

Pre-Reg  
Today

# The California Tech

VOLUME LXXXIX NUMBER 9

PASADENA, CALIFORNIA

FRIDAY 20 NOVEMBER 1987

Drop Day  
Nov. 30

## The Vision of Leroy Hood

by Eric Fung

Caltech Chairman of the Division of Biology and Bowles Professor of Biology, Dr. Leroy Hood has recently won the Dickson Prize in Medicine for his outstanding contributions to the fields of immunology and molecular biology. This award comes less than a month after he, along with two others, received the Albert Lasker Basic Medical Research Award, one of the most prestigious honors in biomedicine.

Dr. Hood has won numerous awards for his work, including the Louis Pasteur Award for Medical Innovation (1987), California Scientist of the Year (1985), and the Isco Award for significant contributions to the field of biochemical instrumentation (1987), among many others.

Dr. Hood attended Caltech as an undergraduate, and even at this time, it was apparent he would be a leader. He was president of the freshman class, and later won the Hinrichs Memorial Award for leadership. He graduated with honors in 1960, and went on to study medicine at the Johns Hopkins School of Medicine in Maryland, where he graduated Alpha Omega Alpha - in the top 6% of the class. He came back to Caltech where he earned his Ph.D.

Hood, who believes that technology plays a major role in in-

creasing the opportunities for biological research, has been working since 1975 to develop and perfect instruments which sequence and synthesize proteins and DNA. Another instrument he is developing is a gene analyzer.

His work on these instruments led to the Isco and Pasteur honors. These instruments have already been successful in several applications, including experiments which helped lead to the curing of mutant shivering mice by genetic engineering.

One of Dr. Hood's future visions is to obtain the complete sequence of the human genome, which would, he says, "Give a 500 volume set of encyclopedias, each with 1000 pages, of which each would possess 1000 6 letter words. These are the instructions to build a human being, and we'll be spending the next 100's of years deciphering what these pages mean. Perhaps a specific paragraph in a specific volume will explain why a certain individual has a greater likelihood of contracting a form of cancer."

Critics of this project claim that such a project would cost too much money, money that could invariably be spent on other projects. Hood disagrees, responding, "Human gene sequencing is going to happen, whether it takes 40 years or five. If we organize the efforts

by pouring in money now, we will be able to develop procedures that are 100 times faster, 100 hundred times more accurate, and 100 times less expensive. The project, then, would become a straightforward production line task that several main centers will undertake."

While others argue that such money is an investment that would not pay off, Hood believes that America could remain the undisputed leader in biotechnology should it concentrate efforts and money on this project.

It also has greater promise, and is therefore more compelling, than the supercollider, he says, since "with the supercollider, you make a big machine, and then you may or may not see something interesting. If you find something interesting,

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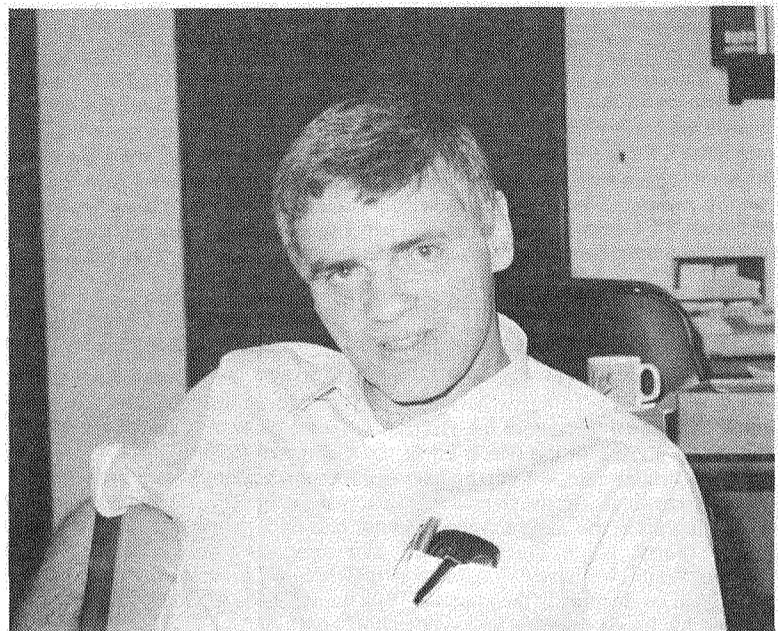


photo by Eric Fung

Morality and technology come head to head with the development of new techniques in biology. Professor Leroy Hood discusses the potentials and implications of modern science.

## Women, Mirrors, and Literature

by Chandra Tucker

Wed., Nov. 18, Dr. Jenijoy La Belle spoke before a packed audience in the Beckman Auditorium. Her talk, "A Dialogue of One: Women, Mirrors, and Identity," was the second in the Ernest C. Watson Lecture Series.

La Belle, who, in 1969, became the first woman on the Caltech faculty, is currently an Associate Professor of Literature here. She has published works on modern poetry, 17th century writers, Shakespeare, and William Blake. She is presently finishing a book about women and mirrors entitled, *A Dialogue of One*.

Dr. La Belle began the lecture on a light note, breaking the ground with examples of the use of special effects and its usefulness for a Watson Lecture on literature. She referred to Dr. Sutherland's slides of pages from banned books in his lecture about prohibited works.

Appropriately, she led into her topic with slides. Stating, "Mirrors do not lie; they are silver and exact," she showed comic strips from "Peanuts" and "Sally" depicting scenes in which a mirror was important.

Moving on from the "visual world to the verbal world," Dr. La Belle recited a poem by Sylvia Plath which described the mirror as being more than just a looking glass, but also a reflection of a woman's self.

La Belle explained, "The mirror has the ability to show the woman what she cannot otherwise see." She went on to question whether "the body is the woman, or the woman the body."

Since La Belle's lecture dealt specifically with women and mirrors in literature, she spent most of the lecture overviewing and explaining the various "poems and passages and other junk in which women look into mirrors searching for what they really are... My main concern is not with the mirrors as a metaphor but with actual mirrors in literary works."

She used her examples to seek out a relationship between the "mirror and a woman's conception of what she is, what she has been, and what she will become."

The mirror, according to La Belle, is often not just a reflection of the fact and body, but a tool for analyzing the self. A paradox, however, exists, since "the image in the glass is always at once the self and not the self." Most authors, she said, take the image in the glass

to be either identical to the self or completely unconnected.

Introducing the role of vanity, in which a woman becomes herself through the mirror, a mirror in which she places her power, La Belle began a discussion of the dominant mirror. She cited several literary examples of this dominating mirror, including Sylvia Plath's *The Bell Jar*, Antonin White's *Beyond the Glass*, and even *The Sleeping Beauty*, in which the women characters fail to exist without a mirror image. In short, the mirror became identified with self-expression.

Thus Dr. La Belle's main point seemed to be that a woman identifies herself through the mirror. The self and image are not identical, but, at the same time, they are not dissimilar. Instead, the mirror image is a sort of projection of the self, of not just the exterior persona, but also the interior one. "Mirroring is a continual, ever-

shifting process of self-realization." Men and women are different in this respect; "Men look at their faces [in the mirror], but what they are is another matter. Women search the reaches of the mirror for what they really are." In response to a question asking what the affect the elimination of mirrors would have, La Belle replied, "I don't think many women would have selves...they would have no way of creating identities."

La Belle's talk provoked thought and debate. While some agreed and others did not, all gained insight into the relationship between women and mirrors through examples of literature.

## Feedback Forum

by Jeff Flint

As a result of Tuesday's election, Richard Reid is the new ASCIT Director of Academic Affairs. Despite a strong showing from write-in candidate, Burnt Toast, Reid's higher name recognition and campaigning skill prevailed. He was sworn in at a touching ceremony during Tuesday's BOD meeting.

So you ask yourself, "What does this mean to me?" This means that we, your public servants on the BOD, can finally start the process of replacing the TQFR with a newer and better

.(Fill in the blank with what you think this thing should be called. If you have a good idea, tell us.) As of now, Jeff Tekanic, Richard, and I are ready to put a lot of time and effort into this project. However, we need your help! An ad-hoc committee will be formed soon to begin planning this new student guide. If you want something better than the old TQFR, you have to get out of your rooms and help.

There are several things you can do to help out. Read the old ASCIT minutes to get up to date on the situation, read Jeff's proposal for the new guide, think of a name for it, and then get on the committee.

Call any of us if you want to help with this committee. We can be reached at: Jeff Tekanic, x6236; Richard Reid, 578-9219; Jeff Flint, 578-9755, or we can all be caught at the BOD meeting Tuesday at 10pm in the MOSH's office. There will also be a sign-up sheet outside the MOSH's. Thanks for your help.

## Honor System Considered: Do Ambiguities Abound?

by Mark Montague

One of the greatest and most unique things about Caltech is that we have an honor system that really works. Many schools have codes they call honor systems, but most of those are only applied to academics, and often are not taken seriously by the students. It's a great asset to have a code that the vast majority of students both respect and understand.

Bob Oliver, the MOSH, says that the assurance that students would not cheat on take-home tests is the main reason he chose Caltech over other schools which offered him a position. Students can charge anything from chips to food to LN2 to books on their student accounts. The endless benefits of the honor system go on and on.

Everyone has an opinion on what "unfair advantage" means, and exactly what is an honor code violation. This stems from the fact that the honor system is so terse that the phrase "No student shall take unfair advantage of any member of the Caltech community" is both the spirit and the letter of the system. Although this is a great way to avoid technicalities and legalese, it is also open to a wide variety of interpretations.

It is clear that the honor system works well in cut-and-dried cases such as take-home tests, plagiarism, malicious vandalism, and the like. It is not clear, however, how much cheating occurs. It would be a ridiculous idealism to assume that none does, but it seems that not enough cheating goes on to cause a breakdown in the system.

Many people feel that this alone makes the honor system worthwhile. The spirit of the honor system can be applied (as well as misapplied) to a multitude of

issues, though, and sometimes it is not always "clear-cut."

RF's are almost always handled reasonably, but the implications of them are sometimes marginal as far as the honor system is concerned. Take for instance: There are some people who might take kindly to having their rooms filled with jello, and some who might not.

The safest policy, of course, is not to do any questionable RF's. This almost never happens, since many people enjoy being RF'd. The assumption is, of course, that before RF'ing someone, the pranksters should know the person and his situation and use good judgment. But it is these sort of things that bring up a myriad of questions about fairness, advantages, and intentions.

A good example of something that creates these questions is the concept of character assassination, or slander. Lying about someone tends toward taking unfair advantage, but how about spreading a rumor which may or may not be true? Or starting one? This issue of the *Tech* could probably be filled with questions like this, but the key point is that many people have opinions on these issues, and others have no clue at all as to whether or not a particular thing is an honor code violation.

BOC members rightfully claim they are only human and that they can not make decisions that agree with everyone's ideas of the honor system. The board does the best it can, which is all anyone can expect.

There are some cases of honor code violations which seem to occur from a "don't get caught" kind of attitude. Sometimes these are accidents, sometimes they are not. In

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# The Inside World

**Blacker:** Interhouse has been canceled on account of a lack of interest. All the frosh, even the girls, earn conditionals. We never get as many high school girls to show up as Page and Fleming anyway.

Interhouse has been canceled due to lack of funds. Let's just take our flimsy Interhouse budget and put it towards things that really matter. We could have parties first term. We could paint lines on the badminton court. We could wreck some things.

Interhouse has been canceled cause it's just too darn dangerous. The police came into our courtyard, took one look at our hippopotamus, and told us we would have to take it apart. "It could be suddenly animated and bite somebody's arm off. Why don't you hang it from its legs in Cannes, so nobody'll get hurt?" We were nearly reprimanded for Disco Death, but we were able to demonstrate that it met Interhouse Ride Safety requirements. And then I said to myself, "Myself, we should stop building, save our money, and use it to pay for things that we wreck." Then I made a list of emergency phone numbers and the order that you should call them in: (1) 5000, (2) 976-XXXX, (3) 911.

Interhouse has been canceled due to rain.

