

Hey Kids!!!  
SPECIAL SUPER-SIZED

# THE CALIFORNIA TECH

jam-packed ~  
FUN  
ISSUE!!

VOLUME LXXXVII NUMBER 2

PASADENA, CALIFORNIA

FRIDAY 11 OCTOBER 1985



—photo by Chris Meisl

PASADENA MAYOR WILLIAM BOGAARD ANNOUNCES THE CREATION OF PROGRAMA AMIGOS. VEEP FOR INSTITUTE RELATIONS TED HURWITZ IS FOURTH FROM LEFT.

## Help Our Sister City

by Seth Jelen

Caltech will show its support for the victims in Ciudad Guzman during the coming week in a campus-based effort involving informational flyers and personal mailings, coordinated by the Caltech Y.

The past weeks have seen the Y participating in many local meetings culminating in the mayor's announcement one week ago that Pasadena adopted Ciudad Guzman as an emergency sister city, thus starting Programa Amigos.

All facets of Pasadena—the Lions, Rotary clubs, hospitals, the *Star News* and PCC to name but a few—are participating in this effort, and the Caltech community is proud to play an important part.

Of similar population and size to Pasadena, Ciudad Guzman could

easily pass for our twin but for its location ninety miles northeast of Guadalajara in the heart of a farming region. It was the second most damaged city; entire neighborhoods were leveled and many buildings cracked to their foundations. Nonetheless, their community spirit lives as they clean up, aid the wounded and homeless and seek to rebuild the city. Without needed resources, they are forced to look to others in this last, vital goal.

At a press conference last Friday, both real and potential similarities between the two cities were discussed. Since Pasadena also lies near major faults, the question was raised: if a similar tragedy had occurred here, could we have been so bold as they in Ciudad Guzman?

### ACT NOW!

Send your tax-deductible charitable contribution to:

**Programa Amigos**

Caltech Y

Winnett Center (218-51)

Come and see the devastation of Ciudad Guzman—a slide presentation by Reams Freedman, a member of the Pasadena Assessment Team that went to Ciudad Guzman. Thursday, October 17, 1985, 12-1 pm. Winnett Student Center. (Bring your lunch.)

## Pillow Talk

by Ralph Wolf

There are many unsolved puzzles in human sexuality. Some of the most fascinating have to do with the "gender transpositions"—those human traits in which some aspect of sex roles or sexual desire is transposed from the heterosexual masculine male/feminine female stereotype.

Dr. James Weinrich, a research professor with the Department of Behavioral Sciences at the Boston University School of Medicine, will be exploring this puzzle in the lecture "Limerant and Lusty Sex Drives and the Nature of Bisexuality" tonight in Dabney Hall.

Dr. Weinrich holds a B.S. in Mathematics from Princeton and received his Ph.D. in Biology from Harvard. He is a member of the American Psychological Association, the Society for the Psychology Study of Social Issues, and has authored numerous articles and papers.

The lecture begins at 8PM in 121 Dabney Hall. It is sponsored by CLAGS, the Caltech Y, and the Master of Student Houses. Refreshments will be served.



## We Won!

Techers Wail on Valley Nomads, 28-Zip

From the sixty-incher at Palomar comes the latest shot of your friend and mine, Comet Halley. What's new about this latest version? Halley's got a stunning new tail this season. Flowing from the right of the brilliant corona, the latest in astronomical fashions will be coming *straight for earth* soon! JPL paparazzo James Gibson nabbed this fab pic.



—photo by Rod VanMeeter

LETTERS

To the Editor:

In response to Mr. Warr's letter last week, I have a few things to say, but one stands out in my mind: *I am aghast!* Mr. Warr, I do not wish to insult you nor discredit the legitimacy of your perspective on Caltech and American life as a foreign student, but I find your allegations to be in many cases erroneous and your attitude inconsistent, perhaps even hypocritical.

First of all, I am concerned for the sort of schism which such a letter as this may provoke between graduate and undergraduate students. You are only one person, but I perceive from your statements (all of paragraph 2, and "Graduate students are adults who've made all the relevant decisions on how to live their lives.") a degree of condescension to undergrads (which I assure you is *not* appreciated) and annoyance that some undergrads have made the pretentious suggestion that "graduates... should attend regular seminars on the Honor Code." I wonder if there are other graduate students who share your condescension and annoyance. Mr. Warr, there is *enough* misunderstanding and alienation between grads and undergrads already, and it seems to me that a profitable alternative to spectacular attacks might be to establish a reasonable forum to mend that schism. There are many touch issues, a tiny number of which I will illustrate: Grad students, some of them with less academic depth than some senior and even junior level undergrads here, others from foreign countries with a less-than-ideal command of the English language, teach or assist in teaching classes to undergrads. Grad students (deservedly) have many privileges of status and responsibility which undergrads do not have, and I think many undergrads see this with a degree of defiance or envy, particularly if they do not have any grad students as friends. MANY classes here are attended by both grads and undergrads, but my observation is that they rarely work together. I would like to see the barriers between graduate and undergraduate students broken down, but this will not happen if we demand a right to our antagonistic or indifferent attitudes.

To respond a little more specifically to the subject of your letter, Mr. Warr, I do not agree that the status of graduate student endows one with the intended *principle* of the Honor System as it functions here. It is true that each person here is responsible for his or her actions and must accept whatever consequences result from them, but this does not imply a commitment to "decent behavior." I am not at all intending to attack graduate students; I am responding to an attack on the veracity of the Honor System and the need for all of us here (grads, undergrads, faculty and staff) to take it seriously and be *informed of its implications*. To inform people (e.g. freshmen) how to live is not to indoctrinate

them; in this case it is to persuade them of a better way to live than they are likely to be accustomed to. To put oneself above such information is in my mind arrogant and likely to provoke suspicion or hostility in others. Further, there is a great deal of pressure at all levels to perform here, and correspondingly a great temptation to some to take shortcuts or other opportunities to improve their performance, and neither maturity nor the expectation that all members of this community "*should* (my emphasis) have a... strong personal ethic" is going to empower anyone here to resist that temptation. There are plenty of people in the world of whom I have no questions regarding whether they are "grown up" or not and yet who will manipulate, oppress, and take advantage of others if given the opportunity.

Finally, Mr. Warr, I am an undergraduate student. In looking back on the time I have spent here (it has been five years since I started, as I have spent two years on leave working), I have matured ("grown up," if you would like) a great deal, and yet I see no experience I have had here that suggests that I ought not to have come here when I did. Further, I do not see graduation or my own attendance in graduate school as an event indicating I have "arrived" and have no further need to make relevant decisions or to be reproved for making unwise ones. Also, I am a Christian, and neither advocate nor deliberately practice self-righteousness, as you seem to imply I would. I hope I find self-righteousness to be at least as repugnant as you, for it is one of the greatest tenets of what Christians (ought to) believe, that I am bound to fall short of that to which I hold as an ultimate ethical ideal. Finally, I am a member of Fleming House, and I assure you that I and many others here are not victims of a subtle propaganda scheme which brainwashes us into unwilling submission. I do not defend every act and attitude which occurs here and elsewhere among the undergraduate houses, but neither does a single scathing comment identifying the undergraduate houses with a slaughterhouse begin to do justice to the truth or bring right where there has been wrong. (By the way, those sexy red shirts you mention are not available in the bookstore, and the entire word "Fleming" is written quite blatantly across the back.)

