] Interhouse is." During the Halloween party two weeks before, according to one member of the IHC, Techers were stopped off campus by carloads of high school students asking whether Interhouse was that weekend, since there was a party going on on the Caltech campus.

The IHC's attitude was one of general agreement; as one student who attended the meeting commented, "Interhouse sucked; I didn't know anybody there."

Dean Brennan contrasted Interhouse with the Halloween party in Dabney Hall Garden. The difference, he said, was the controlled entrances to the party. There were very few gates left open to the garden, and security guards at the entrances simply asked those who wished to enter what house they were from, a question very few gate-crashers would be able to answer convincingly. "It was a great filter," Brennan commented.

The bottom line, according to the Dean, is the absolute necessity of "a strictly controlled perimeter." The IHC agreed, and also agreed in principle with the intention of putting temporary fences on the Olive Walk, from Fleming to Page and from Ricketts to Ruddock, and closing off or controlling all other access to the student houses for the evening.

This fence, in addition to acting as a filter, would allow Caltech Security to prevent bottles or cans of alcoholic beverages from being brought to the event. (Bottles and cans were outlawed this year at Interhouse; anyone who helped to clean up after the party can attest to how poorly this was enforced.)

Brennan said, "I think we've been very fortunate that there haven't been worse problems. Next year will have to be different."

## Weekend Y Events Abound

by Andrew Hsu

A fundamental question that many people inevitably ask themselves on Friday is "What am I going to do this weekend?" Yes, I've even heard people ask this on campus occasionally. They usually answer this question with words such as "term paper", "problem set", etc. But for those people that are just not satisfied with spending the weekend alone, doing homework, the Caltech Y will be sponsoring a number of events this weekend to satisfy everyone's need for a break.

Since weekends start on Friday, the Caltech Y starts its weekend

## Derelict Cars Will Vanish

by Jim Minges

As all of you know, parking at Caltech is difficult to find. The situation has been exacerbated by the fact that some people have been using the parking lots for long-term storage of their vehicles or to keep vehicles which are not currently operational. Also, the parking spaces have often been lost to cars owned by PCC students, surrounding neighbors, and other people not affiliated with Caltech.

To alleviate these problems and to free up more parking for Caltechers, Security has identified 64 vehicles which they believe to be abandoned or non-functional. Some of the characteristics identifying non-functional vehicle are: broken windshields, missing major components, flat tires, or occupancy of the same parking space for long periods. These vehicles have had notices placed on their windshields, identifying them, and stating that they will be towed away to the Pasadena City impound yard if the Security Office does not hear

with a free noon concert on the Winnett Quad. For today's noon concert, Caltech's Monday and Thursday Jazz bands will be presenting an hour of big band and contemporary jazz charts. The front man, Bill Bing always delivers a great performance with some help from the local Caltech jazz musicians.

To keep things in a swing, the Caltech Y continues its sponsorship of jazz music by offering discount tickets to the Duke Ellington orchestra later on tonight. Students can get tickets for \$6.00 while faculty and staff can get them for

from you, or the car is not removed from the lot within seven days.

**CHECK YOUR CAR.** Security has attempted to determine the owner by use of the Caltech parking sticker, and by use of the California Department of Motor Vehicles registration systems. However, some license plates have expired, so they are not on the DMV list. Some cars are licensed out of California, so the DMV list cannot be used, and some cars do not have Caltech stickers. If your car falls into any of these categories, Security cannot contact you, and your car will be towed. A list of the vehicles currently identified for removal is reprinted below, with as much information as possible. If you recognize your vehicle, you need to contact Security at extension 4701, before November 28, 1988. Otherwise, it will be impounded at the City of Pasadena impound yard, and it will then cost \$53.50 plus \$10.00 per day to retrieve it.

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\$12.50. This is the original Duke Ellington Orchestra which was responsible for hits such as "Satin Doll" and of course "Take the A Train." Now under the leadership of the Duke's son, Mercer Ellington, the orchestra should not be missed in this one-night only concert.

On Saturday, Caltech will hold its annual 24 hour run-until-you-drop Kelroff relay. But for those of you with sounder mind than body, the Caltech Y will be sponsoring a work day at the Five Acres Group Homes. This community center provides the comforts of home to boys that unfortunately have none. The work day will include some general housework and yardwork. The day will start at the Y at 8:15 Saturday morning with a breakfast. Rides will then leave the Y at 8:45 and will return to campus at about 1:00, enough time to still give the Kelroff runners about 19 hours of encouragement and sympathy.

Finally on Sunday, the Y will be co-sponsoring a tailgate party in celebration of the Caltech vs. Pasadena Police football game. According to cheerleader Kate Loomis, the football game should be a lot of fun for everyone with free food and liquid refreshments for all Caltech students. This game is also part of the Toys-For-Tots campaign so be sure to bring a suitable toy so that some underprivileged child will have something for Christmas. Rumor has it that a prize will be given to the horse that contributes the most toys. Come out and watch the mental giants of Caltech battle it out the Pasadena's finest. The party starts at 11:00 a.m. and will take place in Tour-

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# letters to the editors

To the Editors:

There is a general misunderstanding of the difference between editing and censoring. Since the difference between the two lies primarily on subjective criteria, it is often difficult to distinguish between them.

Still, censorship is often clearly charged unjustly in many instances. When an editor refuses to print parts of an article, or rejects an article, writers tend to cry, "Censorship! My First Amendment rights have been violated!" This may not be true, as has been borne out in the past.

For example, several years ago, The Miami Herald refused to publish a proposed political advertisement. The politician sued the newspaper, arguing that he had a right to have his opinions published.

His suit failed. The Supreme Court argued that it is the editors' prerogative, an inherent responsibility of their position, to decide what material should appear in their publication. In other words, the editors, in their decision not to publish the material, were editing, not censoring.

This applies no less to The California Tech. The editors are not guilty of censorship unless they prevent publication of material by any recourse. If one's editorial views differ from those of the editors, there are suitable avenues to

take. But simply to accuse them of censoring is not only useless, but wrong.

Sincerely,  
Eric Fung

Dear Eds:

There is one highschooler who is bothering me more than all the ones at Interhouse and the Halloween Party put together. She's the Polytechnique student who was cast as the female lead in *Bye Bye Birdie*. Auditions for the "annual Caltech/JPL musical" (that's what it said on the orange flyer posted all over campus) were held last weekend. Guess what: the two female leads, Kim and Rosie, Mrs. Peterson, Mr. and Mrs. MacAfee are all going to be played by people whose only association with Caltech or JPL is a friend, or knowledge that auditions were going on.

There's more. Did you see *Oliver!* last year? The female lead, Nancy, was played by a PCC drama student. Oliver, whose face was seen on posters all over Pasadena, was the girlfriend of a Techer. When I complained this year that Techers weren't being cast, I was told that "well, we've always had ringers."

Next year, I suppose, we should advertise auditions in West Hollywood.

Last Sunday night, after auditions were officially closed, Shirley Marneus (the Theater Arts at CIT

(TACIT) director) held call-backs. Basically, she said, all of the people called back could play lead roles. She expounded on the fact that she was delighted that there were so many competent players and the choice of who was actually going to end up in each part was going to be very difficult. In line for Kim there were the aforementioned high school student, a JPL employee, and me, an indergrad. In line for Rosie were the JPLer and "a friend of somebody who works at JPL." Any of us could have played the parts, but it was the friend and the highschooler who were cast.

