

## SURF's Up 1992

*Jill Bush*

Summer Undergraduate Research Fellowships, better known as SURFs, were recently awarded to 156 Caltech undergraduates. The recipients come from an applicant pool of approximately 250. The SURF application requires a short proposal written by the student for a ten-week project in any field. A recommendation must be written by the student's research sponsor, along with three other references including at least two faculty members.

According to Carolyn Merkel, the Director of the SURF program, each application is given a rating 1 through 4 by the SURF committee. With 1 being the highest, the applications are rated according to the relevance of the project, and the enthusiasm of both the student and the research sponsor. Ms. Merkel says very few (less than 20 in 1992) applications are rated "four" and

subsequently denied the award. Eventually the SURF committee must make its decision based on available funds.

Funding is provided through faculty grants; private individuals, foundations, and corporations; and public means such as the National Science Foundation. All private donations are reserved strictly for Caltech students, while the public funds may be designated specifically for non-Caltech SURFs. All SURFs done at JPL are completely funded by the sponsor, while of the SURFs done on campus in 1991 the sponsors paid an average of 43% of the students' stipends.

In addition to ten weeks of intense research, SURFs are given many other opportunities to expand their horizons. Weekly seminars are held at Caltech and at JPL in which faculty and staff members share their research experiences with the SURF students. A series

*continued on page 2*

## Summer Housing Available for SURF, Summer Students

*Christopher Dunn*

Despite the North House renovations, there will be enough housing for SURFs and summer students, according to Kim West, Director of Residence Life.

More than 500 spaces could be available. No large increase above the 391 housing contracts last summer is forecast. Because so many vacancies are expected, South House denizens might close down some of the warmest alleys for the summer.

All off-campus housing will be open, and all school-year doubles will be summer doubles. Students in the summer programs will reside in unaffiliated housing, not the South Houses. Whether continuing students who are affiliated with South Houses will be granted squatters' or settlers' rights has yet to be decided.

The primary rights of settlers, who reside in their fall rooms during the summer, and the secondary rights of squatters, who retain their spring rooms through the summer, will probably be granted at least in unaffiliated housing, says West.

Of the 364 affiliated units, 285 are in the South Houses. The rest are distributed, in the summer and next year, as follows:

Units	House
13	Blacker
8	Fleming
16	Dabney
9	Ricketts
11	Ruddock
10	Page
12	Lloyd

Recently, 4 units in 222 S. Chester were given to Blacker, 8 units in 232 and 234 S. Chester to Lloyd, and 9 units in 285 S. Holliston (formerly an all-female house) to Ruddock.

*continued on page 2*

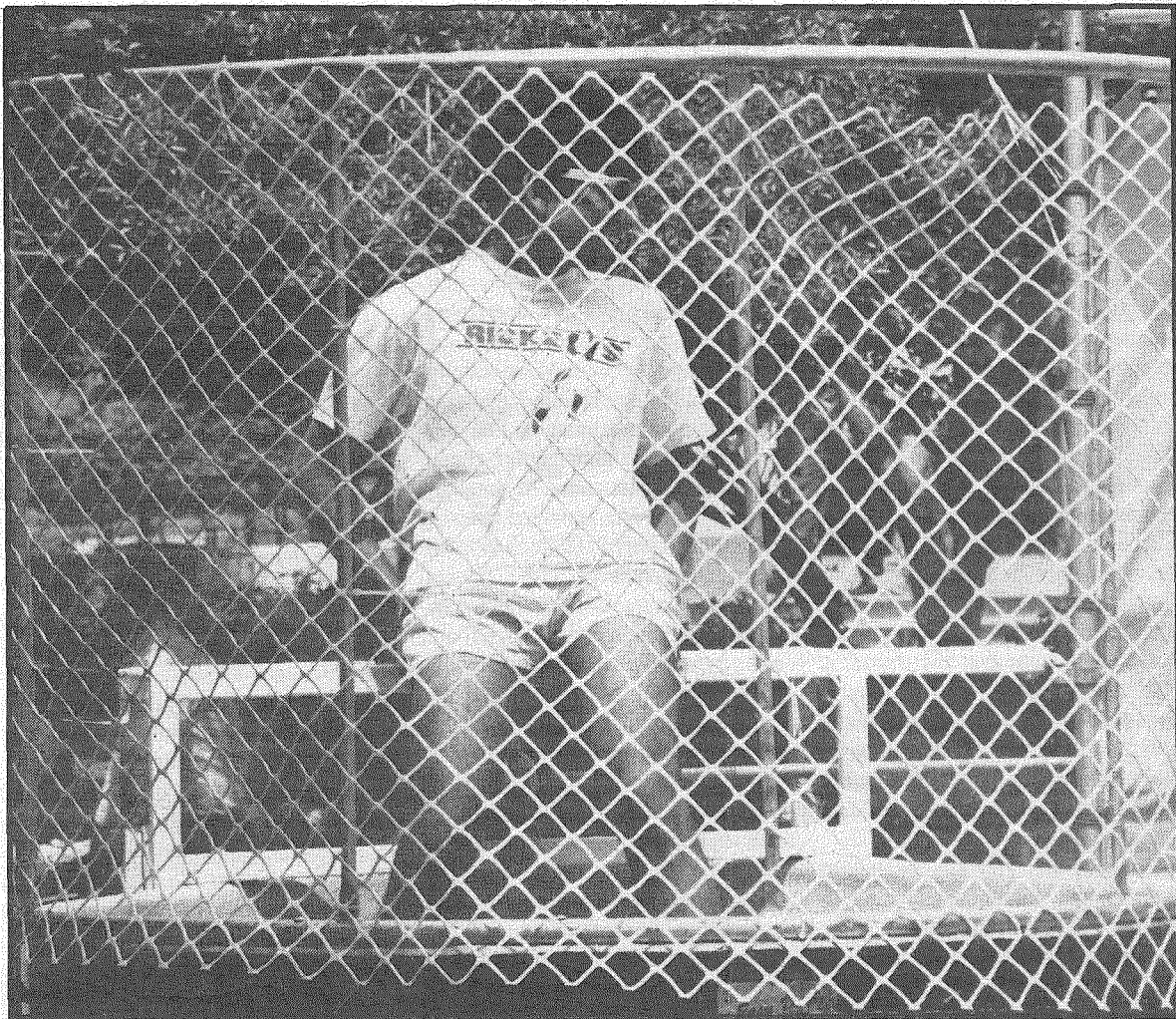


Photo by Rajan Ranga.

ASCIT President Amitabh Mehra smiles before being dunked at last Friday's Earth Day Celebration. Others who braved the dunking booth included Dean of Students Chris Brennen, IHC Chair Ben Smith, and Caltech Y Executive Director Lucy Guernsey.

## Caltech's Earth Day Celebration Successful

*Lieven Leroy*

Caltech's Earth Day celebration, held last Friday, proved to be a great success. Organizers at the Y feel it will probably become an annual event.

It is estimated over a thousand people attended Earth Day, which began at noon on Friday, April 17th with a speech by President Everhart. He spoke highly of the steps Caltech had taken to preserve the environment. Much of Caltech's involvement in these issues has been due to pressure from the campus community, he said. Dr. Everhart also named the head of a new Environmental Study Committee: Dr. James Morgan. He announced that the rest of the committee members will be named within two weeks. While at the celebration, Dr. Everhart planted a tree north of Winnett Student Center, a symbol of the issues the day represented.

After Dr. Everhart's remarks, the platform in front of Winnett Center was occupied by Jim Bower and his band, who played for the rest of the event. Several on and off campus groups involved with the environment set up booths in the vicinity. A

number of off campus organizations had promised to have exhibits but did not attend.

Volunteers, including the band and those running games, kept the event running throughout the afternoon. Games included a dunking booth, a newspaper toss, and timed can crushing. There was a fact sheet about the material involved with each game (water, paper, and aluminum cans, respectively). Many campus leaders volunteered for the dunking booth, which proved to be a great deal of fun for all involved. At a cost of two aluminum cans, people could attempt to dunk prominent members of the community such as Dean of Students Chris Brennen, the Y's Executive Director Lucy Guernsey, IHC chairman Ben Smith, and ASCIT President Amitabh Mehra. As the first victim, Dr. Brennen set the lighthearted mood of the event by appearing in a full suit. Removing one article of clothing each time he was dunked, he revealed a T-shirt which declared 'If found, please return to Caltech.'

The most popular prizes were the Earth Day T-shirts, T-shirts from earlier events with a large red 'Re-

cycled' logo. A large number of mugs were also given out. The Earth Day mugs will also be on sale at on campus restaurants. The Red Door Cafe, Chandler Dining Hall, and the Coffeehouse are all offering reduced prices on drinks for anyone using the mugs instead of disposable cups.

The success of Earth Day was due largely to the donation of time and materials by many groups on campus. Large numbers of volunteers kept the event running smoothly and cleaned up afterwards. Total Food Management put in a great deal of effort providing a cake for the event, also donating mugs and running a concessions stand. The tree which was planted was donated by Physical Plant. The entire event was, of course, very 'environmentally correct'—announcements for the day had been on brown paper bags, and no disposable forks or plates were provided with the cake, only napkins.

Due to the popularity of the event and the important issues it highlights, the Caltech Y is already making plans for next year's Earth Day.

## ASCIT Announcement

Signups for ASCIT Appointed Offices have been up on the wall since Wednesday, April 1. The signups for the positions are still up.

