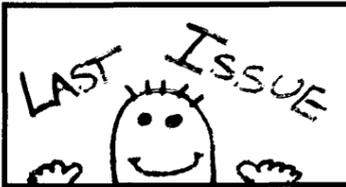


SEE Pg. 12
FOR TEACHER
AWARDS!

The California Tech



VOLUME LXXXIX NUMBER 29

PASADENA, CALIFORNIA

FRIDAY 27 MAY 1988

More Changes In Catalogue

by Gary Lorden

The Faculty Board voted on May 16 to make several changes in next year's catalog which were proposed by the Deans and UASH (Undergraduate Academic Standards and Honors Committee).

The Committee had for some time been discussing the idea of scheduling Drop Day earlier in the term. Many instructors favor this and the Deans consider that it is likely to spur students who have fallen behind to work out rescue arrangements earlier. At the same time, many students, including those on UASH, are concerned about maintaining the flexibility to drop a class based on grades and other mid-term indications.

UASH's proposal balanced these concerns by setting Drop Day in the middle of the 7th week each term. But in the discussion at the Faculty Board meeting, Sam Weaver argued that this would not allow all instructors enough time to grade mid-terms and give feedback to the students. His view was supported by some of the faculty, and a compromise was worked out, scheduling Drop Day in the middle of the 8th week.

Another proposal by UASH dealt with a limitation on "E" grades. In recent years, the Regis-

trar, Deans and UASH have seen the grade of "E" come to be relied upon too heavily by some undergraduates and their instructors.

To promote a more cautious and equitable use of the E grade, a new rule was passed, requiring the Registrar to keep a running count of E's given, informing undergrads once they have received 6 or more (not counting any E's before Fall, 1988). If in a subsequent term a student in this category is awarded an E, the Registrar will promptly ask the instructor to reverse it, i.e. to change it to a regular grade without counting any work done after the end of the term.

Before reaching the 6 E limit, a student awarded an unwanted E should promptly ask the Registrar to request a reversal. Such E's will not be counted. In any case, instructors will be expected to inform the Registrar (and not give E's) in cases where grading is delayed by the work was completed on time. Moreover, grades of "I" can be authorized by the Dean or Associate Dean in cases where major illness or emergency prevents a student from completing his or her courses by the end of that term.

Additional changes proposed by UASH and passed by the Registrar are listed on page 9. Please see CHANGES, page 9



In a heartwarming ceremony at his retirement party last Wednesday, Dean Gary Lorden gives co-Dean Marda Collett the coveted "Dean's Cup." More photos on page 10.

ALEX ATHANASOPOULOS

Thanks, Dean Gary

by Stephen Lew

"The fun of the job is getting to know the students better," says Gary Lorden about being Dean of Caltech.

After four years of meetings, conferences, and drop cards, Gary Lorden has decided to step down as Dean and return to full time

teaching. "This is something I've thought about for a while," says Gary, "I still enjoy being Dean... but I really want to get back to research and teaching."

Lorden started his career at Caltech as an undergraduate and later returned to teach and finally become Dean. "Four years ago, I was a member of a Search Committee to choose a new Dean. Like all the members of the committee, I made it clear that I didn't want to be considered," recalls Lorden, "Through a complicated series of events that I don't know about... I was convinced to take the job." His

daughter was entering college at the time, and Gary mentioned this as a factor in his accepting the position of Dean.

As Dean, Lorden has had a big impact on student life. Not only is he available to talk to, he is actively involved with students and student affairs. Students can thank Gary for helping to change the graduation requirements (reduction of the number of units), and the improvements to the academic calendar (longer vacations and pre-finals reading week). Making big changes like these didn't happen

Please see GARY, page 8

Reduced Classes

by Chris Brennen

In 1986/87 a faculty committee chaired by Professor Sunney Chan held extensive discussions with the undergrads and faculty on the matters pertaining to undergraduate education at Caltech. One of the recommendations of the Chan Committee report was that consideration be given to a reduction in the total number of units required for graduation. Currently, 516 units are required for graduation (except for Math and Applied Math which require 483 units).

A similar recommendation was put forward by a panel at the 1986 Student/Faculty conference. By November 1987, the faculty board set up another committee, chaired by Professor Chris Brennen, in order to discuss the implications of such a change with the various options.

The results and recommendations of the Brennen Committee were presented to the faculty board at their May meeting. The two basic recommendations which were voted on and passed by the Faculty Board read as follows:

[1] The Faculty board adopted a uniform policy for all options limiting the total number of units required for graduation with a Bachelor's Degree to a maximum of 486 units.

[2] The Faculty Board adopted a redefinition of the number of units constituting an overload. This will now be 55 or more units for upperclassmen and 52 or more units for freshmen. Approval of overloads will require the signature of the Dean or Associate Dean as well as the advisor.

These changes will be included in next year's catalog and will therefore become effective in the fall term.

One of the motivations for these changes was the belief that students should learn the material in greater depth rather than attempting to take many courses. This is particularly true during the freshmen year where the pass/fail system tempts the student to accumulate as many units as possible without threat to his or her grade point average. The changes in the overload definition and procedure constitute an effort to reduce the number of units taken by students, freshmen in particular.

The Brennen Committee also endorsed a recommendation of the Chan Committee to remove the computer requirement from the graduation requirement. The Chan Committee based this recommen-

dation on the fact that many entering students do not have computer proficiency, and that the computer science courses offered to fulfill this requirement did not "make allowances for the students' deficiency."

The Brennen Committee also felt that the current course load left little time either for reflection of the fundamental issues of science and engineering or for the kinds of extra-curricular activity which are an important part of the undergraduate experience. Though the changes proposed are relatively small, it is hoped that they will provide needed flexibility in the undergraduate program allowing students to pursue additional scientific, engineering, and other goals.

ASCIT Elections

by Jeff Flint

Just when you thought that Caltech would be excluded from the excitement of election year politics, another ASCIT election pops up. Yes, it's time to elect junior and senior class officers for next year.

The offices to be elected are Senior Class President, Senior Class Secretary/Treasurer, Junior Class President, and Junior Class Secretary/Treasurer. The Senior Officers are in charge of Ditch Day, the Commencement Speaker Search, and the Senior Gift.

The Junior Officers are in charge of beginning the Commencement Speaker Search and organizing a frosh/sophomore event first term. More accurate descriptions of these offices can be found in the *little-t* or from the current office holders; Rich Arrieta, Van Eric Stein, Tom Bewley, and Chris Chu, respectively.

In addition to these elected offices, the ASCIT BOD will be appointing two people to the Coffeehouse Users Group (CHUG). These appointees will represent the students and their concerns to CHUG.

Sign-ups for all these offices are open now on the MOSH's Office door. Nominations for the Class Officers are open until June 3rd, and the election will be held on Monday, June 6th (to give you some practice for voting in California's primary the following day). Candidates' statements for publication in the *Tech* are due in the *Tech* office, SAC 25-58, by Tue., May 31.

Nominations for CHUG Appointees are open until the next BOD meeting, which is 10:30 pm on May 31st, at which time the BOD will make its appointments.

TQFR/CLUE Now

by Richard Reid

On Wednesday many of you received a letter requesting that you write a short review of a class in which, I hope, you are registered. These reviews will be compiled over the summer to form the C.L.U.E. (Course Listing of Undergraduate Education).

Therefore, about 10% of you are fuming at hmmm, the Office of the Director of Academic Affairs (yeah, that's it) for having given you yet another thing to do before going home. So sorry.

Please note that this is the first and last time that reports will be written by people chosen by the Director. In the future the job will not be yours unless you volunteer to be ombudsman in a particular class. If everything goes according to plan the professor will ask for ombudsman volunteers at the beginning of term. If you volunteer, bingo, the job is yours.

The purpose of this article is to clarify a few points.

1) Reviews are for this term only. If your letter did not specify which term you should review, it was accidental.

2) In large core classes (Ph1, Ma2 etc.) I did not send a letter for each section. In the future we may choose to review sections separately, but for the prototype this did not seem necessary. In smaller classes however, Bi, Lit, and Pa specifically, different sections are totally different courses. A letter was sent per section in these cases.

Consequently, if you are in such a class and received a letter it is intended that you review only your section.

3) If you can and will write the review requested, try to send it in by Wednesday of next week. If you have dropped the class or for some other reason cannot write the review, please, please, please, please...respond immediately!!! You are the only person writing the review in your class/section so if you don't respond, it will go unreviewed.

I need to know so I can find someone else and give him a reasonable amount of time to write it. If you do not respond by June 1, I will assume that you have accepted the task and I will expect your summary before you leave for the summer. The address once again for reports or refusals is 41-58.

4) Be as objective as possible and try not to be flippant. Feel free to ask others in the class for input if you wish. You are probably not the ombudsman in the class and collaboration will help solve the single data point problem. Furthermore, if you feel like writing something about a class but did not receive a letter, write anyway.

Writing the review is not a difficult job and shouldn't take more than half an hour. Your fellow students will greatly appreciate your effort. Thank you, and enjoy your summer vacation.

The California Tech

EDITORS—Eric Fung • Stephen Lew • Chandra Tucker

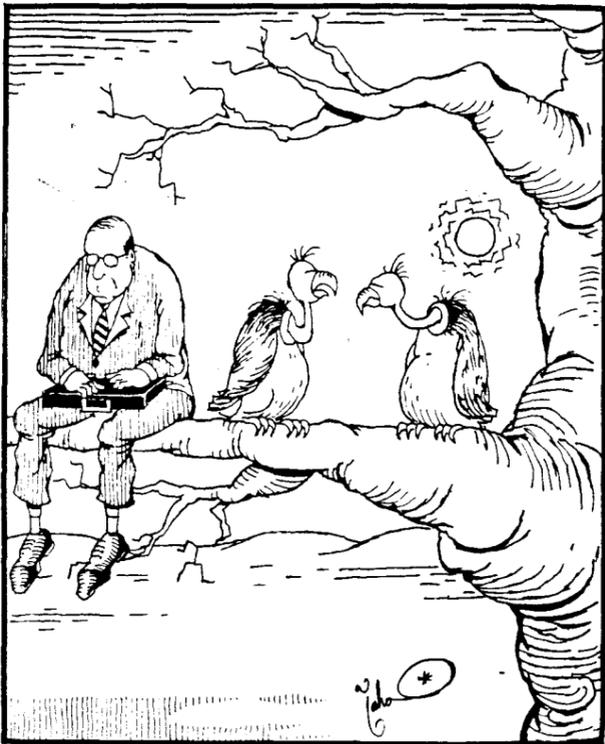
ENTERTAINMENT
Andrew Hsu

SPORTS
Scott Kister

PHOTOS
Alex Athanasopoulos

ANNOUNCEMENTS
Josh Kurutz

Odyssey 31 © L. Taha 1988



Him? Oh, he's one of those personal injury lawyers.

Women In Science

by Bob Sweeney

The relatively recent entry of women into science has forced schools to address the problem of disproportional representation on their faculties. In order to better understand the nature of this problem, each of the ten women faculty at Caltech (as of April) was approached for an interview on the subject.

The following article is a compilation of the responses from seven women who granted interviews. These interviews, however, had the condition that no name be used.

The women interviewed generally agreed that low numbers of women in science are not due to blatant discrimination by men, but rather to personal choices by women not to pursue such careers. The situations which lead to these choices do, however, arise from discrimination of a more subtle and unintentional sort.

Science has been set up for decades to make white males comfortable; the same can be said for industrial settings. Women encounter serious problems when they try to fit into the existing system because it was not designed with women in mind.

Reasons behind the decisions of women not to enter science include motherhood, socialization and the expected quality of life. Motherhood causes difficulties because mothers are still the main

caregivers in families and may remain so indefinitely. Being responsible for the care of children often does not allow one to plan far into the future or concentrate strongly on present research.

Men can often afford to combine both family and a career because they have housewives. Having a housewife may be a "mental health requirement," but one which very few women can fulfill. One faculty member explained that strongly motivated women are usually attracted to strongly motivated men, while many strongly motivated men want housewives. Househusbands are rare.