—Michael T. Gorder  
*Undergrad, Applied Physics*

To the Editor:

I would like to thank Mr. Brian J. Warr for not including Blacker House in his editorial letter last week. I'm sure everyone here is more than happy *not* to be included in his imaginary universe.

—Jim Bell  
*A Blacker VP*

To the Editor:

In the October 4 issue of *the Tech*, there was an editorial [letter]

by Tim Cotter. This letter concerned the Coffeehouse move. Besides containing some misstated facts, this letter also left out some very important points that were discussed by the ASCIT Board of Directors (BOD).

The most salient misstatement was that the Coffeehouse managers did not know about the moving plans until two hours before the last meeting. During the April 23 meeting of the BOD, this topic was first discussed. Joe Williams, a manager, was present at the meeting and even gave his opinion on the move. On May 21, the MOSH proposed turning over the house, erecting a new facility in the South Kitchens, and making the old house student housing. The final decision was made on June 6, with the stipulation that the changes would be completed before the end of the summer. It was also agreed that ASCIT would have a liaison with the Administration so that something would be done.

The housing shortage was a minor point in our decision. By changing the coffeehouse to a student house, it would have been possible to gain 2 or 3 spots. This was brought up by the MOSH, but was in no way a major reason.

Jim Minges, the director of Business Services, was the major reason for our decision to move the Coffeehouse. In the past, no one would take responsibility for the Coffeehouse. This meant that no money would be put into the upkeep of the Coffeehouse. ASCIT was for the first time, given an opportunity to have money put into the Coffeehouse. Because of Jim Minges's offer to build a new coffeehouse, which would have future upkeep paid for, we decided that the best choice was to move the Coffeehouse. Things went sour over the summer, when the costs became evident. Right now, it is Jim Minges's view that the student interest is not enough to justify the costs.

In conclusion, the decision to move the Coffeehouse was based more on the availability of funding than any other reason. Plenty of notice was given to the Coffeehouse managers before the decision was made. If they could not convince the BOD otherwise, with 1½ months preparation time, we believe the decision was the correct one at the time. ASCIT is still in communication with the Administration on this matter. We hope that something will be worked out in the near future.

The ASCIT BOD

To the Editor:

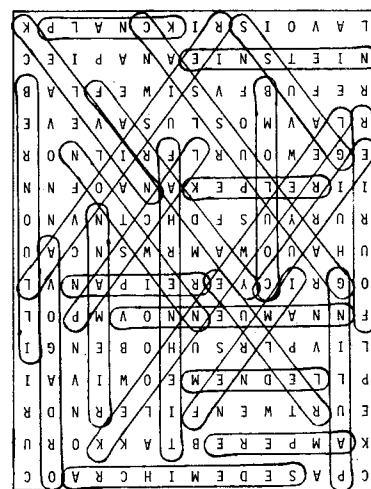
I was dismayed last week to see an old misconception about human nature once again dogmatically asserted in *the California Tech*. It is the idea that ethical behavior is innate and need not be taught—especially not to adults! "Most people behave 'decently' because they perceive that to be in their best interests," says Brian Warr in his letter to the Editor. If by "most" he means "more than half," he may possibly be correct, but this is no argument for the abolition of moral codes. It only takes several percent to endanger the well-being of the community. And in practice, as anyone with a moderately global perspective can see, the perceptions which various groups and individuals have of their best interests have led to warfare, oppression, poverty, and all manner of injustice. One need only believe a fraction of what one reads in the newspapers to see that man is neither basically reasonable nor peaceable.

When I entered college, I was by no means a fully mature or complete person. (Maybe I would not have cheated on an exam, but that begs the essential question.) Now, what right does anyone have to tell me that "if 'growing up' is still something that one has to do then a campus is not the place"? On the contrary, college, or any other sta-

tion of life where a late adolescent finds himself, is the place to grow up.

Now that I am a graduate student living in Keck House, I still wonder whether everyone is grown up. Every week some of my peers take advantage of my by leaving dishes, which I washed, dirty in the kitchen, or stealing the utensils I need in order to feed myself. Maybe it *would* be a good thing for

continued on page 4



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The Caltech Y Fly-by

Friday...October 11

Noon Concert. Who knows what band will play in the heart of Tech? ... we don't! Lunchtime on the Quad. Bring a friend and a Shadow.

Saturday...October 12

Can it be? The GSC, the Deans, and the Y present... RECOMPRESSION! (No not Decompression, Recompression!) Food, drinks, the Kevin Fisher Band, and who knows what else!!! In Winnett Lounge at 9:00 P.M.

Tuesday...October 15

Practice for the Waltz Party, which will occur Saturday, October 19, 7:30 P.M. in Dabney Hall.

Sign up for coming events:

Friday...October 18

Philharmonic Trip. Mozart's Piano Concerto in G, and Britten's Spring Symphony. Tickets are \$4. Sign up by Wednesday, October 16, at Noon.

Saturday...October 26

U.N. Day Luncheon at Athanaeum. Luncheon and program run from 11:00 A.M. to 2:00 P.M. Sign ups and program listings are available in the Y.

Sunday...October 27

L.A. Philharmonic Matinee. Druckman, Debussy, and Tchaikovsky, 2:30 P.M. Tickets are first-come, first-served and FREE.

Any questions, comments, or prospective Excomm members?

Come see us in the Y office or call x6163

THE ASCIT MOVIE  
TONIGHT at 7:30 and 10:00

REAR WINDOW

Next Week—Blues Brothers  
in Baxter Lecture Hall

\$1 ASCIT members

\$1.50 all others



## ENTERTAINMENT

Bo Brady Sighted

## Flying K's Rock Out

by Diana Fôss  
The Flying Karamazov Brothers  
Saturday Night  
Beckman Auditorium

I can't think of any better reason for missing GGFL. Last weekend, the funniest juggling troupe in the known universe bounded onto campus and treated a packed house to a fantastic show of juggling and cheap theatrics. The Flying K's are five unrelated showmen, only one of whom is blond, and only one of whom never says anything, who "continue that Grand Tradition of the Theatre." Their juggling is breathtaking; they began the show with all five throwing brightly colored clubs back and forth between them, and continued with a routine where they played a *song* with their juggling on drums and xylophone. They followed that with a set they called *Jazz*, in which all five juggled white clubs together, but no one knew what the others would do. It was completely spontaneous, and

after a while, one's eyes became so dazzled, that it was impossible to follow any one club; it all blended into a whirling cloud.

The two really big crowd pleasers were the terror objects, and the challenge to the audience. In the latter, the K's bet the audience a standing ovation versus a pie in the face that The Champ could juggle any three objects that the audience could bring up, with certain conditions. Although the stick of margarine and the bag of peanut butter were popular, the audience eventually settled on a fish, a bundle of jumper cables, and a plastic flamingo, thoughtfully provided by Jim "Zippy the Pinhead" Cser. The Champ succeeded, and he got his thunderous applause.