- Big T Business Manager
- Big T Editor
- Little t Business Manager
- Little t Editor
- Publications Darkroom Chairman
- Coffeehouse Users Group Representatives

### Inside this week's

## THE TECH

Letters to the Editor	2
Crime & Incident Beat	2
IHC Minutes	3
ASCIT Minutes	3
Caltech Bedrace	4
Theater Preview	4
Bridge Without Sam	6
Sports	7
Y News	7
What Goes On	8

## Bridge Without Sam

page 6

## SKINNY PUPPY

### INTERVIEW

page 6

## A Letter From the ASCIT President

page 2

## LETTERS

## AVR Survey Support

Letter to the editor:

We think the recent recommendations that students boycott the Caltech transportation survey are ill-advised and counter-productive.

The likely outcome of such a boycott, should Caltech fall below the average vehicle ridership (AVR) level required by the South Coast Air Quality Management District, would be a range of parking restrictions that would really hurt students. In particular, the number of parking spaces would be reduced, and parking permits would probably be sold instead of given away free. At every other university we know of, students are always at the margin of parking allocation decisions, and we expect that students would be the only ones to suffer if parking restrictions are required. Parking is a huge hassle at most other universities, and we are fortunate at Caltech that parking is comparatively easy. We don't think the transportation survey is the appropriate forum for a debate on whether we, as students, are employees or not.

Further, we reject the notion that Caltech has not done anything to reduce vehicle emissions. The Catalina apartments were deliberately sited near campus on valuable land (instead of further north in Pasadena where land is cheaper) to make it possible for students to reach their offices by walking instead of driving. An informal survey of the

student vehicles parked near the Catalina apartments indicates that we tend to drive older vehicles, and the student fleet includes a higher proportion of old "junkers" than the Caltech population at large. Given recent studies in the Los Angeles area and elsewhere that indicate that the worst 10% of the vehicles (the oldest ones without catalytic converters, and others that are poorly maintained) contribute over half of the total mobile source emissions, Caltech deserves additional credit for reducing commuting by "junkers". Further emissions reductions should be credited because Caltech has provided some covered parking. Cars parked outdoors in full sunlight can have much higher evaporative emission rates of gasoline vapors. Further covered parking areas are planned. Caltech also has a program that provides special parking spaces and logistical support for those who want to rideshare, although this program is still modest in scope.

A boycott of the transportation survey and adverse decisions by the South Coast District will restrict Caltech's options for future action, and will end up hurting students most. We plan to fill out and return the transportation survey, and we urge others to do the same.

Rob Harley and Annmarie Elderling  
Air Pollution Group  
Environmental Engineering  
Science

The Housing Office projects a price increase of 4.5% for the summer and 9% for the fall. Daily fall board rates may be increased between 45 and 75 cents. As usual — and this year by necessity — there will be no board meals over the summer.

Summer housing request forms will be due on May 20. The summer lottery for continuing students will be May 27.

## From the Desk of the ASCIT President

Amitabh Mehra

This is the first of what I hope to be a continuing series of letters from the ASCIT president. This particular letter was prompted by a joint meeting of the IHC and the ASCIT officers with the Deans, the DRL, and the MOSH, at which several issues facing the campus were raised, including C house, house RA selections, the proposed Women's Center, and other topics. The main purpose of this series is not to keep you all informed of the goings-on of your student government, which is taken care of in the minutes, but to provide more of an overall view of where ASCIT is headed and to initiate debate and discussion of important topics pertaining to the undergraduates as a whole.

I feel that in the past ASCIT has been underutilized by the students body, and so many students have forgotten the importance of student self-government. Instead of using ASCIT or some other viable method of furthering the common goals of students on campus, people have turned to complaining, which achieves nothing. Therefore I hope to remind people that ASCIT is active and powerful as our student government.

One of the strongest points of student government is that it can serve as the vehicle for trying to make changes on campus. If something needed to be done which was fairly sensitive or controversial, many people would be unwilling to stake their reputations and names on what would be an otherwise noble or just cause. However if ASCIT, instead of the individual, acts as the impetus for investigation and change, any backlash against the action must go against the entire student population instead of an individual or a group. It is much easier to subjugate a minority of students than the entire student body, represented by ASCIT.

This brings us to the purpose of this letter. Many students on this campus feel frustrated at the administration and at several key decisions they are making, seemingly without the input of the student body. The present ASCIT BOD is honestly trying to bring student self-government back to Caltech by showing the administration that ASCIT works and is effective in dealing with the problems of students. We are willing and actually eager to handle difficult and challenging problems faced by the student body. The ASCIT BOD is simply requesting that the students realize that they are the ones who have elected us, and that before they give up on any venture, no matter how daunting, they should come to ASCIT for support in bringing the student body together behind an issue. Therefore, we encourage all of you to air your concerns and ideas with the ASCIT BOD, which meets on Tuesday nights at 10:30 p.m. in the Winnett Student Center.

continued from page 1

## Housing

Arrangements for summer storage have not been made yet, but West has agreed that Caltech will pay for commercial storage if necessary. The North House trunk room will store furniture during the renovations. Rooms in the SAC might be available.

**The Tech meets every Friday at 12:15 p.m. in the Coffeehouse.**  
**Send E-mail submissions to**  
**editors@tech.caltech.edu**

continued from page 1

## SURF

entitled "Can You Do Research For A Living?" covers subjects like applying to graduate schools, research fraud, and research funding. There are Communications Workshops to help students prepare for their final presentations on SURF Seminar Day in October, and cultural and social events sponsored by the Caltech Y.

SURFers have the opportunity to gain much recognition and prestige through their involvement with the SURF program. The Caltech Public Relations office sends an article about the SURF program to each student's hometown newspapers. The article includes the student's name, his/her sponsor's name, and the title of the project. A few SURF students also have the chance to attend the National Conference in Undergraduate Research held each March at a different university in the United States. Finally, over 20% of SURF students each year become coauthors of published scientific papers.

## Jim's Journal

I saw Tony and Jill again Today.



## THE CALIFORNIA TECH

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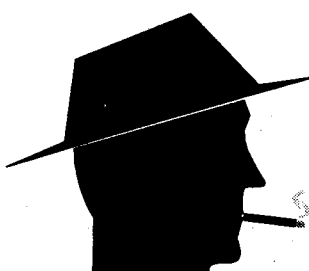
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## Crime &amp; Incident Beat

Rajan Ranga



4/1 The victim locked his bicycle to a fence between Sloan and Bridge from 3 PM to 10 PM. During this time, someone attempted to cut the cable but failed.

4/13 At 4:10 PM, a suspect was importuning money from people who were attending an event in Dabney hall.

The suspect appeared to be under the influence of alcohol. Security came in and advised her that she was trespassing and could be arrested if she continued to solicit money.

4/15 The victim's office was painted, during his absence, between 4/8 and 4/15. When he returned, he discovered that a lithograph and a painting were missing. When questioned, the painters stated that there weren't any paintings in the room when they painted it. Transportation stated that they did not remove any paintings from the office. Value: \$2550

Total value: \$2,550

## FRIDAY NIGHT ASCIT MOVIE



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# S.I.F. Pays Off For Clubs

Brooke P. Anderson

Yes, that's right. I'm talking moola here — greenbacks, sawbucks, COLD HARD CASH — and you might be able to get your sweaty little hands on some of it if you act now. You see, it's that time of year again when the Caltech Student Investment Fund (the SIF) plays the role of Robin Hood. For the past year, we, the SIF members, have been working hard at managing a portfolio of stocks, bonds, and options. We've bought low and sold high. We've taken advantage of opportunities missed by less savvy investors. We've outmaneuvered the market. We've so adeptly snatched profits from under the noses of lumbering investment banks that they aren't even aware we've done it. Now it's time for us to redistribute some of that incredible wealth to the bottom of the economic food chain: the Caltech student community.

So, how does this work exactly? Well, the SIF is not going to give money DIRECTLY to students —

that would be too unseemly and base. However, the SIF WILL give money to Caltech clubs and organizations. If you are a member of a Caltech club and your club would like to purchase something (it has to be a durable item, like electronic equipment or juggling pins as opposed to air fare to Las Vegas), submit a funding request to the SIF. Forms are available from Tal Schwartz (Page house room 217, 578-9755, mailbox 583, tal@tybalt.caltech.edu) or from the SIF mailbox 142-58 (in the Student Activities Center). Fill one out and submit it by 5 PM Tuesday, May 12, 1992.

Sometime in May, the members of the SIF will ponder the merits of each application, taking into account potential cosmic significance. Then, various members will pontificate. Finally, the SIF will reach a decision and hand out up to \$4000 total. This money will be divided up and dispersed to the clubs whose proposals were deemed most worthy. Note: unlike accepted practice in the US government and the military-in-

dustrial complex, bribes and promises of kickbacks are not necessary components of the application process.

Now, if, after reading this far, you have become intrigued by the occasional glimpse into the operation of the SIF, if you have been saying, "You know, Gladys, I sure would like to learn how to fleece all those big, bloated financial companies and skim profits from the stock market until I'm fabulously wealthy," then you should attend a SIF meeting. We meet every Tuesday night at 5 PM in club room 2 on the second floor of the Winnett Student Center. If you get nothing else from the meeting, you will at least get free pizza. (Well, OK, free pizza and heartburn.) Also, on the second Tuesday of every month during leap years, you can witness Chris Assad performing dramatic readings of passages from LIAR'S POKER. Free pizza, dramatic readings, and insight into the process of gathering LIMITLESS WEALTH AND POWER — how can you pass that up?

# IHC Minutes 4/16/92

Karen Ross

Present: Joanna (Ri), Alf (Da), Rich (Fi), Kate (Bi), Ed (Ru), Rob (Li), Paquito (Pa), Ben (Our Fearless Leader), Kim West (DRL), Cedric Hobbs, Ed Goins, Bryce Elliot, Lanny Boswell, and me.

The meeting began at 9:00pm.