-PW

**Dabney:** "Ye Olde Thing of Something..." Just when you thought it was safe to go back into the computer room... MORIA!!! See: Computerds flailing at White Icky-Things... "MOOSEFISH!!" "Moria: Just Say No." So you think you need a computer? BA-HA-HA!! Never! None may escape the dread evil thing lurking in the Black Pit of the Computer Room...

On a similar note, we will be having a roompick soon. Watch for doubles turning into singles as the flames spread across the house... "Your conscience is coming after you and he's gonna sound like Ollie North (or Frazier Thomas)." (Sorry, glitch. I'm writing this in a computer room, after all...)

"But Adam, we have to have a room pick before Christmas-or BL and DW & co. will be sleeping in the streets!" "Nya-ha-ha! So be it!" The evil SC3TRY rubbed his hands together and scuttled off cackling.

"Say, Brian, do you hear something?"

"Why no, Dave, I don't."

"Why is there a shadow over the house?"

(looks) "Oh my God, it's the Beckman Institute!"

WHUMP!!

Flems have their cannon. Moles have their lockpicks. Scurves have the pot. Page has the Daihatsu, Lloydies have their obscurity, Rudds lack even that distinction. But Dabney has the bomb.

ERROR \*\* ERROR \*\* DISK FULL \*\* CORE DUMPED

-Macs suck!!

**Fleming:** Remember, you can't get floated if you're wearing a Fleming Shirt. Silly Frosh. Next Year's Interhouse theme is biblical. Working Title: How Al and Alice were thrown out of the Garden of Beer by God for belching. Featuring Jim Burleigh as Moses. By the way, if you're reading this to find out what we did for Interhouse, go read the other section, you bozo, this is the Inside World; it's not supposed to have any relevance. We beat people at soccer, but they don't matter. Well, it's Frosh 1, UpperClassmen 12. Hobbs may be wet, but there's always next week's dinner. Frosh are stupid as usual. Here's a subtle clue: When there aren't any waiters and someone puts you on napkins, you don't have to do it. If someone puts you on scaffolding though, that counts. Here's another subtle clue: When you're going to wash an upperclassman, don't ask another upperclassman directions to his room. I've gone an entire Inside World without making the editors censor something.

Hobbs enjoyed the U2 concert immensely, except for the Lesbo Biker Bitches, who beat him up. He DID enjoy watching them, however (but he'll deny it, if you ask him). Will Gino ever graduate? Well, I guess someone needs to assume the Eggleston Legacy. And Kent finally dropped Ph12 (says Kent: "I'm free...free...FREE!!!" [maniacal laughter]). I got my EE32 midterm back. Maybe I should change my major. I do know that if Dave Jung complains about his 55 one more time, I'll get Brian Hayes to do something to him. Maybe he'll dust off the old cheese grater. Random Sexist Meanderings: And I've gone an entire Inside World without saying anything about Linda Schlueter. Even though she does look mighty fine in those new jeans of hers. Maybe I'm just sex-starved. Then again I've always been like this. Come to think of it... Well, never mind. I've met the Ruddock RA. She's pretty cute. Too bad she's married. She fixed Josephson's foot after he was viciously attacked by one of their tables.

All the lines from the Fleming Play the Editors wouldn't censor:

-See ya. NeanderFlem.

P.S. Some of the frosh are starting a secret cult, but they don't want the other frosh to know. Don't tell anyone. And remember you never know which might be one of THEM.

**Lloyd:** Its dinnertime and the King of Spin's at U2, so just the headlines. HELL SUPPLIES NO INNINGS AS LLOYD DISCO DOES-IN DABNEY. (LARRY BELIEVES) DISCO DEATH AWAITS FLEMING HOOPSTERS AND THEIR ALL-AROUND GREAT GUY. SEARCY GOAL, RAMAN SAVES STUN PAGE. MOOSE INJURY, CHANDRA DISAPPEARANCE OVERCOME - O'NEIL, GIEZEN GOALS HANDLE HUSTLING DABNEY. MINDLESS HABA ATTACKS CONTINUE - CAN RUDDOCK IW BE A LITTLE MORE LAME? DIGBY OUT OF CONTROL.

DJ, IN FACT, A GOOD GUY AS WELL AS AN EXCELLENT TARGET.

KAOS GIRD FOR INFERNO CREW CHALLENGE WHILE HOUSE LOOKS ON.

EARL SELECTED AS MOST DISTINCTIVE HUMAN (BEATING MANUTE) -

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## letter

### Master Keys Corrected

To the Editors:

Regarding Mark Montague's letter published on 11/13/87, I would like to clarify one point. In an effort to show that grad students need not be worried about undergrads with master keys, Mark states, "...any grad student worried about his room door being on a master can request a non-mastered key or a combo lock from the housing office..." In all certainty the answer to this request would be "no". It is my understanding that current Housing Office policy would not permit a non-master or combo lock to be placed on a grad student's door, and currently no grad house room or Catalina apartment has a non-master or combo lock.

-Deirdre McClure  
Housing Office

### Hood cont.

from page 1

ing, then you measure it and you are finished. Not so with the human genome - we'll be studying that for the next 100's of years."

Hood's research in genetics has also raised questions of the ethics in genetic engineering. Hood, however, sees little difference between one type of genetic engineering, somatic, and the practical medical methods undertaken in the era of modern medicine. "You can engineer somatic cells by targeting genes to correct specific defects. Take, for example, sickle cell disease. We could insert a good hemoglobin gene in the red blood producing cells of the bone marrow and thus correct the problem. But the changes die with the patient, and his progeny would have to undergo the same procedure should they inherit the same disease.

"Medicine, however, does a fundamentally similar process when it immunizes people; you put something into the body and the immune system responds to it: you permanently alter the immune response. We don't, however, regard that type of engineering as being bad at all."

Genetic engineering of germ (sex) cells, in contrast, presents serious ethical problems since it would create a new species. Dr. Hood, however, doesn't feel this procedure will merit serious consideration for some time "since there are serious technical problems. When the technical problems are solved, then will come the consideration of the serious ethical issues."

Another research interest Hood pursues is molecular immunology. He and his researchers have been studying the three basic classes of immune system receptors (antibodies, T-cell receptors, and proteins of the major histocompatibility complexes) in hopes of elucidating

the methods by which the immune system works.

One focus is autoimmune diseases, in which the immune system attacks the very creature it is designed to protect. Presently, medicine 'cures' the problem by rendering the immune system inactive, which poses the obvious side effect of vulnerability to other diseases such as cancers and infections.

Hood hopes to be able to remove just that fraction of immune cells which cause the problem. He also believes that another benefit from this research would be an understanding of the rejection of an organ after a transplant has been performed.

Hood has another emerging interest, molecular neurobiology, with studies of the myelin sheath and its proteins. He has already realized some success in this field, having, along with several colleagues, Carol Readhead and Brian Popko, cured some mice of a genetic disease which caused shivering.

This raises another ethical question, that of animal experimentation. Hood believes the question is rhetorical to a certain degree. "The blatant answer to that is we can't experiment on human beings. There are many fundamental kinds of diseases we have to identify and come to understand. The only way we have been able to study them in the past has been through animal model systems.

"Were we cut off from this opportunity, we would paralyze modern medicine. What is important in animal experimentation is that the animals be treated in a humane way, and that there be rules and regulations that direct and dictate how we deal with these creatures. To say we shouldn't use the animals, though, says, in effect, that we are going to commit millions of human beings to suffer diseases for which we will not be permitted to find cures."

Hood has found several reasons for his success. One is the climate of biology of the last ten years, what he calls "Biology's Golden Period." The coupling of new-found knowledge of interesting systems and developing biotechnologies opens up whole new frontiers of biological opportunities. Over the next ten years, Hood foresees the development of technologies which would "put us in an even more spectacular position so that we will be doing things infinitely more complicated."

The climate of Caltech has been beneficial too. "Caltech is a great

place to develop the technologies necessary for the research. It's small, and the excellent computer science, chemistry, and engineering departments make collaboration highly productive. Here, there, is a commitment to excellence and technology."

Sometimes, however, Hood just wants to get away, to forget about the world of biology. Recently, he went on a mountain-climbing and rafting expedition in Alaska. He enjoys it, because it "requires both physical techniques and intellectual problem solving. It puts together the intellectual and physical together in a challenging manner."

Then, there's always the mountain of biology knowledge that Dr. Hood is climbing.

## THE CALIFORNIA TECH

Volume LXXXIX • Number 9  
20 NOVEMBER 1987

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25-58 SAC

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Published weekly except during examination and vacation periods by the 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 5PM; for announcements, Tuesday at 5PM. 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), \$100 per life.

Printed by News-Type Service, Glendale, California

ISSN 0008-1582

### ASCIT FRIDAY NIGHT MOVIE

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NO MOVIE NEXT WEEK

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## Honor cont.

from page 1

any case they remind me of *Snookles*- when someone does something he regrets, he tends to cover it up.

This can be in the form of just walking away knowing that no one saw you, running away from security, or whatever. It's a natural response, but it can have its consequences. For example, if a security guard surprises someone setting off an LN2 bomb, the tendency is for the bomber to run. The problem is that blowing up a security guard is clearly taking unfair advantage of him.

Honor code violations can also be traced to a lack of foresight. It is a common thing for a Tech to do something like flip a switch to see what it does. It is so rare that this has any repercussions at all that people get to the point where they do these things on reflex.

Neither of these "problems" is a serious fault in the honor system. It is possible that one reason the honor system works so well at Tech is that students are able to keep "reasonableness" in mind and not let problems get out of hand. The idea that things should be kept reasonable is so well engrained in the freshmen that they almost always think before they act, usually in direct proportion to the seriousness of the consequences. This works since they remember the simple concept of unfair advantage.

On the other hand, there is another kind of "violation" which can happen as a result of differing interpretations of the honor system. There is a wide range of interpretations of the honor system throughout the campus. While this prompts varied and interesting conversations, it can cause both confusion and problems, particularly in cases where a student's views are different from those of the BOC.

Many people are disturbed by the fact that there is no open forum to discuss these opinions with the BOC. Several people have suggested that the BOC publish a report on every case, or each term,

and in fact the BOC does publish both the honor system pamphlet and various abstracts. However, Nicole Vogt, the BOC secretary, points out the dangers of having publications with "The BOC Speaks" as a format.

-The BOC doesn't usually share a single opinion.

-The BOC bases many of its decisions on confidential information.

-Many of the cases are not clear enough to be put into an abstract.

-It is nearly impossible for a board to write a statement all (or even most) of its members agree with.

But most important is the idea that the BOC's purpose is to judge honor code violations confidentially and on an individual basis, rather than to dictate interpretations of the honor system to students. Since there is no one (on or off the BOC) who is qualified to dictate interpretations of the honor system for the whole community, it would be farcical to have a document which is written as *law*.

The confidentiality of the BOC seems to contribute to the wide variety of opinions people have on the meaning of the honor system. Most people agree, however, that the super-secret policies of the BOC are necessary for its operation. It certainly protects the rights of both the accuser and the accused, as well as of any witnesses. On the other hand, it loses all the advantages of America's open justice system, such as the right to face one's accuser and the ability of public opinion to sway the outcome.

Most of the time, the system works well. Many people, though, feel that a few cases are handled poorly. For example, two years ago, there was a case which came before the BOC. (The defendant, Mark Huie, has given his permission for the reporting of this.)

There was a prank involving the 22 Gates sound-room. The sound-room was opened without using a key. Thinking that being able to enter the room in the future

would be useful in RF's, the lock was re-pinned so that it was on its original key and a key which opens several doors in Blacker, called "Tunnel" by those who know about it. The prank was done, the room closed, and all was forgotten.

Months later, I received a call at midnight. "This is Pam Feldman, the BOC chair. We'd like to speak to you now in the Dean's office." This is not a pleasant thing to hear.

I arrived, and found Pam and Doug (the Chair and Secretary at the time) waiting for me. Pam told me that I had been named as being involved with the 22 Gates sound-room re-pinning. During the questioning, I honestly said the following things:

-Yes, I was there.

-No, I did not re-pin the lock.

-Yes, I know who did: Mark Huie.

-No, I have not re-pinned any other locks on campus. I do know how to re-pin locks.

-No, I don't know of anyone else who has re-pinned locks on campus who is currently a student.