The juggling of the terror objects closed the show. All throughout the show, nine objects were brought onstage and displayed on an ominous easel. The

terror objects included a cleaver, an egg, a pan, a flaming torch, a chunk of dry ice, and a bottle of champagne whose cork was held in place solely by its own friction. It was a spectacular ending.

Of course, the best thing about

the evening was that **Bo Brady** from *Days of Our Lives* was at the show. Although most of those there were too starstruck to do anything but stare and giggle, Buck the Knife got his autograph and will show it to you if you ask real nice.

## Life's little Necessities

**Celtic Music:** Battlefield Band and Stockton's Wing, playing the music of Scotland and Ireland. Beckman Auditorium. Fri. Oct. 11, 8:00 pm. \$12.00, \$10.00 (\$6.00-\$5.50 with ID, \$5.00 rush).

**Musign:** A professional dance company of hearing-impaired performers. This revue is choreographed with sign language, dance, and mime, set to many types of music. Beckman Auditorium. Sat. Oct. 12, 8:00 pm. \$15.00, \$13.00, \$11.00 (\$7.50-\$6.50-\$5.50 with ID, \$5.00 rush).

**Igor Kipnis:** A wonderful classical keyboardist. Harpsichord Center, 2751 West Broadway, Eagle Rock. Sat. Oct. 12, 9:00 pm. \$10. St. Barnabas' Church, 2101 Chickasaw Ave., Eagle Rock. Sun. Oct. 13, 7:00 pm. \$10.

Schrader, Lucas,

Coppola, Glass:

## Mishima

by John Fourkas

Mishima  
Directed by Paul Schrader  
Warner Bros.

From the beginning, it was obvious that *Mishima* would be an event. Few movies can boast of direction by Paul Schrader, production by George Lucas and Francis Ford Coppola, and music by Phillip Glass. Few movies, for that matter, have been prominently banned in Japan. *Mishima*, for better or for worse, can claim all of these things.

*Mishima* is about the Japanese author of the same name: his life, his works, and especially his takeover of a Japanese army post (I don't think I'm giving away too much by telling you this, since it is made clear during the first minute of the movie). The film is divided into four sections: "beauty," "art," "action," and "the pen and the sword." The film attempts to be three (or five) films at one time. Every section tells of Mishima's history (in black and white) and of his takeover plot (in color). In addition, the first three sections each contain one of Mishima's plays, filmed in almost surrealistic Japanese theatre sets.

The complicated structure of this movie, including the complex and sometimes confusing switches between story lines, shows that the catchword of the production was **Technique**. I imagine that the UCLA film school could run a semester-long course on this film. Every scene was painstakingly choreographed and shot, with attention given to the most minute details. Even the music was carefully fitted to every scene (and as one who does not like Phillip Glass, I must admit that the score was appropriate and nice, for the most part).

Now that I've established that *Mishima* is a technical wonder, you're probably wondering how good it is. I think that the best word to describe it is "esoteric." (You may read this as "difficult to comprehend"). The structure of the film does not render the movie too confusing, although more structural clarity would certainly help. I find myself hard put to say whether it is simply the script or my lack of knowledge of the Japanese psyche. At any rate, *Mishima* is tough to get a handle on.

Perhaps the greatest problem with *Mishima* is its inability to give a good explanation for Mishima's final act. This is indeed a major problem, for his final action is the focus of the entire film. Each play carries some important aspect or theme of Mishima's life in a thinly disguised form. The narrative of his life leaps about so much that I must assume that the chosen scenes were supposed to be of a particular significance (although I would have trouble explaining most of what I should have gotten from these scenes).

*Mishima* is still an enjoyable and powerful movie. Fans of technique are certain to have a field day with this film. My only great warning about *Mishima* is to be prepared to leave the cinema feeling a bit unfulfilled. If you do, don't be too embarrassed—you're not alone.

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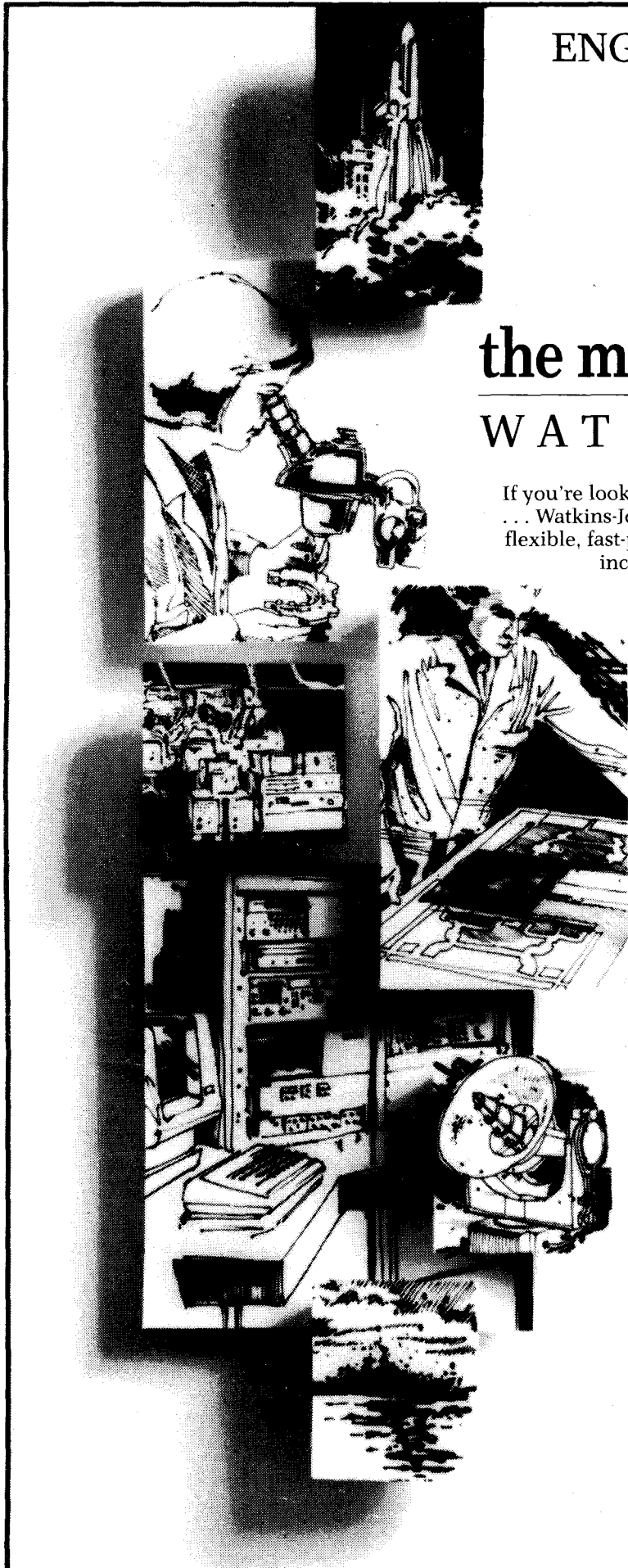
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ON-CAMPUS INTERVIEWS  
Tuesday, October 22

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# The Inside World

**Blacker:** And yea, unto this land was born a new spirit, a spirit of robust brotherhood and unparalleled deeds. And it was good. But man, you ain't seen nothin' yet.