Ed Goins and Cedric Hobbs came to discuss the possibility of an off-campus minority house. The house would be open to anyone who wanted to live there, but would be a place where minority cultures could be expressed. Ed and Cedric spoke to black, Hispanic, and Native American students and found 10-15 who would be interested in living in such an environment. They feel it is necessary because many minority students suffer from culture shock when they come to Caltech. Other universities, including MIT, have visible, active minority communities that attract minority students who might otherwise come to Caltech. Kim will talk to Ed, Cedric, and Eddie Grado to follow up on this issue. The IHC will also discuss it further.

Cedric left at 9:25pm.

During prefrush weekend, there was a party with alcohol at an off-campus house. The people involved spoke to Ben about it the day before and prefrush were explicitly not invited. Two prefrush were brought to the house before the party started, but they left soon after and were not served alcohol. The IHC did not feel that there was any violation of the rules and did not want to make any additions to the rules dealing specifically with off-campus events. However, it was pointed out that off-campus affiliated alleys are bound by the prefrush weekend rules.

Kim suggested that the list of rotation rules mailed to the incoming frosh be reviewed and possibly revised. The list has not been changed since 1987.

Presidents were told to encourage people to sign up for ASCIT offices and the ASCIT formal. So

far, interest in both has been abysmally low.

Presidents took surveys in their houses to see what interest there was in a campus run phone system in the student houses. Currently, 25 Rudds, 30-35 Pageboys, 12 Scurves, and 6 Lloydies have PacBell phones. Of 25 people in Lloyd who expressed interest in having a phone, 17 would be willing to pay as much as \$40 to get it.

The Oxy sorority cleaned up Ruddock House. There is still writing on the wall in Fleming. Sorority members will be given another chance to take care of any remaining damages. If they do not, Oxy will be billed for any work that needs to be done.

The pet policy and summer housing will be discussed next week. The meeting to decide how many frosh will be assigned to each House will be Tuesday, May 5.

The results of the housing survey were presented. Kim does not have any objection to students living on-campus for more than four years, as long as they are making satisfactory progress toward graduation.

According to Caltech's construction plans, the houses on the east side of Holliston (270, 280, and 290) will be moved in the summer of 1993. Those on the west side (275, 285, and 327) will not be moved for at least two years.

Discobolus: Fleming beat Lloyd in basketball. There is no challenge this week due to Easter.

The meeting ended at midnight.

# ASCIT Minutes, 4/21/92

Korhan Gürkan

Present are the BOD, Bryce, Eric Stout, Fru, Eddie Murakami, Sam Webb, Scot Fagerland, William Glenn, Phil Cofield, and Gavin Claypool.

Appointed Offices: Signups for Election Chairman, California Tech Business Manager, and Totem editor are closed. The interviews for these offices will be next Tuesday right after the BOD meeting. Signups for the rest of the offices are still open.

The ASCIT Formal is on May 8, 1992. Signups are going down this Friday. If you miss the signups then you need to find Derek. The band is the same as last year. Derek gets \$200 deposit for the band.

ASCIT van: Student Affairs finally approves the loan. The \$10.5 K loan will be repaid in three years. Eric Stout will order the van this week and the van should be here before the school year ends.

Men's Glee Club: Scot presents a budget proposal for the Men's Glee Club. The BOD approves to give them \$400 (5-0-2).

William Glenn picks up \$50 for Tang Soo Do Club. Eddie gets the term checks for DEF and Earthsurfers and Phil picks up the check for Chess Club.

Ben insists on getting a phone. The BOD approves (5-0-2) so now Ben has an extension phone.

Ricketts gets \$200 for Blacker-Dabney-Ricketts Party (BDR).

ASCIT Movies: Fru is back

(again). The ASCIT Movies people are not happy with the amount they were budgeted for. Fru wants us to reconsider their proposal. He says that if the money they receive is not enough then they have four options: cut down the number of movies, cut down the quality of the movies, go on strike (!), or raise the price. The BOD then has another one of its weekly encounters with Fru. It is about to become really dramatic, but Fru leaves.

The BOD has another heated discussion after Fru leaves. Finally there is a motion to give the ASCIT Movies \$8300 on the condition that they keep weekly financial reports and submit these to the BOD twice a term. The motion carries after Amit breaks the tie (4-2-2).



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# Caltech's First Bedrace

Mike Benedetti

Blacker House defeated all opponents in the first annual Caltech Bed Races, held this past Sunday at the Court of Man. The team lost only one of its six races in the two-hour, triple elimination tournament.

House. The FIPI bed lost its wheels halfway through the race, allowing the Darbs to carry their bed to an easy victory.

Round two featured two spur-of-the-moment teams: Yun "Buttman" Kim's "Buttteam (tm)" on a large, metal hay wagon, and the team from

judges started handicapping Blacker at this point. In their rematch vs. EN, the Moles had to go backwards. When they were about a third of the way down the Court, three unidentified figures began strafing them with water and foam projectiles. They proceeded to swerve into a hay bale, allowing Dabney to win.

The Buttteam (tm) and FIPI met next. A loss for either team meant elimination from the tournament. The Buttbed started out strong, but then slowed down to a walking pace. As this reporter fired arrows from the Nerf Buttbow, Alex Zeyliger played "The Swan" on his clarinet. The Buttbed crossed the Court of Man, continuing in the other lane. Needless to say, Team:FIPI had finished long ago.

FIPI was soon eliminated by Blacker, and so it was the Moles vs. the Darbs for the Championship. Einsturzende Neubaten was given a five yard lead, but even then they were unable to defeat Blacker and their food cart.

After the race, many participants were exhausted. "I don't even remember who half the people on my team were," Becky Green said after the event. "Why don't you ask Momo?" Anyone who would suggest Momo as a reliable witness is surely not well.

Already, plans are being made for the future. "See, we can get a huge flywheel going, and then we can engage a clutch, and BOOM!" Dream on, my friends, dream dreams of aluminum brazing rods.



Team FIPI gets off to a start at the Bedraces last Saturday. Photo by Rajan Ranga.

Only two teams showed up at racetime, so the judges encouraged bystanders to make their own impromptu racing beds. Within an hour, the number of teams had doubled to four, and the races began.

The first matchup saw "Uncle" Jesse McReynold's "Einsturzende Neubaten", representing Dabney House, versus Jon "Stu" Weinstein's "Team: FIPI (Friendly Interhouse Public Ivents)", representing the Beckman Centennial

Blacker on a pushcart. The Moles won the race, but the Buttteam won the hearts of the audience. Unable to stop their massive vehicle at the finish line, they were forced to steer it off into the grass, scaring the hell out of its riders.

Finally, Team:FIPI was ready to go. Using only their front wheels, racing wheel barrow-style, they crashed into a hay bale, giving Blacker the win. This was followed by a Buttteam (tm) loss to EN.

For some arbitrary reason, the

## Theater Preview

### TACIT presents "The Documents in the Case"

Terrill Ray

Put together a love affair, a case of mistaken identity, a plate of mushrooms, a death, a temperamental artist, and some scientists with a polariscope. This rather odd mixture will appear on stage in the Dabney Lounge at Caltech in Theatre Arts at Caltech's (TACIT's) adaptation of Dorothy Sayer and Robert Eustace's "The Documents in the Case" on May 1, 2, 3, 7, 8, and 9.

Todd Brun, a physics graduate student at Caltech, has adapted this story for the stage and is directing a cast of Caltech undergraduates, graduate students, and staff, Jet Propulsion Laboratory staff, and some other members of the Caltech community. This is Mr. Brun's second directorial effort with TACIT, his first being the successful "Rosencrantz and Guildenstern are Dead," in October 1990. This story, having a convoluted plot involving some weird science, seems particularly suited to Caltech.

Meet George Harrison, no, not the ex-Beatle, but a connoisseur of unusual foodstuffs (swealed hedgehog, anyone?), and amateur, if not amateurish, painter. John Munting, a poet, who thinks Einstein's theories are "a delightful idea. I like to think that all the straight lines are really curly." Harwood Lathom, an artist, who thinks Mr. Harrison's art and opinions on art are downright abominable.

Lathom and Munting rent Harrison's upstairs maisonette and soon an affair begins between Lathom and Harrison's second wife Margaret, who is 20 years her husband's junior. Through a twisted series of events, the happily engaged Munting gets accused of having the affair with Margaret, and is thrown out.

Later Harrison dies an agonizing death, apparently from accidentally eating poisonous toadstools. Paul, Harrison's son from his first marriage, is convinced that it could not have been an accident, but rather, "in his unselfish devotion to the worthless woman he had married, he had destroyed himself by a painful method which would look like an accident." Paul suspects that the alleged affair between Munting and Margaret Harrison is to blame. His investigation leads to a twisted trail of letters, and even to some twisted Friday, May 1; Saturday, May 2; Friday, May 3; and Saturday, May 8 with matinee performances at 2:00 p.m. on Sunday, May 3 and Sunday, May 9. All performances will be in the Dabney Lounge on the Caltech campus in Pasadena. Tickets are \$4 for students, \$6 general admission and available at the door from the Caltech Ticket office at 332 S. Michigan Ave. in Pasadena, and from all TicketMaster outlets. Call the Caltech Ticket Office at (818) 356-4652 for further information.