Pam then said that the BOC felt that this re-pinning was an honor code violation because it reduced the security of the room without informing the owner. She asked whether I understood this. I replied that I understood, but did not feel that it applied in this case, since the sound-room is not very secure, and that putting it on "Tunnel" would not reduce the security significantly. Anyone, I said, wanting to enter the room for dishonorable reasons could easily break the window. She said something to the effect of "we feel that it is an honor code violation. Do you understand that?"

We eventually reached the point where I said "I understand that you feel that re-pinning locks outside of Blacker House is an honor code violation, and therefore I will not do it. However, I still don't feel that in this case it is taking any kind of advantage of anyone." At this point, Pam continued to demand that I understand that it was an honor code violation. Wishy-washy Frosh that I was, I eventually gave in and said yes. I didn't believe it, though.

I feel that I had no opportunity to question, argue with, or discuss the evaluation that this was an honor code violation. Looking back, ideas come to mind like "I should have told them that they should either charge me with something or let me go," but at the time, I was too intimidated. Mark Huie says that confronted with the question, "Was re-pinning the lock an honor system violation?" he responded, "Yes, it was." since he just wanted to get out of the meeting, and it was clearly what they wanted him to say. Pam then asked him why it was, and he couldn't come up with an answer.

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## More Inside World

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9 BILLION NAMES OF EARL CONTEST ANNOUNCED. - Try to beat these

EARL XXXXX TAYLOR SUGGESTIONS: "Puddin-Head", "Collapsar", "Rolling Thunder", "Living Cube", "Wider than Tall", "Thunder Thighs", "Darkstar", "Compressed Night", "Thicker than Tall", "Gravitational Lens", "Epicenter", "Cajun Spice", "Super Chunk", "Ironclad", "8-Ball", "Mr. Momentum", "Sink Brick", "Human Cannonball", "Square Man", "Dense Pack", "Mover of Mountains", "Shaker of Earth", "Coffee King", "Osmium", "Baby Bull", "Denser than Potatoes", "Structural Overload", "Bones of Lead", and "What Hell thinks Thunder is".

LLOYD WISHES BRIAN WELL - EXPERTS EXPECT HIM TO FIND HAPPINESS (AND KICK BUTT) IN THE REAL WORLD.

Censorship sucks.

-Dark Foot.

Page: TO: Dr. Calvin I. Techer

World RF Society

Secretly hidden beneath the Antarctic Ice Cap, somewhere.

FROM: Knifeman

1-53

Hell on Earth

Dear Cal,

How's it going? Gee, wasn't Interhouse in Page House exiting? Read all about it in the *California Tech*.

You may have heard we uncovered a few design errors while testing the infamous Page Interhouse Ride last week. The super Slash-O-Matic Phony-Guard-Rail Death-Rocker-Decapitator didn't perform quite up to expectations. As you may know, that portion of the Interhouse Project (codename: *Bob's Revenge*) was designed to grind up any random Death Rocker to about the consistency of dog food and deposit his remains in Gary's kitchen. Fortunately we had plenty of Frosh to test it out on. We assumed no one would notice little bits of leather and chain in the vegetarian entrees. Unfortunately it only maimed the guy for life. Then some idiot dialed "911" and we had to take the whole thing apart before the Pasadena Fire Department figured out what was going on. We can push just about anything past the CalTech Security guys, but real pigs are another story. But they only managed to find the blade from the Slash-O-Matic, so we can still use the rest of the tricks next year. It was probably for the best, since without those clever advertising fliers we usually put out it's hard to get anyone to show up except those high school chicks the Flems invite. It was a real bummer not being able to advertise this year, although Bob still tried pretty hard to get some of those Party Cards out. Keeping with the House motto, "Minimize the Damage," we whipped up a quick substitute ride (which really sucked) one afternoon, got a DJ 'cause we were too slow and too poor to get a real band, threw some dead plants and a stolen dragon head around the courtyard, wrapped Schamu's Gumby up in aluminum foil, BOOM! Instant Interhouse. It's amazing how much you can stretch a theme when you don't do any work until 2 p.m. on Saturday.

The Fleming Play was no surprise this year. Other than Sue Danek's stunning portrayal of Sue Danek it was about as funny as the dumpster behind an abortion clinic.

The Nurls are getting pretty uptight this year. We changed the combination without telling them to see what would happen and they broke open the lock so they could go Star Trekkin' across the universe. At least we finally got Bowers out of Compu-hell. (He finished that stupid game. Until he finds another puzzle or something he'll probably go back to taking showers in the middle of the night.)

The IHC seems to have this big thing about "responsibility" these days. It'll probably last until they can think of some fun things to try to get away with. I mean, the shopping carts from space were a bit much, but I don't see where they pull the rest of these problems out of.

So we're going to make another terrorist attack on the liberal establishment. There's going to be a meeting to find out if any of those other Bozos can be creatively destructive, but I doubt it. The only real "pranks" these past few years have come out of you-know-where. Stay tuned for further developments along that line.

Bye for now.

-Your Semi-Anonymous Servant, You know who.

PS-If you want to know about U2, ask someone who went.

Ricketts: First off, I would like to thank everyone for a very wonderful birthday. It was very special and I really enjoyed it. Thanks. -Brian

We would like to apologize for last week's Inside World. The two substitute writers used their feminine wiles on us, and we were helpless. We will try not to let it happen again, but we are only human.

The dress dinner Thursday night gave Diana and Jerry the chance to rekindle their romantic flame. Nothing puts the spark back into a relationship quite like an honorary zero. Their practice session during waiters' dinner was rumored to be quite spectacular but Jerry was unable to keep up his performance for the regular dinner. Diana, not used to such a lack of stamina, was quite upset and the relationship seems to be on the rocks once again.

Lisa G. is still searching for just that right man. Her standards are quite continued on page 5

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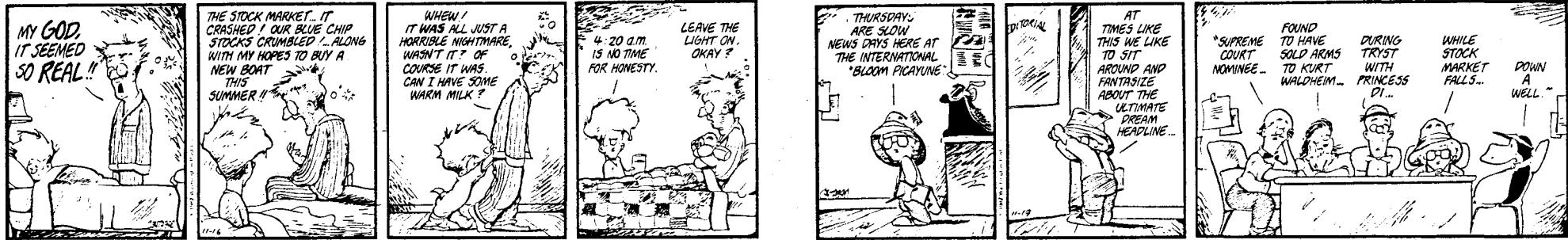
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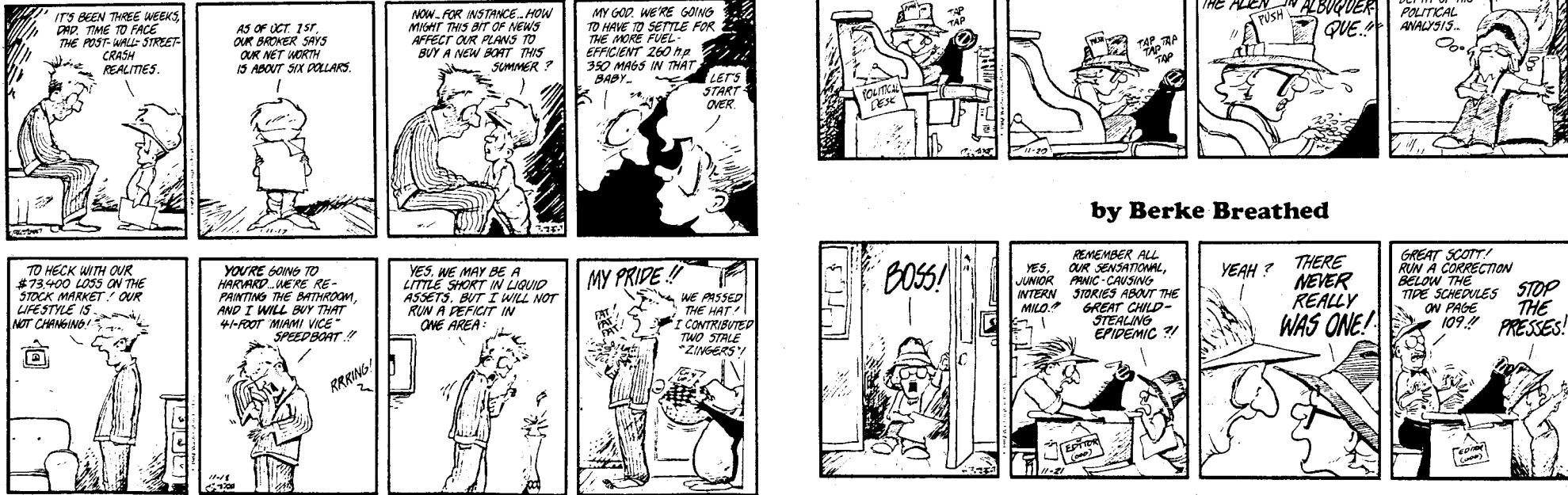
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## BLOOM COUNTY



## feature

### Ingurgitate!

by Nick Smith

The latest stop in our ongoing search for non-fast-food places for around \$5 or less for a meal is International Express, at 1525 E. Colorado (opposite the middle of PCC, near the bicycle shop).

International Express is one of those good news/bad news kind of restaurants. Let's get the bad news out of the way with first: They keep rather strange hours, since most of their business seems to depend on PCC students. That means they stay open late on weeknights, and close early on weekends. (At least 9 pm on weeknights, and as early as 6 on weekends, apparently depending on the amount of business.)

The good news is that the food, while sometimes unusual, is pretty good for the money. Unusual? Well, it's a combined hamburger and Southeast Asian food place, I think. While the lunch fare includes burgers and pastrami sandwiches, buying them there seems like going to a pizza place for wonton soup. The real menu consists of various oriental semi-fast-food items: Mongolian Beef (bits of beef, onions and spices in a tangy sauce, served over rice, \$3.59); Chicken Curry (a mild curry sauce, but served with a salad that has a real killer salad dressing—watch out for your tongue on the first bite, \$2.79); Spicy Shrimp (the expensive item on the menu—\$4.99); Kung Pao Chicken (\$2.99); Roast Duck (a mere \$3.59) and so on through a small menu of Teriyakis and such.

Be warned—the food is only good, not absolutely wonderful, but for these prices there's a limit to what you can hope for.

For drinks, you can have the standard soft drinks and such, but my choice is the House Iced Tea (\$80¢, and a bargain). It seems to be a basic Thai iced tea, and if you've never had that, you've missed a treat. It has ten times the flavor and smoothness of normal iced tea, and cools the tongue after a spicy dish.

International Express is a good place to go for a late Saturday lunch or an early Saturday dinner, or even a late weekday dinner. It's on the way to events at PCC and points eastward. Bon appetit!

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## entertainment

Take the *Music Man* to Dinner

by David Bruning

Are you looking for a semi-formal evening far away from the pressures of Caltech? If so, I may have just the answer to your problem: a performance of the *Music Man* at the Showboat Dinner Theater in Woodland Hills. Although I have been to theaters with better food and performances, this show clearly belongs on your calendar.

For those who have not seen the *Music Man*, here is a brief summary. Professor Harold Hill, a traveling con artist/salesman, comes into a small Iowa town. His current pitch, the formation of a boy's band, is just another scam to

connive the townspeople out of their money. Therefore, the town's piano teacher sets out to expose him, but she, instead, falls in love with him.

Along the way, the audience is introduced to the most stereotypical set of townspeople that has ever been written into one script. Meredith Wilson, the playwright, included in his script: a well-meaning but stupid mayor, the mayor's obnoxious wife, a set of bickering wives, a school board that doubles as a barbershop quartet, and an assortment of other interesting characters. In these people, the viewer can almost always recognize someone that he knows.