Socialization, from birth to adulthood, raises barriers to women. Examples of problems attributed to socialization include the fact that "women were never taught how to lead." It's very difficult for women to handle hostility, while men are conditioned for it. Since "you can't run a lab if you expect to be liked" and "some men have a hard time listening to a woman as an authority," this conditioning obviously interferes with the ability of women to lead research groups.

Also due to socialization differences, some men "have a stronger sense of entitlement" which women lack due to a mind-set that starts in grade school. Men have the luxury of assuming that the science they find interesting must be worth-

while. Women, on the other hand, are challenged (on the basis of their gender) on their inherent ability even to comprehend science.

Research of both quality and quantity requires much work, and the quality of life beyond the lab is often perceived to be quite low by women considering a career in science. Of course, this problem is common to both women and men, although "a lot of men are a lot more committed to their careers than most women would want to be."

Among the women interviewed, however, the self-perceived quality of life spanned the spectrum, as did the length of work weeks (40 through 70 hours/week). "Most often, standard ideas of personal life have to be put off a bit," but this doesn't necessarily lead to unhappy lives.

If these barriers to women in science are eliminated, then what? Will the inclusion of more women in research change anything? Here, history provides an interesting model in the humanities and social sciences, since women have had access to these disciplines for decades. Women have opened new paths of research in fields such as literary criticism and history, including the history of science. It is therefore reasonable to expect that women may realize new approaches in fields of science and engineering; some effects are being felt already in biology.

please see WOMEN, page 10

letters to the editors

OPEN LETTER TO THE JUNIORS: Graduation

Juniors—thank you to all who returned my survey for the junior class's graduation speaker. I've spent quite a bit of time reading them and have submitted a request to the faculty committee based on the results.

First of all, I'd like to say that the returned surveys varied tremendously. Because of this, I treated the results as a survey of opinions and not a strict election process. I settled for the best compromise I could. If you have strong disagreements with the decisions I made, please come talk to me—nasty letters in the *Tech* vent steam but don't change anything. Although I have already submitted a request, I am still taking opinions on the subject. The graduation committee and the president won't be making their decisions until summer.

I tried to get a speaker whom people would find, at best, interesting, or, at worst, not offensive. This ruled out political figures and comedians.

Sports figures were very highly considered by some, but overall

interest in them seemed low.

After many years of local figures speaking here, such as alumni and professors, it seems it would be refreshing to get someone from outside the Caltech community.

The realistic considerations seemed to rule out news announcers—they are professional speakers and the best charge more than administration is willing to put out. Walter Cronkite recently quoted \$40,000 as his price to speak; it seems that the most we could budget is \$10,000.

Another consideration is that some speakers demand honorary degrees to speak. Caltech flat out will not give such degrees.

Some celebrities just don't speak at such events. Sorry, Dabney, but Woody Allen remains strictly on this list.

Thus, the list was narrowed. The three names on the list that received consistently the best response, and thus were entered on the list I submitted, were Neil Armstrong, Leonard Nimoy, and Isaac Asimov.

I took the liberty of adding a name that was not on the survey, but was suggested to me by a few people. Sally Ride, with a combi-

nation of talents including a background at Stanford and her work with NASA, seemed to fit the overall interest best, and thus was put at the top of the list of four that I submitted.

Hopefully, President Everhart will take our wishes into account more than the previous administrations. Such a response would be a major step in improving student-administration communication.

—Thomas Bewley, Junior Class President

—Chris Chiu, Junior Class VP

Antisocialist?

To the Editors:

There are far too many antisocial forces at work around the undergraduate houses at Caltech. Teachers living there are frequently encouraged, most notably by a flyer in the *Coffeeshouse[sic.]*, to call Security when they see non-teachers about. There were no prefaces in these fillips admonishing students to question the real threat such people may pose.

I believe these "warnings" express an unhealthy attitude - one that teachers probably would prefer to do away with. We should receive well those who want to

share in our admittedly different lifestyle. This is not to say that the presence of "outsiders" should not be noted carefully, since frequently such notation has prevented personal harm and property damage in the past. Rather, those who clearly present no danger to the community should be welcomed instead of brusquely ushered out as criminals.

People casually passing through Caltech are frequently quite personable and interesting. Meeting campus visitors can be a rewarding experience that has the potential for establishing enduring contacts. We should take advantage of these opportunities rather than discourage them.

—Josh Kurutz
Undergraduate

Sam Custom Tailor

SEE OUR NEW LOCATION
3519 E. COLORADO BLVD
PASADENA
(818) 793-2582

ALTERATIONS
RESTYLING
TAILORING
INVISIBLE REWEAVING

Special rates for Caltech/JPL community

ASCIT FRIDAY NIGHT MOVIE

CAVEGIRL

BAXTER LECTURE HALL 7:30 & 10:00 pm
\$1 for ASCIT members \$1.50 for others

NEXT WEEK *The Princess Bride*

Science Fiction, Fantasy
& Horror Novels, Dr. Who
& Oz, Games & Gifts.

PLANET



79 N. RAYMOND AVE.
PASADENA, CAL. 91103
(818) 577-9309

THE CALIFORNIA TECH

Volume LXXXIX • Number 29
27 May 1988

REPORTERS

Chris Brennen • Ian Dutton
Jeff Flint • Ron Goodman
Josh Kurutz • Gary Lorden
Chris Myers • Mark Montague
Richard Reid • Brad Scott
Bob Sweeney

PHOTOGRAPHERS

Alex Athanasopoulos

PRODUCTION

Nick Smith

BUSINESS

Jimmy Yang

CIRCULATION

Gavin Claypool
Eric Fung
Andrew Hsu
Stephen Lew
Michael Keating

THE CALIFORNIA TECH

25-58 SAC

California Institute of Technology
Pasadena, California 91125

Phone: (818) 356-6154

Published weekly except during examination and vacation periods by Associated Students of the California Institute of Technology, Inc. The opinions expressed herein are strictly those of the authors.

Letters and announcements are welcome. All contributions should include the author's name and phone number and the intended date of publication. The Editors reserve the right to abridge and edit letters for expediency, literacy, or other.

Turn in copy (preferably on an IBM-compatible, WordStar-formatted floppy disk) to the *Tech* office mailbox, room 40A in the SAC. The deadline for copy is Wednesday at 5 PM; for announcements, Tuesday at 5 PM. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business manager. Rates are \$3.00 per term, \$8.00 per annum (three terms). Special rate for life subscription: \$75.

Printed by News-Type Service, Glendale, California

ISSN 0008-1582

Ethanol: Friend or Foe?

by Josh Kurutz

Alcohol abuse is a problem on the Caltech campus. Some claim it is as serious a situation here as at most colleges across the nation. Others contend it is not quite as extensive here. Whichever the evaluation, alcohol-related issues are a major concern of the Caltech administration, whose views on the matter are reflected in its dealings with the student population.

"In places I have been, normally much larger universities, there have been considerable alcohol problems," said Caltech President Thomas Everhart. He acknowledged that he has communicated with students and faculty to investigate this aspect of student life as applied to Caltech. "I don't think it's a severe problem," he said.

Conrad Mainwaring, Associate Master of Student Houses, deals directly with those who have got-

ten into trouble (legal, medical, and personal) because of alcohol abuse. He observed, "The majority of students at Caltech have control over their drinking or drink in a controlled fashion. They tend not to do anything harmful or destructive."

Still, people exist whose behaviors do not fit this pattern. "There is a small minority of people whom we're concerned about. They are the students who have a problem with drinking," said Mainwaring, noting, "You do not have to be an alcoholic to have a problem with drinking."

Serious Problems

The A-MOSH said that he deals with problems stemming from the abuse of alcohol on a weekly basis. These cases involve sexual harassment, violent and destructive behavior, personal injury, suicide, and drunk driving, to name but a

few.

The frequency of these situations plainly shows that they are only partially contingent upon excesses experienced at parties. Many of the cases are indications of ongoing problems with coping with life and/or alcoholism.

Serious predicaments also arise when alcohol is abused on campus by people not of the Caltech community. Two notable examples of this are the Fishbone concert of two years ago and last year's Interhouse. During the former, over 28,000 dollars' worth of damage was done in various laboratories and houses by people from off campus who were drunk. The Interhouse conflict involved the assault of three undergraduates by people not associated with Caltech who were seen to be under the influence.

The Concerns

The administration has expressed interest in the issue of alcohol primarily out of concern for the students' well-being. Other reasons for addressing the issue are pressures from the federal government and worry over the Institute's liability.

Displaying an attitude seen in several administrators, Jim Morgan, Vice President for Student Affairs, said, "Our concern is for students who are at an age at which they are particularly susceptible to harm."

Mainwaring reported that, since most of the incidents he deals with happen on campus, there is great worry about what will happen to those students when they leave the Institute. Indicating similar long-range concern, Dean of Students Gary Lorden imparted, "There is tremendous interest on the part of the faculty in the students having a good environment for being responsible."

Everhart showed concern for students who may become alcoholics; he cited that a small percentage of the population at large is predisposed to becoming alcoholic because of hereditary factors. "If one or two people become alcoholic out of 850 undergraduates, that seems to me an unacceptable percentage. We're not talking about statistics, we're talking about people's lives."

Federal Considerations

Part of the reason recent attention has been given to alcohol problems is that pressure has come from the federal government to do so, according to Morgan. "In order to receive federal money, we are required to have a drug abuse policy. Every college has an obligation to educate people about the down side of drug abuse. We have to make sure that people have access to counseling."

To accommodate this demand, Caltech hired Vivian Brown as a

Please see ETHANOL, page 10

Jesse Jackson Visits Pasadena

by Chris Myers

"When he wins, you win!" is the theme behind the campaign to elect Jesse Jackson President. Tuesday night Jesse Jackson spoke to a packed gymnasium at the New Revelation Baptist Church.

The program was scheduled for 7 to 10 o'clock. Unfortunately, Reverend Jackson was delayed and the air conditioner was not functioning so the audience had to wait in the stuffy gym. This, however, did not seem to dishearten anyone because they understood the tough schedule Jesse has had to keep.

At 9:00, the church's choir sang gospel music, and at 9:30, the program began. The first person to speak was the Pasadena City Director. He began by recounting an anecdote about two farmers discussing Jesse Jackson.

One farmer tells the other about all the great things Jesse wants to do for the farmer. The other farmer responds, "Yes, but he's black." To this the first farmer says, "But the people taking your farms are white." His point being that whites have been slow in realizing Jesse Jackson to be a viable Presidential candidate.

A few more people spoke briefly, but they decided to cut the program short and just let Jackson speak because he was tired. His exhaustion did not show in his speech. Jesse's voice was powerful and his words invoked strong emotions. The crowd was very enthusiastic and excited, at times chanting, "Jesse!" while at other times just sitting quietly and listening to what he had to share with them.

Jesse began his speech by telling about how the success of this campaign has brought a rebirth of hope in this nation. "Hope is the most powerful thing." He said with hope any obstacle could be overcome.

A big concern of Jesse's on this campaign has been drugs. He promised that as President he will stop the supply, but that we, the people, must stop the demand. He said that he plans to do this with stricter drug enforcement laws and an enlarged Coast Guard. Jesse calls the drug pushers terrorists which must be fought as such. He asked us to "Get hope, give up dope, and give life a chance."

There has been a lot of debate about whether Jesse Jackson is qualified to be President since he has not held a political office before. Jesse argued that the only qualification for President is to be someone who can be a model for the people. He argued that if Truman could be President, Roosevelt from a wheelchair, even someone like Nixon, or someone who doesn't know what yesterday was, then he sure could as well.

Jesse said that he wants to integrate the cabinet, and get an Attorney General who would be a prosecutor not a defendant. He plans to make Justice, "just not just ice." He wants "to ease into government and get the sleaze out of government."

Jesse added that he wants to turn the government onto the interests of the people. He used the example that one year of school costs \$3,000 while one year in the city jail is \$20,000, and four years at a state college \$30,000 while four years at a state penitentiary is \$120,000. Education is quite a bargain for the taxpayers. As well as public education, he promised programs for prenatal care, daycare, and more teachers. "We're not asking for welfare; we're just asking for a fair share."

"Jesse, what do you want?" asked a member of the audience.

He answered, "I want peace in Central America. I want peace in the Middle East. I want the end of

Apartheid. I want Reagan and Bush to leave Washington on the same plane! And, I want a new home."