Yeah, I've got sour grapes. If it were the JPLer who won, or another student, or a faculty member, only my pride would sting. But I lost the part to a highschooler with no connection to Caltech, who wants to be an actress and has played the part before! How am I, who happen to be studying full time to be a geologist, supposed to be able to compete? And how could another Techer have competed against a PCC drama major? And why should we have to? This is supposed to be a Caltech production, where Caltech, not the rest of L.A., can get a chance to go on stage and show its stuff. What would happen if our sports teams were open to anybody off the street? We might win more games. And the people who play now would have the privilege of warming the benches for great athletes.

The point is, the musical is not using talent in the Caltech community. And it's not like Caltech doesn't have talent! We might get a slightly better show by pulling in outsiders, but is that the reason for TACIT, especially its last three letters? If our productions have to be so great that the people at Caltech and JPL can't perform them, then

why are we doing them? If absolute quality is more important than the amateur theater values of having fun, giving normal people a chance to perform, and seeing our friends and families on stage, then why don't we just hire professional actors for our shows? In fact, why don't we use the thousands of dollars devoted to the musical to buy theater tickets for the Caltech community and have a night out downtown?

If you think like I do, that TACIT should cast Caltech Community members in all the leads in future shows, then please come talk to me or drop me a note or call, preferably before Tuesday (11/22) when I will be meeting with Shirley and others to discuss this issue. If you don't agree, or think I'm being pigheaded, or you don't think Caltech has enough of its own talent to put on a musical, then please come talk to me too — no clubs or firearms —

Heidi Anderson  
1-59 Ricketts, Rm. 13  
578-9414

To the Editors:

I am writing this as a letter to the editors rather than an editorial for two reasons: first, I wish to take full responsibility for its content, and second, the layout of page two was impossible otherwise.

After a several-week hiatus, in which many students dared to hope that the problem had finally been solved, the south house fire alarms blew again Sunday and Wednesday evenings from unknown causes, disrupting students' midterms and prompting threats and mild cases of vandalism against the alarms.

Sunday's alarm, which rang off and on for forty minutes, caused implements to be placed in the speakers as mutes, students to open and examine the downstairs fire panel, and at least one alarm to be rendered inoperative.

I met with Associate MOSH Marda Collett, who counselled patience. She says she understands the impatience and anger of the students, but that any acts of vandal-

ism against the alarm system by the student body, in addition to being criminal acts, will be pointed to by the personnel working on the problem as interference by students and be used as an excuse for failure to solve the problem. She emphasized that it is extremely important that there be no detectable damage to or tampering with the alarms or detectors.

I feel that the situation as it stands is intolerable. Alarms which wake us up in the middle of the night or which ruin our concentration as we work are worse than useless; they are violating our privacy and interfering with the essential reason we attend this institute, i.e. they remove our ability to study. [Besides, we want to die in flames. -eds] I agree that no damage or tampering with the alarms should be evident. I suggest that members of the community use their imagination in a nondestructive manner.

Yours,  
Al Petterson



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## More Cars

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Note: licenses are CA unless marked.

Vehicle License	Caltech Sticker	Make/Model
CA 782CZU	(G) 7939	Green Pontiac
2KYE111	(R) 5424	Red 924
2EGY519	Permit 0122 (R) 4771	Porsche
748VNF	None	Grey Oldsmobile
1FFH294 (Expired '87)	(G) 7458	White Ford
None	None	Fairmont
431TZH (Expired)	(R) 5263	Yellow Mustang
1FNX520	(G) 8457	Green/Ylw Datsun
1GDB263	(R) 2986	Yellow Buick
2728477 (Expired)	Permit 0762 (R) 13760	Maroon Mustang
NY PEY414	(G) 7659	White Ford Van
OR JQM717 (Expired '83)	Caltech Permit 0068 (G) 7975	Orange Gremlin
044EMW (Expired '87)	(G) 7975	White Datsun
MOX391	(R) 2171	White Dodge Dart
3925SDG (Expired '87)	(G) 7649	White Malibu
1KPL583 (Expired '87)	(G) 7247	White Pinto
MI CHD720	(G) 7199	Yellow Cougar
NM BRX070	(G) 7685	Orange Honda
122TQV (Expired '87)	(G) 8426	Yellow Audi
812YBA (Expired '88)	(R) 112	Yellow Pinto
CRJ837 (Exp. 8/88)	(R) 4667	B&W Chrysler
NY 9617AGK	(R) 11868	Yellow Colt
IL GSR886 (Expired '85)	(G) 8014	Blue Volvo
966EZQ (Expired '86)	None	Yellow Pinto
OAE142 (Expired '85)	(G) 8043	Blue Falcon
863KPR (Expired '82)	None	Yellow Mustang
CO VFY884 (Expired '87)	None	Brown Ford Wagon
YND061 (Expired '87)	(R) 5289	White Plymouth
OAE724	(G) 4681	Red MGB
None	13202	Blue VW
111HTC (Exp. 8/88)	(G) 3693	Yellow Opel
124MSF	None	Blue Chevy
None	(G) 8088	MonteCarlo
1FFG395	(G) 7393	Red VW
1AEZ594	(R) 12425	Green Ford
2HMR202	(G) 7993	Blue Ford
		Yellow Dodge

NJ 165SYR	(G) 7268	Blue Honda Wagon
UT WPV928	(R) 12464	Brown Chevy
2CBU934	(G) 7029	Blue Opel
387UNB	(R) 3014	Silver VW
OAE142	(G) 8043	Blue Ford
PDZ632	(R) 3189	Black Olds
483DNT	(R) 11436	White Ford
UT UPV928	(R) 12464	Brown Chevy
NV 348CRE		White Ford Van
091RUO	(R) 2384	Green Olds
1FFG350	(R) 11975	Blue MG
CO UFY884		Rust Ford Wagon
089BTW		Blue Olds
1LFE251	(R) 5541	Peugeot
1LRB562	(R) 4428	Chevy Nova
1A1A745	(R) 5000	Audi 5000
DOE724	(G) 4681	MG
1BOH275	(R) 4729	Chevy
PA J63097		Plymouth
943ZTH		Fiat
971TRT	(R) 1806	Ford Pinto
2EGY328	(R) 1020	Ford Fairmount
4045DQ	(R) 12724	VW
PA ECD683	(G) 7924	Olds
358ZIC		AMC
CO ADA233	(G) 7783	Buick
MI 591TEC	(R) 4946	Pontiac
782MDN	(R) 4268	Peugeot

## More Politzer

from page 1

small, but he does have several lines in three different scenes, including scenes with Newman and Schultz. In addition to coaching the other actors on physics, Politzer is responsible for filling most of the blackboards which appear in the movie with equations. Politzer is quick to point out that the movie is still in production and that some scenes may be cut from the final version.

In addition to Politzer, Newman, and Schultz, the cast of the film includes John Cusack (*L.A. Law*), John McGinley (*Platoon*, *Wall Street*), Bonnie Bedelia, Natascha Richardson, and Laura Dern (*Blue Velvet*). Tony Garnett is the producer. Technical advisers include Richard Rhodes, author and expert on the Manhattan Project, and Spencer Wert, historian for the American Institute of Physicists.



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## More Events

from page 1

ment Park (next to the football field).