—Cool and the Gang

**Fleming:** First off, congrats to all the new Fleming frosh, and welcome to the thundering herd. I hope everyone is ready for Interhouse and Discobolus. Remember, our first softball game is today against Lloyd, so I want to see every Flem lining the field. Remember, in Fleming, sporting events are also social events (and vice-versa). After we trash Lloyd, let's get out on the weekend and watch the Big Red Machine pin the Boys on our way to yet another Discobolus victory.

Now for a personal note: 8½ would like to invite Warren Goda over any time.

—Al Fansome

**Lloyd:** Fingle stirred uneasily in his mountain hide-away. Frantic images and thoughts flooded his mind—what heresy was this? A false god? He would not allow it! He would speak out in anger, and bring the chosen people back to the true path. Death to the Redskins!

Welcome to Lloyd, frosh and transfers. Hope your stay will be both amusing and educational. Note to your left the hanging gardens, followed by our all-seasons poolside resort.

—J.P.

P.S. The frosh are wimps! (and transfers)!

# GSC Report

by Steve Salyards

At the Graduate Student Council meeting on October 3, the GSC began discussion of a proposed recommendation to the Housing Office on how to allocate the spaces in the graduate dorms and the Catalina apartments in future years. This year there was a waiting list of close to 100 grads for the available spaces. The GSC is discussing whether the waiting list is the best method to use if in the future there are again more requests for housing than there are open spaces.

The proposed recommendation is to give incoming graduate students the first opportunity to live in this housing and then allocate the remaining spaces to continuing students on a lottery basis. The purpose of this is to guarantee housing to new graduate students so if they want it they have a place to stay for their first year and they can then find housing for subsequent years.

Since no action need be taken on this for a few months the issue has been tabled for future discussion and to get comments from the grad student body. We invite and encourage your comments or suggestions on this issue. Contact your GSC representative and let them know so your ideas can be heard when the GSC discusses this again.

Also, the GSC is a sponsor of this Saturday's party—Recompression. Come get the term started with the Kevin Fisher Band at Winnett at 9 pm. We look forward to seeing you there.

# LETTERS

from page 2  
graduate students to attend seminars on the Honor Code. Ah, I can hear the accusations of being self-righteous already. Well, why shouldn't I get mad when somebody takes unfair advantage of me, or of another? It is the unhealthy extreme to which *laissez-faire* ethics have been carried which makes people complacent and apathetic toward negligent practices like the aforementioned.

Human behavior, like human knowledge, is the result of learning. Perhaps it is true that we are by now too old to learn how to behave, although we can still learn physics and math. However, I prefer to believe that heightened awareness of the need for us to treat each other fairly and honorably can help us to achieve these goals (my version of faith in the good aspects of human nature). I don't see why this kind of teaching should be labeled propaganda any more than the other kind, or than the pronouncements of iconoclasts!

Jim Cline  
Physics, x6650

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# ENTERTAINMENT

# Remo Rocks

by David Schultz

**Remo Williams: The Adventure Begins**, which opens today at a theater or drive-in near you, is a fun-filled and delightfully humorous action-adventure flick. The movie chronicles the adventures (well, one adventure, anyway) of Remo Williams and his teacher Chiun, the latest in a millenia-old line of amazingly competent assassins, the Masters of Sinanju.

The movie is based on the "Destroyer" series by Warren Murphy and Richard Sapir, which has sold over 30 million copies and extends to 62 books at last count. Naturally, the movie can (and probably will) be enjoyed without having read any of the books, but Destroyer fans will notice a whole bunch of classic Destroyer humor

throughout the movie.

The movie nominally concerns the adventures of the lightly obnoxious ex-cop Remo Williams as he is trained in the ways of Sinanju (the ultimate martial art, though this is *not* a martial arts movie) and then goes out to stop the bad guy, an evil defense contractor whose products are defective, and who overcharges the government. The action is fast-paced, with a continuous undercurrent of humor, though non-Destroyer fans may find certain parts a little cryptic. What makes the movie so pleasing, however, is Joel Gray's exquisite performance as Chiun, the serene old Korean who is Remo's mentor. If you can imagine a can imagine a cross between the ultimate human being and a stereotypical Jewish mother, you will enjoy seeing it in Chiun, who manages to be both

omnipresent and invariably understated.

One note of caution. Though Major Rayner Fleming, the movie's lead female character (played by Kate Mulgrew) is capable and quite competent, the Master does not view women in the most pleasing light. Be prepared.

I must admit that I am somewhat biased in my wonderful opinion of this movie, since I have read over fifty Destroyer books and am a certifiable nut, but if you liked *Raiders of the Lost Ark* or random action-adventure films, I think you will find this a pleasant way to spend five bucks.

P.S. If you'd like to read a few Destroyer books, contact Charles Budney in Ricketts. They make pleasant and addictive reading, and only take about 1½ hours each.

