

# Alcohol Awareness

by Chris Dunn

"Beer is the glue that holds the Caltech community together," says sophomore Chris Martin.

Whether that be true or not, alcohol may soon be more difficult to obtain after the establishment of a drug and alcohol policy in accordance with new federal regulations.

If the university does not show a genuine interest in preventing drug and alcoholic abuse, it stands to lose federal funding, on which Caltech relies.

Any changes to the current leniency are likely to be mild, as the problem, if the situation can be called such, lacks the severity of addiction and misuse found at other schools.

President Everhart believes the campus to be "in a pretty good state," especially because of the notable absence of coercive peer-pressure.

Admitting that he at times has

wine with his dinner Everhart says, "The whole campus has to be sensible to the potential for damage as well as the potential for good."

Those comments were spoken at last Friday's reception for the announcement of the Drug and Alcohol Policy Advisory Committee (pronounced DAY-PACK). The committee comprises, like any committee at Caltech, both students and faculty.

IHC Chairman Jack Prater, ex officio member of DAPAC, refused to comment on the drug problem. (I told you I'd print it, Jack!)

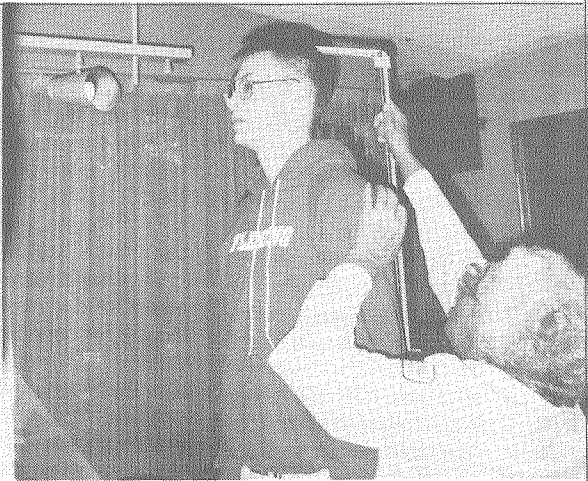
This week of "Alcohol Awareness" emphasizes the possibility of negative effects from liquor use but is not meant to portend prohibition.

Gary Lorden, Vice President of Student Affairs, assures students that, whatever policy is chosen, they will "still live a comfortable life, still have good parties. . . ."



photo by Lei Chen

Jack Prater and Chris Dunn discuss the drug and alcohol problem at a reception at President Everhart's home which was a part of the "Alcohol Awareness Week."



## Health Fair: April 6, 1990



photos by Lei Chen

## Save the Earth -- Recycle

by Matt Johnsen

In the words of an old drinking song,

"Recycle recycle recycle  
It's a very good thing to do.  
Recycle recycle recycle,  
Do it and you won't feel blue."

And you should be aware that it is both getting easier and more necessary to recycle here at Caltech.

Americans produce roughly twice as much trash per capita as other industrial countries (88/89 Annual Report, the Environmental Defense Fund). This amount can be reduced both by decreasing our

use of disposable products, and by recycling everything we possibly can. Here are your recycling options at Caltech:

**White paper:** There should be a bin in every building, and soon in every undergrad house. It is hard to break even financially recycling just now, but pure white office paper gets a good price. Also, colored paper cannot be recycled, so please try to eliminate its use.

**Newspapers, aluminum cans, glass bottles, cardboard and CA redemption value plastic bottles** may be recycled at the Caltech

Recycling Center, located just north of Beckman Auditorium. If you would like to chip in and help out at the center, the Caltech Trash Club meets every week at the recycling center, Fridays 2-3, to keep the place in order.

**Tin cans** can be taken to Ralph's.

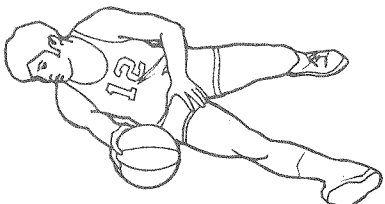
Remember: if you toss out one aluminum can, you've thrown out the equivalent of 1/2 cup of gasoline in energy. Just 4 feet of recycled newspaper saves one tree. You can make a difference in our world.

### CRIME AND INCIDENT BEAT

**CRIME TIP:** Pasadena police have identified a man who smashes car windows as he walks by, as not to appear to be suspicious. Later, he will return and break into the car. If you see anyone breaking car windows notify security immediately so that officers can stake out the location and possibly catch this evildoer.

- 4/3 A suspicious person was reported in West Wilson parking lot at 4:40 a.m. Security located the suspect and followed him up Wilson until he was north of Del Mar.
  - 4/4 A 1170 E. Del Mar resident reported that a car had jumped the curb and was in the flower bed in front of the apartments. The car was towed by an unknown towing company.
  - 4/4 Athletic Director Dan Bridges reported that a car was illegally parked in his spot. A citation was given to the car. The driver of the car approached and Bridges questioned him. The man began swearing and left.
  - 4/5 A 1024 E. Del Mar resident lost her paycheck in the vicinity of Catalina II.
  - 4/5 The Toyota Celica reported missing in last week's Crime Beat was found in L.A., stripped.
  - 4/6 A "Vision Test Pack" promotional packet was stolen during the Health Fair.
  - 4/6 At 3:14 p.m. a disturbed woman was reported in Thomas saying that she was looking for the Engineering Library. All officers responded; she was found at the Health Fair. She had no ID and could not coherently explain her purpose on campus. As security was escorting off campus she bolted and ran towards the Physical Plant offices. Caltech officers placed the woman under arrest and turned her over to the Pasadena Police.
  - 4/6 Caltech officers observed a woman drive into the Chester parking lot, make a right turn and drive her vehicle into a planter. The woman was not injured.
  - 4/6 A Keck Lab door had been tampered with—the hinge was found loosened and the lock would not function.
  - 4/6 At 12:50 p.m. a suspicious person was observed in Downs. He was seen carrying a backpack stuffed with towels. However, a search by security revealed no one.
  - 4/7 A faculty member had her wallet, which contained cash, stolen from a Church Lab office. From the same office a graduate student found his wallet disturbed, with cash missing.
  - 4/7 At 12:45 p.m. three Saturday School Program students were in the Coffee House and were advised that they were not permitted in the area. The students said that they were waiting for food that they had ordered. The students stated that they had not been told to leave.
  - 4/8 A student's car parked in the Chester parking lot was found with a right-side window smashed. Nothing was taken.
  - 4/9 A bicycle speedometer was reported missing from a bike locked in the breezeway between Blacker and Rickets.
  - 4/9 A Caltech golf cart that was parked on the east side of Baxter was reported missing. It was founded by Pasadena Police and impounded.
  - 4/10 A computer keyboard and mouse were reported missing from the Steele library.
- Total dollar value stolen: \$250.

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# Letters

## More Sexism

To the Editors:

We found Ali Mortazavi's article about next year's prospective freshmen ("More Applicants, Less Women") very interesting, although slightly incomplete. As women at Caltech, we were quite concerned about the lack of statistics on the number of males in the incoming class. In the interests of completeness, we submit the following addition:

However, this does not mean that the number of men accepted decreased. Of the 441 applicants admitted... 72 percent (or 316 individuals) were men.