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This Week's **Inside World** was written by:

**Ricketts:** Jed Pitera

**Ricketts2:** Stu Wagner & Frank Filipanits

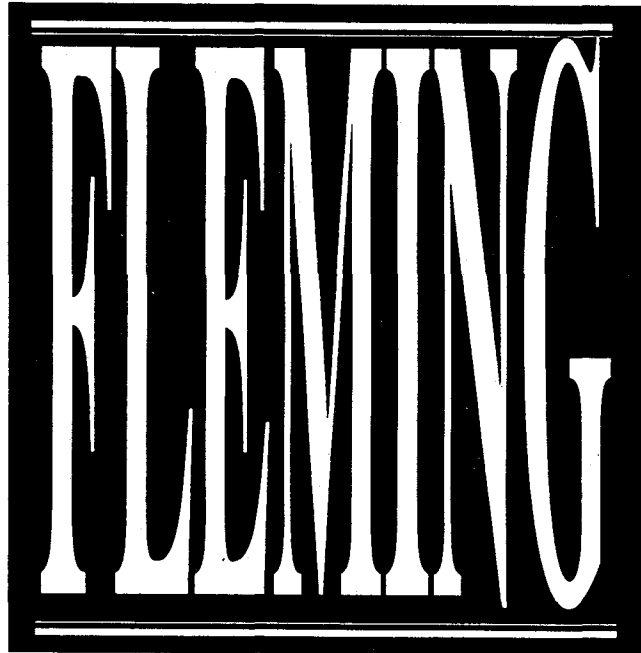
**Fleming:** Mark Chamness

**Fleming2:** Lanny Boswell

**Ruddock:** Hans Hornstein

Blacker	0	0	0	0
Dabney	7	0	0	0
Fleming	4	0	0	6
Lloyd	0	0	0	0
Page	0	0	0	0
Ricketts	5	0	5	7
Ruddock	0	0	4	5

3 <sup>rd</sup>	2 <sup>nd</sup>	1 <sup>st</sup>
0	5	3
7	13	12
10	5	17
0	3	11
0	6	10
17	13	8
9	11	9



Dating tips for Caltech guys.  
(Girls wait until next week.)

**DO's:**

Ask if she wants to ride your motorcycle. Ask to borrow class notes. Make sure she's eighteen. Make sure she's not lesbian. (Note that this can be difficult.) Find out about current boyfriends. As my grandma says, "When they give it to you - take it. When they kick you - run."

If she's a Scurve, take a number and reading material.

If she's a Mole, pick her lock.

If she's a Darb, bring a blanket... those bricks get cold at night.

If she's a Lloydie, bring a book... those beds get cold at night.

If she's a Flem ask yourself which category you fall into:

Does she hate you?

Do you really want to?

Does she not know you?

Does she screw you?

Or does she already screw a Pageboy?

If she's a Rudd, join the crowd. (The Ruddock rotating date service.)

If she's a grad student do some late night lab work.

If she's not from Caltech, flaunt her.

If she's an Alpha girl hide her.

If she's a frosh, forget it.

**DON'T:**

Don't talk about your next physics assignment. Don't ask about any of her current Caltech boyfriends. Don't ring the bell at midnight at the health center for condoms... get them from the laundry room... yeah, right. Don't take her to Tommy's. Don't mess if she's two-bag ugly.

If she's a Darb, don't play footsie. Ask her sexual preference beforehand.

If she's a Scurve don't bother.

If she's a prefrosh, don't get her drunk and don't pay her.

If she's a Mole, don't take her tunneling. Ask if she wants to build something... show her your erector set.

If she's a Lloydie don't worry, you'll be the first.

If she's a Page Boy don't worry, you won't be the first and you won't be the last.

If she's a Rudd, don't worry, you'll be one among many.

If she's a Flem don't bring up the Alpha girls, she'll get jealous.

If she's an Alpha girl, make a profit on the trade.

If she's a grad student and beautiful, look around... you're not at Caltech.

If she's a prefrosh, don't worry, your girlfriend will never be the wiser.

What about gerbils or horses? Ask a mole frosh.

FOR THE WEEK OF APRIL 24, 1992

THE INSIDE WORLD

THE TECH

IT'S MORE  
TWISTED  
THAN YOU  
COULD  
POSSIBLY  
IMAGINE!!

# Ruddock Leveled By Earthquake!

## Dazed Rudds Clamber Out of Wreckage.

CALTECH (UPI) - Panic reigned the campus here yesterday as a 9.0 earthquake hit Tech. Reports are not clear yet, but it seems as if the epicenter was Room 212 Ruddock. Some witnesses have reported hearing a loud "SHIIIIIIIIIT!" followed by a thud and a sound of wood splintering emanating from the room just before the temblor hit. Strangely enough, the quake was only felt within a one mile radius

of the campus.

Immediately afterwards, Ruddock House Crier Michael Kim strolled through the wreckage repeatedly muttering, almost inaudibly, "Earthquake. Earthquake. Get your bottle of water out. Earthquake." He was later found sleeping on a pile of rubble nowhere near where his room once was.

RA Doug Yule attempted to augment Mike's public service announcement with his nifty flashlight-radio-siren. "Well, even if it's pretty ineffective, it still sounds neat. Sure am glad we stocked up those thousand three-pound bags of M&M's."

A shelter for people made

homeless by the quake has been set up at the end of what once was Alley 2, complete with maggot farm and mandatory bible study.

Vice-president Chris "I Got Your Earthquake Right Here" Launey has suspended constitutional rule, declaring a state of emergency drunkenness and festivity.

Shane Sauby was seen combing through the wreckage muttering "I don't understand why cameras keep disappearing from my room."

Walter Jones is missing, presumed dead. Celebrations have commenced. Also among the missing is a lame frosh whose last name sounds like a rodent who lives in Alley 1 and who was vy-

ing for the "Louder is not Cooler" title. Get a clue, Minnesota is not a cool place to SURF, or whatever.

The Fleming Cannon sustained damage, including a broken barrel. Heath Hunnicut was promptly heard to exclaim: "Look, Tech's 2nd largest phallic symbol has become flaccid."

Emergency toilet facilities have been set up in what was formerly Lloyd house. Former residents were heard to say that the atmosphere has improved since.

Rich Song was seen treating the wounded. He was heard to say to Vik Nanda: "That's OK, we learned how treat amputated penises yesterday in Health Advocates."

Structural integrity of the remains of the House was being tested by engineer extraordinaire Wen Hsieh early this morning. Wall integrity was tested delicately with the Alley 4 shaft, and floor safety by the sophisticated jump-up-and-down-and-say-"it-seems-OK" method. He is now in stable condition at Huntington Memorial. Unfortunately, the doctors say that his mental condition is terminal.

CCF will have a meeting to praise God's will in bestowing this blessed earthquake upon us in his infinite wisdom and mercy. An orgy will follow.

-The Goalie

Ricketts House Inside World II

Ricketts House Inside World II

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## On the (8-fold) road (with nods).

It seems odd to find myself where I am now. Things keep getting more complex as the convertible drives further into the desert, drives in the direction of America's heart. We acquire speed and weight with each tick of the odometer, each black-white-lineblur mile somehow assembling our pilgrimage, putting together an arrow shot from culture's bow to plunge through the everpresent horizon, paring apart land and sky and reassembling, rearranging them in our wake. How did we begin? Simply enough. After lunch, Good Friday, I went for a walk. No sooner did I reach the eastern edge of campus when a horribly mint green convertible pulled up in front of me, whisper-quiet. Its make was irrelevant; its most significant detail (besides chrome) was that it had fins. Far more important than the car, however, were the passengers.

Think, for a moment, about how it feels to meet people you've only seen pictures of, abstractions of their presence without depth or complexity. Yeah, yeah, a book-and-cover analogy suits. I was sure, convinced, that these were people I knew from having met in similar fashion, as distillates of their essential personae. Feeling the resonance, I hopped into the front passenger seat, next to the driver.

He was a strange one, all right; brown hair, glasses, sweater and knit tie. He wore all these under a cycle punk's black leather jacket (shoulder emblem a tipped-eight infinity sign) with an oddly relaxed, almost professorial manner. "Welcome," he grinned, with a tip of a nonexistent hat. "R—rudy, right?" I stammered. "Well, yeah; Marcel copped to the double-r thing first, though, so just call me Rudy. But you knew that." "Yeah."

~We travel into well-charted unknown realms, my Vladimir and Estragon!~ an explosion of scraps of paper (confetti cut from gas-station maps) blew into the front seat, along with a strangely unattached glove. ~Joining our odd mob? Of course!~ The glove pumped my hand vigorously. "Um...I don't know who he is," said Rudy by way of apology. "I used to think he was some abstracted Jack Kerouac—" ~I am! Eyeam!~ "-but he's nobody I know. You can sort of see him out of the corner of your eye, if you aren't looking." "He's a nobody I know as well." "Well, whoever he is, he's navigat-

ing. Or pretending to." ~We must/shall find exciting new flatware designs, Rufus! Onward!~

The car lurched forward. Fearful of more surprises from the back, I turned around. The gloves were busy unfolding maps, folding them back another way (often involving stapling and bits of string) and then tearing them to bits. Mr. Nobody, whoever he was, sat between a rather stiff T. S. Eliot and a longhaired man with a strangely offset ponytail who was staring straight ahead and frenziedly scribbling (writing?) in a black notebook. Noting my interest, nobody performed introductions.

by overhead. Silence. Then a screamed order: !I'm Milk! !He's Cheese! ^Free us now, please!^ Rudy nervously handed me the keys. "I have a feeling this is your fault," he said. I opened the trunk.

We were confronted by an anthropomorphised pint of milk and block of moldy cheese who hopped out of the trunk as soon as it was cracked and each kicked me in the shins. !Thanks for the ride! ^Bye!^ They both gave us two-fingered salutes and sprinted into the desert.