With this many events from the going on (not to mention the USC vs. UCLA game, and Kelrof) there simply is no need to be bored this weekend. Other things to keep in mind are the food donation crates that are in each house lounge. Please stock the crate in your house with canned goods so that the needy will be able to have a Thanksgiving meal. Also, if you are interested in helping serve meals to the homeless on Thanksgiving day, please stop by the Y or call the Y office at x6163 for more information. Serving meals will only require two hours on Thanksgiving, giving you plenty of time to devote to your other Thanksgiving festivities.

The Caltech Y is always interested in supporting (i.e. funding) ideas brought to them by students. These ideas are only limited by your imagination. If you have the strength to climb a flight of stairs to the Y office on the second floor of Winnett, you can find out what the Y has to offer (and there is a lot!).

## Big 10 Graduate Fellowships

The Committee on Institutional Cooperation (the athletic Big 10 plus the U. of Chicago) is offering fellowships designed to increase the representation of American Indians, Black Americans, Mexican-Americans and Puerto Ricans among Ph.D. recipients in the basic social science disciplines. Each award provides full tuition for the academic year plus an annual stipend of \$9,000. Interested minority applicants should contact: CIC Minorities Fellowships Program, Kirkwood Hall 111, Indiana University, Bloomington Indiana 47405. The application deadline is 6 January 1989.



Bibi Jentoft-Nilsen saved her best for the end. In her last collegiate cross-country race, she ran a personal best of 21:48.



Senior Ed Naranjo finished well in his final season at Caltech, improving his time by four minutes since the year began.

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of the ball once again, and were driving into Caltech territory. The Bulldogs were able to blast all the way to the Beaver 15 yard line. It was a tense moment for the Beavers, but then Mark Schmidt crushed any dreams the Bulldogs may have had of winning this game as he intercepted a Bulldog pass. The British lost their fire at this point and the game belonged to Caltech.

The Beavers have now brought their international record to 3-0, and their total record to 6-1. They will play against the Pasadena Police Department at Caltech this Sunday at 1:30 PM.