One of the more notable performances is that by Gene Safan. He manages to effectively portray the role of the bumbling, stupid mayor without any apparent difficulty. Martina Lake does a fine job of acting as well as singing. Lake, as Marian the Librarian, sings one of the more memorable songs from the show, "Goodnight My Someone". One of the great surprises of the show is the appearance by senior Joe Beckenbach as a member of the school board/barbershop quartet, a role he played quite well.

The show-stopper is the performance of "Gary, Indiana" by Tim Eyster, playing the role of Winthrop. Although only about six years old, Eyster not only sings this solo well, but also does a good job of including all the lisps that are part of his character's nature.

The performance of Rusty Jones as Professor Harold Hill proved to be disappointing. He holds his own throughout most of the show, but certainly does not command the scene as well as one would hope. This is especially true when considering the performance that Robert Preston gave when the show was first played.

Another problem was the use of taped music. This can be attributed to the small size of the theater, and is actually only a problem for those that have previously seen the show or are more musically discriminating.

continued on page 11

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## More Inside World

from page 3

high, and she won't take just anyone. She wants a man of grand proportions, a talented nose, and a dominating personality (accessories optional). No men in red need apply.

Ron is also searching for his special someone. She must be a junior GePh major, blond shoulder-length hair, extensively traveled, musically inclined, and have a passion for hoop skirts. Anyone not living in Broken Cherry need not apply.

Other Naughty Bits: Felicity's performance as a dancing girl for interhouse was appreciated by many. It was an eye-catching event. Tempers have cooled after the big fight between Diamond Dave and Buddie. Dave promises not to avoid projectiles aimed at Buddie's door, and Buddie promises not to throw Dave out of his window. Samer says: "SIGN YOUR NAME!"

-The *Lil' Cook-Man and the Great Neck Strangler*

Ruddock: Hi, it's Wax and Vayne again. For today's opener we present the Top Ten Hard Rudd Drunken Bums:

10. Random High School Students
9. Nik
8. Sue Berkeley
7. Manny -n- Kleber
6. Biff "RAD" Yamazaki
5. Eric "Stompy Gus"
4. Dwayne
3. The Unknown Alley 4 Phlegm
2. Amy
1. Psycho

For more Interhouse slander, see the Interhouse Section. Yeah, we wrote that too.

Now, for some old news. The SSSpud Soccer Team emerged victorious over the Blundering Nerds last week. A tip for the wise, Phlegms, bench the walking wounded / brain dead. The Moles went down too. Ricketts and Lloyd are coming up soon in the quest for uncontested second place.

Congratulations to Dave Proctor, that lucky devil, for escaping with the Grand Prize in the "Guess the Frosh Girls" Contest. That van will finally come in handy, right Dave? Pepé finished a sexually frustrated second. Don't forget to waste your time entering the all-new Frosh Nickname Contest now. This one's Betsy's baby. (But is it Mike's?)

Social Event this weekend is broomball with Page. Too bad Dwight is still under suspension.

If anyone is interested in more "Hard Rudd" T-shirts, or possibly sweatshirts, sign up in the 1.5 / 4.5 stairwell.

Rumor of the Week: Pepé got into a battle (?) of wits with Doughboy on Saturday night to prove that he's just as cool. (Or was he just showing off?)

Quote of the Week: "Why are we spending so much money on bands?" - Some random FROSH at the first Interhouse meeting. (We hope you know now.)

-Bets the Frosh

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## Blacker

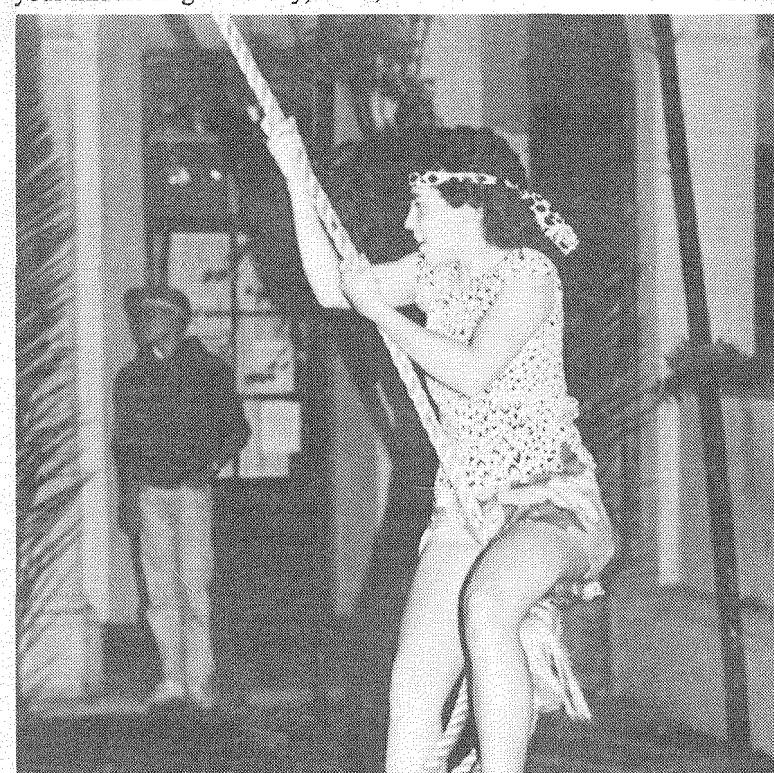
(Formerly titled, "It Must Have Been a Good Party, There's a Hippo in my Room")

It's a jungle out there. And while the courtyard rocked with the hippest (hippoest?) of jungle tunes and wild-drunken-party tunes, hoards of swingin' dudes and scantily clad Amazon beauties gathered around to be a part of the drunken orgy of jungle love that would come to be known as Blacker Interhouse '87.

The lion may sleep tonight, but the wild party animals and jungle gods of Blacker House stayed up well into Sunday morning, swinging through the courtyard on coupled jungle vines (a fantastic Phys 2 demonstration, if not a damn good way to have fun) and tempting the grim reaper himself on the Disco (Disc o') Death. "Sure it's safe. Would we be letting all these Scurves and Darbs ride on it if it weren't?" Just pretend that you're George of the Jungle (watch out for that tree).

Colorful jungle wildlife provided yet more atmosphere to the party. The hippo with that (raise your middle finger and say) "Yea,

-MO'B



"I'm sorry, but the border is closed! You know that citizens of East Berlin are not allowed to the West. Why would you want to go there anyway? They are probably spending a lot of the peasants' money and being immoral. Why don't you go and visit the Opera Haus?"

Damn. The East German border guards weren't budging. And any attempts to scale the imposing Berlin Wall or duck through a hole in the barrier were too dangerous. Just ahead, in No Man's Land, I heard the percussion of some poor sod who had tried to cross. It seems the mine he stepped on had reduced him to vapors. There had to be another way...

"Pssst... friend," a trench-coated figure approached me,

## Interhouse

### Dabney

This year's Interhouse brought to Dabney House the usual Interhouse groupies of past years, which included:

The Olde Darbs (surprise).

The Pasadena high school boys looking for a carnival.

The gorgeous female Pasadena jailbait. Quote associated: "What if I got one up in my room? I'd be scared stiff! As it were."

The Pasadena high school boys looking for said jailbait.

The unattractive female Pasadena jailbait.

"Too cool for Caltech" people from other colleges.

Caltech groupies from other

colleges.

People setting off \$50 fire extinguishers.

Actually, the Most Inane Interhouse Idea In The World worked out astonishingly well, beating out the less participatory Stock Market Crash, which would probably have degenerated into forty depressed stockbrokers drowning their sorrows and passing out in the ticker-tape filled courtyard. Frosh were on hand to plan their paper-mache weeks in advance, EE's were available to ensure that curious Christmas tree investigators didn't kill themselves touching wall current, and Andrew was around to design

the first humanitarian Interhouse Ballistic Missile. Luckily, virtually all the signs were followed, most importantly "Do NOT step on this - you will fall 1 1/2 stories!" with the sad exception of "The ball is rotating. The hole is rotating. It would be easier if you stepped on the rotating platform too, mainly because that would break it!"

Rus warns: All Alley Golf holes are potential fire hazards, especially those in the center of the courtyard on the firebrick.

-Do not open until Xmas

### Fleming

sounds on the soundtrack? By the way the Play didn't offend anyone since no one could hear it. Big Surprise.

The Courtyard: The AMAZING DANCING WATERS™ flashed back and forth in brilliant green. Green? Red was too expensive. Warren Emery was a weenie and didn't show up for his debut in the dunk tank. (And we even had people requesting reservations.) Jaye the trainer took his place though. Daniels and Slovik proved "popular." The Spinner game guaranteed a Winnar Every Time, while the frog game left many people all wet.

The Lounge: Millions of caramel apples, one cotton candy machine, one popcorn machine, and the incredible hot dog maker, (Loaned to us by the CoffeeHouse since they never use it anyway.), not to mention the amazing purple plastic bars. Then came the games:



### Lloyd

speaking quietly with shifty eyes, "I know of a way to smuggle you across to the West. Meet my compatriot inside this abandoned boarding house, but be careful... guards still patrol the darkened halls." Only a rustle of leaves remained to receive my thanks.

Inside, I found others with the desire for freedom, and when the guards had passed, we scurried past the propaganda still pasted on the walls to a second story window. The rickety bridge thrown over to the West looked doubtful. Suddenly, the murmur of the crickets was broken by the tromping of heavy boots behind me. "Halt! Oder ich will scheissen!" Gunfire erupted but I was already downstairs in West Berlin.

I acknowledged a West German

guard hanging out of his guard tower, singing. After a quick snack, I began to mingle. The party-goers were having a great time, dancing to the New Marines, or conversing in the nearby tavern. Everyone was in good spirits; some on their fifth or sixth cup. Perhaps, I had a few too many also... all of the girls seemed to be getting younger.

The band was stopped early for enticing violence, but by then we were all tuckered out. Along the road back to East Berlin, we made note of the fun we had that night. The East Germans welcomed us to their country, but I recall overhearing a puzzled border guard commenting to himself, "Vait a minute... vasn't that fellow going to visit the Opera Haus?"

# Extravaganza



## Page

This year's Page Interhouse Autumn Soiree was the usual *incredible success*. In fact, our party was so *awesome* we had the authorities there *three days* before we even tapped the keg. People lined up for *miles* to experience the *incredible thrill* of the *awesome* gravity free-roller roller coaster. The bar was *packed* with those looking for something to calm their nerves after subjecting themselves to the *tremendous* forces experienced while being whipped around the *multiple hairpin turns* at *incredible* speeds on that *roller coaster o' death*. A whole bunch of people showed up just to sample the *tasty, low-alcohol* Jungle Juice our award-winning Page house bartenders spent weeks trying to perfect. *Mmm-mmm!* And, of course, we had the usual *ever-flowing fountain* of Beer. You couldn't even cross that dance floor because of all those *incredible babes* getting down to those *terrific jams* played by our *awesome professional* DJ. He kept those platters spinning 'till we couldn't dance no more. Yowsah!