This is up from last year's 70 percent admission rate, but... Dan Langdale cautions it means only five or six men more than the year before. Of course, these numbers cannot be translated into how many of them will come here. Therefore, we won't know for some time what the actual percentage of males in the class of 1994 will be.

Please include this type of data in all subsequent articles so that we can nurture our hopes of one day basking in a "more livable environment" at Caltech.

Sincerely,

—Andrea Mejia  
Bonnie Wallace  
Deepinder Brar

## Just Move Off

To the editors:

It has been getting more and more difficult to find a clean plate at lunch. A majority of the plates have dirty smudges or smears, especially around the edges. Last week, I got a plate with a big, black, perfectly formed thumbprint on it. Mmmmm.

Last term, after a letter to the Tech that mentioned the health department at least twice, the usually scum-covered glasses improved drastically (at least in the South Houses). Unfortunately, they're starting to slide back to their previous state.

During the latter part of finals week, when dinner was being served only in the North Houses, the serving time was 5:30 to 6:00. I arrived at 6:05 for dinner, and all the food had been cleared. Fleming usually eats at 6:30; I checked our dining room and our lounge for a notice of the change, but I found none. The only notices of the change were posted at the entrances to the north kitchen, on small pieces of note paper. I did not get that meal, but, of course, I paid for it.

I often pay for meals I don't eat. I live on campus, and, being reasonably healthy, I am required to purchase the full board plan. The food is greasy and salty, and I often leave the dining room having eaten almost nothing. Faculty and staff members may not realize that what they eat in Chandler is far, far superior to what we get. It comes from the same kitchen, but it is not the same. The students don't get to see the food before they purchase it on any given day; if we are on campus, we must buy lunch and dinner five days a week whether we eat it or not. People are moving off campus to escape the compulsory board program. We eat this stuff twice a day, five days a week, term after term. Many of the students here have developed a big tolerance for fat; think how much of that fat has been deposited in our arteries. Being young does not give us immunity; what we eat now may wait around until we're forty or fifty to kill us, but it will get us eventually.

We must either find another food service or find a way to force B.C. to improve its quality. Perhaps we should eliminate compulsory board, perhaps after a term or two to give B.C. enough time to attempt change. Perhaps we should hire an independent dietician to oversee the food service. We must do something about the quality of the food and the cleanliness of the kitchens and dishes. The present system does not work.

—Catherine Hafer,  
Fleming House

## UASH Unfair

To the Editors:

While I have never appeared before the Undergraduate Academic Standards and Honors Committee (UASH), it is impossible to be here for four years without hearing complaint after complaint about the way UASH works. It is difficult for me to believe that everyone is mistaken in their complaints about UASH. While I do not (thankfully!) have first hand experience, perhaps I can make a few suggestions that may prove useful.

UASH meets on the first two days of every term, and has an additional meeting in June to deal with end-of-the-year stuff. For students who wish to return to Caltech after an absence, this poses a problem. In order to come back for say, third term, the student must appear before UASH on the first (or second) day of the term and present his case.

After his case is presented, the chairman will give the decision of the committee. Now, consider this: for whatever reason, I am a former student who wishes to return for

first term. After leaving Caltech, I went to the University of Nowhere, where I have maintained an acceptable grade point average. I have my own apartment, and I have a job. Now, if I want to come back, what do I do? I must somehow arrange to be in Pasadena to appear before UASH on October 1. If I am accepted, I must move in right away, with no notice.

Do I give up my apartment and my job, pack up all my possessions and prepare to move in? Or do I keep my job and my apartment, leave my possessions behind, and then fly back and attempt to move across the country during the term? Either way, if I've guessed wrong, I am in trouble. Either I rebuild my life outside of Tech, or I rebuild it inside, in about an hour. And I probably have to go to a class right after (or right before, or during) the UASH meeting.

In my opinion, this hardship is both unreasonable and avoidable. Why not have UASH meet in the middle of the term, so that returning students can give reasonable notice to employers and landlords? UASH could still meet only two days per term, just with the days split apart. This would also solve another problem: the underload petition.

Consider this: at the fourth week, I realize that I am hopelessly over my head on one of my classes. Unfortunately, if I drop this class, I will be taking less than 36 units, which is an underload. In order to do this, I must petition UASH. But wait—UASH won't be meeting again until next term. What do I do? If I stop taking the class, and the petition is denied, I will fail the class. On the other hand, if I continue to take the course, my grades in other courses may suffer, which won't be improved if my underload petition is retroactively granted.

Again, a no-win situation that would be alleviated by a midterm UASH meeting. This problem has been partly solved by allowing the Deans to grant a first underload, but it still exists.

In general, the students view UASH as a black box, to be feared and avoided. While I think that avoiding UASH is a good idea, I wonder if the fear is completely necessary. Students might be more comfortable if they could bring a friend for moral support. Perhaps by publishing a few typical generalized cases (as the Board of Control does), students would understand the procedure a bit better.

For example, to what extent does UASH consider academic record, work history, and random personal characteristics? Will living with a known Communist keep me from Caltech forever? What if a person on the committee thinks (for some rational or irrational reason) that I'm the scum of the earth? Can his influence keep me from coming back to Caltech? Will I have a chance to rebut his remarks? It is unrealistic to assume that members of UASH will always be perfect, unbiased individuals. What questions are appropriate, and what are not? What criteria does UASH use to make its decisions?

I have done my best to present the facts as I (and I believe a large portion of the undergraduate community) understand them. I have also tried to offer constructive solution. If I have made any errors of fact, I humbly apologize, and strongly encourage a detailed accounting of my errors in *The California Tech*. If I misunderstood, I think that it is likely that many other people are also unclear on the concept. In any case, I think that it would be helpful for the UASH committee to respond to my questions in this forum.

Sincerely,

—Elaine Lindelef  
undergraduate

*Editors note: We have been informed that UASH meets the day after Drop Day, in the middle of each term.*

## AMOSH Gone

To the Editors:

Marda Collett has left her job as Associate Master of Student Houses to move to Dallas, Texas with her family. We will miss her very much. A search has begun for Marda's replacement, who will have a new title—Director of Residence Life. The Director will, like the Associate Master, work with the Master of Student Houses in support of undergraduate residence life, but will function somewhat more independently than did the Associate Master.

A search committee has been formed and we are advertising nationally for candidates to fill the position of Director of Residence Life, starting in late summer. The search committee consists of David Wales (chairman), Jeanne Noda, Lucy Guernsey, Bruce Patton and student members Jack Prater, Richard Reid, and Jennifer Jungkuntz.

In the meantime, two graduate students have accepted temporary positions in the Master's Office. Rob Ripperdan will assist with evening, weekend and emergency duties, and Rob Miles will provide part-time support during the day. We are lucky to have them and look forward to working with them.

Sincerely,

—Gary Lorden  
Louis Wilde

## Formal

by Aimee Smith

The 1990 ASCIT Formal will be held on Friday, May 11th. Sign-ups for couples will be posted outside of the MOSH's Office from Friday, April 13 through Friday, April 27. The location, as is traditional, will be at the Athenaeum. Entertainment will be provided by the band "Restless." The exact price per couple will be decided before sign-ups are posted, but it should be between \$45 and \$50 per couple depending on cost per plate from the Ath. All comments and suggestions are welcome—send to Aimee Smith, 1-54 or the ASCIT Office, 41-58.