## The Caltech Glee Clubs

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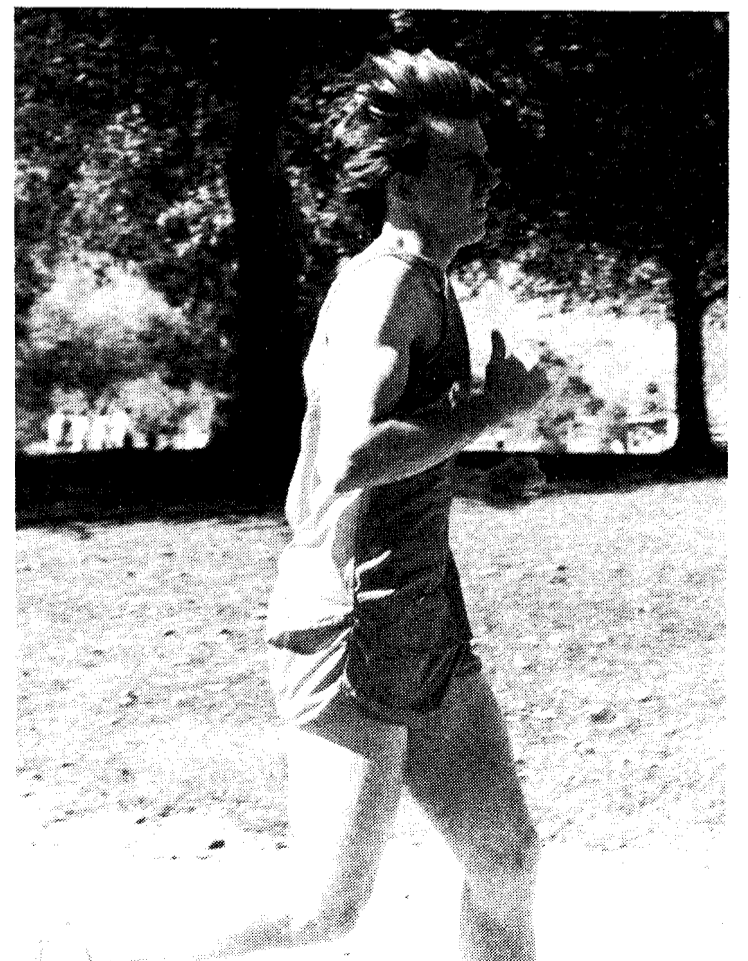
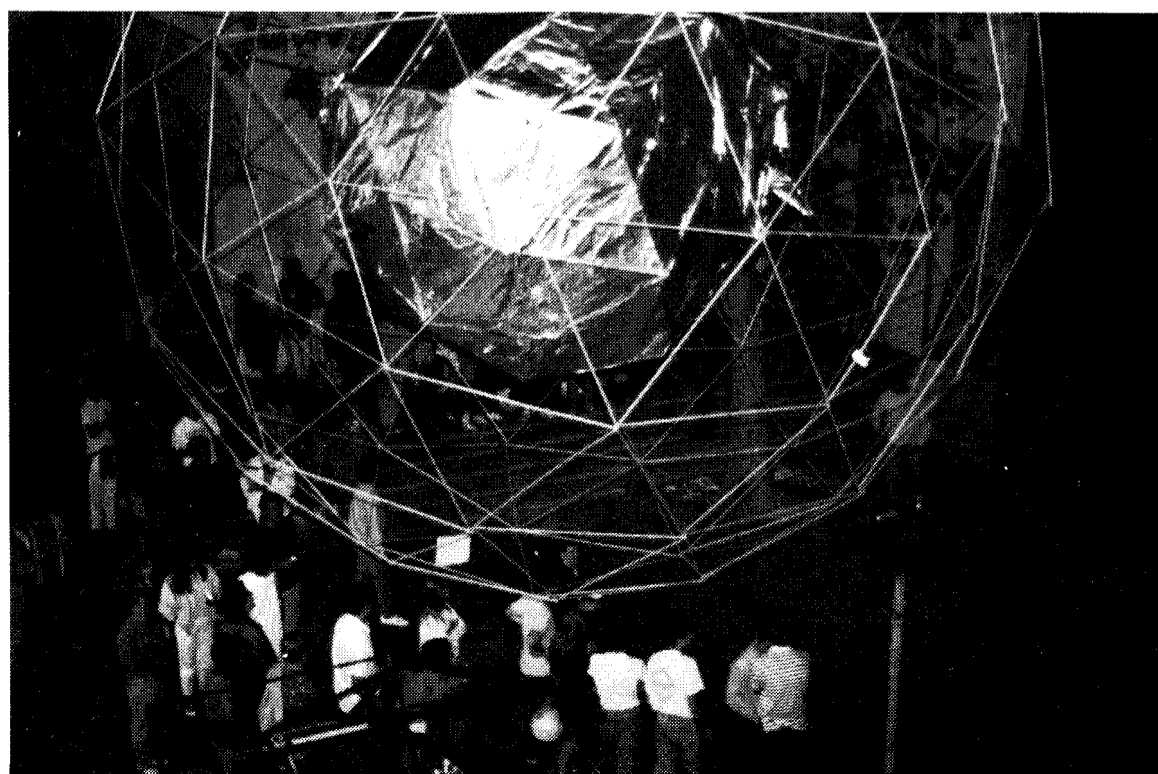
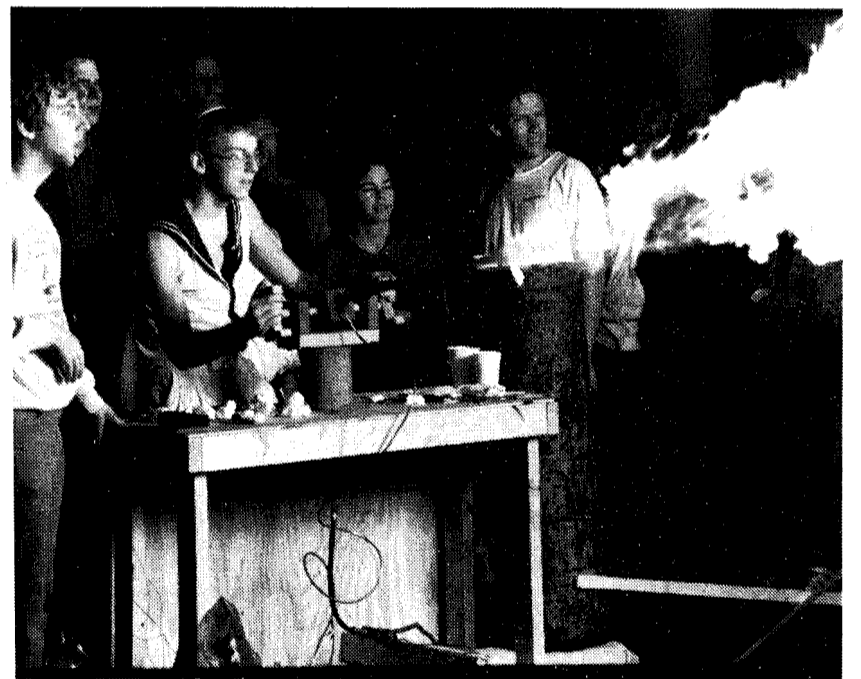
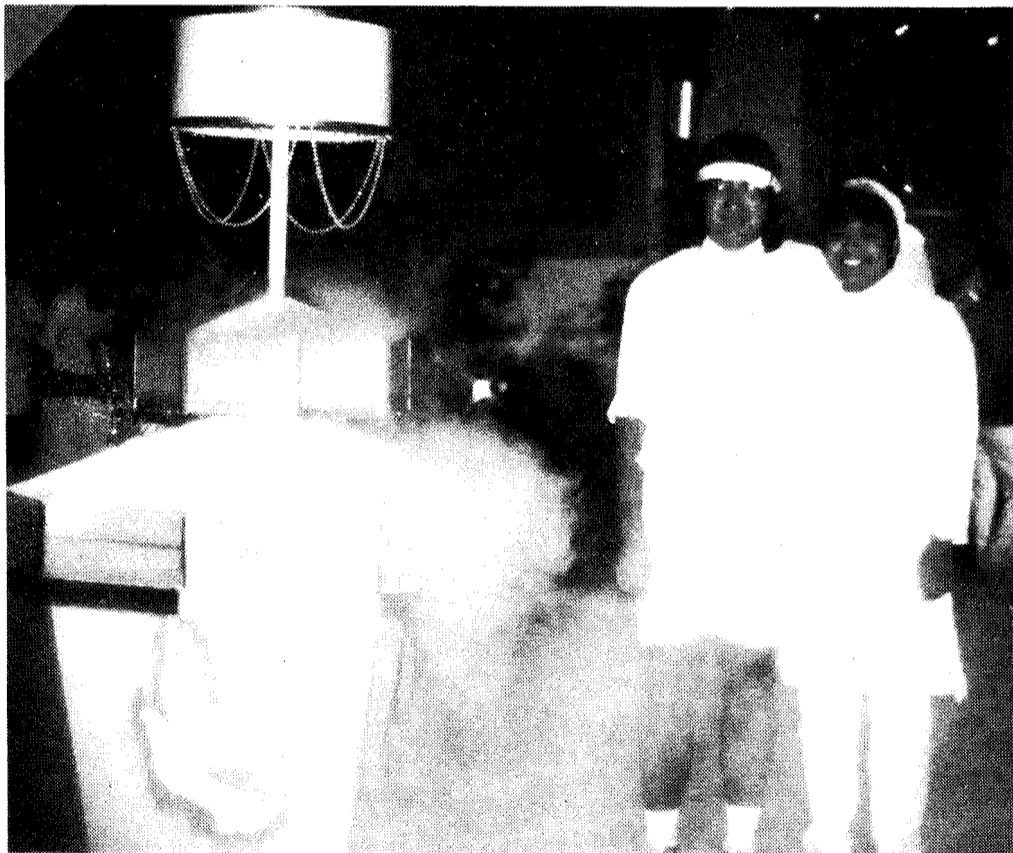
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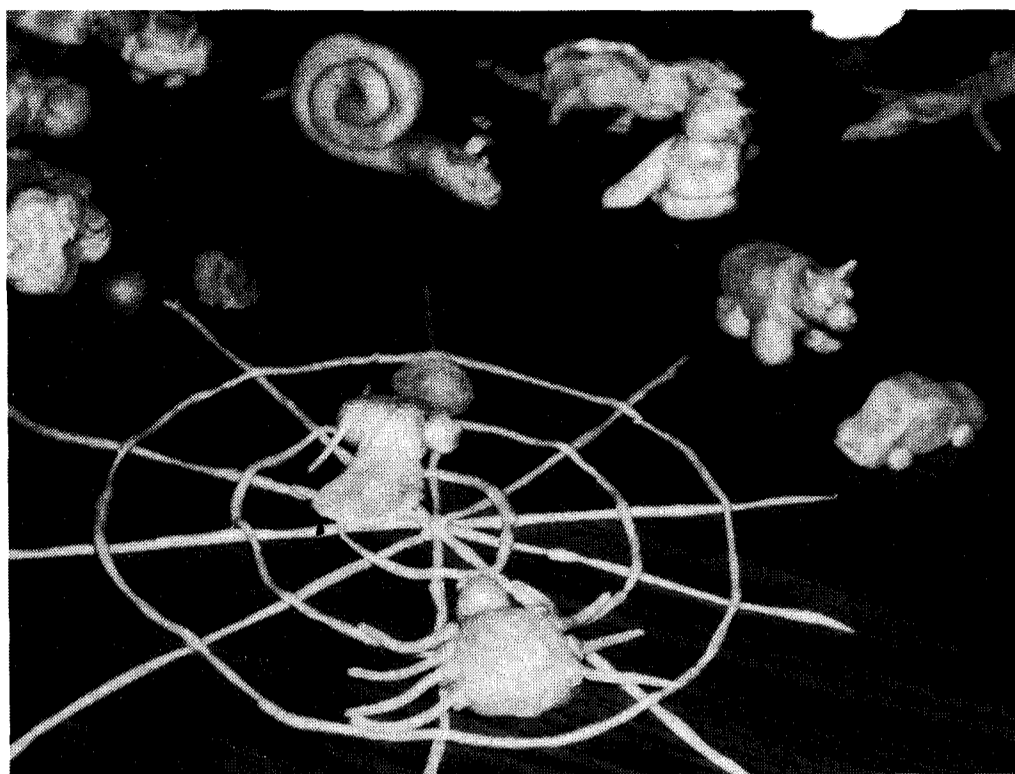
# SPECIAL INTERHOUSE SECTION

photos by Marc Turner



# SPECIAL INTERHOUSE SECTION

## The Inside World



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

Blacker: Marty O'Brien  
 Dabney: none submitted  
 Fleming: Chris Habecker  
 Lloyd: Garret Choi, Gil Elbaz, Curt Hagenlocher, and Dave Jeitner  
 Page: none submitted  
 Ricketts: none submitted  
 Ruddock: Cameron Campbell and Betsy Andrews

**Blacker:** It had all the makings of a great Interhouse: the death theme, with a beautiful and gigantic set of geodesic domes suspended from the courtyard as the Death Star, a giant gravestone on which people could actually climb to the roof, and a silly looking spring loaded platform which almost killed a few people. But anyone who actually showed up at Blacker House on Saturday night knows that a death Interhouse was just not in the stars for us.