# RCA/SHARP MICROELECTRONICS

Teamwork ㄉ-ㄥ ㄉ-ㄉ

## CAMPUS INTERVIEWS - OCTOBER 16, 1985

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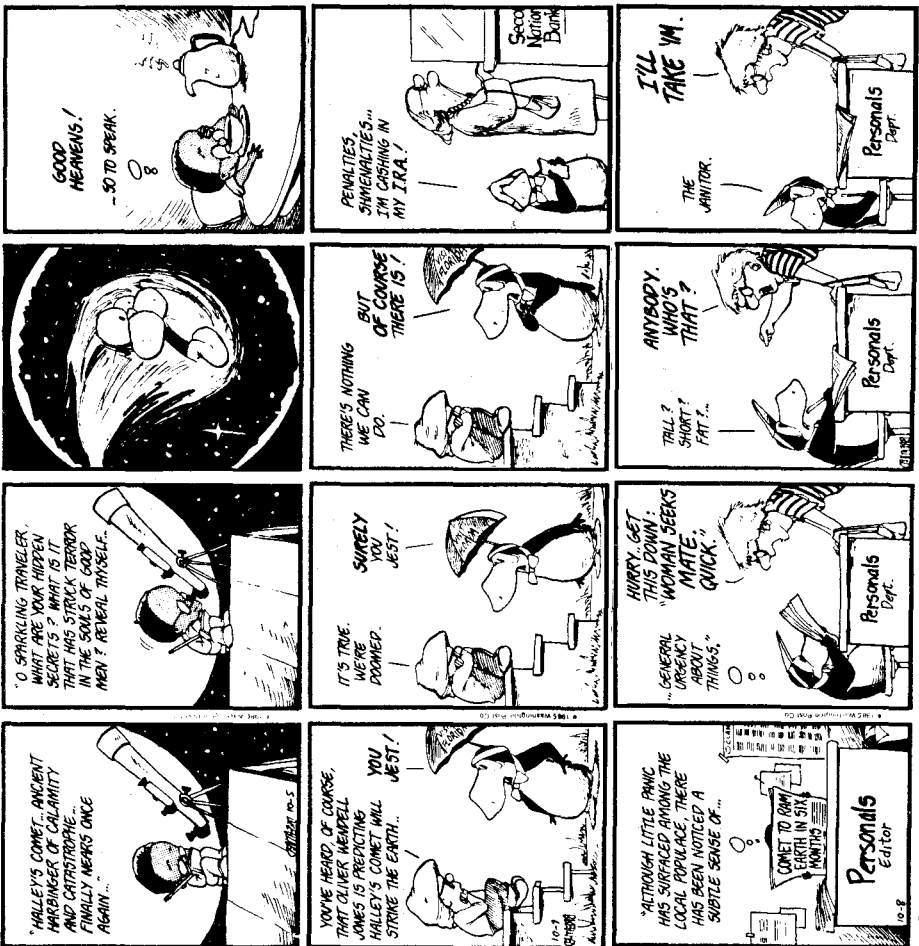
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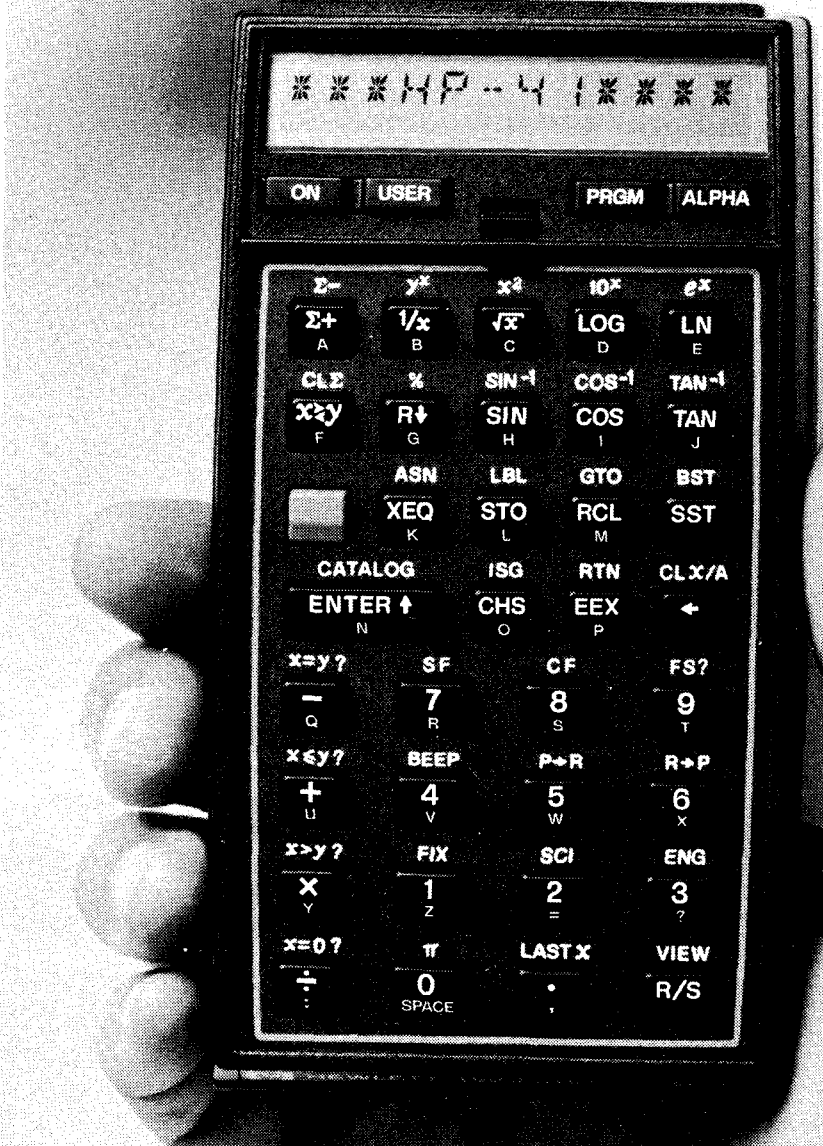
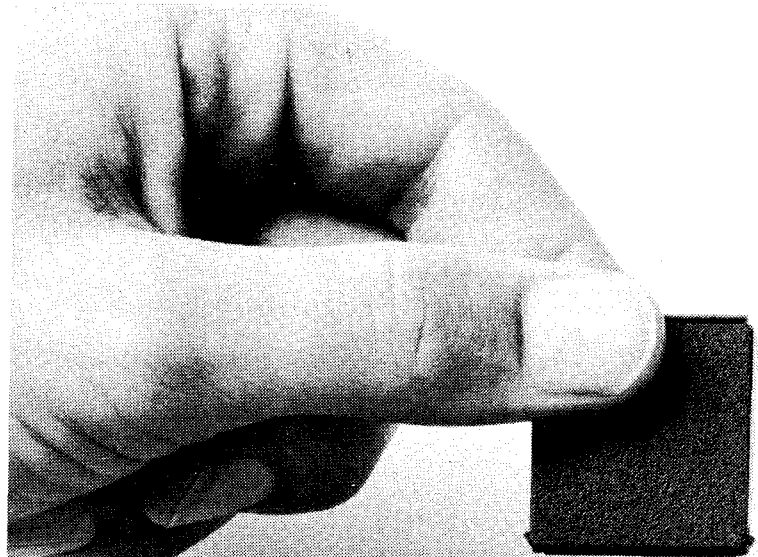
**LITTLE KING**

difficult to type when the Features Editor is biting my neck. No more goddamn "Bob"s. And who's in charge here anyway? Even though I'm not getting any younger, I'm not getting any less energetic!

Thanks! Diana Post



Let's see... Shing isn't all that it's cracked up to be. We appreciate Citizen Kane all the more now.



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## SPORTS

# Polo Whomps PCC, 12-11

by D. Mikasa

Caltech water polo has gone through a great transformation in the last week and a half. After losing a close game to Chaffey, and then the alumni, we came back to defeat P.C.C. on Wednesday.

Last Wednesday, we played Chaffey College here. After sleeping through the first quarter and giving them a 5-1 lead, Caltech came back with a vengeance in a 6-1 second quarter. The next two quarters were a tooth-and-nail battle, with Chaffey finally breaking away with a 3-goal victory, 16-13.

On Saturday, we played the alumni. Going into the game, things did not look good. A young and inexperienced team going up against yesteryear's All-Americans. The Caltech team

came up with a great performance and led at the end of three quarters by one goal. A tenacious defense and well-organized offense had kept us in the game thus far. In the fourth quarter, our inexperience provided a crack in the armor, which the Alumni subsequently destroyed, giving us another loss. All in all though, it was a great improvement in that we played three good quarters.

Then P.C.C. dared to enter the Caltech pool, and almost escaped unscathed. In what was a very tight game, Caltech continued to play tenacious defense and organized offense. Near the middle of the 4th quarter, Boyd Bangerter made a great shot for one of his three goals. This gave us a two-goal lead. With about 45 seconds to go, Vince Ferrante made a great shot to give us a two-goal lead again.

P.C.C. then came back with a quick goal, closing the margin to one. Somehow, they stole the ball and had a one-on-one with six seconds to go. The attacker rared

back, fired, and Fred Ferrante lunged to block the ball. The ball hit his arm and flew back to the 6-yard line. It was a truly spectacular save to preserve a 12-11

victory.