Are you tired of having to put your Tech submissions on a disk, and carry them down to the SAC? If so, you may be in for a pleasant surprise. Starting next Monday, the Tech will begin using a network file server for article submission. This will allow you to send your articles directly to the computer in the tech office from nearly any IBM on campus.

To submit files, obtain a copy of the 'submit.exe' program. It should be available in all of the house computer rooms in the near future. If you can't find it there, ask your house CCO rep.

Change to the directory where your submission is, then run the submit program. The program will prompt you for the information it needs, then it will transmit the file to the Tech office. Acceptable submissions include: articles, letters to the editor, Inside World columns, and email for the editors. All submissions must be either text or wordstar files.

If you have any problems, first contact your house CCO rep. Further questions and bug reports should be addressed to stveltybalt (Steve Ludtke, x6180).

## THE CALIFORNIA TECH

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## An Evening With Mozart

by Lei Chen

On April 6th and 7th, the Caltech Chamber Music Ensemble and the Caltech Chamber Singers held their fourth annual "An Evening With Mozart" concert. Among the works performed were Sonata in A for flute and piano, Piano Quartet in G minor, and of course, Requiem in D minor. The works span almost the entire life of the composer, reflecting his different artistic styles in various periods.

The Flute Sonata was written when the composer was only eight years old. The performance by the Chamber Players was superb. They accurately reflected the lofty lightness inherent in Mozart's music.

The Piano Quartet was written during a much later period of the composer's life. The larger scale work fully demonstrated his mastery in the Sonata-Allegro form. Because of the unusual scoring of only one violin, the viola was the composer's favorite instrument. The performance was warm and gratifying. All four players seemed to blend together perfectly.

The second half of the concert featured the Requiem. The swan song of the composer has always been considered his crowning achievement. Here the composer demonstrates not his ability to please the audience, but his power to move them to feelings of awe and reverence.

The performance by the Chamber Singers fully conveyed the intentions. From the terror of death in *Dies irae* to the resignation and reverence in *Lacrymosa*, the in-

terpretation and performance was almost flawless. The most striking feature of the performance was the energy that the performers possessed: the last fugue was performed with as much intensity and accuracy as the first.

Don Caldwell, director of the Chamber Singers and the Men's Glee Club, put it simply, "It's exciting music." "Exciting music" it was, and clearly every performer and the audience felt that way. The cast received a much-deserved standing ovation. Smiling, Don held up the score and pointed to the name "Mozart" on the cover. The audience responded quickly and gave a round of warm applause to good ol' Wolfgang Amadeus.

photo by Lei Chen

# Another Star Wars Trilogy?

by Varoujan Gorjian

The next Star Wars movie, when will it be made? That was the question on everyone's mind during the opening of the Star Tours ride at Disney World in Florida that was attended by George Lucas, Mark "Luke Skywalker" Hamill, and Carrie "Princess Leia" Fisher. Originally, Lucas had stated that he would start the next trilogy before the end of the decade. Unfortunately, he didn't say which decade—obviously not the '80s.

The complete Star Wars story consists of three trilogies: *Star Wars* to *Return of the Jedi* were the middle three. The next ones that will be made are the first three, commonly referred to as "The Clone Wars," which deal with the fall of the Old Republic and its replacement by the Empire. None of the major characters will return except for Ben Kenobi, Darth Vader, R2-D2 and C-3PO. Except for the droids the other roles will be recast, since the story will take place when the characters were very young.

Lucas's answer to the barrage of inquiry was that he will start the next Star Wars trilogy within the next four to six years, which is not very encouraging, since a Star Wars film takes three years to

make and the soonest we can expect the first installment will be in 1997. Hopefully, Lucas's statement was a conservative estimate and the next one will be made much sooner, but as Mark Hamill has said, "Only George knows."

Another sequel on everyone's mind is *Star Trek VI*. The present situation is that the producer of the last four Trek movies, Harve Bennet, has made a proposal to Paramount to recast the roles of Kirk and Spock with younger actors and do a story about their Starfleet Academy days, something on the order of *Young Sherlock Holmes*.

The familiar actors may appear in cameos at the beginning and at the end of the movie, where we see them remembering their youth. No word has gotten out about whether the proposal is accepted—the only sure thing is that Harve Bennet will direct the next Star Trek movie.

Now for something completely different, not a sequel, not a prequel, but an original story. The movie to watch for this summer is *Total Recall*. This is a story that has been floating around Hollywood for some time. During this time it was rewritten and rewritten but no studio was willing to take the risk and make this very expensive movie.

Arnold Schwarzenegger read the script many years back and he loved it but he did not have the clout to get the movie made. After his string of enormous successes he went in and got the deal together so that the movie would finally get made. The studio was willing to put up the money if Arnold would star. This movie has a lot going for it—Schwarzenegger got Paul Verhoeven, director of *Robocop*, to direct; the script is written by one of the co-writers of *Alien*; and the story is based on a novel by Philip K. Dick, (one of his other novels was the basis for *Blade Runner*).

The movie is being done on an enormous scale with tons of special effects and thirty five different sets. The only problem is that the special effects company that was hired is not very big so that the special effects might not be as good as ILM's, but that is still left to be seen.

The rest of the summer movies to look forward to are sequels like *Die Hard II: Die Harder* and *Robocop 2*, both with their original casts but not the original directors, so we must wait and see how they will turn out.

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**WHO IS JESUS?**

Don't believe everything you hear.  
 Examine the evidence.  
 Decide for yourself.

Come to one of our special events this week:

*Info Table, Friday 4/13, noon, Olive Walk.*  
 Exchange thoughts with other members of the Caltech community.

*Seminar, Saturday 4/14, 2:30pm, 22 Gates.*  
 "Is Jesus the Messiah - and why should I care?"  
 Dr. Hugh Ross, former Caltech researcher.  
 Bring your questions!

Or give one of us a call:

Mike Smyth: Ruddock, 578-9923  
 Yvonne Lung: Lloyd, 357-3775  
 Carver Farrow: Page, 577-6853

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# DNA Crime Solving

by Ali Mortazavi

An increasingly common application of modern molecular biology and genetics in society has been the use of "DNA fingerprinting" as forensic evidence in courts of law. Can we trust the claims of quasi-infallibility that are routinely stated by its proponents? Should new technologies be accepted as evidence in courts of law? This was the subject of Dr. Eric Lander's Human Genome lecture on Wednesday, March 7th.

After a brief overview of the coming of age of genetics in the 80s, Dr. Lander discussed the application of cutting-edge scientific technology to criminal investigations. In theory, it should be straightforward to take some sample found on the scene of the crime (blood, hair, semen, etc...) and compare its DNA with the DNA of the suspects: if there is a match, then you have proof of who committed the crime. Varied claims of the accuracy of the technique range from 1 in 10,000 to an impressive 1 in a 100,000,000 for a false-positive match.