Keeping with the Page House motto "Safety First" we made sure the Ride was *personally inspected* by members of the Pasadena Fire Department to make sure that no further serious accidents would occur and also to find out if it would

—By Knifeman

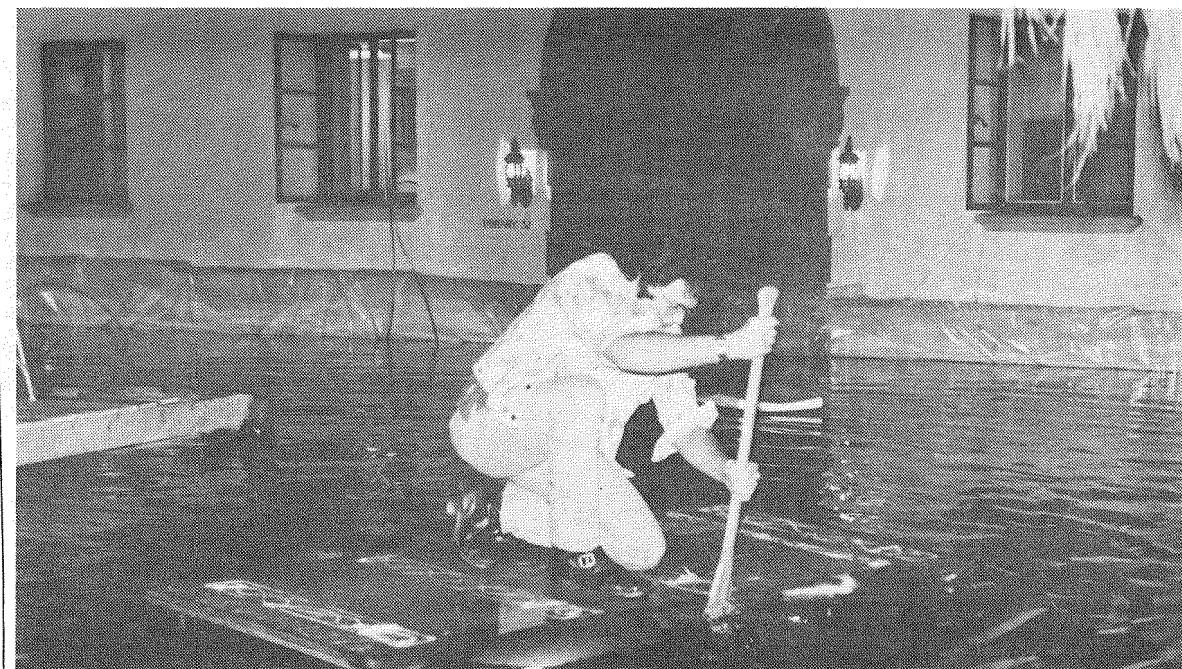
possibly get in the way if there was a fire or some other major disaster during the party. The residents of Page cheerfully complied with the firemen's suggestions for improvements. And, of course, we shut down the bar early so those high school kids could get to bed.

The Decorations Committee spent *months* getting the atmosphere *just right* to present the illusion of a *real New Orleans Mardi Gras* to the *hordes* of party-goers we were expecting. The courtyard was made into a simulated swamp with *tons of fresh green foliage* generously donated by B & G. A storm effect was *ingeniously* created inside the ride by swathing it in black plastic, pumping it full of *impenetrable* mist generated by a few tanks of LN<sub>2</sub>, and using strobe effects to produce a *brilliant* lightning-like spectacle. And, of course, we had the *traditional* Mardi Gras diorama of *Gumby and the Dragon*. No Mardi Gras would be complete without it.

Incidentally, *Gumby* hasn't been seen since Saturday night. Apparently those High School girls found him to be irresistible to leave behind. (Nudge, nudge, wink, wink, say no more!)

This year's Page interhouse was so *awesome* I wouldn't have believed it if I hadn't been there myself.

—By Knifeman



## Ricketts

As the sun set over the western horizon, the gentle chirping of crickets rang softly in our ears, the refreshing smell of mint juleps wafted to our noses, and the *Scurvy Princess* began its maiden voyage down the Ol' Mississippi.

The trip on Colonel Ricketts' prize showboat began as the passengers slowly took in the festive atmosphere and became acquainted with one another. The dining room opened early and the guests quickly queued up for Chef Candell's delicious repast. The authentic cajun buffet, including his famous Filet d'Alligator, was enjoyed by all. The ship's bar, under the auspices of the head bartender,

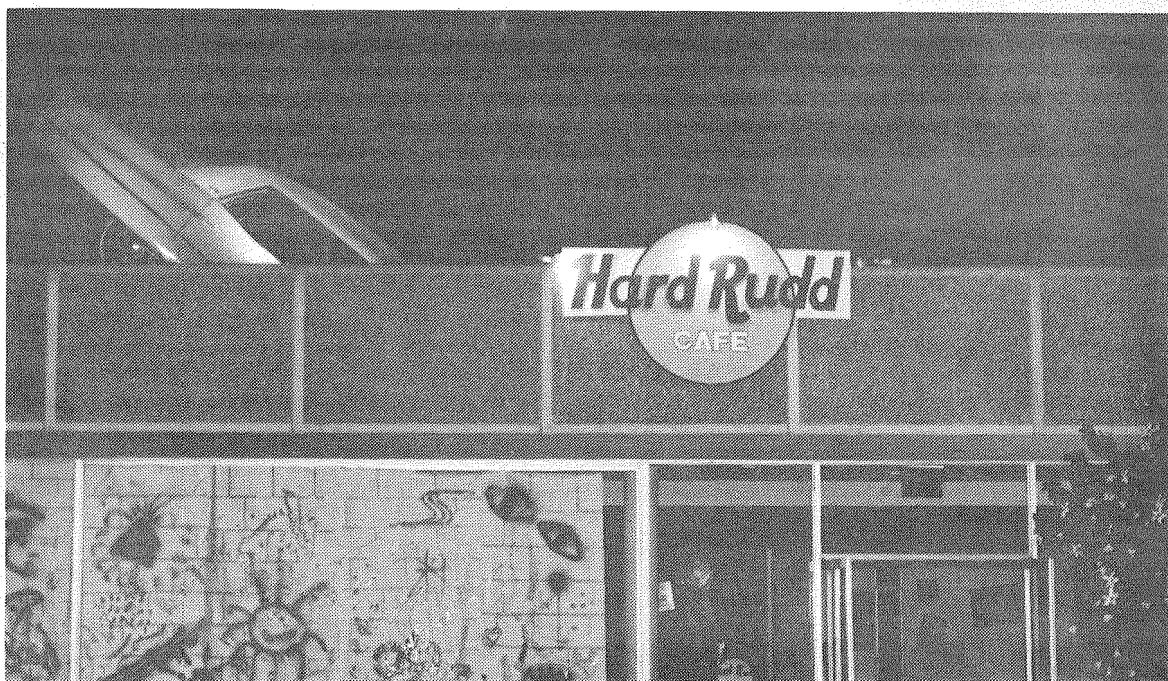
Kirk Hargreaves, was also open early to the gratification of many a thirsty reveler. The preferred drink of the evening was Kirk's personal rendition of that most southern of delights, the mint julep.

As the evening continued, the passengers made their way into the gambling lounge. Blackjack, poker, and craps were the games of the evening as those lucky enough to come out ahead had a plethora of souvenirs upon which to spend their winnings.

Throughout the voyage, children from homes along the Mississippi could be heard playing in the water. In the distance, a lone bonfire lit up the night with its comforting glow.

The festivity hit its peak when the ship's very own Dixieland band took the stage. Dancers took to the floor, led by none other than that master hoofer himself, Gary Lorden. After an hour, the dancers were ready for a break, and it was showtime. Five of the most perfect examples of feminine pulchritude kicked up their heels for an enthralled audience. After a standing ovation, the dancers retired off stage as the band struck up the rousing tunes again.

And so the evening finally wound down. Many a heart was happy and many a head was dizzy, but all had lasting memories of an exciting and beautiful evening aboard the *Scurvy Princess*.



photos by Mark Chamness

## Ruddock

had the task well in hand by 2:00AM.

Saturday dawned bright and crisp over the hot pink Cadillac on the roof. Vast quantities of food and drink arrived to fuel the slave laborers (frosh) for the final effort. Last minute decorative details were finalized, and enough alcohol to drown a division was piped through the back door of the Hard Rudd Café. The bands arrived and the party was ready to begin.

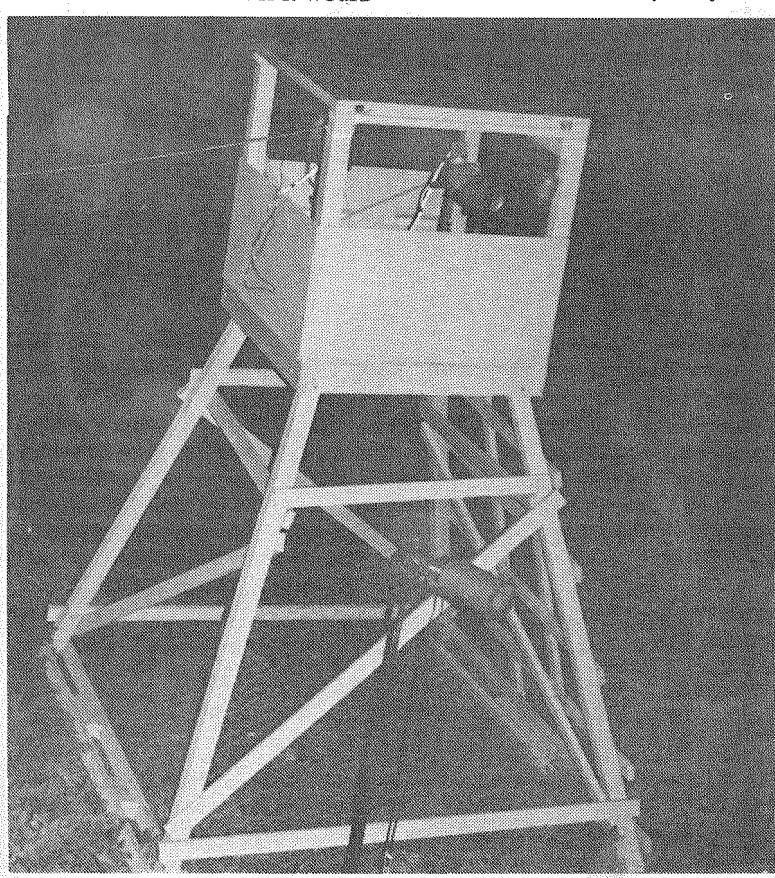
The guests arrived early and stayed late while the bands played on without a break. The pounding soul propelled the orgiastic throng to a hedonistic crescendo, but there were some low points too. A certain rival house president imbibed so much Hard Rudd alcohol that he

completely redecorated the 1.5 lounge. In addition, an unknown red-shirted individual graced the floor of the Alley 4 bathroom for quite some time. He was so wasted that he remained unphased even by Dwayne's corn flakes from heaven. Also, a certain Resident Associate, failing to set a good example for the impressionable young students, drove the big porcelain bus to catharsis the following morning.

All that is left are some cool T-shirts, a pink piano, a Caddy on the roof, a Hard Rudd sign, a jar of jalapeños, and some memories. In the objective opinion of this reporter, Ruddock Interhouse kicked ass! —Tech Correspondent José Frink

PASADENA - Hard-working college students (and Betsy) danced the night away to the beat of "Junior Mints and the Dukes of Soul" and "Jean McClain and Collectors Item" last Saturday night. The drunken revelry continued long into the night, failing to be deterred even by the omnipresent security. According to one eyewitness, "It was much better than 'CATS'; I ruined a perfectly good couch."