People have said that Jackson does not understand the plight of the people; he is just a face on T.V. His answer to this was that he just might understand. He was born to a teenage mother who was born to a teenage mother. He never knew his father. He lived in a three-room house heated by a wood stove which was also used to cook dinner on. On Thanksgiving, he didn't get dinner at 3:00 because his mother was making it for someone else at 3:00. He got leftovers at 8:00. "I was born in the slum, but the slum was not born in me."

Jesse ended his speech by attempting to dispel the myth that he could not win. "We've been winning every day." He has won in such places as Virginia, Alabama, Mississippi, Washington D.C., and Michigan.

The crowd literally hung on every word he had to say. Jesse has surprised a lot of people with his success this year. Although this may not be the year for his election, he is young and should be back in the years to come. Furthermore, he is going to be a force to be reckoned with in the Democratic National Convention. The Democratic platform will have to contain some of the programs Jesse has been asking for. A victory in California would make him even more influential at the convention.

The San Gabriel Valley Committee for Jesse Jackson has several other events planned for the area for Jesse Jackson. Campaign Headquarters is located at 235 E. Orange Grove Blvd. (at Marengo), phone (818)405-9135. Campaign organizers are looking for volunteers to help with mailings, organize precincts, or make phone calls.

ENGINEERS OVERSEAS

DON'T:

- wear a suit and tie
- shuffle papers and answer phones
- sit at a desk all day

DO:

- live in foreign countries
- work outdoors
- take charge
- make decisions
- face many challenges
- bear heavy responsibility
- work long hours
- operate sophisticated electronic equipment
- record information on oil and gas wells
- interpret that information

ENJOY:

- being their own boss

THIS JOB IS NOT FOR EVERYONE - BUT IT COULD BE FOR YOU!

Schlumberger, the world leader in Wireline Well Logging has immediate career opportunities **Overseas** for individuals with an **M.S.** or **B.S.** degree in **Engineering, Physics** or the **Geo-Sciences**, excellent scholastic record, hands-on aptitude and 0-3 years work experience.

OPENINGS FOR PERMANENT OVERSEAS POSITIONS

For more information, please contact:

Schlumberger

SCHLUMBERGER-INTERNATIONAL
2707 North Loop West, Suite 1090
Houston, TX 77008

1-800-222-1587 (U.S.A. outside TX)
Collect (713) 863-9673 (TX and Canada)

Schlumberger... Exceptional People
Exceptional Technology

An equal opportunity employer

Macintosh Expert Needed

Commodities Firm has an opening for an applicant who knows Page-Maker, Flexware, Overview, Lotus and/or other related systems.

Consultant basis/summer job/long term potential.

Please call: Michael Stark, executive vice-president. (818) 444-2531.

entertainment

Men Go Pop

by Ron Goodman

A few years ago a band from Montreal released their second album, *Rhythm of Youth*. The band, **Men Without Hats**, hit number one with the single "Safety Dance", but didn't get airplay for the rest of their album. Even though it was the band's second album, the industry saw Men Without Hats as one of the many 80's bands that had a single hit before they sank into oblivion.

The group did not agree with industry and in early 1988 released an incredible album entitled, *Pop Goes The World*. Last Friday at 8 P.M. the band hit the stage at the John Anson Ford theater as part of their U.S. *Pop Goes The World* tour. It was a mixed blessing that so few people realized how good the band was beyond their one famous release. Only 500 people attended the concert, meaning about 4 billion people missed it. But the small size allowed an intimate setting close to the stage that would have been impossible at a bigger concert.

The band started with the first song on their new album, "Intro." This short piece immediately set up an exciting mood. Although they broke from the album's order, they played it in its entirety with only a few breaks to play songs from their first album, *Folk Of The 80's Part III*, their second album, and a Human League song.

Their songs were extremely captivating, especially when played live. Powerful rhythms that were as old as music but presented with unique sounds caused their songs to grasp onto you and carry you tightly from start to finish. This was all reflected by the amazing enthusiasm of the crowd during the entire concert.

The band, sporting their No Hats symbol, made it clear between songs that they were not just a "Safety Dance" group. In fact at one point they told the audience that they were actually the Human League. They spoke about what the songs meant. The theme of *Pop Goes The World* was that the new trend in music towards pop (characterized as superficial and shortsighted) was unfortunately reflected strongly in the world. This theme was expressed in the album by describing two fictitious musicians named Johnny and Jenny who were at the expense of morality and artistic integrity, ruthlessly pursuing a career as successful pop musicians.

The title track (the second song on the album) introduced the anxious pop stars and signaled to start of their pop journey. At one point in the song the band even made fun of their own hit, "Safety Dance", which was the band's most "pop" song. The song "On Tuesday", we were told, was an offering to the God of War to appease the God's anger.

The band performed a song called "Walk On Water" for their encore. Despite a rather impressive cheer from a small group, they didn't do a second encore.

Men Without Hats has 7 members. Although they are very heavily oriented towards synthesizers, they do have acoustic and electric guitars as well as acoustic drums. Their songs share a unique sound. Although their songs are typically about depressing topics, they maintain several levels of emotion frequently at the same time. They can at once be depressive, hopeful and sarcastic. The lead singer has a distinctive style. Although a rough description of his voice is a cross between Roger Waters (Pink Floyd) and David Bowie, he truly needs to be heard for an extended period of time to fully be appreciated.

Opening for Men Without Hats were Strange Behavior and The Instigators. Both were impressive for opening bands. Strange Behavior had an interesting sound. They were a group of exceptionally talented musicians with instruments typical to a rock band leaning towards synthesizers. The second opener, The Instigators, had a rougher sound, but had an incredibly energetic lineup. The fans were quite enthused with The Instigators and insistently cheered them on to an encore.

The Men Without Hats concert was the best concert I have ever been to. It was a rare pleasure to see a favorite group from the front row in a small outdoor theater and their playing was an incredible rendition of their recorded studio work. Rumor has it that they will be playing in the Northern California area soon.



SUMMER JOBS

Now hiring 100 students and teachers for a variety of temporary positions. If you have office clerical skills such as Data Entry, PBX, Receptionist, Secretarial, Word Processing, etc. Call for appointment:

Pasadena (818) 796-8559
Los Angeles (213) 386-3440
Sherman Oaks (818) 906-1145
West LA (213) 208-5656
Santa Ana (714) 250-1444

STIVERS
Temporary Personnel



ALEX ATHANASOPOULOS

Concerts Around L.A.

ON CAMPUS:

You can't forget about the Seven House Party on "The Quad" (I thought only pretentious Eastern nose-in-the-air-because-we-have-more-money-than-you institutions had Quads) featuring the world-reknown (I heard of them in Boston) band **The New Marines**. There are a couple of other good shows around on Friday night, but hey, do they come to you??

OFF CAMPUS:

Well, if you're reading this paper before 11:30 Fri. morning, then you still have time to make it over to the free KROQ noontime concert at the John Anson Ford Theatre, today featuring **The Mighty Lemon Drops**. Hey, it's a great deal (it's not actually free - parking is \$3 per car) with a well-known band (if you ever listen to KROQ you've heard their single "Inside Out" more than once). See ya there....Later on tonight, at the very same J.A.Ford Theatre, you can catch another well-known group, **The Fall**. If you are interested in going, see Paul Socolow. He tried to convince me to go, but I want to see the New Marines....**John Cougar Mellencamp** will bring the Midwest (don't worry, I'm not leading up to the same joke I used last time) to the Irvine Meadows tonight (but I don't think he's going to bring all of the Midwest with him - I couldn't avoid using the joke)....At Bogart's in Long Beach, **The Tubes**, a band that needs no introduction, will be performing tonight....Moving on to tomorrow night, you'll catch me at Alcohol Salad to see **Alisa and the Dude Ranch**. I met Alisa two months ago and am in love. She's a great songwriter and has a beautiful voice, and together with a band that has a flavor all its own,

I can't resist. I'm not quite as sure about the other two featured bands, **White Zombie** and **Gothic Hut**, but hey, who can refuse....That's where I'll be, but everyone else is going to catch one of the better punk-oriented bands, **Social Distortion** at the J.A.Ford Theatre. They'll be joined by **Junkyard**, an LA band that I found, well, better-than-average last time I saw them....Well, it's not quite a concert, but it's related to music, so although I'm not quite sure what it is, I'll include it. The **Dickies** will be appearing in person on Sun. at Hollywood Book and Poster or upstairs at Black Cat Records, or both if they happen to be the same place. Anyway, the address is 1706 Las Palmas in Hollywood. Nor is it quite clear why they will be there. It has something to do with the video for their latest single, "Killer Klowns from Outer Space," or the movie of the same title featuring said song, or both. There will be a costume contest (Killer Klowns Costume Kontest?!?) and giveaways, in addition to appearances from the band and the movie. Since this is all a little unclear, the phone number for more info is (213) 465-8764....On Sun. Handlebars will be the place to head for their "123rd Annual Memorial Day Picnic" from 6 to 9 p.m. I'm suspicious about the "123rd Annual" deal, but with the **Bedshredders** as the featured band, I won't complain. And Handlebars is within walking distance at 37 N. Catalina Ave....Another Memorial Day event is the **Reggae Sunsplash** festival taking place at the Greek Theatre on Sun. and Mon. Featured are **Pato Banton**, **Private Domain**, and **Ranking Roger** of English Beat and General Public....On Thursday, June 2, **Treat Her Right** from Boston will be appearing at the Club Lingerie. Unfortunately, it's a over 21 show....

IN THE FUTURE:

For next Saturday, June 4, I already know of at least four shows that will be worth catching - and no "finals week" excuses....Under the stars at the John Anson Ford Theatre you can catch **The Pogues**, an Irish band that, in the words of senior Ken Chaney, "combines Irish folk music with punk." Well, the description fits, and, surprisingly perhaps, sounds great....That same night, the band recently voted LA's best underground band, **Screams for Tina**, will appear at the Zombie Zoo. Call (213) 960-7738 for info on their new location....Madame Wong's in Santa Monica will play host to the legendary (well, maybe not) **Wall of Voodoo** that same Saturday night....Newcomers, but rising quickly, **Underworld** will also appear on Sat. 6/4. Bogart's in Long Beach will host this band which has recently earned a name for itself back East....The newly-established performance-pop trend-setters, **They Might Be Giants**, will be bringing their quizzical (*Totem*-esque) lyrics and inspiring humor to The Palace on Friday, June 10. Definately a good way to Please see **CONCERTS**, page 5

PASADENA SCIENTIFIC & TECHNICAL BOOKS
We Stock Scholarly & Professional Books in:
ENGINEERING - HANDBOOKS - SCIENCES - MATH
AEROSPACE - COMPUTERS - BUSINESS - CODES
NURSING - PSYCHOLOGY - ARCHITECTURE - DESIGN

— We Specialize in:
**FAST DELIVERY • SPECIAL ORDERS
PHONE ORDERS**

M-Thur. 9-6 Fri. 9-5
Saturday 10-4 **794-4499**

1388 E. WASHINGTON BL. - PASADENA

ACADEMY BARBER SHOP

27 No. Catalina, Pasadena
Open Tues.-Sat., 8 A.M.-5 P.M.
449-1681

entertainment



The Caltech Glee Clubs put on another rousing show last Saturday at Beckman auditorium. Everything from Barbershop and twenties song and dance to serious opera was featured in the rousing performance. Pictured here, starting from the top left and going clockwise are the Mens and Women's glee club combining to perform selections from *Les Miserables*, the Caltech Sweet Adds who don't know why they love like they do, and the Caltech Barbershop Quartet who say "Goodbye my Coney Island..."



ALEX ATHANASOPOULOS

ALEX ATHANASOPOULOS

ALEX ATHANASOPOULOS

Amazing Grace

by Bradley Scott

Early last week our inimitable entertainment editor, Andrew Hsu, excitedly rushed over to me at lunch and said, "Hey, Brad I just talked to Kip Meyers from The Back Alley Theatre. They're about to open a new play, and she said that I could send someone down to interview the playwright. Here's her number, you should call her up to set a time."