Instead, due to some great insight by our illustrious and inspirational work chairmen, a last-minute theme change was made. The result: Space Opera interhouse.

The transition was smooth. The goofy platform was dressed up as the bridge of the Enterprise, so it could try to kill people in a more spacy atmosphere. The gravestone, which by a great coincidence had the dimensions 1 x 4 x 9, could be filled with stars (My God!) and converted into a monolith. The gigantic geodesic Death stars were easily transformed into gigantic geodesic planetary wonders. Add a few rolls of black paper splattered with the funkiest fluorescent paint and a laser beam backed up by the sounds of 2001, Star Wars, Pink Floyd, etc., and couple it with the fact that Blacker House had the fewest number of high school kids and frat boys per square foot than any other house, and you have the makings of a good to excellent Interhouse.

And of course, that masterpiece in the genre of unrehearsed-ad-libbed-put-off-until-the-last-minute-interhouse skits, Moles in Space, despite the fact that there was no pit of any kind to go with it, went off without a hitch. Stellar performances were given by Tim "Useless and Doomed" Hochberg, Ben "17 Minutes" Holland, Ian "Master Vader/BatOR" Agol, Ed "Cover Me" Nanale, Mike "SkywalkOR" Ricci, Mike "Space Titanium" McDonald, Paul "I Smell a Bar" Amadeo, Eric "Alarm" Hassenzahl, Chris "Redshirtphobe" Hurwitz, Mark "Arbitrary as Always" Montague, and a cast of dozens who gave their hearts to the audience. Thanks to everyone who contributed to Blacker Interhouse 1988 and made it one of the most successful in recent memory.

**Fleming:** It was a clash of the Titans Tuesday night as the Tech editors met the IHC. Numerous interested parties were present to cheer on both sides and a good time was had by all. It seems that the good old inside world will still be printed as long as there are (Shit! Gotta' go, there's a fire! \*\*\* It's nothing to worry about folks, just a false alarm.) available funds and such. So it seems that I owe the editors an apology for calling them spoogetheads last week. I'm sorry you're spoogetheads, (Don't get riled up, it's only a joke!)

Interhouse was a blazing success! (Speaking of blazing, it appears there is yet another fire! \*\*\* Really? It's just a fake?) As the deadline neared all hands were on deck finishing up last minute details, like the lounge, the courtyard, and the dining room. When things got rolling it was nothing but fun, fun, fun! The roast pig was awesome, the cookies were very tasty, the drinks were strong, and the play was one of the worst in recent memory. But hey, it WAS entertaining. There was a minor fight between some random guy and Swen Schwartzenegger, the blonde buff dude from Hell. It was all anyone could do to keep him from trashing the place. Thank God security was there! (Actually, the world's smallest security officer showed up, took one look at Swen, and turned around to go get help.) Later in the evening various alums decided to scream at each other saying "This is MY house, and if you don't like it, you can get the fuck out!" A certain frosh was rescued from Dabney where he had consumed quite a lot of alcohol. Being the nice guy that he was he decided to give it all back before leaving.

I'm going to get some aspirin now. This fucking alarm is giving me a headache.

It seems that Bill Swanson got permission from the head waiter to float someone at dinner. The following limerick explains why:

*There once was a frosh dressed in red,  
 Who got drunk in Dabney, it was said.  
 Bill and I went over there,  
 Picked him up into the air,  
 When the frosh decided to barf on Bill's head.*

*There's more to this poem than I've written,  
 There was also a frosh who was smitten.  
 No matter how hard he tried,  
 "I was shot down" he cried,  
 Now in ice water he is happily sittin'.*

Although we huffed and we puffed, we just couldn't get anyone to agree with us about the circumstances surrounding last Sunday's Discobolus soccer game against page. So it looks like we'll just have to wait our turn and take the trophy back from Lloyd or Ruddock, or Dabney if their fielding gets better.

I decided to start a poll. Guess to the nearest hundred dollars how much housing is going to charge us for having the red cellophane taken out of the lights at 9:00 AM Monday morning. Lord knows we aren't capable of cleaning things up cheaply by ourselves. We didn't offer anyone money to help us BUILD Interhouse, what makes them think we want to PAY to have it cleaned up? I sense a ream job on its way.  
 Well, my 106 is late and I'm completely bored with this. Bye.

- Super Flen, the Albino

[What exactly IS a spoogethead? Is it anything like a barfing Flen? If not, we accept the compliment. When are you Flems going to clean up our lounge, that's what I want to know. Besides, your limericks don't scan. -a/]

**Lloyd:** Due to the success of the Lloyd rotation film, we have become inspired to present the following releases for the holiday season:

Paultergeist - The Vice President of Lloyd gets sucked off-campus into the Corona TV set, but cannot be saved, because the set is broken.

Three Men and a Maybe - Starring Pete Rogan, Doug Corcoran, Jack Boyce, and Ian Dutton.

Top Bun IV - The fourth chapter in the true story of Miss Tara Kirby, who abandons her chemistry career for an instructor position at the US Navy Fighter Weapons Training School. There, in a bar, she meets a young pilot named Tom...

The TerWENator - She came from the future, naked but with a purpose. Her first stop: the Pasadena phone directory, followed by a detour to the weapons store to obtain a 45 automag with laser sighting. The relentless giggling TerWENator attempts to eliminate Bruce Patton's as yet undiscovered child, but fails as the child was not wearing a StarSensor(TM)...

101 Dalmatians - Gary Hindoyan discovers an inexpensive source of "spotted chicken".

Steve Ludtke stars in "Everything You Always Wanted to Know about Hex (but were Afraid to VAX)".

Anh Tuan Le, Huy Cao, and Brian O'Neil star in... "The Thuy Amigos!" (Slap, slap, hunh!)

The Empire Strikes Jack - The Society of Women Engineers, together with the National Organization for Women, pummel Jack Prater to death after being touched once too often. The plot takes an unexpected twist when heroine Mar-da Collett is paralyzed by indecision upon learning that Jack is really her father, turned to the dark side.

- Garrett Choi and Curt Hagenlocher in: 2.001-A Grade Odyssey  
 - Gil Elbaz and Dave Jeitner in: 2.010-Odyssey Too

**Ruddock:** Bush's election has had an immediate effect on Ruddock House. Ruddock is now a kinder, gentler place, a constellation of 100 or so points of light, with a renewed respect for charity, decency, family values, and the beliefs that make this country great. Admittedly, some of those points of light are kind of dim, or even, in one case, obscured by residue and build-up, but they're here.