On Saturday, Caltech hosts a tournament with games from 8:30 to 4:30. Come on out and cheer us on!

## Weekly Sports Calendar

Day	Date	Time	Sport	Opponent	Location
Fri.	10-11	2:00 pm	Football	La Verne	La Verne
Fri.	10-11	7:00 pm	Soccer	Occidental	Occidental
Sat.	10-12	8:30 am	Water Polo	Caltech J.V. Tournament	Caltech
Sat.	10-12	9:30 am	Cross Country (M/W)	La Verne, Redlands, Whittier	Whittier
Sat.	10-12	11:00 am	Soccer	Christ College	Christ College
Sat.	10-12	11:00 am	Women's Volleyball	Pacific Christian	Pacific Christian
Tue.	10-15	5:30 pm	Women's Volleyball	Whittier J.V.	Whittier
Wed.	10-16	3:00 pm	Soccer	Pomona-Pitzer	Pomona-Pitzer
Wed.	10-16	4:00 pm	Water Polo	Chapman	Caltech
Sat.	10-19	8:30 am	Water Polo	Caltech Invitational	Caltech
Sat.	10-19	10:00 am	Cross Country (M/W)	Whittier & CS San Bernardino	CS San B'doo
Sat.	10-19	10:00 am	Soccer	La Verne	La Verne
Sat.	10-19	1:30 pm	Football	Orange County Mariners	Caltech
Sat.	10-19	7:30 pm	Women's Volleyball	Christ College	Caltech

## Soccer

by Doug Roberts

After a slow start, the mighty Beaver soccer squad recorded its first victory in a stunning triumph over The Master's College. Alan Kwenties opened the scoring with two quick goals, and the half ended with Caltech up 2-1. This lead was increased to 3-1 on a goal from halfback Konstantin Othmer. But then The Master's College pulled up to 3-3 with a penalty shot and a very lame goal that caught the backfield asleep. The tying goal came with a little over five minutes left in the game. The Caltech squad regrouped, keeping their heads up and showing great poise, and launched an attack full force towards the TMC goal. Doug Roberts took a pass at midfield, and after dangling several defenders, launched a rocket shot from 25 yards out, straight into the far upper corner. This occurred with only two minutes left in the game, and the score stood at 4-3 till the end.

The next game is at Oxy, tonight at 7:00 pm.

## Hockey

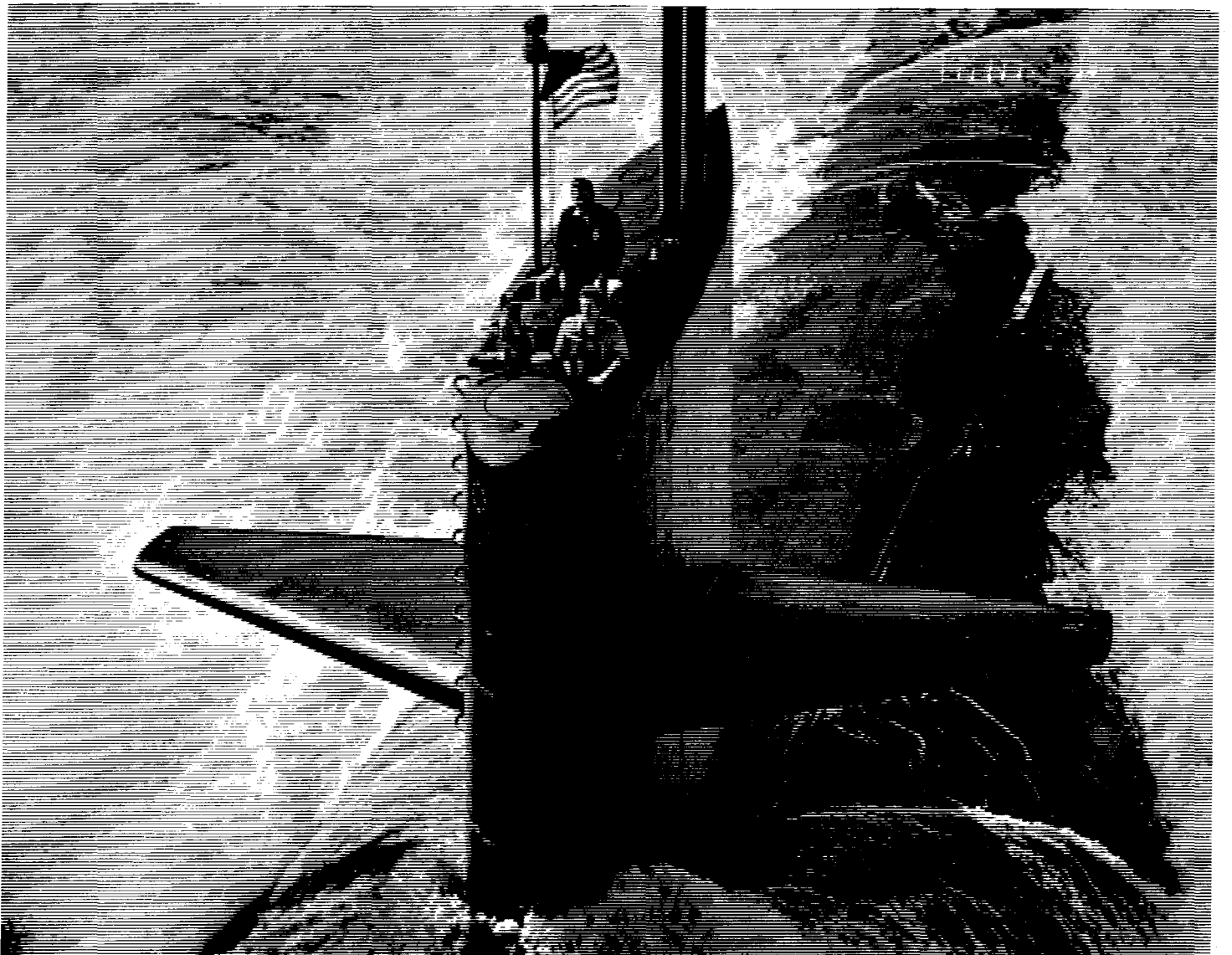
by Marty Zimmerman

The Caltech hockey club, defending SCCHA Division II champions, is preparing for the new season. Practices are at 9:30 pm on Tuesday nights at the Pasadena Ice Rink. All interested members of the Caltech community (Grads, Undergrads, Faculty, Staff, etc.) are invited to come out. Our season starts in early November. For further information, call George Yates, x4105.

## Disco

by Gumby

Page House will raffle Fleming Sunday afternoon for the Discobolus trophy. Fleming currently holds the trophy. The challenge order, decided at Rotation picks, is: Page, Dabney, Lloyd, Ricketts, Blacker, Ruddock.