Real life however is messier. The DNA sample is often available in only minute quantities and is usually not in the best shape. One can assume that the environmental damages have not been too great, but this noticeably decreases the reliability of the test. Furthermore, it is not possible to conduct more than a couple of tests because of the scarcity of the evidence: there is no way of reconducting the lab analysis if need be.

This is significant, for incautious handling and record keeping of the laboratory results have already caused false-positive matches to be declared. The common problem of bandshifting (when uneven salt concentrations causes one marker band to travel down in the gel faster than another one) only makes the task of deciphering the results harder. The more subtle,

yet crucial, problem of the distribution of genotypes (e.g. the markers used in the test) in society: their frequency varies according to geographical location and racial composition of the pool. A marker that could be rare (a good test for a match) in one location, could be common somewhere else...

Lander expressed both great concern and excitement about the use of their technique in courts. Jurors tend to take the statistics assigned to the match as an unflinching proof of guilt or innocence, without taking note of how unreliable the tests really are at this time. In a larger context, the dilemmas posed by DNA fingerprinting are typical of the complexity of technological transfer to non-scientific areas of society such as the judicial system.

At the turn of the century, the Supreme Court set the Frye standard, which states that expert advice is usually taken only if the views expressed are widely accepted in the scientific community. Considering that current DNA fingerprinting results could not stand up to scientific standards, should it be banned from use until it becomes more reliable? Dr. Lander believed that DNA fingerprinting's ultimate advantages (i.e. proving tangibly that someone is guilty or not) outweigh any current concerns over its reliability. He finally envisioned a not-so-distant future when our DNA code would become the equivalent of our Social Security card... He advised the large audience to think about the safeguards that should be put on the possible uses of such private information.

Dr Lander is a member of the Whitehead Institute at MIT as well as a faculty member at Harvard Business School. The Human Genome lectures are a monthly component of the Science, Ethics, and Public Policy seminars given on a weekly basis on campus.

## ASCIT MINUTES

April 10, 1990 10:30 p.m.

**Present:** The ASCIT BOD minus Craig Volden and Jason MacLeod, Alecia Chen, Gary Eastvedt, Mark Huie, Marty O'Brien, Andre Ohanissian, Rob Padula, Paul Socolow, and Marc Turner.

**Bylaw Change:** Rob Padula presents a petition signed by 20% of all ASCIT members for a new bylaw: Article XIV. Section 15. which states: Every issue of *The California Tech* must contain a picture of a banana peel. The BOD votes (4-1-0) to put this bylaw change on the Friday, April 13 ballot along with the Big T dues increase.

**Andre:** Andre Ohanissian stealthily passes a secret note to Dave Geraghty. Dave's response: Go running after the meeting? Sure, I'll go running after the meeting.

**Appointed Offices:** Signups for appointed offices will come down just before the ASCIT meeting of Tuesday, April 17. All people running for an appointed office must come to the April 17th ASCIT meeting for the final interviews to determine the new officeholders.

**ASCIT Teaching Awards:** If there is a teacher or TA that you think is deserving of a teaching

award, please send their name and a short explanation of why they are deserving of an award to ASCIT/Teaching Awards 41-58.

**Big T:** Alecia has no Big T business, so she is leaving.

**Budget Proposals:** Club budget proposals are available outside the ASCIT office in the SAC and are due Friday, April 13. ASCIT budget meeting will be held at 4:00 p.m. on Saturday, April 14 in Millikan Boardroom. All clubs should send at least one representative. Please fill out the budget questionnaire along with the bylaw election ballot on Friday, April 13.

**Stats:** The meeting only lasted 13 minutes (a record), but Dave Geraghty was able to squeeze in 8 courses in that time.

### Dave's Dirty Mouth

Fuck	2
Fuckers	2
Damn	1
God damn it	1
Runny snot	1
Shit	1

**Next Meeting:** The next meeting will be held at 10:30 p.m. on Tuesday, April 17 in the MOSH's office. Topics include interviews for all appointed offices, hopefully the ASCIT club budget distribution for the upcoming year, and discussion of editor salary for *The California Tech*.

# Human Price

by Chris Dunn

Wednesday's Science Ethics and Public Policy lecturer was Ted Porter, Assistant Professor of History at the University of Virginia, speaking on quantification of individual worth.

People didn't always have price tags. Witold Kula's *Measures and Men* shows the qualitative apptence of former societies that avoided strict standardization whenever possible and adamantly eschewed adherence to the measures of centralizers.

While standardization may seem bothersome and unnecessary in small communities, it is indispensable to the maintenance of a state. Only a system of state-wide standards can suffice for the exigencies of uniform taxation, trade regulation, and wartime mobilization.

Porter attributes to actuaries the first estimations of human value. Insurance companies relied on a person's potential productivity as a gauge to determine the amount for which a person should sensibly be insured.

Civil engineers followed, using the methods of the actuaries to decide whether dams, channels, and levees should be constructed, and to content their characteristic predisposition to calculate.

For economists normative (or welfare) economics encompasses cost-benefit analysis. Around the 1950s economists began making the subject of quantification of human value "a lot richer, and hence a lot more complicated."

At odds with the bureaucratic and theoretic fosterage of quantification of delicate matters like human worth is moral vocabulary of the general public, who, says Porter, are more likely to be offended than convinced by the scientific results.

However, Porter states, "I take it as support for this view of objectivity that... relatively unambiguous conventions are often preferred to complex truths."

All things considered, Porter believes that quantification may not be best, "... but at least it's objective."

# Y News Y News

Delucca is coming. May 21...

**Studenski Award.** Applications for the Studenski Award are due April 20. The Studenski Award gives money to a student each year to do something over the summer to learn better about who he or she is.

**Student-Faculty Money.** Reminder: Student-Faculty pairs can receive up to twenty-five dol-

lars per pair for activities and group ventures. Contact the Y if you are interested.

**Tickets.** Reduced admission tickets are available for a laser light show at the Laserium to be held Saturday, April 21 at 8:45 pm for \$6. Reduced price tickets are available for the L.A. Clippers vs. the Portland Trailblazers game for Monday, April 16, at 7:30 pm. Tickets are also available for the Renaissance Pleasure Faire, which runs weekends from April 21 through June 10, 9:00 am to 6:00 pm, plus Memorial Day. Ticket price is \$10.50 (reg. \$14.50).

Interviews for Student-Faculty Committees will begin Monday, April 16. Interview times are posted outside the Mosh's office door. Sign-ups for the Grievance Committee and Food Committee Chairman are still on the Mosh's door. Interviews for these two committees, and all other committees not posted for the 16th will be held on Monday, April 30.