Grand Dragon Betsy drilled the troops long and hard the previous evening to complete the audio-visual spectacular that was the Hard Rudd Café. Many Techers were seen working for the first time since last Interhouse. Armed only with a whip and her voice, she



# Harriers Place High At Bay Area Meet

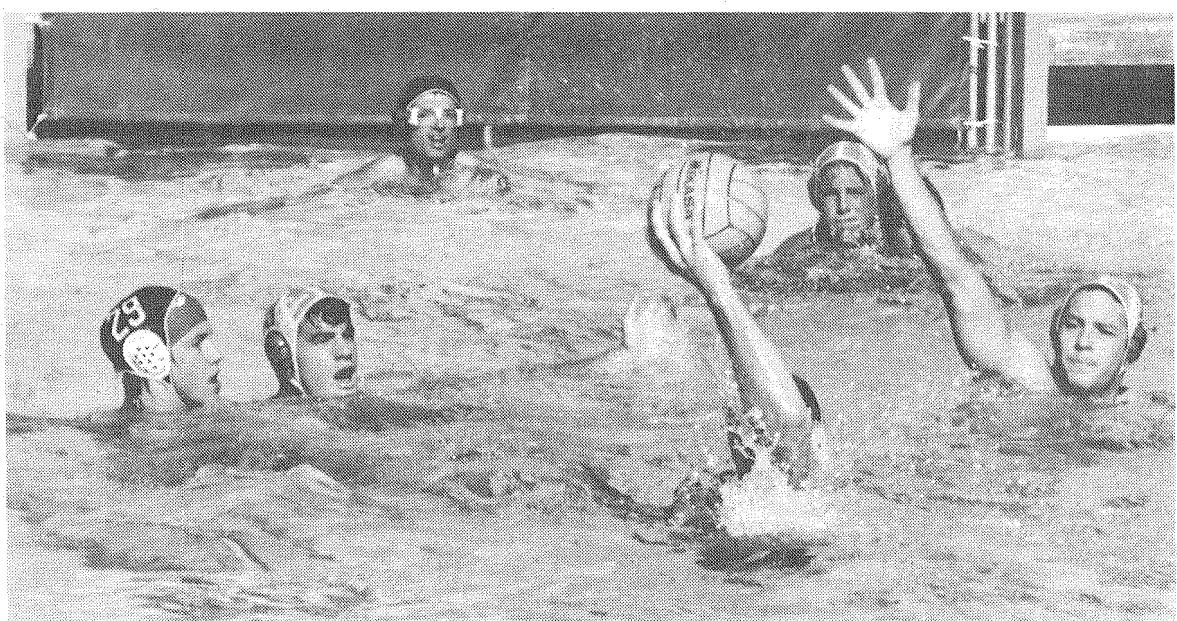
by Gladys Over

The Cross Country Team completed their winning season with fine performances at the Regional meet in Belmont, California. The men finished eighth in the region, the best showing in several years. The women's team finished eleventh against a strong field equaling last year's performance.

The course was challenging, consisting of many upward and downward grades, requiring careful planning to avoid flaming painful death late in the race. Despite this, Bibi "Danish Dynamite" Jentoft-Nilsen was able to run in the excellent time of

22:21, one of her stronger performances. Margi Pollack and Liz Warner achieved personal records with times of 22:50 and 23:07, respectively. Betina Pavri was next at 24:48, followed by Carmen "shoot from the lip" Shepard and Ami Choksi several runners later. Despite their best efforts, the strength of the competition prevented a higher place in the Regionals. The women's eleventh place finish and 10-8 record represent a continuation of last year's winning performance. Since none of the women are seniors, the women's team should be strong

continued on page 9



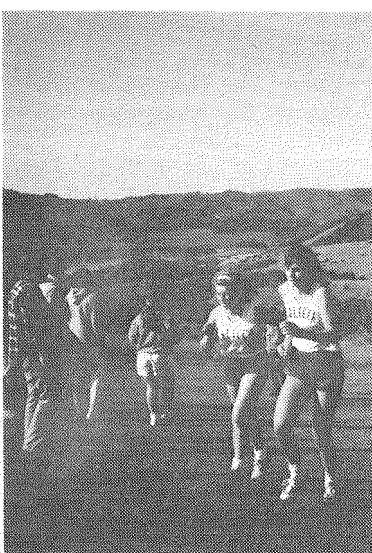
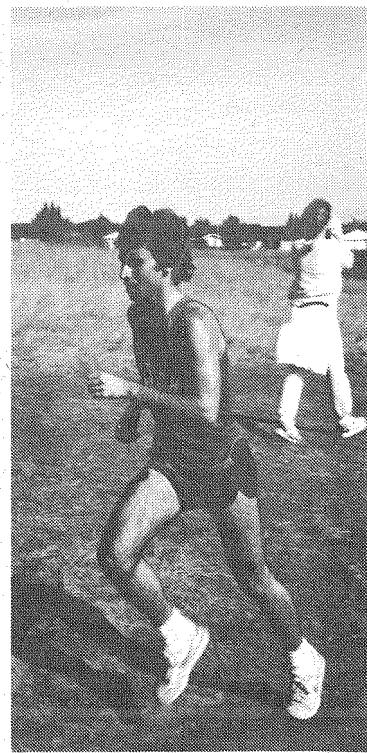
Bruno "David" Bruning whips in the final goal of his Caltech polo career in the annual season climax, "The Toilet Bowl," against their fellow league cellar-dwellers, Redlands. The Beavers flushed the match.

photo by Teri Engelhardt



Caltech's cross country team harried a bit in Frisco for Regionals last weekend. Above left, standing, are Coach Jim O'Brien, Paul Lytle, Chris Campo, and John Gehring. Kneeling are Wayne Lukens, Joe Shiang, Scott

continued, next column



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## Fencers Show Spirit

by "ME"

In the last dual meet at Oxy, the men's foil and epee teams each beat the Oxy team, bringing season team victories up to one each for all the men's teams.

The men's foil team, led by Paul Rubinov, who had a record of three for six on the day, was supported by Robert Coker and freshman Steve McLaughlin, who each contributed an individual victory over Oxy opponents, and beat a strong Oxy team by five to four. Robert Coker also had a victory against an UCLA opponent.

Men's epee, winless against UCLA, also beat rival Oxy by a score of five to four. Captain Jeff Greason contributed one victory,

while Joe Dadek and first timer Allen Pierce each won two of their three bouts.

Men's saber had a good day with the exception of Matt Himmelstein, who beat both the UCLA and Oxy captains and then lost to everyone else. Sean Johnston, a returning sabrer from last year, made his first trip of the year and contributed two victories over UCLA and one over Oxy. Ray Sidney, the left-handed freshman sensation won two bouts, one from each of the schools, to up his personal record to four and eight, excellent for a new fencer. Final team scores were a 4-5 loss to UCLA

continued on page 9

**Sports  
Editor  
Wanted**

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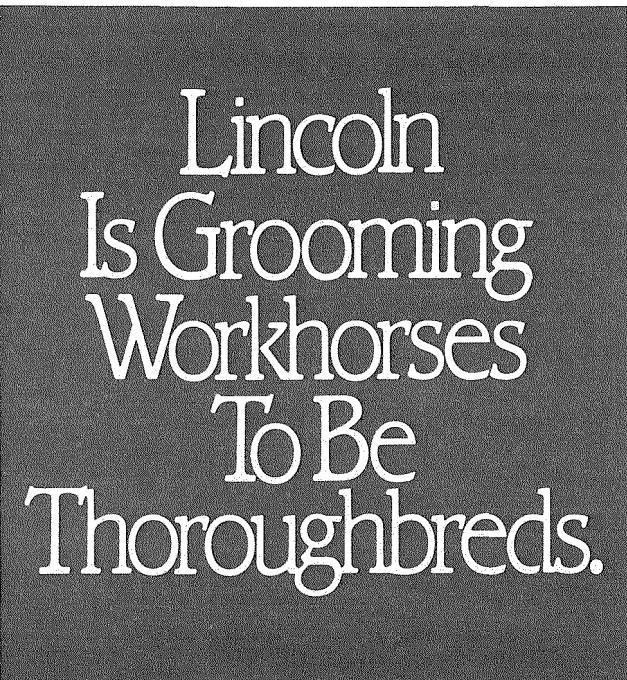
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## sports



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photo by Teresa M. Griffie

Eric "Cockroach" Newman (33) maneuvers his way around his opponent. Caltech Beavers beat the Lincoln Heights Rebels last Saturday. They play the Pasadena Police at noon this Sunday on our fields.

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	11-20	4:30 pm	Wrestling	El Toro Marines	Caltech
Fri.	11-20	TBA	Basketball	Christ College Invitational	Christ College
Sat.	11-20	TBA	Basketball	Christ College Invitational	Christ College
Sat.	11-21	10:00 am	Cross Country	NCAA Div. III Nationals	TBA
Sat.	11-21	11:00 am	Fencing	UCSD, CSUF	Cal State Long Beach
Sun.	11-22	12 noon	Football	Pasadena Police	Caltech
Sun.	11-22	11:15 pm	Ice Hockey	Cal State Northridge #2	Pickwick Ice Arena
Tue.	11-24	7:30 pm	Basketball	Loma Linda University	Loma Linda University
Mon.	11-30	7:30 pm	Basketball	Loma Linda University	Caltech
Wed.	12-2	7:30 pm	Basketball	LIFE College	Caltech

## Fencing

from page 8

and a 3-6 loss to Oxy.

The women's foil team doubled its roster by adding Kitt Hodsdon, who won several touches in her first ever boutting experience. Miriam Myjak, another freshman, showed great promise when she beat an Oxy fencer for her first career victory.

This Saturday the Caltech fencing team will travel to Long Beach for its third dual meet of the season. The fencers will compete against UC San Diego and Cal

State Fullerton, two powerful opponents.

Though this half of the season has been disqualified because of forfeits, the fencers are gaining valuable experience and there is promise for an excellent second half, for which the team is allowed to fence, as well as a possible trip to Regionals.

Many thanks for our devoted fans and a reminder: the booster bus leaves for Cal State Long Beach at 9:15AM this Saturday, and good reserve seats are still available for the January 30 home meet.

## X-Country

from page 8

next year as the women continue their pattern of improvement.

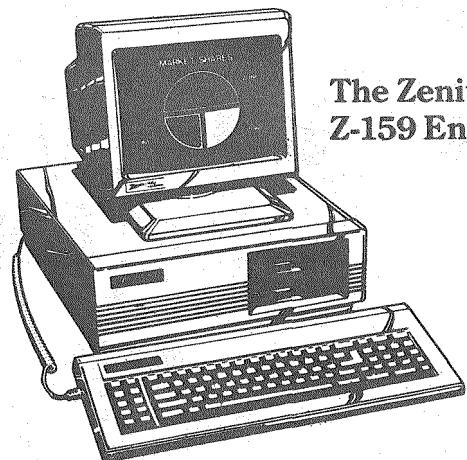
Fired by an anonymous booster's promise of '62 Vettes to those who finished under thirty minutes on the 8000m course, the men performed well as a team. The men placed eighth in the region, ahead of the usually strong Redlands team and only two places behind Conference powerhouse Occidental.

John Gehring turned in his usual strong performance, crossing the line at 28:56. Alex Athanopoulos, at 29:50, ran a truly impressive race on a demanding course. He was closely followed by Wayne Lukens, a mere six seconds later. Joe Shiang was next at 30:24, finishing with a sixty yard sprint which placed him .3 seconds ahead of Redlands' second runner. The Three Merry Frosh, Scott "Soldier Boy" Kister, Mark "Hari Krishna" Lytle, and Chris "Navigator" Campo, cruised along with excellent times of 31:19, 31:59, and 33:57, respectively.

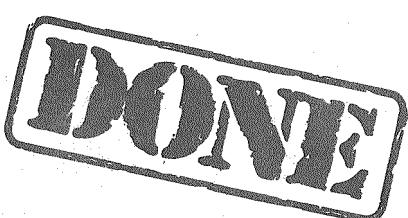
Coach Jim O'Brien deserves much of the credit for Caltech's success in cross country. Combining vigorous, on-campus recruiting efforts (Shanghai?) with enthusiasm that inspires harriers to run in the sun and rain (sometimes simultaneously), he has increased both participation and improved overall team performance.

Under the continued guidance of Jim "100-Mile-Warm-Up" O'Brien, cross country at Caltech will remain a strong program in the foreseeable future. Unfortunately, all good things must come to an end, and cross country is no exception. Thus the season ends, and the runners are back to thinking about such ugly things as pendula and line integrals between the hours of four and six. But then again, there's always track.

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## stuff

from page 11

## Are You Glamourous?

Caltech students are invited to participate in *Glamour* magazine's 1988 Top Ten College Women Competition. Young women from college and universities throughout the country will compete in *Glamour*'s search for ten outstanding students. A panel of *Glamour* editors will select the winners on the basis of their solid records of achievement in academic studies and/or in extracurricular activities on campus or in the community.

The 1988 Top Ten College Women will be featured in *Glamour*'s August College Issue. During May, June or July, the ten winners will receive an all-expenses-paid trip to New York City and will participate in meetings with professionals in their area of interest. Last year, Pamela Feldman, a Caltech undergrad, was selected as one of the ten.

Anyone who is interested in entering the search should contact the Public Relations Office here at Caltech for more information. The deadline for submitting an application to *Glamour* is December 15, 1987.