My first thoughts ranged from "Andrew, I don't have the time" to "Andrew, I'm not sure that I'm interested", but what I said was, "Sounds interesting. Let me see the information that they've sent you." The play sounded interesting and playwrights always sound interesting, at least to me, so I set up the interview and now I get to write a preview feature about the play.

The play, which is Sandra Deer's second full length effort, is called *Amazing Grace* and makes its Los Angeles debut during the first week of June at the Back Alley Theater in Van Nuys. The play's main character is a down-to-earth woman who, in addition to her

more common characteristics, possesses certain psychic powers.

Ms. Deer has always been fascinated by psychic phenomena and did considerable research before writing this play. Much of this research consisted of partaking in sessions with practicing psychics to observe them while they worked. She commented that her research was in no way an attempt to prove or disprove psychic phenomena, but rather an attempt to get a sense of their style. It is this style that she has attempted capture in her main character, Grace.

She found that very few practicing psychics went into a trance during their sessions. She also found that although the types of predictions and observations made by different psychics vary from very general to quite precise, nearly all of them showed tremendous compassion and exuded a "healing quality".

The psychics that Ms. Deer consulted were all recommended to her by word of mouth and were all "career psychics" who used their psychic abilities to support themselves. One might think that this would hamper her research by severely limiting the size of her sample pool, but once she began asking people about them, she found that there are "psychics crawling out of the woodwork".

Ms. Deer said that the predictions and comments made about her by psychics ranged from highly perceptive and quite accurate to somewhat off the wall, but the degree to which she believes in psychic phenomena at any given moment is affected more by her frame of mind when she wakes up than by any phenomenon that she might witness later in the day.

Although the main character of her play, *Grace*, is a psychic, Ms. Deer did not write the play with either a believing or disbelieving audience in mind. Instead, she wrote the play to appeal to anybody who finds the world of psychics fascinating and has tried to accurately depict this world without passing judgment on whether or not psychic phenomena exist.

Part of the play's appeal when it played in Atlanta and St. Louis was its depiction of channeling. Channeling, of course, is the psychic affliction from which Boopsie in *Doonesbury* suffers. Interestingly, the entity which channels itself is not necessarily the ghost or spirit of anyone who has previously lived, and indeed, the entity which channels through *Grace* in this play is such a completely non-human entity.

The play, which the playwright describes as often funny but not a comedy and moving but far from a heavy drama, plays at the Back Alley Theatre Thursdays through Sundays until August 14th. For more information call (818) 780-2240.

Dolby Live!

by Mark Montague

Thomas Dolby is a ham. Watching him perform from less than six feet away makes it clear that he puts a lot of effort into making his facial expressions please the crowd.

At the Roxy on Wednesday, I had the good fortune to be able to see his eight o'clock show from just that point of view. I just barely had that good fortune, in fact, since I bought the *last* ticket from Ticketmaster, much to the chagrin of the six friends I'd gone to get tickets for as well.

It's not surprising that the show sold out. The two times I've seen Dolby, he's put on a perfected but

energetic performance of his music without losing the benefits of club variations.

As far as his music went, the majority of his songs were played exactly as they sound on his album. I suspect that he makes an effort not to use any effects in the studio which he can't bring on tour.

His play list covered mainly his new album *Aliens Ate My Buick*, but he did play his best known songs from his older albums, including "She Blinded Me with Science," "Hyperactive," "Windpower," "Europa and the Pirate Twins," and "One of Our Submarines." These were augmented by, or added to, essentially all of *Aliens Ate My Buick*, in fact every song except "Budapest By Blimp."

For those of you dumb blondes, err, I mean intelligent young women who are offended by the lyrics of "Airhead," you can rest assured that Dolby, is, ahem, properly castigated by Laura Creamer.

who does percussion and backing vocals.

Speaking of the Lost Toy People, they also ham it up quite a bit as well as playing par excellence. In addition to providing excellent backing for Dolby, each band member's solos were amazing. Musically, a live Thomas Dolby show loses nothing from the sound of his albums, and, naturally, gains the intensity typical of live performances.

Thomas Dolby was at least as much the leader of the "hamming it up" as he was of the stage show. He started the show in a purple felt top hat, little rectangular hippie-sunglasses, and a long coat, but eventually ended up with the "pro-wrestler" look of a blue and white striped spandex wrestling suit. Anyone interested in noting how well-endowed Dolby is will be accommodated by this outfit, but I certainly wouldn't wear that in public. Shrug.

Despite his marginal outfit, though, Dolby put a lot of effort into providing an interesting show, through the use of amusing commentaries, varied and interesting facial expressions, and interesting gymnastics. In support of this, his band provided Terry Jackson on bass for moral support and gymnastic help, Laura Creamer on vocals and percussion for acting on "Hot Sauce," "The Key to Her Ferrari," and "Airhead," and keyboardist Mike Kapitan for dancing crazily around the stage.

All in all, I found Dolby to be an excellent musician, and I recommend his shows for his music alone, and even more I feel that

Concerts, cont.

from page 4

reward yourself for another term well wasted.... The J.A. Ford Theatre will host the **Butthole Surfers** on Fri. the 10th. Is there anything to be said?... The **Dickies**, celebrating the movie named in honor of their single "Killer Klowns from Outer Space," will be performing at Bogart's on Sat. 6/11. If you're still around, you can't use "too much work" as an excuse not to go.... **The Mission UK** (they're not from England, are they?) will be outdoors at the J.A. Ford Theatre on Thu. 6/16.... Looking down the road, another one of Boston's up-and-coming bands to watch will be at the Club Lingerie. **The Throwing Muses**, whose album "House Tornado" enjoyed bonus college chart action, will be stopping by on Fri. 6/17 and Sat. 6/18.... And finally, don't forget the Concert for the Masses at the Rose Bowl on Sat. 6/18 featuring **Depeche Mode**, **OMD**, **Wire**, and **Thomas Dolby**. Any available seats are not guaranteed to be in Pasadena (do you know how big the Rose Bowl is?), but KROQ has been finding new and innovative ways to give away tix (ex. bring cans of food to the grocery store, find this guy somewhere in Southern Cal and moon him, etc.), and KROQ's seats are likely to be better than the ones we waited in line for hours to pay \$26 for were.... On Sun. 6/26, **Men Without Hats** will be stopping by at the Strand. Tickets will probably go quickly, so call (213) 316-1700 for info....

by Ian Dutton

Rag Time

On Green
RESALE CLOTHING
for
WOMEN

Mon 10-6, T-Th 10-5, F-Sat 10-3
(818) 796-9924
1136 E. Green St., Pasadena

AMATEUR PHOTOGRAPHERS ARISE!!!

Have you shot a photo of the Caltech campus that you especially like? Well, here's your chance to see it in print. Work is now being started on the 1989 Caltech Calendar, which will contain 13 color photos of the campus taken by the Caltech community. You're invited to submit your favorite 35mm color slide or color photo to **Dlorah Goforth, Graphic Arts Facilities, Mail Code 17-6, Extension 6705, by June 1.** Winners will receive a free calendar and \$25!

SPERM DONORS NEEDED

Earn up to \$105 per week.
University students only.
Area's largest sperm bank.
Call: (213) 553-3270.

California Cryobank, Inc.
2080 Century Park East #306
Los Angeles CA 90067

Please see DOLBY, page 11

The Inside World

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

Dabney: Brian Lemmoff
 Fleming: Pierce Wetter
 Lloyd: Kurt Storm and Doug Peterson
 Page: Dean Wilber
 Ricketts: Su-Lin Wu

[EDITOR'S NOTE: This will be the last Inside World of the year...]

Dabney: As many of you who follow the Dabney House Inside World have probably noticed, there is one subject that has been conspicuously absent for the past few years. It is a subject which Inside World writers up until now have considered to be inappropriate for this column. This week, I intend to lay to rest the taboos of the past, and blaze a new journalistic trail. Hopefully, this will pave the way for my colleagues and successors to give adequate and fair treatment to one of the most important issues facing society today. The topic, shocking as it may be, is, of course, Mark Foxwell.

Most of us have probably heard of Mark Foxwell. Many of us have probably seen Mark Foxwell. A few of us have spoken to Mark Foxwell, and there may even be one or two among us who actually think we know Mark Foxwell. But how many of us, in all honesty, are willing to actually say the words "Mark Foxwell"? Go ahead, say it three times, "Mark Foxwell, Mark Foxwell, Mark Foxwell."

Try singing the words "Mark Foxwell" over and over again to the tune of "Maria".

There, now that wasn't so bad, was it. The truth is that most people just don't want to admit to themselves that Mark Foxwell exists. Why is it that in an age when people openly discuss venereal disease, halitosis, dandruff, and adult bladder control problems, we are too timid to talk about Mark Foxwell?

Perhaps it is because we don't want to admit to ourselves that the good old U.S.A., which we have all grown to know and love, is actually a fascist, totalitarian dictatorship. Perhaps it's that we don't want to accept the fact that we are all self-centered, narrow minded, CIA brainwashed, automaton slime. More likely, however, is the fear that we may be overheard by the Egyptian Intelligence Agency or their agent, the Pasadena Police Department, which has orders to shoot on sight anybody uttering the name "Mark Foxwell". Perhaps I should have mentioned that fact before I suggested singing "Mark Foxwell"... Aargh...

(Note from the EIA: Such rampant use of the unspeakable word could not be tolerated. We had no choice but to eliminate the blasphemer who wrote this column. His death was extremely slow and painful. We are already well aware of who is reading this, and we have agents watching you constantly, in your room, in the courtyard, in the dining room, in the lounge, at lecture, just waiting to squeeze the life out of you the moment you speak those inutterable words. Go ahead, make their day!)

-Hosni

Please see MORE INSIDE WORLD, page 7

BLOOM COUNTY

by Berke Breathed



NOTICE TO ALL COLLEGE STUDENTS:

Learning days are suspended till September. Earning days are just beginning.

Is this summer shaping up to be one giant veg-out? Instead, turn your spare time into dollars and sense.

Kelly, America's #1 name in temporary services, has a variety of summer positions to choose from. Our flexible scheduling will leave you time to cultivate that world-class tan while earning extra money for that new wardrobe, exotic vacation or even tuition fees. We also offer health insurance, referral bonuses and an opportunity to gain valuable on-the-job experience. You may even like it enough to come back during the semester.

We're looking for real self-starters, so make this summer the best earning experience of your life. Call the Kelly office nearest you.

PASADENA.....818/795-5911
 ARCADIA.....818/447-4982

The Temporary Help People
 Not an agency—never a fee

Equal Opportunity Employer



CENTRAL INTELLIGENCE AGENCY

Get in on the Secret . . . Student Employment with CIA

The Central Intelligence Agency has outstanding student employment programs. All selected students receive a TOP SECRET clearance which allows them to become involved with substantive intelligence projects. This requires a long lead time for processing and an investment of your time and energy. Early fall deadlines for SUMMER '89 opportunities requires us to begin the application process this summer.

To learn about the different programs, salaries, benefits (including roundtrip transportation to the Washington, D.C. area and housing !!!) and requirements, clip this interest form and let us know where you will be over the summer.

If you will be graduating in 1989 and are interested in career opportunities with the CIA, submit this interest form and we will let you know when we will be conducting recruitment sessions in your area.

Personnel Representative
 P.O. Box 3127
 South El Monte, CA 91733

CIA Interest Form

Name: _____
 University: _____ Major: _____
 School Address: _____

 School Phone: _____
 Summer Address (after _____)

 Summer Phone: _____
 Graduation Date: _____

United States Citizenship is Required



The CIA is an Equal Opportunity Employer and encourages applications from US citizens of all races and ethnic backgrounds.



More Inside World

from page 6

Fleming: This week in Fleming House: We Won Interhouse! We Won Discobolous! We Are Gods! Page Sux! Lloyd Sux! Ruddock Sux! Ricketts Sux! Blacker Sux! Dabney Sux! If Marks House were worth mentioning, it would suck, too. When's Animal Meal--Ath team? (Come to think of it, who IS on the Ath team?)

Stop by my room to get into the When Daniels Dislocates His Shoulder Again in Interhouse Football Pool.

The party last weekend was okay, even though the seniors organized it. A busload of Oxy women (that's about three) showed up, not to mention Gerda (who wouldn't talk to anyone but Mike Pottenger, because he was the only one who could pronounce her name--or was it for your hand-cranked Squirmy Rooter TM?) Oh, and it turned out that Daniels isn't a fag--he's just a girl in drag. By the way, Jim, the Secret Fleming Pledge is "NO FAT CHICKS."