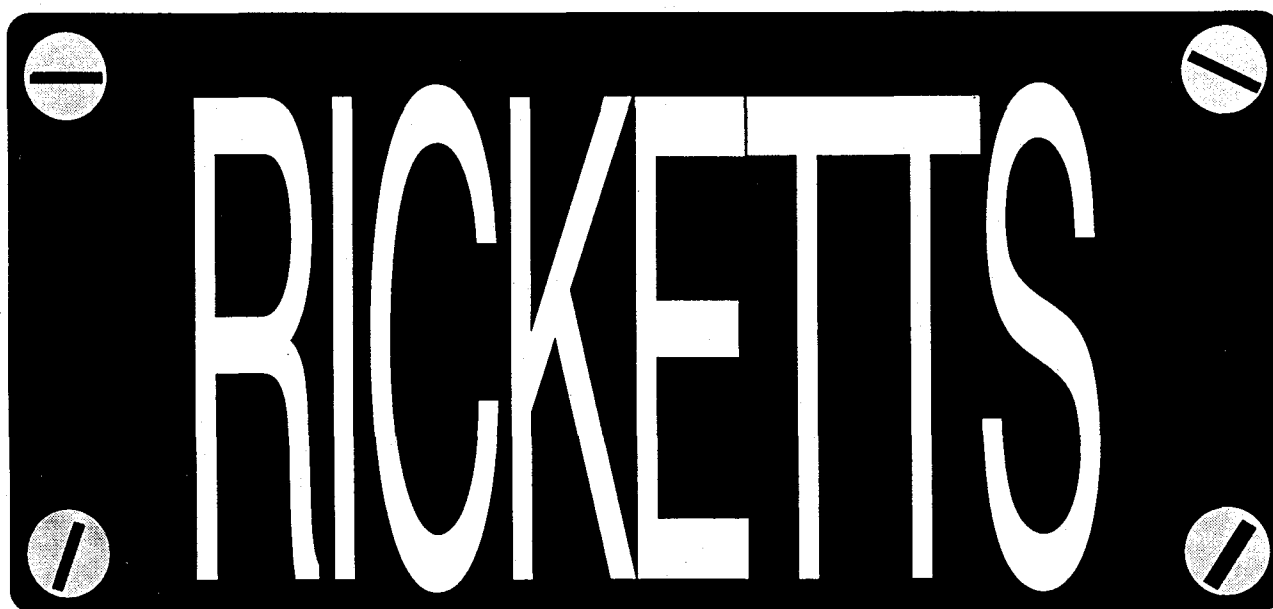
Further opening the trunk, we discovered two bound, gagged men who appeared to be related. Foolishly assuming that anyone

capable of being beaten up by dairy products was harmless, we undid their bonds. \*Where'd they go?\* screamed the black-haired, mustached brother. I noticed one of his eyes was disturbingly larger than the other. #Sorry about my brother,# said the bearded brown-haired one, #he tends to get a little bit ex-

cited. Then he gets violent. He enjoys it. I enjoy seein' him enjoy himself, understand?# "Umm, yeah..." Cowed, I made a move to point after Milk & Cheese, but noticed that a gloved hand was already extended in the opposite direction. The brothers sprinted off, intent on bloody, curdling revenge.

As the trunk closed, Rudy commented, "That was strange. Why don't you drive for a bit? I'll hop in back." Our group reentered the car, me taking Rudy's place behind the wheel, nobody taking my place, and Rudy hopping in the back to navigate. The car tooled out onto the road and I first acquired the courage to ask... "Where are we going, Rudy?" "Alamogordo. Where else?"

-J.W.P., this wierd and shadowless wasteland, Easter Sunday 1992.



~T. S., Jed. Jed, T. S.~ Behind (?) a hand; ~He's a little moldy, but we're dragging him along cos' he's the only one of us that's qualified to read The Golden Bough.~ Surely enough, the corpse had both volumes of Fraser's text on his lap.

~Thomas P., Jed. Jed, Thomas P.~ I seemed as present to Thomas as nobody was to me, but the introduction prompted a renewed intensity in his scribbling, dervish-like automatic writing. ~Since you're the narrator right now, I suspect he's writing this road trip. Or not. Groovy, huh?~

A thudding from the trunk prompted Rudy to pull over to the side of the road. We had traveled far enough to be alone on the highway, two lanes horizonwise in either direction. We (the three) disembarked and walked to the back of the car. We heard sounds of violence, breaking glass and machine gun thuddings. A phantom helicopter thudded



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Simply drop a note in our box down at Office 40A in the SAC with your name and the words, "I don't want to be in the Inside World!" No reason need be given.

# Fleming In Turmoil: Chaos Reigns!!! **FLEMING2**

## Fleming House UCC's Create Commonwealth; Mass Purge of Former Fleming Leaders

Earlier today, the six alleys of the former Fleming House announced the formation of a Commonwealth of Independent Alleys that will replace the old Fleming House government. Experts on Fleming Affairs have anticipated this move because of the economic troubles which have plagued the former Fleming House Union. Over the past year, Fleming House has declined from being the house with the third largest surplus to the house deepest in debt. Whether or not the new Commonwealth will pay back the thousands of dollars in loans owed by the old government remains to be seen.

It has been announced that Jason Lee, Athletic Manger of the former Fleming House (and President of the Republic of Alley Two), will lead a unified athletic program for the six Independent Alleys. This news greatly disturbed the members of page and ruddock houses who expected easy wins in Interhouse and Discobolus after the break-up of Fleming. The fate of former President Baltzerson and the rest of the Fleming Federal government remains uncertain.

Ex-Social Chairman, Eric Loftsgarden, has resigned his position in favor of junior Ken Wiberg. Wiberg, a resident of the Republic of Alley One, has proposed a new social calendar promoting the fine American traditions of Beer and Basketball. President Boswell of the Republic of Alley Four, who worked closely with Wiberg on the proposal, has strongly recommended that each of the new Independent Alleys adopt this calendar.

Former President Baltzerson has been unavailable for comment since his sudden illness earlier this week. Fleming Head Waiter, Tim Maddux, has denied rumors that this illness was caused by poisoned food served at a house dinner. Mr. Maddux was replaced as President by Baltzerson at elections held earlier this year. Sources close to Maddux reported that the former President was extremely upset about giving up his office to Baltzerson. In a press conference following the announcement, President Chamness of the new Indepen-

dent Republic of Alley Six indicated that Baltzerson's illness has grown worse and the former Fleming leader may not be long for this world.

Former Vice President, Taletha Derrington, has apparently fled the country and is seeking political asylem in another house. Former Fleming Secretary, Jessica Nichols, expressed concern that the formation of the Commonwealth would prohibit her from running more room picks, one of her favorite activities. Former Treasurer, Rob Underwood, is still missing, although it is suspected that he embezzled the remaining Fleming funds and went to Switzerland.

The Fleming Executive Committee will meet tomorrow where it is expected they will vote to dissolve after deciding the fate of the Fleming Off-Campus Alley. With the illness of former President Baltzerson and absence of former Vice-President Derrington, Secretary Nichols will, out of kindness, serve as acting President for the meeting. Nichols expressed confidence in her ability to run an Executive Committee meeting, as she has had experience with this task in the past. The six Presidents of the Independent Alleys will also attend this Executive Committee meeting to insure a smooth transition of power.

The IHC held an emergency meeting to determine the status of the former Fleming House. IHC Chair, Ben Smith, stated that

while the IHC will recognize the independence of each of the new Alley Republics, each will not receive a vote on the IHC. Experts predict that President Choong of the Republic of Alley Five will serve as the representative of the Commonwealth on the IHC.

Questions still remain regarding the status of Fleming's military (also known as the Fleming Cannon). While Alleys One and Two claim that the Cannon is rightfully theirs because of proximity, Alleys Four and Five are the only Republics with the qualified personal to operate this weapon. President Chamness of the Republic of Alley Six stated that his Alley supports dismantling the Cannon to promote world peace.

President Mazurek left the press conference early to meet with leaders of bordering Dabney House. Some have speculated that the Republic of Alley Three will seek to merge with Dabney House. The exact location of the border between Dabney House and Alley Three has been disputed heavily during the past year. Dabney leaders refuse to comment on a possible merger.

Inside World News will continue its coverage of these Earth shattering events and report on any further developments. Stay tuned....

WAIT A MINUTE!!! An Inside World without a top ten list. I don't THINK so...

### Top Ten Reasons the Commonwealth of Independent Alleys is better than the old Fleming Government.

10. We increase the validity of the Tiebout model as applied to Caltech. (Don't ask.)
9. The Gods of Alley Four won't have to put up with the rest of the House.
8. The rest of the House won't have to put up with the egos in Alley Four.
7. Beer and Basketball.
6. Six social events each and every weekend instead of only one.
5. No more four hour Ex-Comm meetings.
4. Our Top Four were not qualified to lead anyway.
3. We could have six different new constitutions.
2. Rotation will be so much more fun with 12 houses.
1. Flems can pick SIX cards for the on campus room pick and, therefore, have a better chance of staying on campus. (Think about it.)



## ENTERTAINMENT

**Toto Le Heros**

12345678910

Once in a while a director of a film can step in and steal the show by the using all the creative devices at his disposal. Devices such as montage, lighting, background sounds and settings, camera angles, close focusing and framing all can add to the quality of a film. But when used properly it reminds the viewer that film making is truly an art. This is the case in *Toto Le Heros*, a French foreign film superbly directed by Jacques VanDormael.

Immediate suspense and uncertainty arises as the opening scene begins with a murder of an elderly man. From this point on in the film VanDormael explores the significance of living life for his character Thomas, played by Michel Bouquet, and attempts to evaluate its worth. With this underlying theme, VanDormael shows Thomas as an old man in a nursing home and uses the memories of this old man as a montage of chronological life scenes. In doing this, VanDormael backtracks to Thomas's early childhood and through a narrative technique the viewer sees and reasons like a child. This effectively draws the audience into the movie and adds empathy to the character.

In the next memory sequence Thomas is seen in the later years of his childhood. It is her that VanDormael exposes the notion that

the worth and significance of a person's life is purely circumstantial and that we are victims of chance. It is at this point that Thomas's arch rival Alfred, played by Jo DeBoucher, is introduced. Alfred is Thomas's neighbor who has wealthy parents and seems to lead an ideal life and also shares the exact same birth date as Thomas. Thomas ponders the possibility that Alfred's parents are his and therefore Alfred's life should also be his.