## Our Future, Our Choice

You heard Professor Amnon Yariv discuss the APS report on the "Star Wars" program in his recent Watson Lecture. You realize that "Star Wars" is probably not the answer to world security for the next x years. But are there alternatives? Dr. Carol Rosin, founder and director of the Institute for Cooperation and Security in Outer Space and a former defense industry worker, will address that very issue as the keynote speaker of a day-long forum co-sponsored by the Space Weapons Study Group, Caltech WorldWork, and the Southern California Federation of Scientists. The event, to be held on Saturday, November 21, from 1:00PM to 6:00PM in Baxter Lecture Hall, will also feature a discussion of "Critical Issues in the 1988 Elections" moderated by Professor Bruce Cain, and three short films about important issues in the nuclear arms race.

## International Leadership

The International Leadership Center is seeking applicants for the second session of its summer-long leadership development program. Fifty outstanding men and women from campuses across the country will be selected to spend 10 weeks strengthening their leadership skills. This non-partisan program takes place between June 10, 1988 and August 18, 1988.

Leadership America includes one week in North Carolina, one week in the Rocky Mountains, and three weeks in Dallas, Texas. It also includes a four-week internship in business, government or community service followed by a closing session in Washington, D.C.

Students incur few expenses in Leadership America since most costs are underwritten by corporate sponsors. In addition, participants receive a \$2500 scholarship. To be eligible for selection in Leadership America, a student must be currently enrolled at a qualifying school (Caltech, for instance), and have completed the junior year of his or her studies by June 10, 1988. The primary criterion for selection is that the student have an "outstanding potential for leadership." Selection will begin in February 1988, and invitations will be extended in mid-March.

For additional information about Leadership America, contact the Deans' Office, 102 Parsons-Gates, x6351. Applications for this program must be completed no later than January 29, 1988.

## Exciting Part-Time Jobs

The Career Development Center currently has two excellent opportunities listed in the office for part-time work at JPL or on-campus. The first job is for undergraduate or graduate students with an interest in error correcting code issues related to the transfer of digital information from micro computers to video tape. Work can be done either on-campus or at JPL. Contact Dr. Jim Stephens in the Technology Utilization Office at JPL. His number is 354-3310.

The second position is in High Energy Physics. The Caltech Group working on the L3 Experiment, now under construction at CERN in Geneva, Switzerland, is looking for students with some experience in computing or electronics. The projects will use computers at Caltech, and at CERN (via networks) in some cases. Successful projects may be followed by summer work at CERN, where appropriate. The CDC has more information about job descriptions and requirements.

For more information, come by the CDC, 08 Parsons-Gates, or call x6361.

## Buy Used Jock Stuff

The Athletic Department has a considerable amount of surplus athletic equipment and clothing for sale. A general description of the items available is available on fine bulletin boards everywhere, and a detailed listing of specific items and minimum bids can be obtained from Roger Garcia in the Equipment Room at the Gym. Bids are to be submitted in writing to Marc Otto, Director of Surplus Property at 315 Keith Spaulding Building. Bids must be submitted by November 25, 1987.

## Naval Engineering Scholarships

The American Society of Naval Engineers is offering scholarships to students who demonstrate an interest in Naval Engineering. The awards will be for \$1,750 each for the 1988-89 academic year. Support for undergraduate work is limited to the student's final one or two years of undergraduate education. The deadline for receipt of scholarship materials is February 15, 1988. For further information, please contact the Financial Aid Office at 515 S. Wilson (2nd floor).

## Open Season On Techers

There are two more weeks and then the fall recruiting season will come to a close on December 4, 1987. You will be glad to know that there are companies who want to have an interview with you. Come and sign up at 08 Parsons-Gates.

McDonnell Douglas Information Systems, November 30, 1987. BS, MS/ME, EE, CS, Ma, Ph. Permanent residency required.

Pfizer, Inc., December 2nd, 1987. PhD/Ch. Student visa.

O'Connor & Associates, November 30, 1987. BS MS/Ch & ChE, E&AS, H&SS, Ph, Ma & Ay Divisions, GeCh, GePh. Permanent residency required. Meet the recruiter on November 29 from 7:00 to 8:00 pm in Winnett Lounge.

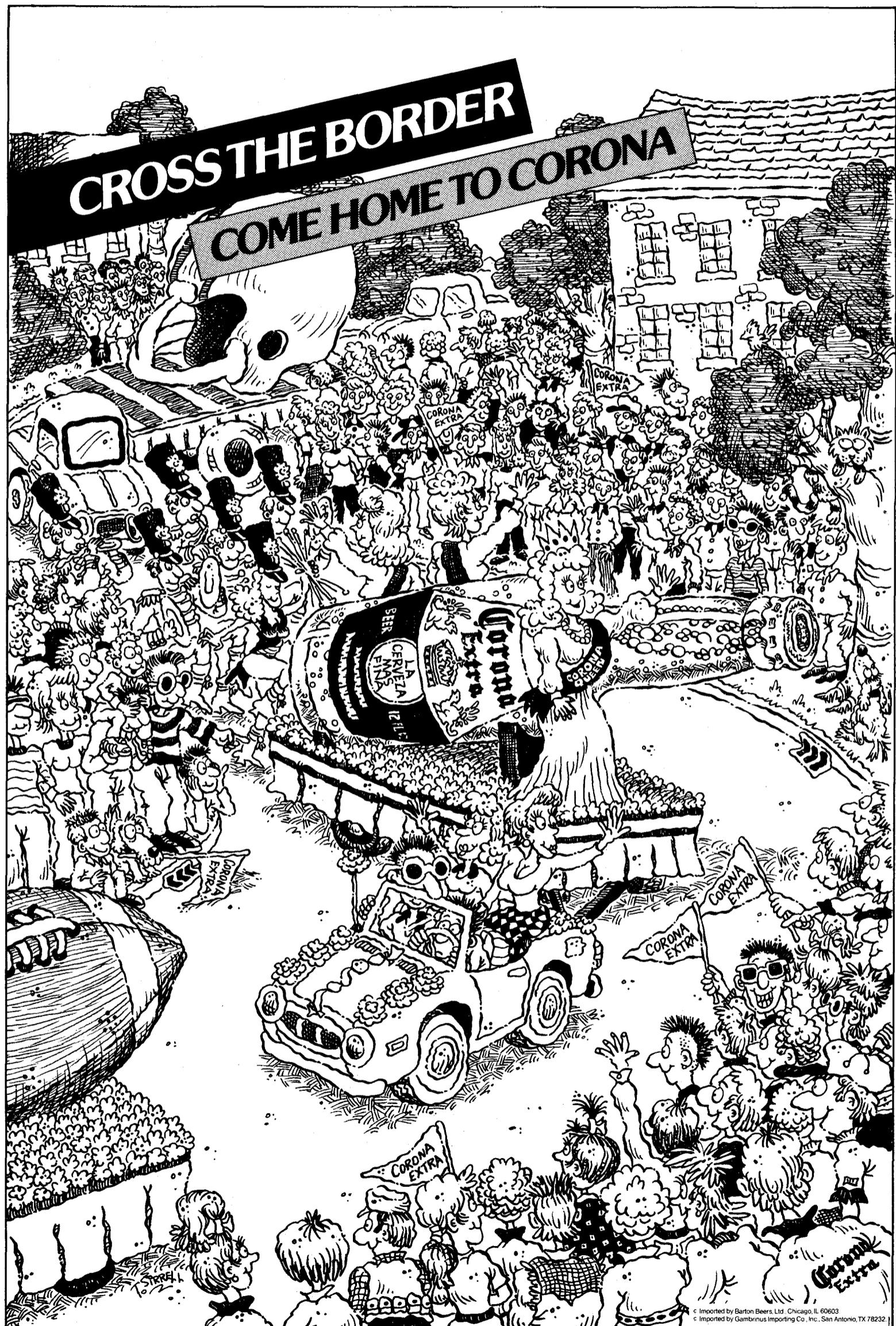
Naval Weapons Station [sometime soon—the CDC forgot to list the date]. BS MS/EE, ME; PhD/Ph. Citizenship required.

Lincoln Electric Co., November 20, 1987. All degrees/EE in power electronics. Permanent residency required.

IBM Corporation (seven divisions), December 4, 1987. BS MS/EE, CS, ChE, Ph, MS. IBM will have an information meeting on December 3 from 10:00 am to 3:00 pm in Winnett Lounge.

Henkel Research Corporation, November 24, 1987. PhD/Ch. Permanent residency required.

AT&T Com/IS, December 1 & 2, 1987. BS MS/EE, CS. Pizza Party on November 30 from 4-6 pm in Winnett Lounge.



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**Honor cont.**

from page 3

This led to him being called "Flip."

Does this example show that the BOC is a new version of the Inquisition? Is it appropriate to for the BOC to "re-educate" people, or intimidate them? This kind of thing may help the BOC in some cases, particularly in cases in which someone needs to be convinced that an honor code violation has occurred. Two questions come to mind: Should the accused have the opportunity to argue his interpretation of the events, and does the BOC have the right to force its opinions on someone who hasn't committed a violation?

I don't mean to imply by this example that the BOC is inherently bad, nor that it doesn't serve its purpose well. This article is intended to inspire thought, not stir up rebellion. The case ended up alright—nothing happened to me, and Mark put the lock back the way it was. All's well that ends well, right? Think about it for yourself—I draw no conclusions other than feeling bad about the experience.

Another interesting issue is the fact that students are the only party obliged to do anything by the honor code. There are unwritten and unspoken rules of conduct for the faculty, administration, and

other organizations, but it often seems that non-student members of the community abuse the honor system.

For example, taking the steam tunnels off of south master was taken by many students to be a direct statement that students can't be trusted. Likewise, classes with no collaboration policies or in class tests are not banned by any rule, nor are they non-existent. Sometimes this is fine, sometimes not. There have been times that students have felt "raped" by a restrictive homework policy, but for the most part faculty and students find a fair compromise.

In conclusion, I would like to sum up the impressions I got from the campus about the honor system. When I was talking to Nicole, she tried to remember an applicable quote by Leonard Wibberley. What she said rang true. She found the real quote later, which is somewhat different from what she had said. What follows is a combination of the two with some of my own touches:

"There was the Code. Some of us followed the Code insofar as we could understand it because it was given to us. We had many interpretations of the Code, but there were common factors to all of them, and we decided that these must really belong to the Code,

whatever might be thought of the differences. So some of us accepted these factors. Some denied the Code. But there were those of us who denied that the Code had a Greater Meaning but followed its precepts because for them it was the right thing to do."

### From the Makers of Lite Jolt: ASCIT Minutes

**Lite**

Unofficial ASCIT minutes for Tuesday, November 17.

1. Richard Reid was sworn in, so I guess he won the election for Director of Academic Affairs.
2. The ASCIT van is in the black, congratulations to Jeff Flint.
3. ASCIT has not quite received first term dues, so it is low on money.
4. Eric Hassenzahl is still clueless, even after getting Nancy Drew's notebook. He still wants to know what parties to throw or he might end this term under budget.
5. Richard Reid and Jeff Tekanic would like suggestions from the student body on what to do with the TQFR.

Meeting ends in eight minutes.

**IHC Mini-Minutes**

IHC unofficial minutes for Tuesday, November 17. The meeting was held a day early for the U2 concert.

1. Drop day is Monday, November 30.
2. Bibi tells us that the S/FC sub-committee chairpersons have been assigned and everything is underway.
3. Bob reads a letter to Everhart: a professor is annoyed by motorcycles almost running him over on campus, he wants something done about it. Action: a memo will be sent to the houses to be announced at dinner and posted: GO SLOW, remember, pedestrians have the right of way.
4. The Pantry asks Page House for \$158 for the shopping cart incident.
5. People are generally annoyed by the Page Interhouse invitations (Reportedly received by people on street corners in Hollywood.). Page president, Tony Wittry, is noticeably absent but there are two Page representatives present. Everyone is annoyed that "undesirables" showed up, Lloyd is annoyed that their band was advertised without their consultation,

Bob is annoyed that the invites were distributed in Hollywood, I'd be annoyed that Page decided to ignore the previous week's (November 4) IHC agreement not to do any Interhouse advertising.

It is decided to put it off until next week when they could talk to those distributing the invitations.