Interhouse was last weekend, of course. Ruddock's new spirit was reflected in the teamwork and cooperation that went into its construction. At Interhouse itself, Matt Giger took it upon himself to spread the spirit(s) to, or rather over, the party-goers from a vantage point on the roof. The spirits he showered them with were golden, so to speak.

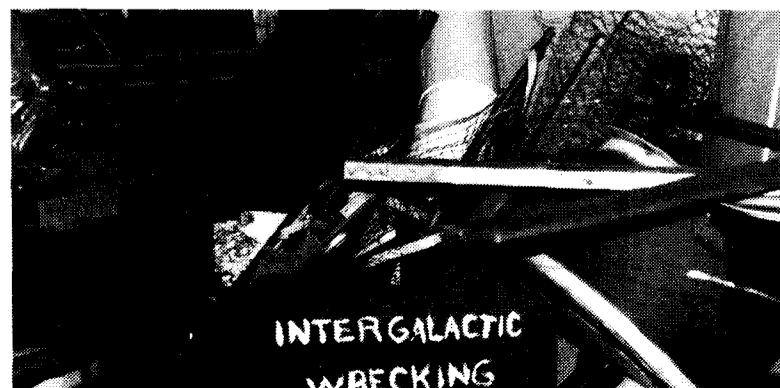
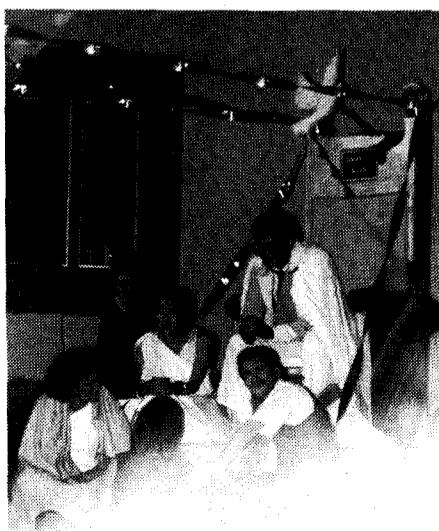
One little unpleasantness was Brett getting socked in the nose by a dissatisfied customer. In a Paul-like display of rage, he decided to be judge, jury, and executioner. He went running off with a baseball bat, knife, and chain to find his assailant and kill him. Ed Mao went after Brett and, after several close calls, was able to trick Brett into giving up his weapons. Later, though, Brett went on a rampage with a stapler and tried to staple Paul's nipples together in order to help him learn the truth.

While all this was going on, Dave Knight was SoloFlexing in his room with twin swedish foreign-exchange students (named Olga and Helga). Looks like that SoloFlex machine opens up whole new realms of possibilities for pick-up lines.

Meanwhile, back at the ranch, Marty's Passion Purple two-seater was collecting dust as he searched for a lovely lass with a nice pair of, uh, eyes to share walks on the beach with and who would be willing to put on a nurse's uniform and give him a thorough examination followed by a stern punishment for his unhealthy lifestyle.

Everyone's wondering, though, what was in those boxes that arrived in the mail for Betsy from the Ajax Rubber Novelties Corporation, and why she wouldn't open them in front of us.

- CamBets



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# Gridders Beat British

by Robert Hanna

This Wednesday our own Caltech Beavers Football team defeated the British Bulldogs on their 1988 World Tour by a score of 22-6. The Bulldogs are an all-star team from the British Football league which consists of over 400 teams. The Brits are on this tour to help improve football in England and show the rest of the world just what they've got.

The Beavers showed the Bulldogs early on that this was going to be a tough game that they would have to fight hard to win. Early in the first quarter it seemed that the Bulldogs might score, as they were able to make an early drive to bring them close enough for a field goal attempt. Unfortunately for the Bulldogs, it was no good.

This was when the Beavers started to pour on the pressure. Later in the first quarter, when the Beavers got the ball they were able to make a spectacular drive, led by Mike Whitney and Eric Newman, which brought them to the Bulldog 5 yard line. Once there, quarterback Steve Buratto handed it off to Mike Whitney, who powered past the British Defence to score the touchdown. Unfortunately, the Beaver extra point attempt was no good.

The Beavers soon had possession of the ball again and went on another piercing drive into Bulldog territory. This time the Beavers were able to go for a total of 50 yards to the British 15 yard line. At the fifteen, Steve Buratto let loose with a pass to Daren Casey, who made the touchdown. On the extra point Steve Harkness, was able to fake out the Bulldogs so that the Beavers were able to complete a pass to Fred Burnette for the two point conversion.

Near the end of the first half, the Bulldogs were on their way back as they completed a 45 yard

pass to bring them all the way to the Beaver 5 yard line. With seconds left on the clock, the Bulldogs threw what seemed to be a touchdown pass, but it was knocked down by Don Thomas and the half was over, leaving the Bulldogs scoreless.

As soon as the second half began, the Beavers were able to move the ball toward the Bulldog goalline. From our own 30 yard line the charge was lead by Vince Riley who brought the Beavers to around the British twenty. Daren Casey showed the Bulldogs that he came to play as he recieved his second touchdown pass from Steve Buratto.

Although there were no more touchdowns by the offence in the second half they made their presence know, as they were still able to make advances. One shining moment was when Troy Lisath was able to carry the ball some 35 yards, only to be stopped within a couple of yards of the touchdown.

But it was the Beaver defence that really decided to show their stuff in the second half. In one instance, near the end of the third quarter, the Bulldogs were forced to kick from deep in their own territory. At the snap the kicker fumbled the ball. He was able to recover but when he did he found himself standing in the end zone, surrounded by Beavers. Lawrence Campbell was able to make the sack, assisted by Robert Weldstand.

At the beginning of the fourth quarter the Bulldog offence rallied themselves and drove deep into Beaver territory. Once they were within range they were able to make the pass to score the touchdown. However, the two point conversion attempt by the British was no good.

The British soon had possession  
continued on page 3

# WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	11-18	TBA	Basketball	Invitational Tournament	Menlo College
Sat.	11-19	TBA	Basketball	Invitational Tournament	Menlo College
Sat.	11-19	TBA	Cross Country	NCAA III Nationals	TBA
Sat.	11-19	11AM	Fencing	U.C. San Diego	Occidental
Sun.	11-20	12 noon	Football	Pasadena Police Officers Assn.	Caltech
Mon.	11-21	7:30PM	Basketball	Pac. Coast Baptist Bible College	P.C.B.B.C.
Tue.	11-22	7:30PM	Basketball	Christ College	Christ College
Thu.	12-1	TBA	Basketball	Redlands Tournament	Redlands
Fri.	12-2	TBA	Basketball	Redlands Tournament	Redlands
Sat.	12-3	TBA	Basketball	Redlands Tournament	Redlands

# Cross-country Finishes Season

by Scott Kister

The cross-country teams finished their seasons at the NCAA Division III Western Region Meet at Castaic Lake. This was the toughest competition Caltech had faced all season. The strongest teams from California came, while the weaker teams didn't make the trip.

The women finished eighth out of eleven teams, beating Mills, UC Santa Cruz, and Redlands.

Freshman Jerri Martin was trying to qualify for the national meet. Unfortunately, she was not feeling well at the start of the race. During the race, she did not run with the lead pack as usual.

With a mile to go, she needed to pass three runners to qualify. In the next half mile, she passed two of them. However, she could not keep it up and slipped to 15th. Her time was 19:55, 48 seconds slower than two weeks ago on the same course.