This rivalry between Thomas and Alfred never ceases and is the main focus of the film. Alfred goes on to live a prosperous life while Thomas lives a life of solitude and sadness. As the montage of the past life sequences stops we are left in the present day to see Thomas as an old embittered man who fantasizes about escaping from the old age home and killing Alfred for stealing his life. When they both finally

the way through to the conclusion. The best part about this film is the way it draws the viewer into what is happening on the scene. As one looks around the theater many faces are seen as though they are in a hypnotic trance. If the type of movie you want to see is one that leaves you thinking and talking about the film for days to come then this is a must see. However, if the type of movie you want to see is more along the lines of a beer commercial with a few quick thrills then you had better pass on *Toto Le Heros*.

**The Babe**

12345678910

In today's day and age it is very difficult to define what a hero is. That is because people now are better informed and have news information readily available to them. However, about seventy years ago news items had a substantial lag time and were often reported from second or third hand sources. The end result was that the people reporting the news did so with bias and true accounts of the facts were often misinterpreted or embellished upon. Thus, myths and legends of people were enabled to perpetuate. Seventy years ago there was no question of what a hero was. The answer was very plain and simple. A hero was Babe Ruth.

Babe Ruth is recognized today as one of the best baseball players to have ever played the game. He is also recognized as being one of the most colorful ball players both on and off the field. For those unaware of his history it is very hard to compare him with someone that exists right now. In modern day

terms the closest comparison for Babe Ruth would have to be a combination of Jose Canseco and David Lee Roth.

The best known achievement in Babe Ruth's career was his ability to hit home runs. He did this at a time when home runs were a rarity and this brought a lot of attention to him. What is perhaps even more remarkable was that if you saw this large overweight man walking down the street the last thing to cross your mind would be that he is an athlete. Celebrating accomplishments was by no means a scarce event for Ruth. His reputation as a partier and ladies man was very well known. Also well known was his generosity to children especially those from the city who were underprivileged.

Babe Ruth was no ordinary man and that was the major obstacle that director Arthur Hiller had to overcome. Hiller had to figure out a way to take a man whose life had many facets, each one being a potential movie in itself, and condense it down to a two-hour feature length presentation. The choice for Babe Ruth to be played by John Goodman could not have been better. Goodman's best work to date has been seen in such films as *Barton Fink* and *Raising Arizona*. His greatest asset as an actor is that he can switch gears from serious to humorous in a convincing fashion. It was essential for Hiller to have the audience see Ruth as more than just a baseball player who hit home runs and chased women. Goodman's performance made the character of Babe Ruth in this film was very believable. Co-starring was Kelly McGillis who played the character of Ruth's wife and from whom the audience learned more about Babe

Ruth on a more personal level.

It is very obvious that director Arthur Hiller had his work cut out for him. It is also very obvious that he failed at what he set out to do. Instead of giving the viewers a good feel for the sort of person Babe Ruth was and for the magnitude of his size, Hiller chose to take select portions of the more well known portions of Ruth's life and string them together in chronological order. The end result was that it left the audience with mixed feelings of what the film was suppose to be about. In other words, what was the point. However, the performances by all the actors were very good. The decor and backdrop for this film was masterfully done and it enhanced the period of time that this story took place in. Depending on what the viewer wants to get out of this film, he will either like it or dislike it. If the intention is to learn about the legend of Babe Ruth and become familiar with his more acclaimed antics then you'll like it. But if the intention is to see something that is more in the way of a story about Babe Ruth then you had better pass on this one.

MOVIE  
REVIEWS*Jim Caron*

meet it is in the last years of their lives and they find that they shared envy for each others lives.

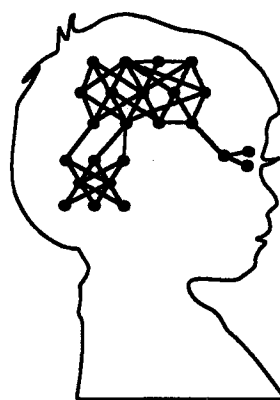
This film is a refreshing change to what is normally shown in movie theaters. The intensity of the acting and directing lends itself to the realism of the message this film leaves with the viewer. *Toto Le Heros* keeps you guessing and thinking all

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## ENTERTAINMENT

# "Life, as Seen Through the Eyes of a Dog"

## An Interview with cEVIN Key of Skinny Puppy, and a review of *Last Rights*

Carl Roth

"Life, as seen through a dog's eyes" is how keyboardist and experimental musician cEVIN Key describes it. Along with Dwayne Goettel and vocalist Ogre, they comprise Skinny Puppy, an enigmatic and avant-garde electronic music group from Vancouver. Through a combination of industrial rhythms, sophisticated keyboards, found sounds and processed, distorted vocals, they create an eerie, alien and not-too-friendly soundscape that draws considerable underground appeal.

After eight albums, Skinny Puppy has virtually defined the genre of technological angst and primal rage as applied to electronic music. Alternately described as "death disco" and "industrial gloom," Skinny Puppy draws on images of science fiction, horror and violence to form the core of their expression. While their studio albums try to capture some of this, with a combination of technical proficiency and controlled cacophony, their live performances include an element of performance art, in order to make their messages more clear. They have been known to stage mock executions and mock vivisections on stage, to imbue a sense of catharsis to the crowd.

In a recent interview with cEVIN, he elaborated on their new album, *Last Rights*, their upcoming live tour, and the political and personal messages that come through in their music. Admitting that they are "quite schizophrenic at times," he described the new album as a chronicle of the singer Ogre's recent personal hardships. In the light of what he describes as an improved working relationship among the band members, and an end to Ogre's chronic drug problems, he describes Ogre's recent anguish: "Now he's staring at the monster, he can see it... Now, what do we do with it?"

While most of the songs on this album are recognizable as being in the Skinny Puppy style, cEVIN described one track, "Download," as a departure from their normal signature. An 11-minute sound collage of digital samples and effects, Download was supposedly created in one night out of 50-60 different sounds, pieced together with a diz-

scenario wherein he and Dwayne compose the instrumental portions of the songs, complete with sound effects and distortions. This is then handed over to Ogre, who picks out tracks that he likes and composes lyrics to suit. The upshot of this is that the lyrics add emphasis to different parts of the song, perhaps not those originally intended. The re-

statement, and not an obligatory appearance with music running." In preparing for a live performance, they find it necessary to "dissect our original intention and ... re-approach it." The motivation, he says, is that "it's no fun unless we've got a serious challenge to play it." In truth, their performances can be quite grueling. In their tour to support the

an automobile turn signal as an example. "I try and ... dissect the real sound from the source." Their albums are richly textured with such found sounds. While the press and music critics alike have a hard time labeling Skinny Puppy as belonging to a certain genre, he says, "there's a lot of things out there that are a lot more interesting than what we can define."

As for their effect on their fans, he describes it as a sort of scream therapy, or eye-opening experience. With their recurring themes of animal rights and environmental catastrophe played out in terms of senseless violence and despair, their is always the concern that their messages might be lost in the visceral imagery. They regularly show animal experimentation films to highlight their anti-vivisectionist stance, and after a show in Cincinnati, they were arrested in connection with a staged vivisection. The crowd was not entirely convinced that the animal used was fake. When asked as to whether their intentions might be misread, he responds, "it all depends on what we unleash in people."

The original vision of Skinny Puppy was "how a dog would make music if it had to make music, and what it would have to say ... about the world." The world hasn't gotten any prettier since they first started recording that vision, and it can be argued that their music is an embittered reflection of that. As a progression through time, he describes their music "like any addiction. You get used to something after you've had it for a while, and you need more, and you need something heavier, and you need something more intense." In *Last Rights*, Skinny Puppy is at their most intense level yet.



Skinny Puppy.

zying amount of hardware. Of it, he says, "Some of the sounds ... are purely digital feedback, digital noise, [and] digital numbers clicking by." It creates an odd effect, as if a club DJ were creating "scratch music" with a compact disc.

One intriguing thing about Skinny Puppy songs is that, while they contain recognizable rhythms, they do not conform in any sense to traditional song structures. When asked about the creative process that goes into their music, cEVIN described a

sults are, as cEVIN describes it, "spontaneous and offbeat." He adds, "when we create, we don't know how it's going to turn out either." He likens their work to that of technicians or scientists, in that "there's a bit of an experiment going on."

While most live electronic bands tend to be bland and predictable in concert, Skinny Puppy's live shows exhibit a certain intensity that is due in no small part to the band's sincerity of expression. He says that Skinny Puppy tries to make "a

viviSECTvi album, Ogre collapsed onstage during their Los Angeles performance.

When pressed on the issue, cEVIN described a diversity of creative influences, most notably underground music and film. When asked specifically about musical influences, he said that "the regular music scene ... interests us, but doesn't inspire us, so we have to go out and try to inspire ourselves." He says he looks to everyday things for sound ideas, taking the clicking of

## Bridge Without Sam

Jeff Goldsmith

Jettison

Playing in a regional Swiss Teams against questionable opponents, I pick up

♠J843 ♥3 ♦KQ107 ♣QJ84

Dealer, on my left, opens 1NT (15-17), and partner butts in with 2♣. We play that 2♣ shows the majors, so I duly alert and explain. RHO passes, and I bid 2♠. I know that game might be cold, but our style over strong notrumps is to bid often to fight for the part score and not worry too much about game. Even 2♠ could be too high. Everyone yawns and I get to play it.

As partner puts down the dummy, he says, "I thought 2♣ shows four spades, five hearts, and 11-15 points. Did someone opened 1NT?" I can tell that he's just being silly, but he does put down a fine dummy, perhaps too much.