The Sophomores continued their Olympiad dominance, sweeping Indoor, unfortunately they were stomped at the last minute by the God-Awesome Juniors. Special thanks to Randy "I got da Motts" Ralph for his stellar coaching of the crew team.

And I'm getting a stereo today.

And, hey, since those hot, hot days of summer are just around the corner, your pals here at the Inside world have some ideal new concoctions for summer fun!

Frosh Olympic Sundae

- 4.5 lbs Dry Ice
- 17 lbs LN₂
- 1 Half-gallon of Fudge-Nut Sundae Ice Cream
- 1 Small Cooler

Directions: Put ice cream and dry ice in cooler. Supercool with LN₂. Serves four dumb frosh.

New Evil Jello™ Recipe!

For this week, it's Spring Strawberry Surprise Jello™.

You will need:

- 1 cup of strawberry schnapps
- 1 cup of vodka
- 2 cups boiling water
- 1 package strawberry Jello™

Directions: Mix the boiling water and the Jello™. Stir until Jello™ is dissolved. Add schnapps and vodka. Chill overnight. Add fresh strawberries and/or extra sugar to taste. Makes one Flem.

Lloyd: Jack wins the lame Road Rallye with a feat of mystical magic manipulation, by turning an ordinary penny into \$25....the Tube O' Destruction claims its twentieth hapless victim....the new R.A. is introduced to the hellish game of Kickball as he witnessed the near fatal blow delivered to one of the frosh by the bloodthirsty Chris Nolle....even a King could not muster enough power to save those freshmen who didn't scam upperclassman roommates--led by Matt, they all moved to Maloney House on Catalina Avenue....those who scammed UCC's as roommates are not responsible for the tragedy, but those heartless frosh living with upperclassmen (kazor, Jimmy, Jazzy) will not live to claim their on-campus rooms, if Matt and Dimitri have their way....Jeitner was beaten to a bloody pulp as the Social Team pummeled him with official Broomball brooms because he called them lame....hundreds of high school fans asked Lloyd House for the signatures of all their members, knowing that we will all become incredibly famous someday....D.J. Jazzy Jeff is #29 on Billboard's top 50, Kool Moe Dee is #33....Henrik Rudolph moves to cancel the Chem 1c final due to his upcoming tour as lead guitarist of the Scorpions, the kick-ass German heavy metal band....an undisclosed number of Lloyd women have signed five-year contracts with G.L.O.W., the Gorgeous Lloydies Of Wrestling....trying to earn a few bucks for grad school, Chris Nolle is certainly a crowd pleaser on the Olive Walk as he brings his one-man rappin' and breakin' show to the Caltech community--he says, "I like spinnin' on my head to the def tunes of The Disko Band, but the freshest rapper by far is Sir Mix-A-Lot"....the left wing of Lloyd went to see Jesse "The Body" Jackson on Tuesday and were awed by his forceful rhetoric and equally powerful pecc....the writers of the Inside World responsible for this bonus stream-of-consciousness format were too lazy to do it any other way.

—THE STORM & D.E.F.

Ricketts:

Hi there, big fella.
Where have you been all my life?

—says a big green thousand armed glob of jelly.

I hate dreams that begin like that. The only thing worse is dreams that have animals chasing me and ending with a cat pouncing on my stomach. Waking up to find Cherries' face two inches from my face is a close second.

The most exciting news story this week--The ice machine, which has been imitating George (i.e. not working) for two weeks, is once again chugging away. To celebrate, we are having a cocktail party Friday night. When I first heard the word cocktail, fifteen years ago, I tried to dissect the word into more familiar words and put them together to find the meaning, like an obedient little girl. What I got wasn't a chilled, mixed drinks of liquor and juice, nor an appetizer of seafood, juice, etc. And people I met at parties seemed to always comment on how delicious their cocktail was.

Anyway, enjoy the party this weekend. Also this weekend--Design a pizza! Win a prize! Design the most disgusting pizza and Cookie will be very happy. I used my curling iron/time machine and found out that the most disgusting pizza will bear a striking resemblance to Josh Kurutz. Fate? Karma?

Since all the other houses are writing about what happens to their graduates after they graduate, okay, fine, I bow to peer pressure. But ha! I can use my curling iron/time machine and tell you for sure what will happen with our Ricketts graduates five years from now....

Charles-- Still a student. The last three units seem to elude him. "Hi Su-Lin. I need practice picking up girls so mind if I... oops sorry about throwing you into the wall there..."

Phyllis-- biologist. "Excuse me, I'm busy designing an animal that looks like a rubiks cube and solves itself even when there is a message instead of color on its side."

Jason-- biologist. "Take a look at this rabbit I made. It grows blond mohawks naturally."

Dave Lee-- computer scientist. "Hi. Sec, heh, heh, I've made a computer generated three dimensional woman. Once I finish the computer generated 3D velvet-lined handcuffs, everything will be perfect!" he says, rubbing his hands with glee. (See, I told you I would.)

Tom Brinck-- Computer scientist. "Ha! Dave thinks his hypercube girl is cool, well, I've got 15 beautiful women, a beach and a barbecue, and me as king in my Sandia Optical Computer. And at 10 billions operations per second, these girls are very responsive."

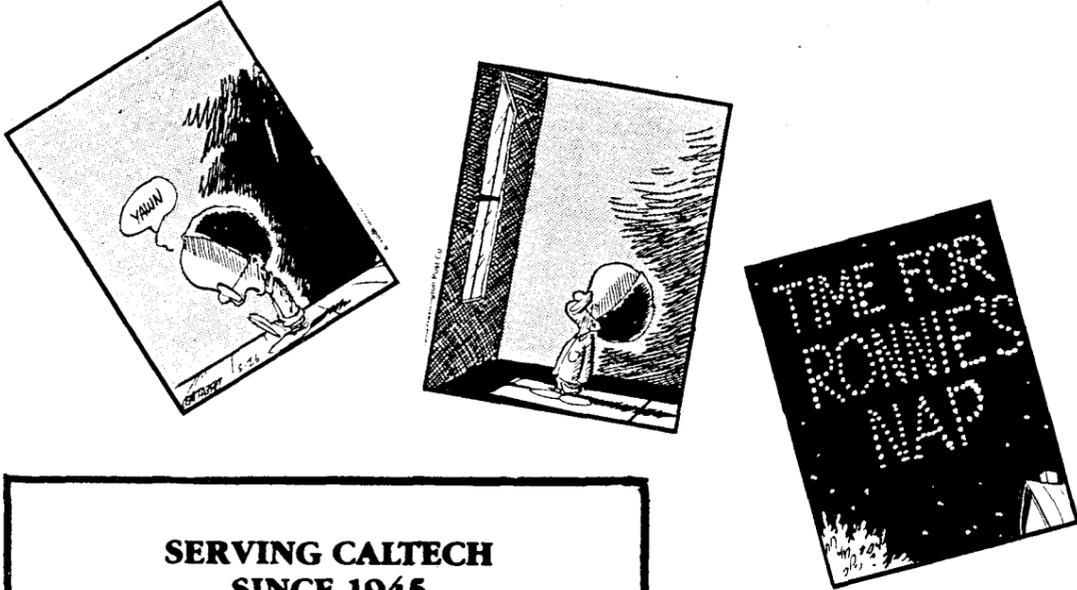
SWaka-- mild mannered aeronautical engineer. "Hi, everyone."
Jed-- computer scientist. "Well, my Cray woman has psychic powers and bigger measurements than either of the other computer girls."

Mark-- computer scientist. I'm going to digitized myself and see exactly how good these girls are. Dave's handcuffs should come in handy."

Windsor-- aeronautical engineer. "Hi."

Next week-- I visit more graduating seniors five years from now. Right now, my curling iron is getting hot and I want to use it to curl my hair.

Later days.
—Pip-Squeek



SERVING CALTECH SINCE 1945

Authorized Agents for Airlines, Hotels and Steamships

H.B. BENNETT
The Finest in Professional Travel Services

(818) 795-0291
(213) 681-7885

CAMPUS EXTENSION
3091

TRAVEL AGENCY

690 E. GREEN ST.
PASADENA, 91101
(between El Molino & Oak Knoll)



PASADENA TABERNACLE

SUMMER DAY CAMP '88

June 20-August 26, 1988

COED AGE 6-12



Arts & Crafts
Swim Lessons
Organized Recreation
Day Trips
Loads of Fun

Fee: \$40-50 Weekly
Call: (818) 795-8639



Rachael Clark speaks at Seminar Day last Sat. Her speech on Cranial Hemorrhage Detection was one of three given by SURF students. Other seminars were given by faculty members.

Gary, cont.

from page 1

overnight, but were the result of years of work. According to Gary, however, his biggest single accomplishment as Dean has been "a lot of little things."

To select a new Dean, there will be a search committee chosen by Jim Morgan, Vice President for Student Affairs. Although Gary won't be on the committee, he knows what he'd like to see in the new dean. "The Dean of Students at Caltech has to trust and admire Caltech Students."

Holding an office like MOSH or Dean, seems to be eternal. Even though he is retiring from being Dean, this won't end Lorden's desire to make life better for the

students. Says Gary, "I'll definitely still be involved."

Gary Lorden won't be the only person saying good-bye to the Dean's office. Marda Collett, Assistant Dean, will be leaving us as Dean Jeanne will be returning to Caltech in July from her "Dean's Leave." Marda has taken over Jeanne's duties as Assistant Dean during Jeanne Noda's leave of absence.

Conrad Mainwaring and Jeanne Noda will provide some measure of continuity in what might prove to be a year of transition. Next year, undergraduates at Caltech will see a new MOSH, a new Dean, and second year President in the helm.

"I haven't done half of the things that I would have liked to do," was the only regret Gary has about his four years as Dean. "But, I am pleased that I had the opportunity to work with such good people."

ANNOUNCEMENTS EDITOR WANTED

You take an interest in student activities.
You believe in the right to be informed.
You want to know about everything before everyone else does.

If these describe you, then you are a perfect candidate for this position. What does it take?
Not much. Takes about 4 hours a week. But if you want more information, contact Josh Kurutz or any of the editors, x6513 or SAC 25-58.

Position begins September.
Don't pass this one up!

This space not for sale.

HELP WANTED

The California Tech is looking for one or more students to prepare and mail subscription copies of the newspaper each Friday.

The job takes roughly 3 hours each week and requires a trip to the Pasadena main post office (Lincoln and Orange Grove). A vehicle (or easy access to one) is desired.

If interested, contact Stephen Lew at x6153 or Blacker House for more information.

Changes, cont.

from page 1

Faculty Board are concerned with standards of units. The present system for underloads (fewer than 36 units) allows seniors great flexibility, subject to the Registrar's approval. This system will remain in effect for seniors.

However, in the past, non-seniors have been required to petition for UASH's approval (which is difficult to obtain) unless they meet a certain numerical condition: after the proposed underload, their units-per-term average must be 43 or higher.

The new system replaces this approach by the rule that a first-time underload can be approved by the Dean or Associate Dean if the student will be taking 27 or more units. In all other cases, UASH approval is required, including students who have taken an underload under the old system.

The other change concerns the definition of unsatisfactory progress, which changes the number of units per term (average) a student must have passed in order to remain eligible. Students will be required to complete an average of 30 units per term in the last three terms. This will be checked only at the end of each spring term.

ASCIT Minutes

ASCIT Minutes 10:30PM 24 May 1988

1. Vietnamese Student Association is sponsoring a trip to Yosemite, June 13-16. Total cost, \$1105. ASCIT gives \$200 for this one shot deal.

2. Letters for Women's Club sports, soccer and water polo. Excomm will look into it.

3. Men's glee club has come to explain its request. How many ASCIT members? Around 20. Do the members pay? No. Lots of discussion about how much impact glee club has, what it wants to do (like overseas trip), how much money it already got. They get \$200 on top of the original \$200 budgeted to them.

4. Kate Loomis, for the cheerleaders, wants money. They need money for things like going to camp, getting uniforms, and stuff. They get \$250.