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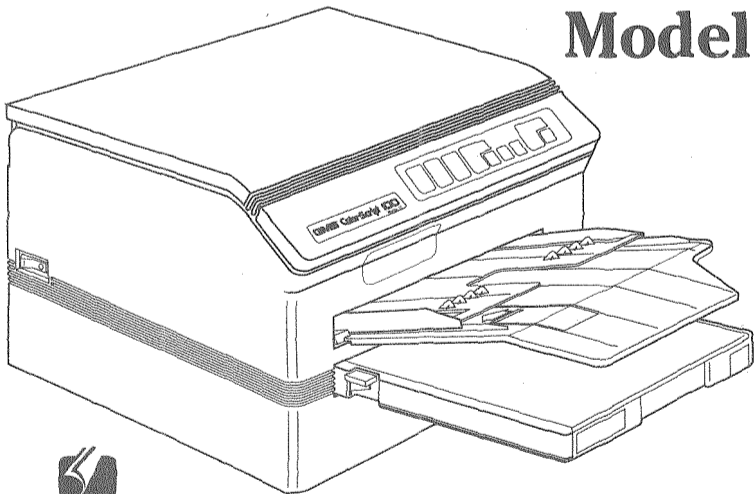
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The Inside World

Page

The Page House Purity Test results are finally in! Page, on the average, fared only slightly higher than the national college norm, but there were some interesting peaks that probably deserve some attention. People are still in awe of the House Afro's A+ performance. Only guilty of 5 impure offenses out of 100, the Afro has once again lived up to his cut-throat billing. The Afro's score would have been higher, of course, if his proctologist had not counted for some of the answers! At the other end of the scale, there was a tight race for "House Purity Symbol." For quite a while, it seemed that the Bad Boy from Bombay was going to take "Top" honors, holding off close calls from the RA, the Knob, and Mark Schmidt. But then, just when Chedar was triumphing in his impurity, along came our Boppin Presidio and Coo-Bear Cutrer. Bappa triumphantly tied Chedar, but Coo-Bear resoundingly beat him by a whopping 2 points. It certainly takes a special kind of person to have performed 76 out of 100 impure acts on the survey! Just when we all thought that the "Purity Thing" was over, though, along came a party! Lured by the rumor of "dripping women," several Page Boys (including Chedar and Coo-Bear, of course!) assaulted the Ruddock cafeteria. This is when two notably impure incidents occurred: "Hands" Gurkan shocied all by letting his fingers do the walking in a no-trespassing area, and P-Fil Fernandez shocked all by refusing to comment on the girl who left his room early in the morning. Our best wishes, "Hands," in recovering from your wounds! Take our advice and stay away from the Y at all costs! P-Fil, P-Fil, P-Fil, how could you?

Ricketts2

Hello, I'm Bob Marlin and welcome to Mutual of Ricketts House's Wilde Kingdom. I'll be sitting here safely in the chopper while Jim wrestles the wild rhinoceros... oh, wait, this week we are going into darkest California to investigate the campus of the California Institute of Technology. We have received reports of many bizarre beasts living in these environs and are prepared to inspect the locale ourselves.

Here in the first enclave we encounter, called 'Flemming' by the local natives, we find a pack of warthogs with unusual crimson markings. These creatures spend their time running about the savannah and combating any other packs they find.

Proceeding to the 'Darbney' territory, we see a gentle family of orangutangs, their fur stained green from jungle life. As we can see, these are not shy animals, as they are unperturbed by the presence of humans. For instance, there is a group bathing in a small pool, and over there is a group practicing some sort of mating rit... uh, let's continue onward.

We are now entering the 'Blakker' area. This habitat contains many small burrowing rodents in addition to several large creatures resembling the mythical troll. These animals spend a large portion of their lifetime consuming food.

Now we enter the most strange and bizarre portion of this vast landscape, referred to by the natives as 'Riquetts.' Here lives a tribe of primitives who have mastered the use of fire. What clothing this society does have is decorated by bright colors swirled in unusual patterns. The tribes warriors prove their virility by swinging from a vine over a vast conflagration in the center of their village. Members play various instruments and dance about the fire in a ritual intended to appease the gods and bring good fortune to the tribe.

Tune in next week, when I will sit safely in the helicopter while Jim abducts a lion cub from a sleeping pride.

Well, the Whirling Ninja Houselist of Doom is out now so pick up your copy from Lindsey or just lose. Rumor has it that L.D.'s middle name is Davidson, but you better check it for yourself.

Don't forget to vote for all of the important ASCIT things today. Especially the BP amendment for the Tech. We will not rest until we can be assured of a banana peel in every issue. (Bananaman: "With control of both the Ricketts House Houselist and the California Tech, my world domination is assured. Hahahahahahahahahahaha!!!")

An house member wanted me to pose the query, what do the following people have in common: Gonzo, Katryn, Brian Chafin, Satomi, Louis Wilde, Albert Einstein. Your guess is better than mine, so send in those cards and letters now.

And now a new feature, Senior Profiles. This week: Amanda Heaton. Not just another person on roller skates, Amanda is also one Fabulous Babe. A double major in Math and E&AS, she divides her time between hanging out in the CS10 lab, playing bridge, and roll-playing games. Somewhere in all of this she also has time to study. She speaks Russian and is frequently involved in TACIT. Amanda provides evidence that one can do well at Tech, have a social life, and get proper sleep.

Short bits: It seems that my placing Kitt in the Inferno last term may have been prophetic. Her wavefunction has currently collapsed into Hell. The arrival of Lady Methane in Snatch combined with the presence of the Eco-Guerilla has insured that the rest of us will need daily insulin shots to cope with the saccharine level. The recurring doorplate inversions has prompted the Froosh to take extreme precautions. I think exploding bolts are not necessary, but you just can't reason with some people. The computer room is filled with the sounds of crashing 'Vettes and "Try and find the way out;" avoid at all costs.

No matter how thin you slice it, it's still baloney; the cheese and bread you have to provide yourself.

-The Physics Messiah, with inspiration from Lord Methane

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The Inside World

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

**Page:** Michael Simpson  
**Ricketts1:** Daniel Dilling  
**Ricketts2:** Joe Dadek and Steve Ferris

Blacker	25	18	1	0	1
Dabney	38	18	2	0	2
Fleming	20	18	0	0	0
Lloyd	27	13	0	0	0
Page	15	18	0	1	1
Ruddock	33	12	0	0	0
Ricketts	23	25	3	2	5

Ricketts1

The Trip to Jorgeran  
Our Story: Guru Kenobi, Grad Knight, and Duke Phlikker  
Have just hired the Molybdenum Phallus and her pilot, Hands Solo to carry the lab readouts to help Princess Leah to destroying the Dread Requirement.

"What a tub of gool!" I whined as I entered the hangar. The ship lay fatly on the hangar deck.

"It's bigger than you think, and I've made several 'special attachments' myself," said Hands, stroking the Phallus lovingly. "But, actually, we're a little rushed so if you'll just get in, we'll get up." As we boarded the ship, Administration troops blasted the door. "Suspend that ship, your extension just ran out, Solo!" He just sneered and kicked CPU-O into the ship. From beneath the ship, a turret started pumping rounds of "Best Foods" at the soldiers. Surround by the sticky fluid, the troops drew back to cover in confusion. "That may not be mayonnaise," hooted Hands as he closed the ramp and took off.

Waiting for the Phallus, tractor beam open, was a huge cruiser, a Tommy Mark II. "Frak," said Hands, "We'll have to outrun her, I won't be raped over this time." He threw the ship into evasive maneuvers.

"Well, let's go, I thought this ship was fast!"

"Jumping through hyperspace ain't like high school, boy. The wrong calculation and you could fall between two closets or a cat or something. Once we make the jump, we'll be safe."

"What's that flashing?"