♠AK65  
♥Q10972  
♦AJ3

♠6  
N  
W E  
S

♠J843  
♥3  
♦KQ107  
♣QJ84

The defense starts with the ♠K, shifts to the ♥K, and continues with a low diamond. Given that we have 23 points, it is possible that RHO has either the ♥J, ♠Q, or both, but could have none of them. I have four diamond tricks, one club trick (the finesse must be working) and six trump tricks if I can cash everything. They, however, have the two Kings and a possible trump trick. Since nothing rates to break horribly, I start by winning the diamond in hand, perforce with the Ten since RHO plays the Eight. I take the club finesse, covered, and ruffed. If trumps are 3-2, I can claim ten tricks, so I cash the top spades. LHO drops the Queen on the second one. Do I have play for 11 tricks, now? I need to ruff another club in dummy and draw trumps. That takes two entries to hand. I have them, but it

will block diamonds. That's of no matter if they break 3-3, and I do not see any other way to eleven tricks, so I shall proceed. Heart ruff, club ruff, diamond (all follow, phew) to the King, trump Jack, lefty pitching the ♥J. Hmmm.

This leaves:

♠—  
♥Q10  
♦A  
♠—  
N  
W E  
S  
♠—  
♥—  
♦Q7  
♣J

It looks like the 1NTer had two spades, four hearts, and either four clubs and three diamonds or three clubs and four diamonds. I have her either way! When I cash the ♠J, she nonchalantly pitches a diamond and gets ready to claim the last trick with the ♥A. Surprise! I jettison the ♦A from the table and claim myself with two good diamonds. Very pretty—even partner was impressed.

## Marni Nixon to Perform at Beckman Auditorium

Cara Stemen

Soprano Marni Nixon will perform a program of pop and classical music on Saturday, April 25 at 8:00 p.m. in Caltech's Beckman Auditorium.

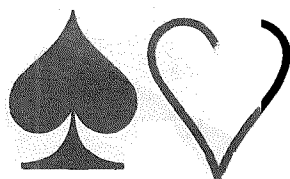
Nixon, who most recently aided in the opening "Liederabend" of the 50th Anniversary Season at Tanglewood, has realized equal fame in both classical and popular music. She has concertized throughout the world with Leonard Bernstein, Zubin Mehta and Andre Previn, among others. She has also appeared both on and off Broadway.

"Cabaret Songs of Arnold Schoenberg," a classical recording, merited Marni Nixon a Grammy Award nomination, and her "Mary Poppins" album for Disney earned her a Gold Record. Her voice is also known to moviegoers who have heard her sing for Deborah Kerr in "The King and I," Audrey Hepburn in "My Fair Lady" and Natalie Wood in "West Side Story."

Tickets to this event are priced at \$25.00, \$22.50 and \$20.00. Caltech Student (with I.D.) can purchase \$7.50 Rush Tickets (subject to availability). Caltech faculty and staff can purchase half-price tickets. Tickets can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call campus extension 4652 for information.



Marni Nixon.



SPORTS

Matzner Breaks Caltech Track Record

Ned Bowden

The biggest news to rock Southern California was not the earthquake but that two Caltech men's track and field records fell last weekend. Last Friday Aaron Matzner jumped his way into history by running a 9:21 in the 3000m steeplechase and beating the previous record by ten seconds. What was even more amazing was that he tripped over one of the steeples on his last lap; yet, he instantly rose up and finished strong. Thanks to that effort he may go to Nationals in Maine. Greg Dudey tied the Caltech record in the pole vault by clearing 14'0". He claimed to have done that on a "bad vaulting day" and he stated that he would go higher. There are high hopes for both Aaron and Greg in the conference championships next week.

Several other members of the team provided highlights last

weekend. Steve Harkness placed a strong second in the shot put with a toss of nearly 44'. He has proven to be a strong competitor for the team since joining in March. In the triple jump Andy Crews leapt over 42' for the first time and continued to long jump over 19'. Jeff "Hi Mom!" Martin led the Techers in the discus competition with a throw of 116'2". Another spectacular performance by Greg Dudey came in the 400m intermediate hurdles. He was close to last until the last 100m when he blew by the competition to place second. Adrian Hightower was so impressed by his performance that he ran the first 200m of the same race as fast as possible, but then he discovered that the final 200m could hurt. Adrian held on to win his heat in the 400m hurdles. In the open 400m Schuyler Cullen raced it in 57.8 seconds and said after the race that it "was too short of a race, I'm barely breathing. I hate sprints. I

wish Coach would let me run the 5k." Maybe now he will Schuyler.

The women's team saw many noteworthy performances. Emmeline Naranjo continued the Tech dominance in the 400m intermediate hurdles as she finished in a comfortable second place with a time of 1:10.73. Virginia Garcia battled the oppressive heat to finish the 3000m in 13:37. Fatima Ehrhahim paced a strong 1500m and 800m races and had enough left to kick into the finish. In the 200m Jessie Haldeman prepared for the Caltech Heptathlon by running a 30.31.

Caltech will host the Conference meet next Thursday and Saturday. Coach O'Brien is looking for volunteer or work-study help in running the meet. If you are interested in helping come to a short meeting today at 4 P.M. in the Athletic Center or contact O'Brien before next Thursday.

SCOREBOX Standing

Men's Tennis		
vs. La Verne	W 7-2	
Women's Tennis		
vs. La Verne	L 0-9	4-10
Baseball		
vs. Alumni	L 12-15	1-18

This Week In Caltech Sports

Baseball		
4/24	3:00 P.M.	vs. La Verne
4/25	11:00 A.M.	at La Verne (2)
Women's Tennis		
4/25	9:00 A.M.	vs. Alumni
Golf		
4/27	1:00 P.M.	vs. Whittier

Y NEWS

Philip Cofield

It's not too late to flee the country with the Y. You missed this weekend's Tijuana trip, but we still have at least two more upcoming. Get away for a few days by helping build a community center for underprivileged youth. It's an unbelievably rewarding experience.

And if you're really into that escapism thing, hop on your bike, and join us in riding off into the local mountains on May 1-2. We know what we're doing this time, and I guarantee it won't rain again. It's a great way to prevent yourself from ruining a perfectly good weekend by taking midterms.

Once again, it's time for Boffo Bonecrusher Broomball. This term's competition will be held on May 9. Teams can sign up starting Monday. Somebody beat those Damn Scurves!!

For the first time ever (or at least in a really long time), the Caltech Y proudly presents the First Annual (unless it goes so well we decide to make it a Daily event) Caltech Whiffle Ball Championship to be held on Wed., May 13. Get your team of 3 together and start warming up.

Earth Day last Friday was a roaring success: thanks to all those who helped in the planning or participated. Our next festive occasion is International Day, coming May 15. There's still time to get involved and help out.

The Y still has lots o' tickets: in addition to our usual movie tickets, we have Dodger tickets, Raging Water Tickets, Sea World tickets, Magic Mountain tickets, Renaissance Pleasure Faire tickets, and Pasadena Symphony tickets (free to international students). To buy them, or for more information on any upcoming events, stop by the Y at the second floor of Winnett or call x6163.

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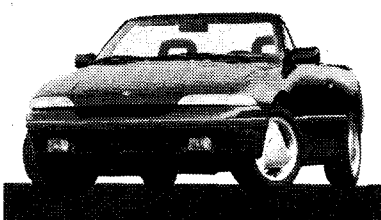
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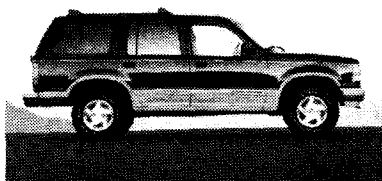
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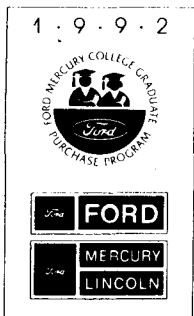
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## WHAT GOES ON

## NOTICES

**Grads Apply For 92-93 Housing Now** - Graduate student housing applications for the 1992-93 year are now available at the housing office. Rooms are allocated by lottery. The application deadline is Friday, May 1, 1992. For more information call Linda Chappell at x6178.

**Farewell Reception** - This is to announce that Lee Foster is retiring as Manager of the Bookstore on May 1, 1992 after almost 17 years of service at Caltech. Please plan to join us at a farewell retirement reception for Lee on April 30, Thursday, Athenaeum main lounge, from 3:00 p.m. to 5:00 p.m.

**ME 72 Preregistration** - The ME 72 preregistration for fall term 1992 will NOT be on a first-come/first-served basis. Each preregistrant will be asked to fill out a questionnaire, and the responses will be used to determine who is eligible to take the class. (At this time, it is intended that these questionnaires will be available at the registrar's office during pre-registration week). A list of eligible class participants will be posted in Thomas at the end of the pre-registration period.

**College Women Student Leaders** - The Dean of Students Office and the Caltech Y are sponsoring one woman undergraduate student (non-seniors) to attend the Eighth National Conference for College Women Student Leaders, May 28-30, 1992, at the George Washington University. Goals for the conference include increasing women student leaders' understanding of the factors affecting opportunities for women and the quality of their lives on campus and in the world beyond the campus and encouraging women student leaders to see their campus experiences as foundations for continuing leadership at the community, state, and federal levels. If interested, please contact the Deans' Office before April 24, 1992.