5. John O'Connell from B of A has a credit card deal. ASCIT gets a certain amount of money for each credit card application

Teachers fill out and send to him. ASCIT will do this. Pay people to man the desks, first week of school in Sep. Lots of discussion about how much to pay. Good 'ole Marty O'Brien and Todd Scham... will take charge of this.

6. Gifts for Gary Lorden were given Wed.

7. Junior and Senior elections are coming up...who should do it? When should do it? Excomm will look into it. This year, nominations open today, close 3 Jun, elections 6 Jun.

8. IRS debt - go see Stan.

9. Rotation rules - go see IHC.

10. Frosh camp - go see IHC.

11. Rich R. has a letter to help with CLUE - front page article!

12. CHUG - have signups - elections article.

IHC 's

IHC Minutes 7:30 pm 25 May, 1988

1. Survey of board costs at other schools in: of 5 neighboring colleges surveyed, Tech has lowest cost per meal (\$4.45). Audit was done over phone, so no assessment of quality, just cost. Voting on 16% increase for board next year: passed, 5-0 (2 abstained).

2. Dabney football refs: It seems Dabney House was fined \$40 because they had only 3 referees on field (instead of 4...), when it had been mutually agreed between the teams playing that a 4th ref was not necessary. Consensus among IHC that this was unfair and the fine should be removed.

Distinguished Alumni

[CNB]—Caltech conferred its highest honor—the Distinguished Alumni Award—on four graduates on Alumni Seminar Day, Saturday May 21. Recognized were:

Benoit B. Mandelbrot, IBM Fellow at the Thomas J. Watson Research Center, who developed "the theory of fractal geometry of nature" which gives insight into the complex shape and structure of the natural world;

William R. Sears, distinguished aeronautical engineer, who led in the development of a sequence of notable military aircraft at Northrop Aircraft Corporation and went on to found the Graduate School of Aeronautical Engineering at Cornell University;

Hung-Chang Yin, director emeritus of the Institute of Plant Physiology, Academia Sinica, People's Republic of China, who established a world center of plant biology that has made major contributions to China's achievement of food self-sufficiency;

Robert W. Zwanzig, Distinguished Professor of Physical Science at the University of Maryland, who has achieved worldwide renown for his contributions to nonequilibrium statistical mechanics at the deepest fundamental level.

Mandelbrot, who recently was awarded the Barnard Medal for Meritorious Service to Science by Columbia University, has developed a body of work that gives insight into such natural-world structures as the turbulence of liquids and the symmetry of living forms.

Fractal geometry embodies the notion of geometric self-similarity—the tendency of natural forms to repeat themselves—for example, as in the resemblance in shape between a tree's large branches and small twigs. The new geometry is being applied in many fields— aerodynamics, art, astronomy, biology, chemistry, linguistics, meteorology, physics and physiology.

On leave from his work as an IBM Fellow, Mandelbrot is currently the Abraham Robinson Adjunct Professor of Mathematical Science at Yale University. He is a Fellow of the American Academy of Arts and Sciences and is winner of the 1986 Franklin Medal for signal and eminent service in science.

He earned his MS degree from Caltech in 1948, his Eng degree in 1949. He also earned a PhD degree in mathematics in 1952 from the University of Paris.

William R. Sears is noted as one of the most distinguished students of Theodore Von Karman, director for many years of Caltech's Graduate Aeronautical Laboratories. As the chief of aerodynamics at the Northrop Aircraft Corporation, he claimed a major responsibility for development of a sequence of military aircraft, the best known being the P-61 Black Widow fighter and the Northrop Flying Wing.

After World War II he founded, and was for 28 years director of, the Graduate School of Aeronautical Engineering at Cornell University. The graduate school quickly became influential in its field. At Cornell, Sears was also instrumental in founding and developing the School of Engineering Physics, and he was founder and director of the Center of Applied Mathematics.

In 1974 he moved to the University of Arizona where he became the guiding force behind the development of an outstanding graduate educational and research center in aeronautics and aerospace.

While at Cornell, he held almost every distinguished lectureship in aeronautics, including the oldest established lectureship—the Lanchester Memorial Lecture of the Royal Aeronautical Society. He is a member of both the National Academy of Sciences and the National Academy of Engineering.

He earned his PhD degree from Caltech in 1938. He also holds a BS degree from the University of Minnesota.

Hung Chang Yin received his PhD in plant physiology from Caltech in 1937. He returned to China and, after the establishment of the United Nations and UNES-

CO, was selected to become director of the UNESCO Southeast Asian office in New Delhi.

In 1950 he returned to China where he became director of the Institute of Plant Physiology, the Academia Sinica, in Shanghai. There he became well known in scientific circles for his work on the nonbiophysical aspects of photosynthesis. He also created the Institute of Plant Physiology as a center for research on plant hormones, bacterial genetics, and plant tissue culture. He retired as director of the Institute in 1986 for health reasons.

Yin is one of the principal policymakers in China concerning agricultural research and is one of a few people principally responsible for a large increase in food production in China during the last 25 years.

Robert W. Zwanzig has achieved worldwide renown, along with Onsager and Kubo, for his contributions to nonequilibrium statistical mechanics at the deepest fundamental level.

He has received numerous honors and awards in recognition of his contributions, including membership in the National Academy of Science and the American Academy of Arts and Sciences. He has been a recipient of awards from the American Chemical Society—both the Peter Debye Award in Physical Chemistry and the Irving Langmuir Award in Chemical Physics. During this academic year he has taken leave from his academic post at the University of Maryland, where he is Distinguished Professor of Physical Science, to be Fogarty Scholar-in-Residence with the National Institutes of Health.

He earned his PhD degree from Caltech in 1952, his BS degree from Brooklyn Polytechnic in 1948, and his MS degree from USC in 1950.

Joseph Drown Foundation

Biology Grants

[CNB]—The Joseph Drown Foundation has made grants to two research projects at Caltech. James M. Bower, assistant professor of biology, received \$50,000 for his work on the interaction of neurons in information processing. This makes a total of \$250,000 that has been funded for this program. In addition, a group of faculty members was given \$65,000 to start a research program in molecular neuroscience.

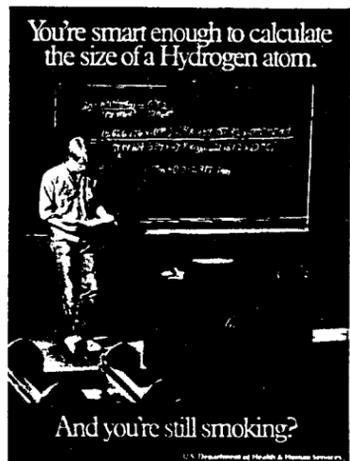
Dr. Bower's research efforts are directed at understanding how networks of neurons work. His approach includes the development of methods to sample the activities of many brain cells (neurons) simultaneously, and the design of sophisticated computer models of brain circuits, based on these patterns of electrical activity. The models allow the study of both the capabilities and failures of brain circuits. For example, his work has already resulted in new suggestions for the origin of epilepsy in the cerebral cortex, and has provided insights into how the brain uses odors to recognize specific objects.

The molecular neurobiologists, whose spokesperson is Henry A. Lester, professor of biology, plan to construct a series of "molecular libraries" from the brain. These libraries will consist of genes (pieces of DNA) in some cases, and monoclonal antibodies in other cases.

Gene libraries are actually test tubes filled with a million or so distinct clones (copies) of fragments of DNA. These libraries are searched for particular pieces of DNA that produce proteins having specific behaviors. Caltech scientists can then test a protein for its behavior under a variety of conditions. They can alter one or more of the amino acids that make up the protein, and can test to see what effect this change has on the protein's behavior. They can also study the effects of drugs on the protein.

"The Drown Fund's generosity," said Caltech president Thomas E. Everhart, "is precisely the sort of private-sector support that keeps American basic research in a competitive position with respect to other high-tech nations. In this case, it will help us learn more about how the brain and the nervous system function. Use of that knowledge will improve the human condition."

Joseph Drown, who established the foundation named for him, was concerned during his lifetime with encouraging leadership in education and research. A student loan fund was established in his name at Caltech some years ago and has been periodically augmented. Since his death in 1982, the foundation has continued to support those areas of philanthropy that interested Mr. Drown.



Something Unique Has Come to Pasadena!

Sidewalk Cafe

Family Restaurant

FOOD MADE THE OLD FASHION WAY

- Nice Easy Atmosphere
- With Outside Patio
- All American Favorites
- Mediterranean Dishes
- Large Portions
- Reasonable Prices
- Breakfast, Lunch & Dinner
- Greek Dishes

GREEK DELICACIES

"YOU CAN EAT FOR LESS AT SIDEWALK CAFE THAN YOU CAN AT HOME."



1616 East Colorado Blvd. • (818) 584-3912
(Next to Pasadena City College)

Ethanol, cont.

from page 3

consultant on issues of alcohol abuse. She started presenting educational programs at frosh camp last year and will do the same at the upcoming camp. Brown also helps students seek counseling and support and advises the administration about alcohol-related policies.

Liability

The issue of the Institute's legal responsibility for the actions of students and guests on campus is one receiving great attention. Depending on the circumstances of a particular incident, Caltech could incur no legal responsibility or could be landed with a multi-million dollar lawsuit.

"The concept of In loco parentis' does not apply to colleges anymore," said Tanner. Thus, the Caltech does not have to play a guardian's role for the students.

"There is a spectrum of liabilities," said Henry Tanner, Overseer of Caltech's insurance program. At one extreme, according to Tanner, the students could organize themselves and the Institute could passively permit a party at which alcohol was served. Under the laws of today, the Institute would incur little, if any, responsibility for this case.

On the other hand, far graver consequences could result if Caltech were to pay for drinks served at an Institute-sponsored event or restaurant situation that were drunk excessively by minors, who then proceeded to drive and kill someone, according to Tanner. In between the extremes, there is a vast grey area where the Institute's responsibility is more difficult to determine.

Effects on Student Life

All these concerns and influences have the potential to change some aspects of student life at Caltech. Caltech does not have a written policy regarding alcohol, but the energies of the administration and faculty are being directed to formulating one. "We're sort of feeling our way with the help of a consultant," said Morgan, who emphasized, "We've tried to work it as a student job. We're in this together."

"We've gotten past the point where universities tell students how to run their lives," assured President Everhart.

"We try to communicate in realistic terms and expect the students to behave responsibly," said Dean Lorden. "My own feeling is that, by and large, they do. Caltech students do care about legal and ethical issues and the safety and behavior of guests."

One immediate result of these efforts is that alcohol of party

proportions will not be going to frosh camp this year. Motivation for this stems primarily from the importance attached to Vivian Brown's educational session at camp. Lorden explained, "The message from the UCC's is more immediately important than the professionals'."

Lorden expressed optimism about student cooperation with this plan, "I feel very good about the level of concern the the student leaders have shown for my views about promoting responsibility in the use of alcohol."

Concerning parties, Lorden indicated that not much in the existing party policy will change. "Last Interhouse gave a clear indication that we can do it." Lorden brought special attention to the fact that on Friday the 27th there will be held the first seven-house party since Fishbone was here. "We will have a seven-house party that's been carefully planned and approved."

At Occidental College

To investigate how a college of similar size is handling the alcohol issue, Occidental College can be used for comparison. The Occidental alcohol policy, as summarized by Dean of Students Briggita Knauer, is, "If you want to drink, bring your own." She added, "You can't take up a collection and have three people provide the hooch." No kegs or glass bottles are allowed at parties on campus.

Knauer enumerated the pressures from parents, faculty, and the community as reasons for taking such actions. "(This sort of pressure) is something we must be responsive to," she said.

The Dean related that the policy was designed to deal with issues of choice, responsible drinking, and liability. She said that the college was "most concerned with someone getting drunk and then driving." She also said that the intent of the college in implementing these policies was to help people make wise choices.