Five runners whom Jerri had consistently beaten qualified for nationals.

Margi Pollack and Bibi Jentoft-Nilsen both finished strongly, passing six runners in the last half mile. Margi finished 39th in 21:45. Bibi finished her college cross-country career one spot back with a best ever time of 21:48

Golda Bernstein finished an excellent season by finishing 51st in

22:35. Liz Warner was 57th in 23:32. Freshman Emmeline Naranjo, who improved steadily over the season finished 60th in 23:54. Freshman Mary Rowe finished 62nd in 24:07

The women's squad improved tremendously from last year. They improved by three places in the regional meet from 11th last year to eighth. Their record in dual meets was 7-8.

The reason for the improvement was the addition to the top seven of three freshman: Jerri Martin, Emmeline Naranjo, and Mary Rowe. Jerri finished first overall in four meets. Margi Pollack and Golda Bernstein also ran much better than last year. The women will have six of their top seven runners returning next year.

The men's team finished ninth out of ten teams, beating Whittier.

They were led by Dan Flees who ran another excellent race, finishing 29th in 28:35.

Scott Kister finished 38th in 28:59. Chris Campo ran his best time of the year, 30:34 to place 49th. One place behind was senior Ed Naranjo, who ran his final meet in 30:43

Kurt Storm finished an excellent season in 54th place in 31:30. Mike Mahon was 56th in 31:39. Senior Jeff Willis was 58th in 33:09.

The men had a succesful season considering it was supposed to be a rebuilding year. The team lost its top four runners from last year, yet finished 6-10 in dual meets, and fifth out of seven in the conference. The team did this well because of a strong freshman class. Next year should be even better with five of the top six runner returning.

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# WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Sat.	11-12	Cross-country	Division III Western Region	Men 9th out of 10 teams Women 8th out of 11 teams
Sat.	11-12	Basketball	Alumni	Game 1, 70-64 OT Game 2, 63-41
Sat.	11-12	Fencing	Cal Poly	7-2 in foil, 6-3 in epee, 4-5 in saber, and 11-5 in women's foil
Wed.	11-15	Football	British Bulldogs	22-6


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# what goes on

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

### Amelia Earhart Memorial Money

The Zonta International Foundation offers \$6,000 grants in memory of Amelia Earhart to women for graduate study in aerospace-related science or engineering. Deadline: 31 December 1988. For information contact the Financial Aid Office, 515 S. Wilson.

### Flying Team

The Caltech Flying Team will be having an organizational meeting at 5:00 in Rm. 13 of the SAC to prepare for this year's competitions against other schools. Not all events require a pilot's license, so anyone of student status is welcome to join the team. If you can't make the meeting and are still interested, contact Jay Ebersohl at x6182.

### AIDS Testing At Health Center

HIV (AIDS) testing is available at the Health Center at a reduced cost of \$9.50. Testing is anonymous, completely confidential, and results are usually available in 24 hours. An appointment is necessary for this test.

### Caltech-Oxy Symphony

David Shostac, principal flutist of the Los Angeles Chamber Orchestra, will perform with the Caltech-Occidental Symphony in its first concert of the 1988-89 season, on 21 November at 8 pm in Ramo Auditorium. Shostac will be performing the Flute Concerto by the twentieth-century Danish composer Carl Nielsen. Also on the program will be Schubert's "Unfinished" Symphony and Ravel's "Rapsodie Espagnole." Admission to the concert is free. For information call Caltech's Office of Public Events at (818) 356-4652.

### Professional Engineering Dough

The National Society of Professional Engineers offers scholarships to undergraduate and transfer students pursuing a degree in engineering. Deadline: 1 December 1988. For information contact the Financial Aid Office.

### More Engineering Money

Equal Opportunities Publications, Inc. offers two non-renewable \$500 scholarships to honor outstanding women, minority, or handicapped students pursuing careers in Engineering. For information contact the Financial Aid Office.

### Goddard Memorial Scholarship

The National Space Club will award a \$7,500 scholarship for the 1989-90 academic year in memory of Dr. Robert H. Goddard. The 1989 award winner will meet national leaders in science, government, and industry. Applicants must have finished sophomore year, possess US citizenship, and intend to pursue undergraduate or graduate study in science or engineering during the scholarship term. Deadline: 6 January 1989. For information contact the Financial Aid Office.

### National Roofing Bucks

The National Roofing Foundation offers a \$4000 scholarship for full-time students enrolled in architecture, engineering, or other curricula related to the roofing industry. Applications and information are available from Aimee Anderson, Scholarship Coordinator, National Roofing Foundation, One O'Hare Centre, 6250 River Road, Rosemont, IL 60018.

### Arizona Honors Academy

The Arizona Honors Academy will offer a three-week seminar for exceptional undergraduates this summer, providing opportunities to discuss important world issues with writers, Sovietologists, national security officers, historians, physicists, and arms negotiators. Deadline: 15 January 1989. For information contact the Financial Aid Office.

### Polish Workshop

The Polish Language Workshop offers the opportunity to learn or review Polish in a friendly, relaxed atmosphere. It meets Thursdays from 7:30-9:30 pm in 210 Thomas September through June.

### Poetry Contest

The John Keats Poetry Prize of \$100 has been established by New American Poets, an annual award open to all U.S. College students. In addition, other prizes will be awarded at the discretion of the award director. Deadline: 30 November 1988.

### SAMPE International Awards

The Society for the Advancement of Material and Process Engineering will provide 27-\$1000 awards in international competition in April. Students in their freshman, sophomore or junior year may apply. Applicants must be recommended by the department head or scholastic advisor. Deadline: 1 February 1989. For information contact the Financial Aid Office.

### Play With Money

The Caltech Student Investment Fund meets every Wednesday in Millikan Board Room at 5 pm. We have over \$140,000 we use to buy and sell stocks and bonds. Profits buy pizza and soda for every meeting, and pay for dinner at year's end.

### Asimov On Humanism

Humanist Society of Friends will show Humanist film *Humanism: Making Bigger Circle*, narrated by Isaac Asimov, on Tuesday 29 November at 7:30 pm at Mercury Savings and Loan, 6245 Wilshire Blvd. The film addresses abortion, censorship, creationism, church-state separation, gay rights, women's rights and nuclear disarmament. Discussion will follow the screening. Admission is free. For information call (213) 656-1134.

### Jack Smith Speaks To FOCAL

The Friends of Caltech Libraries (FOCAL) will present a talk by *Los Angeles Times* columnist Jack Smith on Thursday 1 December at the Athenaeum. Smith's talk will follow a no-host cocktail hour at 6 pm and dinner at 7 pm.

Smith will also be available at the event to autograph copies of his book, *Dogs, Cats and Other Strangers at My Door*. Tickets cost \$27.50 per person, \$25 for FOCAL members. For information and reservations (due by 23 November), call Gloria Thomas at (818) 356-6411.

### Need A Club Mailbox?

Club mailboxes may be obtained from Nancy Matthews (SAC room 50) or Milly Pena (SAC room 38) between 1:30-3 pm, Monday through Friday.

### Yet Another Totem Poll for Art

Attention writers, poets, and artists! The second *Totem* in as many years will appear this spring and will contain a diverse, if not complete collection of Techer-expressed wisdom and imagination. Address submissions to 116-58. For information contact Sam Dinkin (1-59 or x3828), or Erik Russell (Annex #5, 1-59, x6188). Copies of previous issues of the *Totem* are available.