"That's the brain overheat warning, but watch this..." With that, Hands pulled a large "LD Drive" lever and the cockpit spewed into weird light effects.

Later, in the cabin, I was working out with the ATH-MAN(tm) Showering Trainer. Hands walked in, saying "Well, we're free of those Administration slugs, I told you I'd lose 'em." Everybody thanked him at once. He was speechless. Guru continued, "You see, a Grad knows the Farce, and can use it to help him. Through the Farce, you can react to moves before you consciously know them." "You mean it controls your actions?"

"Almost completely, but with practice, you can resist and still pass through."

Hands interrupted with a guffaw, "I'll tell you," and he did, "I've seen a lot of classes and had a lot of grades, but I've never seen anything to convince me that any school controls my brain. It's all a lot of simple tricks and studying."

I again tried to shower the ATHMAN, but it wrapped around my legs and pinned me quickly.

"Ha, ancient boots and hokey religions are no match for a good headlock, kid."

Guru smiled and stood. He then gave me a huge sombrero and put it on my head, "I suggest you try it again, and this time, let yourself go. Relax, clear your mind, and think of Tetris."

"But with the rim down I can't even see, how am I supposed to 'fight, frosh?'"

"Trust your instincts." I sort of fumbled around until the ATHMAN gave me a short soaping.

Hands laughed, but Guru said, "Stretch out with your feelings!" So, I tried to think of Tetris, but I only managed to visualize "Fun in Space". I sort of maneuvered the little triangle around and when I got a load of fuel I realized that I had showered the ATHMAN. "Wonderful, you have taken your first step into a commercial world."

Hands was still skeptical, "Well, good against the ATH-MAN, that's one thing, good against real men, that's something else." Guru clutched his chest and collapsed against the wall.

"What's wrong?"  
"I felt a great disturbance in the Farce, as if hundreds of students had whined in terror and were suddenly flamed." I knelt, concerned, but he said, "No, it happens, continue with your exercises."

Over at the table, Ross the wookiee was playing BattleChess against Mac-2-D-2. Mac had just skanked his queen to take the rock-rook. Ross drummed his fingers ominously and glared at Mac. "He made a fair move," said CPU, "you should expect that."

Hands leaned over, "You know, it's not wise to beat a wookiee."

"But nobody ever worries about beating a computer, Mr. Solo."

Ross pulled out a medieval broadsword. "That's because computers don't cut your head off when they lose," he said slowly.

"Mac, I suggest a new strategy, Mac. Let the wookiee win."

Hands sat up as the console began to beep, "We're coming into Jorgeran, but something's wrong. We're in a CISEE field, but we're on course."

"Where's Jorgeran?"

"That's what I'm telling you kid, it's been reduced to bytes and pieces, its core has been completely dumped." "Flamed, by the Administration," said Guru.

"The Admin could never destroy Jorgeran, it would take the entire faculty with more.. what's that?"


"A short-range Daihatsu, it couldn't have gotten this far out on its own."

"Well, it's not going to be around long enough to tell anybody about us. I think I can get him before he reaches that small building."

"That's no lecture hall, that's a Lab Station. I think we'd better get out of here."

"Yeah, I think so, yeah... that would be good. Wait, they've got us in traction, but we're not going to give up without a BYDC."

"Can't win, but there are alternatives to fighting..."  
Next Week: The Dread Lab and Princess Leah



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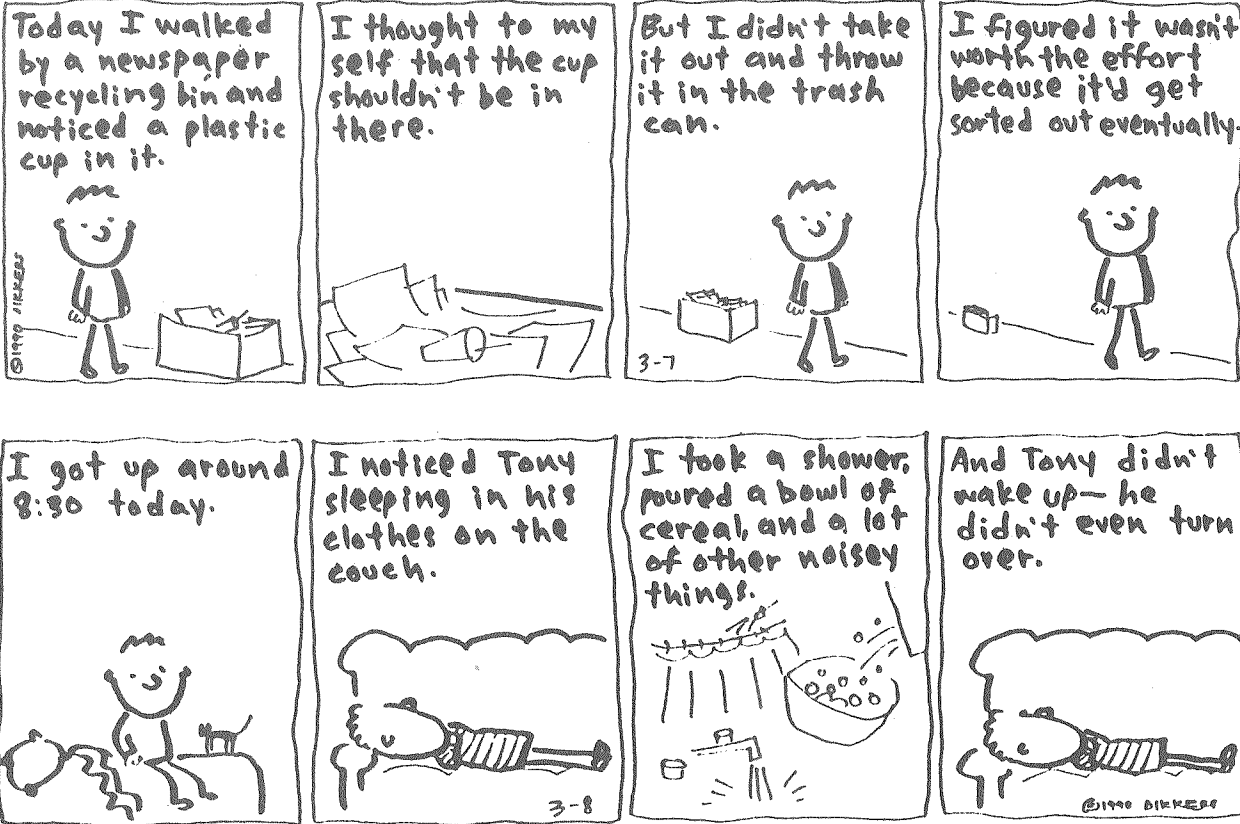
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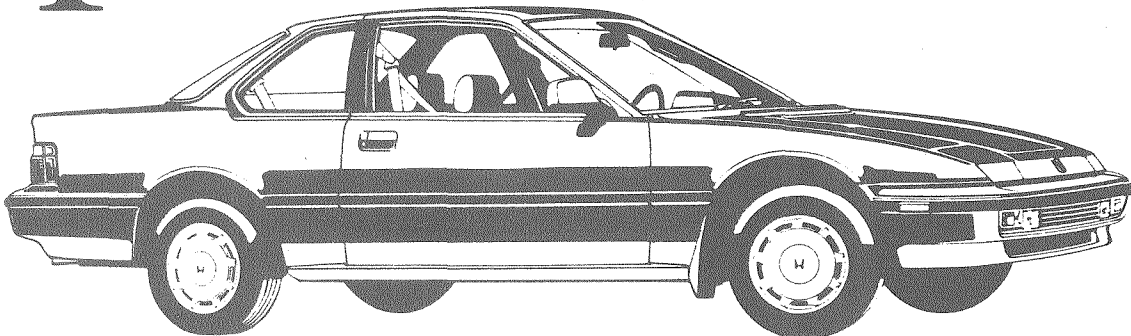
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Jim's Journal