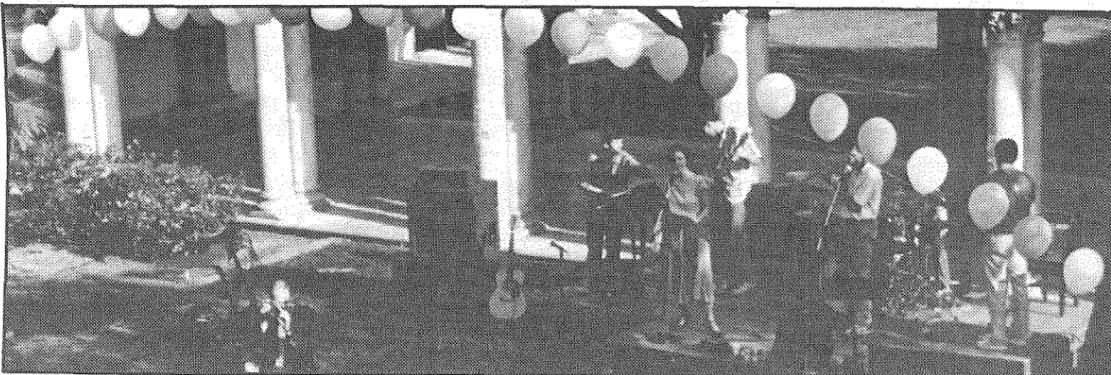
When Someone Needs Help

For the most part, Caltech uses existing facilities to deal with personal alcohol problems. If a specific incident needs immediate attention, the RA's are the first recourse, according to Mainwaring. If they are not available, the next stop is with the MOSH or AMOSH.

If someone seeks help for treatment of their problem, the health center can refer them to a specialist off campus. According to Lorden, there the possibility of expanding the confidential counseling options is now being discussed. "The administration is considering an employee or student assistance program where alcohol and drug counselors are available confidentially off campus." Alcoholics Anonymous sessions readily available to students are held weekly; Vivian Brown or the health center can tell a person in need how to get to these sessions.



ALEX ATHANASOPOULOS



TERESA GRIFFIE

Women, cont.

from page 2

Another lesson from history is that the difficulties in juggling a career and family may result in a generation of women with delayed careers, which is currently unknown in science but not in the humanities.

The most obvious benefit of increased participation in science by women is a new population from which to draw creative researchers. Also, a balance of the sexes may improve the atmosphere in which science is done. At all levels, "all interactions go better if you have a balance" of men and women, and the environment may be more fun with more diverse people around.

In a broader context, the advancement of women in fields other than science may affect research by changing national priorities. Much scientific research, and certainly the funding process itself, has political content and is susceptible to such influences. For example, with increased involvement of women, more emphasis may be placed on areas such as fertility, birth control and education.



ALEX ATHANASOPOULOS

LAEMMILE THEATRES	
<p>ESQUIRE 2670 E. Colorado Blvd. (818) 793-6149</p> <p>Greta Scacchi & John Hurt</p> <p>WHITE MISCHIEF (R)</p> <p>Mon-Fri 4:40, 7:00, 9:20 pm Sat-Sun 2:20, 4:40, 7:00, 9:20 pm</p>	<p>COLORADO 2588 E. Colorado Blvd. (818) 796-9704</p> <p>Winner of 9 Academy Awards including Best Picture</p> <p>THE LAST EMPEROR (PG-13)</p> <p>Mon-Fri 5:30, 8:45 pm Sat-Sun 1:50, 5:30, 8:45 pm</p>

~ signings ~

- ramsey campbell & dennis etchison
sat. june 4 1-3p.m.
- ray bradbury
wed. june 8 6-8p.m.
- chelsea quinn yarbrow
sat. june 11 1-3p.m.

planet 10
79n. raymond, pas.
(818) 577-9309

what goes on

From page 12

Advance Your Swordplay Skills

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

Chess Club

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

Chinese Ecology Tour

Source Media in Canoga Park is running a tour of mainland China from July 29 to August 15 that will include visits to the Great Wall, the Forbidden City, and various other major sights, as well as meetings with environmentalists in Beijing, Xian, Shanghai, Wuxi and Nanjing. Cost is \$2700. Call (818) 992-4526 for details.

Spring Into Folkdancing

The Pasadena Folkdance Co-op meets every Friday night at Throop Memorial Church at the corner of Del Mar and Los Robles. Beginning dance instruction starts promptly at 7:45 pm with intermediate instruction following. A donation of \$2 is requested. Dancers must wear soft-soled shoes to protect the wood floor. Start this spring off with an active program of dancing. Couples and singles are invited to join the club in dancing after instruction is finished.

Caltech Bridge Club

The Caltech Bridge Club meets every Monday at 7:00 pm in the Red Door Cafe. Players of all standards are welcome and we will provide a partner if you do not arrive with one. We play Duplicate Bridge and Master Points are awarded. There are also several tournaments a year, with extra Master Points offered. So, if you want a fun game of bridge, or just more information on the club and its activities, please come on Monday night.

C.L.A.G.S. Library

The CLAGS library is open for business, with everything from Plato's *Symposium* to *Sappho Was a Right-On Woman*. The library is in room 36 of the Student Activities Center. If you want a key, even just to see what a gay-oriented cartoon book looks like, contact Laura Anderson, x3956, or Nancy Matthews (student activities coordinator), Room 37 of Student Activities Center, x2935.

Caltech Raquetball Club

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

The YMCA is located at 235 E. Holly Ave., 1 block north of the Pasadena Plaza, next to City Hall. There will be a list of available partners posted at the Caltech Y, so if you are interested, please sign up.

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

Surf Club's Up!

The Surf Club is proud to announce a more than ample collection of surfboards and wetsuits to keep you stoked. If you want to check them out for a day or longer, contact Bill Foster, 795-4049 (nights) or Chris Edgington, 577-9694.

Become A WHO Doctor

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

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

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

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

Europe By Train

For a free information packet about Eurailpass and Britrailpass, or to order a pass for your traveling convenience, call toll free 1 (800) 4-EURAIL. Phone line open Mon-Fri 9am-9pm, Sat 10am-3pm PDT.

Control The Friendly Skies

The FAA plans to hire approximately 3000 men and women over this year and train them for careers as air traffic control (ATC) specialists. All new hires receive their initial ATC training as paid employees at the FAA Academy in Oklahoma City. Most are hired at a base salary of \$18,726. Those that successfully complete the Academy course—which runs three or four months, depending on the option—then will be assigned to a field facility where the on-the-job training will begin.

Depending on their assignment, career progression and other factors, controllers can move up to non-supervisory positions that pay a base salary in the \$46,000 to \$56,000 range, or even more with overtime and differentials, and are eligible for retirement after 20 years.

No previous aviation experience is required of persons applying. Those who pass the test and meet other qualifications will have their names added to the list of persons eligible for controller jobs. Each applicant must have three years of work experience, a college degree, or a combination of work and college experience. Additional information can be obtained from Shirley Gerard at (301) 859-3733.

Paris Center for Critical Studies

Among the hundreds of U.S. sponsored academic study programs in France, only the Critical Studies Program in Paris, in cooperation with the University of Paris III, focuses on current French theoretical trends in literature and film studies. The program examines film and film theory, including its history, formal structures, and relationship to the other arts, as well as the other visual arts and many social sciences.

The program's goal is twofold: to teach students to understand contemporary French theoretical trends in literature, philosophy, and film analysis; and to sharpen students' analytical skills by transcending the traditional barriers separating these disciplines through inter-disciplinary work such as literature and philosophy, literature and painting, film and textual theory.

Courses are offered both at the graduate and undergraduate levels, on a fall semester, spring semester, or academic year basis. There is a minimum 2 year college-level French requirement for fall semester and academic year students, 3 years for spring students. Applicants must also have a minimum of two courses in either film studies, literary criticism, or communications.

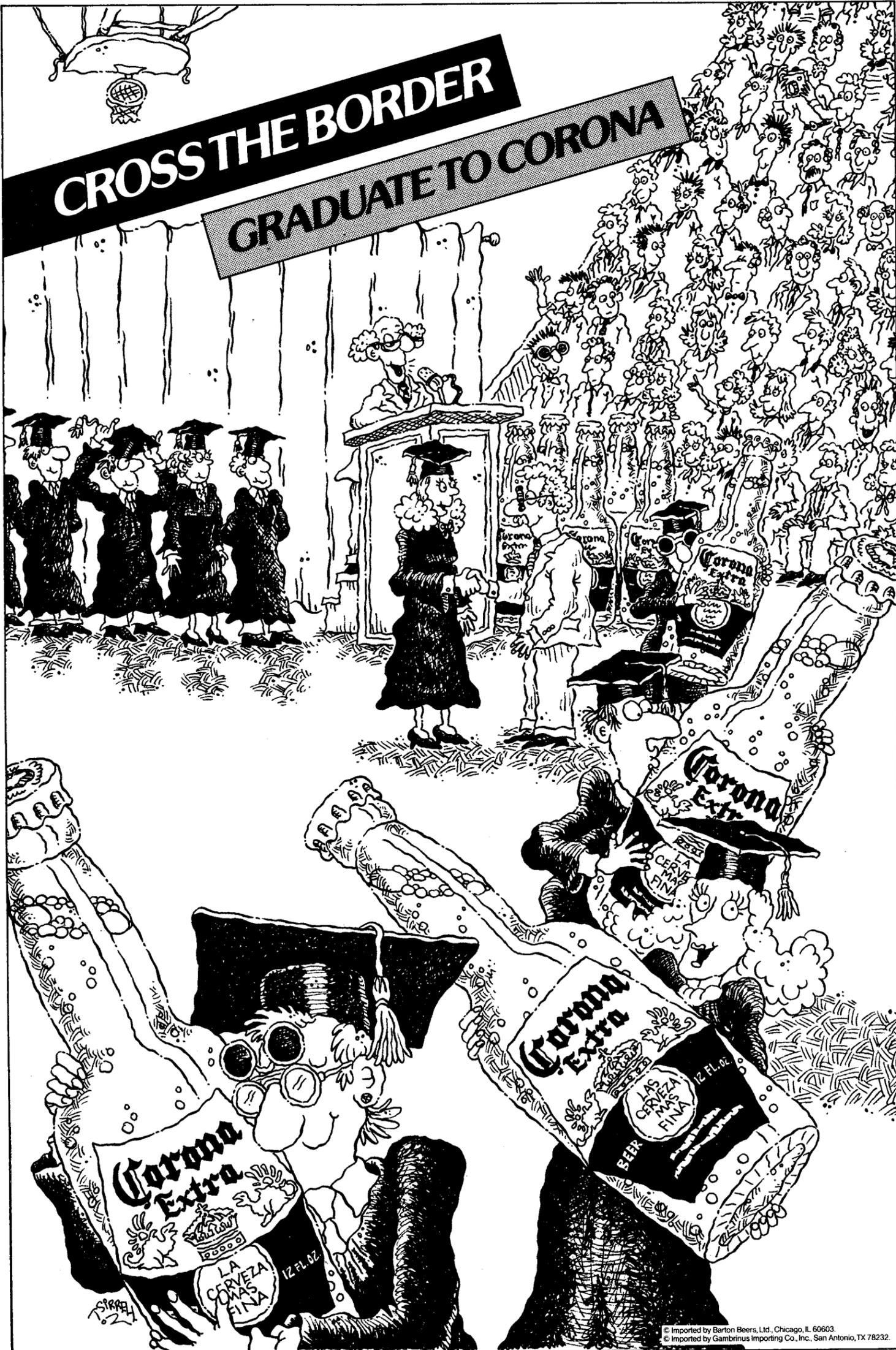
For a descriptive catalogue, list of consortium institutions, and an application, contact the Council on International Educational Exchange, Academic Programs Department, 205 E. 42nd St., New York, NY 10017.

Dolby, cont'd from 5

seeing him in a club is far more attractive than seeing him in a stadium because of the work he puts into interesting gestures and facial expressions.

The opening band, Prime Mover, pales in comparison with Dolby, but I was somewhat impressed with them. Their guitarist and singer is almost as hyperactive as Dolby's keyboardist, and they do interesting things with their guitars, both playing them and decorating them. I wouldn't pay to see Prime Mover, but they're an adequate band.

Dolby is also playing with Depeche Mode and OMD at the Rose Bowl on Saturday June 18!