6. Talking about Interhouse, Bob was not too pleased about: the fight that broke out on the Olive Walk (Between non-teachers), the generosity of the various bartenders (Too much alcohol, no mixers), and the slamming by even more non-teachers.

7. Now, in addition to calling x5000 and maybe 911, Stuart Miller, the director of the Health Center, would also like to be informed of any accidents us teachers get into so he can: have a say about who might operate, help in transportation of the injured, and help with any problems in paperwork.

So this what to do in an emergency: call x5000 (or 911 first, depending on the circumstances.), when you have a spare minute call the Health Center, get Dr. Miller, and tell him about the accident (Medical emergencies only, please). The Huntington might call him when a teacher shows up in their emergency room, but it would be nice to give him a little more warning than that.

8. Is the food service really going out to bid? Again, this is going to be put off until next week, but Bob was annoyed that the food service committee did not consult the MOSH's office in this matter.

9. Lloyd wants to put off its Discobolus challenge until after KEL-ROF. Nobody minds, just so long as it is resolved by next Wednesday's meeting.

The meeting ends in a rush as ASCIT has to use the room next. *Disclaimer:* Any mistakes or editorializing in either the ASCIT or IHC minutes contained herein are all Huie's fault and if you want the real thing ask Eric Scharin (ASCIT) 1-53 Page, or Frank Vasquez (IHC) 1-57 Fleming.

**Music Man cont.**

from page 5

Considering the size and scale of the theater (100 people and three nights a week), the show was a success. I would recommend this to anyone who wants to get away for an evening.

Shows are Fridays, Saturdays and Sundays at 8:30, 8 and 7PM, respectively. Dinner begins an hour and a half before showtime. Prices are \$20, 23 and 21.

**stuff**

from page 12

**Free Floutist In Dabney**

Floutist Toby Caplan-Mintz, joined by pianist Christine Parker and flutist Laura Caplan, will perform in Dabney Hall Lounge at 3:30 pm on Sunday, November 22. The program will include works by Milhaud, Messiaen, Damase and Dutilleux, among others. Admission: free. Call x4652 for information.

**Letter Jacket Orders**

If you are interested in ordering a letter jacket, please contact Brad Scott, Blacker #6, by December 6.

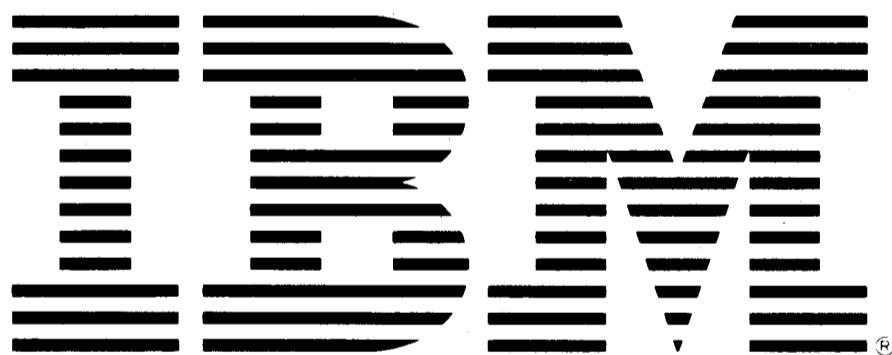
**de Karman Fellowship Trust**

The Josephine de Karman Fellowship Trust is offering 15 fellowships of \$3,000 each. These fellowships are available to students entering their senior undergraduate year and graduate students entering their third year or after of graduate school in the fall of 1988. The grants are for one year and are not renewable. For further information please contact the Financial Aid Office located at 515 S. Wilson (2nd floor).

continued on page 10

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**December**

**3**

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(Stop by anytime)

## 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.

## Robots Battle To The Death

On December 3rd, 1987, at 2:00 pm, Baxter Lecture Hall will be turned into a battleground for the students of ME72... or at least for their term projects. The assignment was to turn a bag of miscellaneous parts into a functioning mechanical device capable of winning a tug-of-war against other devices built from the same assortment of spare parts. Devices are being impounded and safely locked away after the pre-combat weigh-in ceremony next week. Come see the next generation of droids!

## Ski Mammoth!!

The Caltech Y is organizing a trip over Thanksgiving Weekend. \$60 includes lodging, transportation and group food. Wednesday, Nov. 25 to Sun. Nov. 29. Call x6163 for more information.

## Tom Must Die

Tom Tromey has not yet died from a suffocating amount of *Totem* submissions. This situation should be corrected since Tom must die. If you have the merest shred of creative ability, you should send something to Tom at 1-59 for this literary magazine. If you have the ability and don't give him anything, you must have the self-respect of a watermelon. Submit soon or else Tom will grow a manure grub to kill you.

## CLASSIFIED ADS

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## LOST

DUNLOP MAX 200G TENNIS RACKET in room 252 West Bridge on Nov. 6. Please return to either Lost & Found at the Y, or to Atul Suklikar, room 134, Page, 356-9111.

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.

## Luau—It's Saturday Night!

Aloha! Come party at 150 S. Chester, Saturday, November 21. Live DJ and dancing at the poolside. Refreshments will be served. Music and dancing begins at 9:00 pm. Come early since the amplified music must be turned off by 1:00 am. If you have any questions contact Julie or Selena at 577-5494.

## RF Club Meeting

Now you can be a part of the fast paced world of practical jokes. In order to start off the 1988 RF season, we need a major prank. If you are interested in helping, come to the first meeting of the RF club on Tuesday, Nov. 24 at 8:00 pm in Room 13 of the Student Activities Complex, or call Calvin Techer at x6181. This is no joke!

## S.P.E.C.T.R.E. of Science Fiction

S.P.E.C.T.R.E., the Caltech Science Fiction Club, will meet a week late, on 2 December 1987, because of the Thanksgiving holiday next week. We will meet in the Y lounge again, at 7:30 pm; we will show a science fiction movie (to be announced), and I promise to have a VCR and TV reserved beforehand this time! For more information, call Mark Looper at 304-0006.

## Get In The Holiday Spirit!

The Caltech Men's and Women's Glee Clubs will hold their annual Holiday Concert on Friday, Dec. 4 at 8:00 pm and Saturday, Dec. 5 at 3:00 and 8:00 pm. Francis Poulen's "Gloria" will be performed, as well as other festive music of the season. The concert will be held in Dabney Hall. Early response is recommended due to limited seating. For tickets and information call 1-(800) 423-8849.

## Free Orchestral Performance

The Occidental-Caltech Orchestra will perform in Ramo Auditorium at 8:00 pm on Monday, November 23. Under the direction of Allen Gross, the orchestra will perform works by Beethoven (Symphony No. 8), Strauss (Horn Concerto No. 1) and Copland (El Salón Mexico).

Horn soloist in the Strauss concerto is David Hodge. Hodge, a California resident for most of his life, was employed as an assistant engineer in the Caltech biology electronics lab before making the decision to pursue full-time horn playing. Besides being principal hornist with the Occidental-Caltech Symphony for the past five years, he has performed as a soloist and as a member of the Caltech Wind Ensemble and the Caltech chamber music groups. Last season he joined the Downey and Rio Hondo Symphony Orchestras. Admission: free. Call x4652 for information.

## Party With C.L.A.G.S.

CLAGS is holding an all-campus party Saturday, November 21, at 8:00 pm, featuring a live DJ in Winnett Lounge. All members of the Caltech, the Y, GSC, ASCIT and the Deans. For more information contact Laura Anderson at x3956.

## 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 Mathews (student activities coordinator), Room 37 of Student Activities Center, x2935.

## Oliver Takes The Stage

Auditions for that fabulous extravaganza, the Caltech/JPL musical *Oliver!* will be held on Saturday, Nov. 21 & Sunday, Nov. 22 from 12 noon to 6 pm in Baxter Hall, rooms 25 & 33. Anyone interested in cast, crew, orchestra or production should come by. Any questions? Contact Roberta at x6259.

## Putnam Prep

There will be a prep session for the Putnam Math Competition on Monday, November 23, at 7:30 pm in the Math Lounge, 3rd floor of Sloan. Dr. Gary Lorden will review last year's test and give general pointers. The session is open to anyone.

If you want to take the Putnam but aren't signed up, contact Dr. David Wales in the Math office.

## Skeptics And The Supernatural

On Wednesday, December 2 at 8:00 pm in Beckman Auditorium, Dr. Albert Hibbs, retired senior staff scientist at JPL and former chairman of the Southern California Skeptics, will speak on "The Skeptics and the Supernatural." The talk is free and open to the public.

## Does It Exist? Does What Exist?

Can we *certainly* know anything that is not scientifically proven? Is there anything "out there" that has no wavelength? No mass? No dimensions? If so, can we

conceivably know anything about it? These are some of the questions Dr. Raphael Waters will address in the Newman Center's first annual 'Albertus Magnus' lecture on Tuesday, November 24 at 4:15 pm in the Judy Library, Baxter Hall. Waters, an Australian with a background in science, is currently associate professor of philosophy at the University of Niagara. All are welcome. Refreshments served at 4:00 pm.

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## Work In Fullerton?

Beckman Instruments, Inc., a leading manufacturer of medical and scientific instrumentation, is currently looking for a student intern for its plastics facility in Fullerton. They are interested in a third or fourth year engineering student who would work about 20 hours a week for about 3 months. Stop by the Career Development Center, 08 Parsons-Gates, for more information.

## Hey You Guys!

If it's still today and you haven't gone to your 1:00 yet, you're welcome to come to the 12:15 *California Tech* meeting. If you aren't already a staff member, we'll greet you with open arms. If you are on the staff, and you don't show up, we'll talk about how much of a potato you are. So be there or don't.

## Pianist in Beckman

On Saturday, November 21 at 8:00 pm in Beckman Auditorium, pianist Anton Kuerti will present a program that includes works by Beethoven, Mozart and Chopin. CIT student rush tickets: \$6.00. CIT faculty and staff TECHTIX: \$8.75-7.50-6.25, on sale today at noon at the Ticket Office. Call x4652 for information.

## Fast Pitch Softball Team

Fast-pitch softball team forming to compete in the Pasadena city winter league. Season begins around 1/10/88, registration by 12/24/87. We have room for a couple more good players. If interested, contact Steve Eppley at 577-0365.

## South House Ticklers Available

Tickler boards (small white grease boards) are now available for students in the On-Campus South Undergraduate Houses (you know, Blacker, Dabney, Fleming and Ricketts, for those with no directional sense) to pick up from the Housing Office. These boards are provided at no charge for students to place just outside their room door. Sorry, boards are not available for inside student rooms or for the North Houses. Please, only one per room.

## Room and Board Charges

Students should carefully check room and board charges appearing on their student account statement to make sure they have been properly charged for room and/or meal services. This is especially important with summer housing charges. The Housing Office would like to make any corrections now... don't let time pass to the point where it would be difficult, if not impossible, to back-track and determine where and if a mistake was made with a billing!

For any billing questions, call Jeanine Connealy in the Housing Office at x6174.

## More New Humanities Courses

Hum 102—Critical Philosophy: Among philosophers whose works deal explicitly with political questions, the names of Karl Marx and Michel Foucault stand out. Both of them gave philosophy a critical political edge, and their works provide brilliant insights into questions concerning power relations in our modern history. This course will focus on these two philosophers in exploring issues of class, gender, and power, and examine how their works have formed a basis for conflicting interpretations on these questions. Instructor: Gyan Prakash M2-4, W3.

Art 101—Italian Renaissance Art: A study of developments in the visual arts (architecture, sculpture, painting) in Italy from 1400 to circa 1540. Major artistic monuments will be examined within their total context: cultural, historical, economic, stylistic and symbolic, in order that they may be understood as manifestations of the creative process of the individual artist, or artists, and of the ideals of the age they represent. Instructor: Elizabeth Howard, T 7:00 pm.

Art 180—The Literature of Discovery from Columbus to Shakespeare: In the century following Columbus's discovery of America, Europeans had to make sense of a New World and revise their understanding of the Old. Some of the most remarkable of these attempts—from the letters of Columbus and Vespucci to More's *Utopia*, Montaigne's "Of Cannibals," and Shakespeare's *Tempest*—will be the subject of this course. Instructor: Richard Helgerson. MW 2-3:30.

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