by Jim



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**Food Committee Notes**  
 Meeting of March 8, 1990  
 Submitted by Debi Tuttle  
 Present: GARY, Dave Stevens (Chairman), Andrew Lundsten (BL), Sven Peterson (DA), Emily Wen (LL), Allen Corcoran (PA), Debi Tuttle (RI), Jen Forman (RU), and Mike Nassir.  
**COMPLAINTS:**  
 Brownies were dry. (Gary said they were from a different baker.)... Only one line in North Kitchen on Tuesday... Someone found hair in their hamburgers in Ruddock (ugh!). Suggestion: kitchen help should wear hair nets... Trays are always wet... Too much spaghetti! (Gary said that he offers spaghetti as an alternative choice to whatever's out there. He's not required to.)... Lasagna always tastes like tacos. (Gary said it was the spices he puts in the meat—he'll change them.)... Why is the ice cream sometimes "beige"? (It's a mystery to Gary.)... No sauerkraut with the hot dogs... South Kitchen ran out of cereal... Someone found a bug in their salad. (Gary explained that due to Nature, that's bound to happen sooner or later.)... There was Vaseline-type gook on top of the sub sandwiches. (This was just some mayo that had been exposed too long.)... There was mold on the cream cheese. Suggestion: use smaller bowls and throw stuff out more often to keep a fresh supply!... Sour cream has Jello consistency. (Gary admits that it's actually a sour cream dressing.)... We've been getting subs and onion rings too often lately... People want less breaded and fried food!  
**COMPLIMENTS (!):**  
 Most people liked the sherbert... The bags of chips are a good idea, but we want more variety... The plain chocolate pudding is much better than pudding with whipped cream & cherry goop on it... Keep the corn dogs... The croissants taste really good. (Gary informed us that each one costs him \$0.40 to make.)... Hot dogs taste better. (Gary has switched to chicken dogs!) Spinach salad is a nice idea, especially for vegetarians.  
**CHANGES IN THE WORKS AND NEW ON THE MENU:**  
 Vegetarian egg rolls!  
 Chocolate soft serve ice cream more often.  
 Gary will come to oversee dinner in the South Houses 2 or 3 times a week.  
 The kitchens will soon be getting condiment pump bottles for ketchup, mustard and mayo.  
 Grilled and barbecued chicken!  
 Hamburger buns without sesame seeds, and maybe whole wheat buns.  
 The New Gourmet Hamburger Fix-it-Yourself Bar with chili, sauteed mushrooms, sauteed onions, and cheddar cheese!  
 The New Hot Sandwiches for Lunch Option complete with grilled ham and cheese, grilled turkey and cheese, Reuben, and maybe more!  
 Potato skins & cheese sauce!  
 Pork chops & applesauce!  
 Yoplait!  
 Chicken fried steak!  
 Various fruit pies: cherry, blueberry, boysenberry!  
 Subs will be served dry from now on, with mustard & mayo on the side.  
 \*\*\*\*\*

↑ Jim's Journal by Jim

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## what goes on

## money

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

**Smoke Detector Tip**

Most off-campus undergraduate house smoke detectors operate with a 9-volt battery. Smoke detectors in common areas are checked regularly but it is not always possible to check those in student rooms. If your smoke detector beeps randomly, the battery may need to be replaced. You can pick up a new battery in the Housing Office by bringing your old one in or you can call the Housing Office to set up an appointment for staff to install a new battery for you.

**German Film Series**

There will be a showing of *Der Junge Torless* (1966) in Baxter Lecture Hall on Wednesday, April 18th at 7:30 pm. Discussion will follow.

Based on a novel by Robert Musil, young Torless is brought up in a boarding school and sees how his fellow schoolmates sadistically torture a classmate of his. The film is played mainly by unknown actors and was a multi-prize winner. Directed by Volker Schlöndorff, starring Mattieu Carrière. All are invited.

**Drugs & Alcohol**

Caltech Drug and Alcohol Awareness Week ends Friday, April 13, 1990 with dinner and a band (the Bed Shredders) at 6 pm on the Olive Walk. Following the band ASCIT will be showing *Clean & Sober*, 7:30 pm, Baxter Hall.

**Feed the Homeless**

Union Station's Annual Easter Dinner-in-the-Park will take place this Sunday, April 15 at 12 noon at Pasadena's Central Park. Sign up at the Caltech Y for volunteering and carpooling.

**L.A. Clipper Tickets**

The Clippers take on the Portland Trailblazers Monday, April 16, 7:30 pm. Tickets are \$10 (normally \$13) at the Caltech Y.

**Food Donations**

Donate canned food for Haven House (shelter for battered women and children) to help them celebrate Easter/Passover. Look for boxes in your houses or drop food by the Caltech Y by 5 pm today, April 13. Thanks for your support!

**Riesz Spaces**

The Division of H&SS and the Division of Physics, Math and Astronomy are co-sponsoring a conference on Riesz Space, Positive Operators, and their Applications to Economics on April 16-20. The lectures will be in Baxter Lecture Hall in the morning and the afternoon. For a more detailed program call Victoria at x3828.

**Pasadena Symphony**

Jorge Mester will direct the Pasadena Symphony Orchestra on Saturday, April 28th at 8:30 pm in the Pasadena Civic Auditorium. Tickets are 14 at the Caltech Y.

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**Back By Popular Demand!!!**

It's time once again for the Don Shepard Fun Fund! Come by the Master's office, between April 6 and April 20, to sign up! (If you have received money from the fund this year, please give others a chance by not signing up again.) Who knows... the next winner may be you!!!

**Ballroom Dancing**

Caltech Y-sponsored ballroom dancing will start in late April. We need to find out whether there would be more interest in continuing at the level reached last term or starting a new series which focuses on different dances, so new participants can take the class. If you are interested, please stop by the Y and tell us your preference. Classes will be Tuesdays from 4-5 in Winnett. Cost per term: \$20 for students, \$30 for others.

**Attention Clubs & Departments**

Pre-fresh weekend is coming up soon! Your clubs, organizations, etc., can benefit by putting up a good display at this time. On Sunday, April 22, from 3:00 pm to 7:00 pm, the Admissions Office will be holding a big barbecue picnic on the north athletic field, which will be attended by the pre-fresh, parents, CIT students, faculty, and staff. We hope to have a Club Fair similar to the one held in the fall for enrolling students. Please contact Jeanine Conneally or Milly Pena in the Student Activities Center, x2935, to let us know if you would like for your organization to attend. You should have already received information prior to this announcement. Let's show them all what Caltech has to offer. Your enthusiastic participation in the event could help persuade some very bright and active people to accept our offer of admission. Contact us NOW!