© Imported by Barton Beers, Ltd., Chicago, IL 60603.
© Imported by Gambirinus Importing Co., Inc., San Antonio, TX 78232.

what goes on

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

Nominations for Faculty Teaching Awards

Each year ASCIT gives out a number of awards to faculty members for quality in teaching. Nominations are now being accepted for these awards. If you have had a professor who you think is deserving of a teaching award, send his or her name to: Todd Schamberger 1-53 356-9111

by Tuesday, May 31. Be sure to include a sentence or two explaining why your nominee should receive special recognition.

Cheerleaders Unite!!!

Rah, Rah, Rah! The Cheerleading Squad has just completed a successful and fun-filled season and is looking forward to next year. Subsequently, we are looking for a few (a lot) good men (and women) to expand the team for next season. If you are *at all* interested in being an enthusiastic Caltech Cheerleader, come to our new member party (meeting) on June 1st at 9PM in SAC Clubroom A. Be prepared for lots of food and beverages (hint, hint), and if you can't come, contact Samantha Seward at x3770.

Senior Party

All seniors are invited to the SENIOR PARTY at the MOSH house on Friday, June 3rd beginning at 5:30 pm. Acapulco is catering the dinner.

AMETEK Leadership Institute

The Caltech Y and the Industrial Relations Center will be collaborating in 1988 to offer the AMETEK Leadership Institute. What is the Leadership Institute? This two-and-a-half day program is designed for student leaders, and covers assertiveness, group problem-solving, managing meetings, resolving conflict to reach effective agreements, and peer motivation. Students are given the opportunity to improve their skills in lots of in-class exercises. An informal evening session is planned with a special guest who is an outstanding leader.

The Leadership Institute has spaces open for student enrollment. The Institute meets September 19-21 at the Industrial Relations Center, located at 383 South Hill. All participants will be invited to a picnic lunch on the last day as a farewell wrap-up. The Leadership Institute, funded by AMETEK, Inc., is free of charge and is open to both undergraduate and graduate students.

If you have any questions, or if you wish to sign up for the Leadership Institute, please contact Julie Bolster or Robby Robb at the Caltech Y, x6163

Be a Part of it

Do you want to be a part of one of Caltech's most exciting publications? *[sic]* The 1988-89 Big T editors are on top of things and are organizing its staff, now. The Big T is looking for photographers, assistant editors, layout people, etc. The photographers will be given black and white film. Anyone interested in being part of next year's staff should contact one of the 1988-89 Big T editors listed below

Alecia Chen	356-6180
Garrett Choi	578-9294
Curt Hagenlocher	578-9294
Shyh-Chyuan Huang	578-9294

Ph 2 Students!!

A T.A. will be available on Thursday, June 2nd to review your homework and quiz scores. If you have not attended section or have picked up homework from the mailboxes we strongly recommend that you stop by Room 471 Lauritsen between 1:00 and 2:30 pm.

Songs of Social Concern

The Caltech Folk Music Society is happy to announce that Priscilla Herdman is finally returning to the west coast after an absence of several years. In fact, she will bring her gentle, clear vocals and solid acoustic guitar playing to Dabney Hall this Sunday, May 29 at 7:30 pm! The common denominator to the songs she sings is the sincerity of emotion and social concern they express, and this concert promises to be really uplifting. Tickets are \$7.00 general audience; \$5.00 for Caltech students.

Women in Development

On Thursday, June 2, at noon in Winnett Student Center, the Organization for Women at Caltech will present "They Hold Up Their Half The Sky," a short film on women in the Third World development projects. The film includes a brief comment by Rep. Patricia Schroeder. After the film, Caltech Anthropology Professor Thayer Scudder will give his reactions and initiate a discussion on women in development and related issues. Bring a lunch and join us!

Summer Work Study

Summer Work-Study sign-up forms are now available in the Financial Aid Office. If you are interested in Summer Work-Study please submit the completed form to the Financial Aid Office no later than **today, May 27**. Thanks for your patience. We, along with you, have been anxiously awaiting clarification from the federal government so we could proceed.

Y Bucks

The Caltech Y Fund Drive nearly over and Page House is way ahead. If the other Houses don't want Page to walk away with a party keg, soft drinks and munchies, they should get their acts together right now. Extra return cards are available in the House mailboxes. The final deadline is June 3.

Modern Dance Accompanist

A Piano Accompanist is needed for the Modern Dance classes for Fall, 1988. The position is paid. Some interest in improvisation preferred. Classes meet in Dabney Lounge on Tuesdays and Thursdays from 4:00 to 6:30 pm. If interested, leave a message for Liz Oberstein, instructor, in the Athletic Department at x6146, or James Daniel, current pianist, at 578-9086 in Blacker House, 1-60.

Money from the GSC

The GSC is accepting funding requests from campus organizations for the upcoming school year! To apply, pick up a request form in front of the GSC office (Rm. 16 S.A.C.), and return it to the GSC Treasurer, mail code 16-58 by June 10th. The GSC will consider requests from any organization that has graduate student members and is open to all students.

To guarantee consideration of your funding request, you should make sure your update for *The Technique* (the graduate student handbook) is also in by this date! To submit an update, send the name of your campus organization, a short description (about 50 words) of its aims and activities, and the name, address and phone number of a contact person to **The Technique Editor, mail code 16-58**.

For questions or further information, contact Koichi Sayano, GSC Treasurer (mail code 128-95, x4436).

\$Free Money\$

Blah blah *little t* restaurant reviews blah \$5 maximum blah. Club descriptions are also being updated so make sure your favorite clubs are included. If you suspect your home address to be in error, tell us before we print the wrong one again. Contact Steve Lew, Mark Montague or Mike McDonald (strange—they're all moles) for further details. *little t* office mail code 26-58, S.A.C.

Summer Ticket Office Jobs

The Caltech Ticket Office is seeking full-time summer student employees.

Responsibilities include daily ticket sales on computerized ticketing system, processing all phone and mail orders and related ticket office functions.

Requires friendly manner, good customer relations and good organizational skills. Computer and typing skills helpful.

Apply at the Office of Public Events, 332 S. Michigan Ave. from 10 am to 1 pm or 3 pm to 4:30 pm. Ask for Linda, or call x3833.

Health Center Summer Hours

Beginning Monday, June 13 the Health Center will begin Summer hours. The Health Center will be open from 8:30 am to 3:00 pm Monday through Friday, so schedule your illnesses accordingly.

Don't Leave Home Without It!

Travelling abroad? Don't leave without an International Student ID Card. You can obtain it from Ingrid, International Desk, 105 Winnett Student Center, x6330.

Old Big T's, Cheap!!

The Big T office has an excess of yearbooks from previous years which are up for sale. Big T's from the '70s and '80s are available for \$20 each (includes shipping). Regular purchase price is \$24. Send all requests to: The Big T, mailcode 27-58, or leave a message at x2183, and we will send you a yearbook immediately.

7-House Party

Seven houses. One party. What kind of maniac thought this up? Find out tonight on the quad. Form eight to eleven: The New Marines. From eleven to one: Live DJ's. All the refreshments you can consume. Plus much, much, more! Get down! Party it up! Dangle propositions wontonly! Just go to this party! (But please, no Pin the Tail on the Donkey. We know what that can start.)

Piano Concert - 176 Keys

Cathy Chen, Julie Yee, and Helen Cheng, members from class PA 035, will present a program of music written for four hands for one or two pianos. Composers to be heard are Bach, Bizet, Hadyn, Mozart, Faure, and Smentna.

The concert and reception will be held at 381 S. Sierra Bonita Ave. (two blocks from Caltech) on Saturday, May 28th, at 8:00 pm. Students and friends are welcome.

Travel Via Earthwatch

Earthwatch magazine is an organization formed for the advancement and public involvement in science. You can see bizarre parts of the world and experience foreign cultures by being involved in scientific expeditions worldwide. Low cost accommodations make trips more affordable than touring. For more info, contact Devin Leonard, mail code 1-53.

IBM Co-Op

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

Macintosh Programming Jobs!!

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

Legal Internship Program

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

Auditions: "School For Wives"

Auditions for TACIT's fall production: "The School For Wives," by Moliere, will be held on Saturday, May 28 and Sunday, May 29 from 1:00 to 5:00 pm in Winnett Lounge. Rehearsals will start September 1 for an October production. For further information, contact Shirley Marneus, 441-3738.

French Movies At Caltech

The Francophile Club of Caltech has been presenting a series of French Films, admission free to the campus community, on Thursdays at 8:00 pm in Baxter Lecture Hall. All films have English subtitles. For information, call Josette Banroques, x3782. This week's film is: *Forbidden Games*, a film by René Clement.

Attention Seniors!!!!

Remember that JUNE 1 is the deadline for contributions to the Senior Gift Campaign toward establishing the Feynman Bust. We have raised close to \$800, but we need your help to get nearer to our goal of \$1500! Make a check out now (for \$19.88 perhaps?) and send it to the Alumni Fund, 105-40.

Grad Bible Study

All graduate students are invited to attend the weekly Bible Study/fellowship sponsored by the Inter-Varsity Christian Fellowship at Caltech. The study meets Thursday evenings at 7:30 pm at 201 S. Michigan Ave. (about 3 blocks north of campus). This spring, the study centers on the book of Luke. For more information, call David Imel (300-9315) or Alan Mathiowetz (449-1063).

Consulting Engineers \$\$

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

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

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

Japanese Scholarships

Applications for the 1988 Japanese Government Scholarship for American students specializing in Japanese studies are currently available at the Consulate General of Japan.

Applicants must be U.S. citizens, of more than 18 years and less than 30 years of age as of October 1, 1988, third year students at a university or college, and specializing in a field concerning Japanese language or culture.

For more information regarding qualifications please contact the Financial Aid Office, 515 S. Wilson.

Frog SURF

If you are a junior majoring in engineering and you would be interested in a SURF in Vernon, France (working in the French space program), please contact Chris Brennan (1111 Thomas, x4117) as soon as possible.

summer
Summer
summer
été
verano
Σ Ω Μ Ε Ξ

Please see WHAT GOES, pg 11

CLASSIFIED ADS

HELP WANTED—

MALE STUDENTS WANTED!

University students as sperm donors by California's largest sperm bank. Earn \$70-105/week. 213-553-3270 California Cryobank, Inc., 2080 Century Park East #306, Los Angeles.

JESSE JACKSON '88 needs you to get involved with the local campaign before the June 7 election. Help Jesse win and gain political experience in this historic campaign. Call (818) 405-9135 for more information.

FOR RENT—

FREE SAN MARINO GUEST HOUSE for qualified Caltech couple (M&F) in exchange for childcare. Call (818) 795-4235, ask for Barbara.

SERVICES—

INSURANCE WAR! We'll beat anyone's prices or don't want your business. Sports cars, multiple tickets, good-driver discounts. Request "Caltech Plan." (818) 992-6966 or (213) 873-3303.

NEED A BAND? Citizens Banned, made up of JPL/CIT personnel, is available for parties and dances. Call Tom (x6863) or Dom (x6050).

WANTED—

WANTED: AIR CONDITIONER. Seniors, do you need to get rid of an air conditioner? We need one to fit a Ruddock dorm room and are willing to pay for it. Contact Scot Wolfe or Mike Smyth at 578-9923 Rm #229 Ruddock.

JOB WANTED—

WANTED: SUMMER JOB for brother of Caltech student, high school junior, willing to work hard. If appropriate possibility call Greg 578-9886 ASAP.

LOST AND FOUND—

LOST: GREY CROSS PEN. Contact: David Goldreich, 1-55, 577-6993.

LOST: A checkbook during the International Fair on May 20. Please contact: Nan at 793-4492 or 354-9275.

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



PARIAN TRAVEL

Caltech Officially Approved

Most professional, courteous, economical and efficient service for your **official** and **personal** travel needs. Free service to you.

Airlines, Cruises, Tours, Hotels, Car Rentals.

Individual, Commercial, Groups.

(818) 577-8200

468 S. Sierra Madre Boulevard, Pasadena

the Haircutters **\$4.00 OFF STUDENTS**

Shampoo, Style Cut

MEN Reg. \$18.00 NOW \$14.00

WOMEN Reg. \$22.00 NOW \$18.00

449-6967

1009E. COLORADO • PASADENA

Offer valid with this ad only, Monday thru Friday

THE CALIFORNIA TECH
Caltech 25-58 SAC
Pasadena, California 91125