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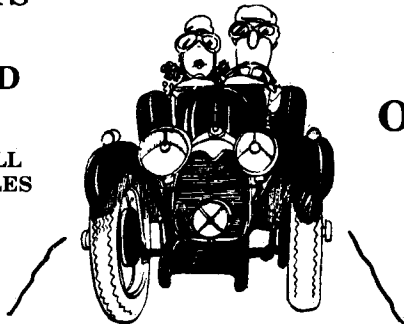
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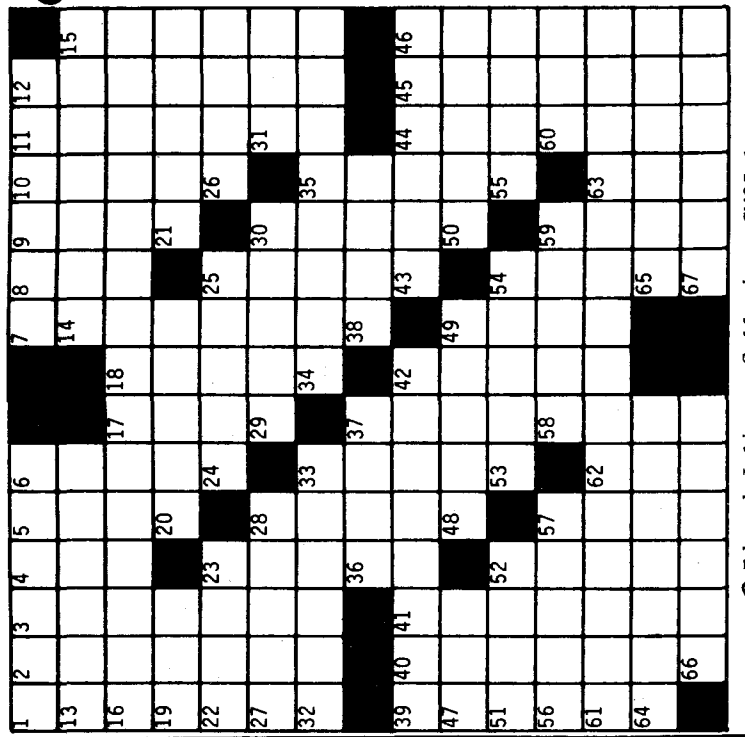
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- ACROSS**
- 1 Neutered
  - 7 Hunting expedition
  - 13 Elaborately decorated
  - 14 Shaded walk
  - 16 Handyman (hypph.)
  - 19 New Zealand
  - 20 Muttonbird
  - 21 These: Sp.
  - 22 Chemical substance
  - 24 Put in fresh soil
  - 26 Satisfy completely
  - 27 Dishwasher cycle
  - 29 Coolidge's VP
  - 31 Part of MPH
  - 32 Type of fisherman
  - 34 Most piquant
  - 36 Make in (tear)
  - 38 Map abbreviations
  - 39 Military rifles
  - 43 Used sodium chloride
  - 47 American Indian
  - 48 on (urged)
  - 50 Irish county
  - 51 Horse disease
  - 53 Frightful giants
- DOWN**
- 1 Brief stay
  - 2 Rolling grassland
  - 3 Antiquated
  - 4 Wild ox of Asia
  - 5 Prep school near London
  - 6 Postpone
  - 7 More yellow or sickly looking
  - 8 Height abbreviation
  - 9 Taxi passenger
  - 10 Collect together
  - 11 Bureaucratic delay
  - 12 Forms thoughts
  - 15 State positively
  - 17 Limited
- 18** South American capital (2 wds.)  
**23** "Take at it"  
**25** LSAT and GMAT  
**28** Heird  
**30** Porterhouse, e.g.  
**33** Starr of music  
**35** Man and Capri  
**37** Famous vocalist (2 wds.)  
**39** Volume  
**40** Those who make amends for  
**41** Attendants to an important person  
**42** Fine line on some letters  
**44** Gave medical care to  
**45** Expungement  
**46** Energetic, hard-working people  
**49** D.E. Indies measure  
**52** Pungs  
**54** Cults  
**57** Assam silkworm  
**59** Organ part  
**62** Bank equipment (abbr.)  
**63** pro nobis

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**FALASHA**

The award-winning film about an ancient Ethiopian people, *Falasha: Exile of the Black Jews of Ethiopia*, will be shown on Tuesday, October 15 at 7:30 pm in Winnett Lounge. Don't miss this extraordinary film that tells the story behind the airlift. Admission free.

**Putnam, '85**

It is time to sign up for this year's Putnam Contest. The contest will be held on Saturday 7 December 1985. Sign up now! Deadline for registration is Monday 14 October.

Sign-up sheets are located in Sloan. Or call the Mathematics Department (x4335 or x4357) and leave your name and campus address. There is no fee. The exam is in two parts: one in the morning; one in the afternoon. It will be given in Baxter. [But where can you take it?—Ed.] More details later.

**Space, The Final Battle**

Colonel Victor W. Whitehead of the U.S. Air Force Space Division in Los Angeles will present a lecture entitled "Our Military in Space" at 7:00 pm on Saturday, October 19, in the Von Karman Auditorium at JPL.

Colonel Whitehead has been a project officer for Mercury and Gemini space vehicles and has served as Headquarters Air Force Manager for all Defense Department space launch systems.

His talk will focus on the current and future military uses of space.

The public is invited; there is no admission charge. The talk is sponsored by OASIS, the Organization for the Advancement of Space Industrialization and Settlement, a non-profit educational group which promotes space development. For more information, call F. Wiley Livermont at (818) 700-8382.

**Enjoy Shabbat**

Celebrate Shabbat with the Caltech and CSLA Hillels tonight, Oct. 11, at 6:45 pm in the Y Lounge. There will be a service followed by a potluck dairy/veggie dinner. Everyone is welcome. Questions? Contact Myra Baxter, x6163.

**Watson Fellowships**

Essays for the Watson Fellowships are due on Friday, October 21. Seniors interested in applying for these travel fellowships should talk to Gary Lorden or Jean Noda, Associate Dean, in the Deans' Office, 102 Parsons-Gates.

**Amnesty International**

The Pasadena chapter of this world-wide human rights organization meets next on Wednesday, Oct. 16 at 7:00 pm in the Y Lounge. New members welcome. For further information, contact Irena at 351-8731.

**Software Scholarship**

A scholarship for up to \$5,000 for students enrolled in a computer science or computer technology program is being offered by International Computer Programs, Inc. of Indianapolis, Indiana.

To qualify for the 1986-87 scholarship, a student must be a full-time sophomore or junior who is maintaining a "B" grade point average and who has financial need.

Selection of the scholarship finalists will be based on the student's grades in his/her field of study as well as in electives, financial need, participation in data processing-related activities, school activities and leadership roles.

The finalists will then be asked to write a software-related essay which will be judged by a committee of data processing professionals. ICP will announce the winner in early April, 1986.

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# WHAT GOES ON

**Material for What Goes On must be submitted typed on or with an Announcement Form, available at the offices of The California Tech, by the Tuesday preceding the Friday of publication.**

## Kannst Du Deutsch?

Students, faculty and staff who speak German (or who are learning to) are invited to join a German lunch group. The group meets every Thursday at the Athenaeum for lunch and pleasant, informal conversation in German. All levels of fluency are welcome. Please call Susan Larson, x4818, if you would like to be included in the lunch reservation.