**Student Investment Fund (SIF)** - The SIF now meets every Tuesday at 5:00 p.m. in Club Room #2 of the Winnett Student Center. Members of the Caltech community are welcomed to attend. The SIF has established an award, \$500, to promote outstanding research in finance. Priority is given to undergraduates. Selection takes place on the basis of a research report, submitted to a committee. The SIF will disburse up to \$4000 to other clubs and organizations. Proposal forms are available in the Student Investment Fund mail box 142-58 SAC or from Tal Schwartz. Deadline for submission is 5:00 p.m. Tuesday, May 12, 1992. For questions and information, contact Tal Schwartz, Page House Rm. 217, (578-9755), Mail Box 583, TAL@tybalt.caltech.edu.

**Wanted: Books!** - This year's annual book sale is scheduled for Friday, May 29, and members of the Friends of Caltech Libraries are preparing now by collecting new and used, hardback and paperback books from members of the Caltech/JPL community. Donations in all subject areas are needed. Bring donations to the first floor of Millikan Library during the week between 8 a.m. and 5 p.m. A special "Donations Saturday" is planned for May 9, when refreshments, as well as help in carrying books, will be available between 10 a.m. and 2 p.m.

**Poetry Workshop** - In Y Lounge, 2nd and 4th Tuesdays every month, 7:30 to 10 p.m., more info from kathy@bombay.gps.caltech.edu (also, x6955).

**Pre-Med Students, including Frosh and Sophomores:** informal meeting with Dr. Marlene Coleman on April 27. You should attend either session in the Health Center Conference Room at noon or 4:00 p.m.

## EVENTS

**ASCIT Formal** - The time has come - time to sign up for this year's ASCIT Formal. The Formal will be held on the evening of May 8, 1992 at the Athenaeum. Good food, good music and good dancing for only \$50 per couple. (The band will be announced as soon as it is confirmed.) Sign up now in your own house or outside the Mosh's Office by April 24. If you have any questions, call Derek Surka at x3691.

**Caltech Y Excomm Meeting** will be held in the Wes Hershey lounge of the Winnett Center on Monday at noon. The Y invites anyone who wish to cosponsor an event to attend on the first or third Monday of every month.

**Canadian Club Meeting** - That's right, the Canadian Club is back, and we have money! If you would like to help us decide how to spend it (or are just interested in joining the Canadian Club) come to our next meeting on Tuesday, April 28 at 7:30 p.m. in the Page House Library. Everyone is welcome.

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

**Preschool Playgroup** - Structured activities for mothers and their children. Sponsored by The Caltech Women's Club in the Caltech Villa Apartments on Tuesday, April 28 from 10 a.m. till noon. For more information contact Valerie Murray, 287-8960.

**The CIT-KNIT Group** meets at noon on Tuesdays in the Benioff Conference Room (Rm. 256 S. Mudd). Come and join us.

**Caltech Y Volunteer Trip to Tijuana**, departs from the Caltech Y at 3:30 p.m. on Thursday, April 30. Students will participate in the construction of a community center in conjunction with the YMCA of Baja California. Sign up for the May 7 or 10 trips. For further information call Chris Sunderberg, ext.6163.

**Fortunetelling at Caltech** - well, sorta. Tarot card classes (hosted by Poetry Workshop). Make your own deck. In Y Lounge, 2nd and 4th Thursdays of the month, 7 to 9 p.m., more details from kathy@bombay.gps.caltech.edu (or x6955). Free and open to the public, so bring a friend.

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

## ENTERTAINMENT

**Coleman Chamber Ensemble Competition Winners Concert** - The winners of the 46th Annual Coleman Chamber Ensemble Competition will perform in Roma Auditorium on Sunday, April 26 at 3:30 p.m. For more information call x4652.

**Tom Smith and Tracy Moore** - The Caltech Folk Music Society is sponsoring a concert by Tom Smith and Tracy Moore in Winnett lounge at 8 p.m., Saturday. Tom Smith's guitar music features a full bodied sound; Tracy Moore is a 12-string guitarist with a captivating and infectious sound. For more information call x4652.

**Punk S.F. Night** - S.P.E.C.T.R.E., the Caltech Science-Fiction Club, will host an evening of new-wave science fiction featuring the movies "The Man Who Fell to Earth" and "Liquid Sky." The punk videos will be shown starting at 7:30 p.m. on Tuesday, April 28th in room 35 of the SAC. Refreshments will be provided. For more information, contact Gorm Nykreim at x4121 or 568-9168.

**The Magnificent Ambersons** (United States, 1942 - Welles) will screen at 8:30 p.m. on Tuesday, April 28th in Baxter Lecture Hall. Orson Welles' second film and second masterpiece is the story of the declining magnificence of an American dynasty. From the novel by Booth Tarkington. Admission is free.

**Imperativ(1981)** will be shown as part of the German Film Series in Baxter Lecture Hall at 7:30 p.m. on Thursday, April 30. English Subtitles. Admission is free.

**Coffeehouse Marathon** - The Caltech Coffeehouse will be open 77 hours straight! Play games, win prizes, and enjoy discounts at this once a year food feast. in the Student Activities Center. For further information call x2935.

**"Documents in the Case"** - TACIT will give a performance of "Documents in the Case" a play about a love affair, a case of mistaken identity, a plate of mushrooms, a death, a temperamental artist and some scientists with a polariscope. Starting May 1 in Dabney Lounge. Contact the Caltech Ticket Office at (818) 356-4652 for more information.

**Capitol Steps** - This group of former Congressional staffers, switched to musical political satire, and for the last eight years have been performing their song parodies chronicling the flips and foibles of our country's leaders. Tickets are available at the Caltech Ticket Office. For more information call x4652.

**Renaissance Pleasure Faire** - The Caltech Y has discount tickets available for \$12.50 for this annual event which starts this weekend and runs the next eight weekends.

## LECTURES

**"The Permissibility of Classified Research in University Science"** - Margaret Schabas of the Dept. of Philosophy of York University in Toronto and a visiting professor of Philosophy at Caltech, will give a presentation as part of the Science, Ethics and Public Policy series, Wednesday, April 29 at 4:00 p.m. in the Judy Library.

**"Getting The Most from Your Time"** - A workshop sponsored by the Caltech Personnel Department focusing on mastering time management techniques and personal effectiveness. The Workshop will be presented by Cynthia Knight, Sr. Personnel Representative, in Winnett Club Rm. 1 on Thursday, April 30 from 1p.m to 4p.m. To enroll call ext. 3204.

**"Development of Commercial Business in Space: Fact or Fantasy"** - Dr. John E. Koehler, v.p. of Hughes Aircraft Company, will give the presentation in von Karman Auditorium, JPL, on Thursday, April 30 starting at 5:00 p.m. A live video hook-up will be provided in 151 Arms for Campus personnel.

## CAREER DEVELOPMENT

**Seniors!** Keep an eye out for the Career Development Center's annual survey. It's very important that they hear from everyone about their plans after graduation. All information is confidential, so please fill it out and return it. Surveys will be mailed in mid-April (P.S. If you need help figuring out what those plans are, they can help.)

There are still companies coming on campus to conduct interviews. Stop by the CDC office to sign up and to look at our other job resources, including job listings, job database, and employer directories. The Career Development Center is open from 8-12 and 1-5. We're located in 08 Parson-Gates, x6361.

**GE Corporate R&D** is seeking graduating seniors to apply for a Research Analyst/Associate position involving computer-based financial modeling.

**Columbia Business School** is offering the Chazen Fellowship for college seniors who plan a career in international business. An application can be obtained by calling (212) 854-5567.

We sometimes get requests for students to do translations and language tutoring. If you're interested in getting paid to do these, sign-up with Carol in the CDC. She will keep your name on file, and when a request comes in, she'll try to contact you. We have a specific request from XEROX in Pasadena for a brief Arabic translation. Stop by the CDC for more information.

## SCHOLARSHIPS &amp; FELLOWSHIPS

The Financial Aid Office has applications and/or information for the following scholarships. For a complete list of all scholarships check the bulletin board next to the bookstore or check the bulletin board in the Financial Aid Office. All qualified students are encouraged to apply. Our office is located at 515 S. Wilson, second floor.

**Merit Awards for 1992-93** - Each year, the Scholarships and Financial Aid Committee awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 25 Merit Awards of full or three-quarters tuition and 14 honorable mention awards of \$5,500 each. The level of the awards this year will be determined by the caliber of the applicants. Applications are available in the Financial Aid Office at 515 S. Wilson. The deadline for submitting completed applications to the Financial Aid Office is 5:00 p.m. on May 1, 1992.

**The Ebell of Los Angeles** is offering undergraduate scholarships for the 1992-93 school year. The amount of the scholarship is \$3,000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. citizens, LA County residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. LA county residents may be proven by in-school attendance. All applications and materials are due in the Financial Aid Office by 5:00 p.m. May 15, 1992.

Applications are available for the **Orville Redenbacher's Second Start Scholarship Program** for the 1992-'93 academic year. To be eligible a student must be 30 years or older at the time of the application, be enrolled or enrolling in a degree program, be either a full-time or part-time student and attend an accredited university. All applications must be postmarked by May 1, 1992.

The **Society of Women Engineers** announces its 1992-93 Freshman and Reentry Scholarship Programs. This year they are seeking applicants for seven scholarships totaling \$8,500. Applications including supportive materials, must be postmarked on or before May 15, 1992.

The **1992 Society of Consumer Affairs Professionals in Business (SOCAP)** applications are now available. Completed applications must be received by May 15, 1992.

Two new scholarships are being offered by **Bolla Italian Wines and the National Italian American Foundation**. The scholarships, each in the amount of \$5,000, will focus on diverse areas of International Studies with an emphasis on Italian Business and Italian-American History. Applications can be of any nationality, and must be at least 21 years of age upon the awarding of the scholarship, and have a 3.0 GPA. The deadline for the application is May 31, 1992.

The **Jewish Family and Children's Services (JFCS)** announces the availability of grants, scholarships and loans for Jewish individuals and their families. For more information contact the Financial Aid Office.

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