### Super Bowl Of Chili?

The 5th annual Super Bowl of Chili will be held at El Cariso Park on Saturday 3 December from 10 am to 6 pm to benefit the Wildlife Waystation. The day's events include The News Media Challenge, \$3,000 in prizes, a trip for two to Hawaii, live country music, an auction, contests for ugliest boot, best hat, Miss Chili Pepper, cook's showmanship, "People's Choice" chili and a petting zoo. Admission is a \$2 donation.

Take the 210 freeway to Hubbard exit, go north 6 blocks to El Cariso Park (on right). Enter the top parking lot. For further information, please call Kenn Kingsbury at (213) 419-8142 or Maureen McFadden at (818) 786-2347.

### Red Cross CPR Course

The American Red Cross will offer a cardiopulmonary resuscitation course to Caltech personnel during two four-hour sessions in Winnett Center: 1-5 pm Tuesdays 22 November and 29 November. Registration and new CPR books (1989 edition, \$8) are available at the Safety Office, 25 Keith Spalding, x6727.

### Bellcore Group Meeting

Bell Communications Research will host a Group Meeting/Pizza Party from 7-9 pm Monday 21 November from in Winnett clubroom 1. Bell Communications Research will interview on-campus Tuesday 22 November. Sign up in the Career Development Center, 08 Parsons-Gates.

### MBA Forums

If you're applying to business school, the MBA Forums are for you. Over 75 business schools will attend, giving you great chances to meet admissions and financial aid officers, placement directors, and corporate representatives from many leading graduate management schools. The Forums open in Los Angeles on 18-19 November and in San Francisco on 3-4 February. Registration costs \$5 each day at the door. For information visit the CDC, 08 Parsons-Gates, x6361.

### Leftover Big T Photos

If you had photographs in the 1987-88 yearbook and would like them back, send a note to the **Big T** editors (mailcode 27-58). Include the page numbers on which the photographs appear, the content of the photograph, and your name, mail code and phone. Any pictures not claimed by 28 November will be lost.

### Red Door Cafe Needs You!

The Red Door Cafe has undergraduate work-study positions open. It pays \$6.00 per hour and is a lot of fun. Meet your work-study obligations and meet new people. Call Sharon at x4757, or 577-1953, or drop a note to 218-51, The Red Door.

### Ellington Orchestra

Under the direction of Mercer Ellington, the Ellington Orchestra will perform such classics as "Satin Doll," "Take the 'A' Train" and "Perdido." CIT student tickets: \$12.50-11.25-10.00. CIT student rush tickets at \$6 each go on sale today. Student ID required.

### Land of the Long Lived

Jens Bjerre personally narrates the Armchair Adventure entitled "Hunza - Land of Long Life" at Beckman Auditorium on Saturday, Nov. 19 at 8 pm. Highlights include a visit with the pagan tribe of the Kalash people, mysterious 5,000-year-old rock carvings and a couple who are 110 years old. Admission: \$7.50-6.00. For information on this and other Caltech Public Events, call the Ticket Office on campus extension 4652.

### Red Cross Disaster Training

Red Cross Disaster Services volunteers are trained and ready to respond to assist the victims of any man-made or natural disaster every day of the year. Emergency food, shelter, medical attention, and other assistance is provided to disaster victims in order that they regain self-sufficiency as quickly as possible.

Citizens interested in helping their friends and neighbors may volunteer for American Red Cross and sign up for free Disaster Services training courses and workshops on various facets of disaster work.

Call the Pasadena Chapter at (818) 799-0841 for information.

### Social Security Booklet

Social Security? Many people only know half the story. Get the whole story from the free booklet, "Social Security, How It Works For You." Call toll-free 1-800-937-2000 to request the booklet.

### Read A Good Book Lately?

Everyone's heard of it. Many have read it. A few say it changed their lives. What is the *Bible*? Come and hear the expert Paul Byer and decide for yourself! InterVarsity Christian Fellowship invites all Caltech students, faculty and staff to attend a talk on the subject to be held at the Millikan Boardroom on Friday, November 18th at 7:00 pm. For more information, contact Ernie (568-9168).

### Chem Course Correction

Please note that ChE/Ch 164 - Introduction to Statistical Thermodynamics, will be taught on MWF at 1:00 pm, not 11:00 am as announced last week. It will be in 117 Noyes. Instructor: Marcus.

### Tye? Tie? Die? Dye? Why?

Come tie-die, no, that's tie-dye, no, that's tie-dye, yeah, that's right. Dabney House Courtyard, 4:30-6:00 pm TODAY. Bring any cotton cloth to dye, or buy T-shirts for \$4 on the spot! Sponsored by the Caltech Y.

### Science and the Media

On Wednesday, November 30 at 12:05 pm, there will be a Science, Ethics and Public Policy seminar in the Judy Library in Baxter. The guest speaker will be Mr. Jack Burby, member of the editorial board of the *Los Angeles Times*, and the topic will be "Science and the Media." Bring your brown bag lunches.

### Return of the ME72 Contest

The Annual Caltech ME72 Engineering Design Contest will be held on Thursday, Dec. 1 at 2:00 pm in Baxter Lecture Hall. Spectators are welcome. Assistant Professor Erik Antonsson presiding.

### Cinematech Shows Sidhartha

This week's Cinematech film will be Conrad Rooks' *Sidhartha*. Adapted from Nobel Prize-winner Hermann Hesse's novel, this is a true art film (as it must be with Herman Hesse's works). It follows a man's attempt to find life through experiences of the mind and body. The photography by Sven Nykvist (who also worked with Ingmar Bergman) is dazzling.

The film will be screened on Saturday, Nov. 19 at 7 and 9:30 pm in Baxter Lecture Hall. Admission charge is \$1.50.

Also plan to come to *The 20th International Tournee of Animation* on Nov. 20, 21 and 22 (Baxter Lecture Hall, 7 and 9:30 pm, \$1.50). The Tournee features 18 animated shorts including "Luxo, Jr.," "Baeus," "Your Face," "A Greek Tragedy," and "Snookles"!!

### S.P.E.C.T.R.E. in the Village

S.P.E.C.T.R.E., the Caltech Science Fiction Club, will be meeting on Wednesday, 23 Nov. at 7:30 pm in Clubroom B (Rm. 15, SAC). After the meeting we will watch the first episode of *The Prisoner* (see article in this issue) and the first episode of *The Hitchhiker's Guide to the Galaxy*. Questions? Call Mark Looper at 304-0006.

### GEM Fellowships

The National Consortium for Graduate Degrees for Minorities in Engineering, Inc. (GEM) announces its 1989 Fellowship competition, which will provide 150 awards to minority students in engineering. The *minimum* academic requirement for applicants is undergraduate enrollment as a junior in an engineering discipline. Seniors and recent graduates also are eligible.

Each fellowship pays tuition, fees and a stipend of \$6,000 per graduate academic year, as well as providing summer employment with a sponsoring Member Employer. The total award value ranges between \$20,000 and \$40,000 and depends upon which member university the Fellow elects to attend.

Applications must be received by 1 December 1988. Awards will be announced 1 February 1989. Information and applications may be obtained from: GEM, P.O. Box 537, Notre Dame, IN 46556.

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