## Real Directing Genius

The Organization for Women at Caltech (OWC) is sponsoring the first Brown Bag of the new academic year. OWC's guest will be Martha Coolidge, director of *Real Genius* (a movie based on Caltech undergraduate life). Ms Coolidge will be speaking on "A Woman Breaking Into a Man's Field." Questions are encouraged (even about the movie). The event will take place at noon on Tuesday, October 22 in Winnett Lounge.

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## Open Softball Game

Everyone, amateurs to experts, is invited to a pick-up softball game this Sunday, October 13, from 2-5 pm on Caltech's north field. We will go into town for refreshments afterwards. Sponsored by Hillel.

## Bloody Forum

The Caltech-MIT Enterprise Forum opens its fall season Tuesday, October 15 at 7 pm in Baxter Hall. David Long, M.D., President of Fluoromed Pharmaceuticals, El Cajon, will present his business plan to a panel of technical, financial, and marketing experts who will analyze the business plan. The Forum will then be open to the audience for questions.

Fluoromed is developing liquid fluorocarbons for blood diagnostics and artificial-blood transfusions. The fluorocarbons are said to be preferentially absorbed by tumors and to enhance NMR, X-ray and ultrasound images with high persistence and millimeter-resolution. The company is raising \$4 million for clinical trials on humans.

The Forums will continue on the third Tuesday of each month, beginning in October. The Forum is co-sponsored by Caltech's Industrial Relations Center and the MIT Alumni Association.

For further information, please call Margaret Brennan (818) 356-3916. The Forum is free to Caltech students with ID.

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## Watson Fellow Speaks

Don Fossgreen, the 1984-85 Watson Fellow, who has just returned from a year in Paris, will be in the Deans' Office at 5:00 pm on Monday, October 14th. Please come and have all your questions answered about the Watson application process.

## Numismatic Auction

Bargains galore will be available at the Caltech/JPL Numismatic Society auction on Wednesday, October 16. Members and visitors should be prepared to engage in some spirited bidding on the choice coins offered.

Drawings for door prizes will be included in the activities and refreshments will be available. The club meets the third Wednesday of each month at 7:30 pm in the Church Laboratory building on campus. All Caltech/JPL students, staff members, and their families are most welcome to attend.

## Vocal Workshop

TACIT is sponsoring a workshop in the Linkletter Method, taught by John Walcutt, vocal coach for the Odyssey Theatre Ensemble, on October 15 at 7:30 pm in the Millikan Board Room. Wear comfortable clothes and bring a tape recorder.

## Women's Basketball

Women interested in playing basketball—please come to the weight room next to the track on Sunday morning, October 13, at 10 am. Wear white, solid tennis shoes. For information, call Astrid, (818) 792-0532 mornings.

## Polish Theatre

TACIT is sponsoring a Polish Theatre Workshop with Leonidas Ossetynski on Wednesday, Oct. 16 at 7:00 pm in the Millikan Board Room. Wear comfortable clothes and don't eat for two hours beforehand.

## Russian Needed

The Caltech/JPL Russian Language Workshop, which meets each Wednesday evening in Steele lab, seeks a native speaker of Russian to serve as language advisor on a volunteer basis. No teaching experience or special knowledge of English is essential. Excellent opportunity for a recent emigré or other interested native speaker to learn English through a mutual exchange of language skills. For more information, call Larry Mak (JPL) 354-6748.

## Women's Club

The Caltech Women's Club, whose membership includes women affiliated with JPL, Huntington Library and Art Gallery, and Mt. Wilson and Las Campanas Observatories as well as Caltech, will hold its first meeting of the year on Thursday, Oct. 17 from 11 am to 1 pm in the garden at the home of Caltech President Dr. Marvin and Mrs. Goldberger at 415 South Hill Avenue.

Incoming club president Romy Wyllie will welcome newcomers and returning members to an exhibition of painting, sculpture, design, pottery, enamelling, and photography, as well as displays and information on club activities.

## How SWEet It Is

This year's first meeting of the Society of Women Engineers (SWE) will be Monday evening (October 14) at 7:30 pm in the Y Lounge. This will be an informal meeting with *Marie Calandar pies to eat!* A member of the L.A. section of SWE will be at the meeting to talk about the role of SWE in both student and professional life. For further information, contact Yvette Madrid at x6188.

## United Nations Day

A free lunch at the Athenaeum and a talk by onetime United States ambassador Nathaniel Davis are being offered to Caltech students by the Pasadena United Nations Association.

United Nations Day will be observed on campus on Saturday, October 26, from 11:30 to 2 pm. Dr. Davis, a U.S. diplomat who served in the U.S.S.R., Chile, Guatemala and Switzerland, and now teaches humanities at Harvey Mudd College in Claremont, will give the principal address.

Dr. Davis' topic will be "Directions in U.S. Foreign Policy."

To encourage undergraduate and graduate students to participate in the 40th anniversary of the United Nations, the Pasadena chapter of the UNA invites students to be its guests at lunch. Students who wish to attend must register in advance at the office of The Caltech Y in Winnett Student Center.

The Caltech Y is co-sponsor of the program.

## Y Backpack Slide Show

See pictures taken on the Y pre-college hike in the Sierras. The show is Monday, October 14 at 7:30 pm in 210 Baxter. If you took pictures on the trip (slides or prints), please bring and show them. For more info, contact Matthias Blume or Peter Ashcroft Blacker Hus. ([sic] you too.)

## Recompression

All of the campus is invited to the Recompression Party this Saturday at 9:00 pm in Winnett. Come and relax before it's too late. Sponsored by the GSC, the Deans and the Y.

## Cardio Course

A cardiopulmonary resuscitation course will be conducted under the auspices of the American Red Cross for Caltech personnel. Two four-hour sessions are scheduled: Wednesday, October 16, and Wednesday, October 23, both from 1-5 pm. An American Red Cross instructor will provide instruction. CPR books and registration are available at the safety office, Keith Spalding Bldg., room 25, for \$4.00. Participants who have the 1980 edition CPR book may call the Caltech safety office, x6727, for registration and class location. A test on the information in the CPR book will be given at the start of the first session. An American Red Cross certification will be awarded upon completion of the eight hour training.

## Student Shop Meeting

The Student Shop will hold its organizational meeting Saturday, October 12, at 1 pm in the basement of Winnett Student Center. The Student Shop offers facilities for woodworking, metalworking, and welding. Annual membership is 15 dollars (and a \$10 key deposit).

## Wanted: Tech Editor

Nominations for the spot opened yesterday and close next Thursday at 5pm sharp. Statements will be accepted at the Tech office until that time. To nominate yourself, send a note to Lisa Cummings, ASCIT Secretary, care of the Deans' Office; a list of nominees will be posted at the MOSH's office. Elections will be held Monday 21 October, with a runoff on Friday the 25th (if necessary).

## Read All About It

There will be a meeting of the staff of *The California Tech* today at 12:15pm in room 127 Baxter. (This is also known as the class PA 15.) Feel free to stop by if you're interested in working on the *Tech*. (That is: BE THERE OR BE SQUARE!)

*More announcements on Page 7!*

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