**Life On Other Worlds**

Dr. Albert Hibbs, retired senior staff scientist at JPL, will present a talk on "Life on Other Worlds" in a program by the Southern California Skeptics in Beckman Auditorium. The talk will be at 8 pm on Thursday, April 26. General admission: \$8.00. For more information, call (213) 283-9773.

**Badminton, Anyone?**

Badminton is played on Mondays and Fridays in the gym, from 9 am until 11 am. Intermediate players (faculty, staff and students welcome). For information, please call Cherrie Leighton, x4915, Division of Biology.

**Interested in Sailing?**

You too can use the Caltech sailboats. Find out how by joining the Caltech Sailing Club. Contact Axel or Martin at (818) 568-9168. Open to students, faculty and staff.

**Reproductive Choice, Ethics**

Prof. Ruth Schwartz Cowan, a Caltech Fairchild Scholar and Professor of History from SUNY at Stony Brook, will be speaking on the issue of "The Human Genome Project, Reproductive Choice and Reproductive Ethics." The talk will be in Baxter Lecture Hall at 4:00 pm on April 18. Discussion and refreshments following.

**Come See What's NeXT**

Come see Steve Jobs' NeXT computer, the architecture for the 90's, Tuesday, April 17, from 10:30 am to 4:00 pm at JPL in BLDG 167.

The presentation starts at 10:30. Richard Crandall, a Howard Vollum Professor of Physics at Reed College and Educational Fellow and Director of Scientific Computation at NeXT, is scheduled to give a presentation, "The NeXT computer as a physics machine." This will be followed by a software faire that will last until 4:00 pm.

Software vendors scheduled to demonstrate their wares include: Frame—desktop publishing; Media Logic—graphics applications; Meta Research—audio and video digitizers; Wolfram Research—mathematics.

For more information, contact Carlos Salinas, NeXT Campus Consultant at Caltech, 356-6830.

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**Play Bridge**

Play bridge at the Caltech Bridge Club this Monday. We meet every Monday at 7:15 pm at the Red Door Cafe in Chandler Dining Hall. No card fee, no membership fee, no partner needed. Undergrads, grads, faculty, etc. welcome.

**Free Food Money?!!**

The Caltech Y along with the Caltech Service League have allocated monies (lots of) to encourage student/faculty interaction. Specifically, students can receive \$25 to defray the cost of a lunch, dinner or some cultural event with a faculty member. All events must be pre-approved through Brian Redin at the Caltech Y.

**Gay/Lesbian Discussion Group**

On the 1st and 3rd Tuesdays of each month, all students, staff and faculty are invited to an ongoing discussion of Lesbian/Gay topics, from 7:30 to 9:00 pm. After the talk, time is devoted to informal talking, with refreshments provided. This confidential meeting is held in the Health Center Conference Room; call x8331 for further information.

**CCF Events**

Don't believe everything you hear. Examine the evidence and decide for yourself on matters of religion. Come to one of the special events sponsored by the Caltech Christian Fellowship.

The first is an info table on Friday, April 13 at noon on the Olive Walk. The second is a talk on Saturday, April 14 at 2:30 pm in 22 Gates, featuring former Caltech radio astronomer Dr. Hugh Ross. Director of "Reasons to Believe," he will give a talk on "Who is Jesus?" Questions and skeptics welcome.

**Dining For Dollars**

Green Street Restaurant (146 Shoppers Lane, near Lake and Cordova) is joining with Caltech's Women's Glee Club in a fundraising effort. On Monday evening, April 16, any and all meals and beverages purchased between 3-9 pm will provide not only pleasure for your palate, but a payoff for our pocketbook. No reservations are needed and if you're too busy to dine in, "to go" orders can also be phoned in to 577-7170. Please bring friends and help support the Women's Glee Club by dining at Green Street Restaurant on Monday, April 16.

**Guitar Classes at Caltech**

Guitar classes for spring quarter meet on Tuesdays, and started April 10 in Rm. 1 of the Student Activities Center as follows:  
Beginning guitar, 4:30-5:30 pm  
Intermediate guitar, 3:30-4:30 pm  
Advanced guitar, 5:30-6:30 pm  
Classical and flamenco repertoires are explored but techniques transfer to other styles of guitar. The beginning class includes a jazz/folk chord system. Classes are free to Caltech students and other members of the Caltech community (space permitting). Undergraduates can receive 3 units of credit if they choose. Private instruction on any level can also be arranged. The instructor, classical guitarist Darryl Denning, has an international background in performance, recording and teaching and can be reached at (213) 465-0881.

**Caltech International Day 90**

Students from various countries display Caltech's diverse ethnicity via art displays, dances, food, etc. Live entertainment and the quality of food has made this day a great success for the last two years. Representatives from clubs or individuals are invited to the first meeting on Wednesday, April 18 in room 13 of the SAC. For more information call Amit Lal, X3968.

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Campus organizations, clubs, frats, sororities call OCMC: (800) 932-0528 or (800) 950-8472, ext. 10

**Earth Day**

Campaign Earth will take place on Saturday, April 21, 1990 from 10 am to 12 noon and 2:00 pm to 4:00 pm in the Band Shell at Brookside Park (south of the Rose Bowl) at the Arroyo Seco Earth Festival. Co-Sponsored by the Caltech Y, the Sierra Club-Angeles Chapter and the United Nations Association, Pasadena Chapter. Admission is FREE.

**1990 Camp U.C.C.s**

The Deans are interested in hearing from you if you would like to attend New Student Orientation as a U.C.C., and have not already been chosen by your House. Camp is scheduled for Wednesday, Sept. 26 through Friday, Sept. 28. Submit a brief written description of your unique qualifications (campus activities, and why you want to go) to the Deans' Office (102 Parsons-Gates) by Monday, April 23rd. We hope, with your help, to add to the diversity of the Camp experience for the new students.

**SSSSP Tutors Needed!**

The Summer Secondary School Science Program will be needing tutors from June 25th through August 9, 1990. The hours are from 9 am to 3:30 pm, Monday through Thursday. Needed are: 4 tutors teaching molecular biology, and 4 teaching chemistry. First preference is seniors, followed by juniors and then sophomores. Applicants may call x6207 or x6208, or visit Lee Browne's office at 107 Winnett Center.

**SSSSP Counselor Applications**

Applications are now available in the Master's Office for undergraduate students who are interested in being a Summer Counselor for the Summer High School Program. The remuneration for the position is a free room for the summer program period, from June 24 to August 10, 1990. The deadline for students to submit applications to the Master's Office is April 23rd.

**Barbershop Singing**

If you enjoy singing harmony, you will love singing with the Barbershoppers. The San Gabriel Chapter of the Society for the Preservation and Encouragement of Barber-shop Quartet Singing in America, Inc. meets each Monday at 7:30 pm in the Adult Recreation Center, 324 S. Mission Drive, San Gabriel. For additional information, please call Bob Newton at (818) 446-3424.

**Off Campus Housing Lottery**

The last day to turn in the blue lottery cards for fall housing is TODAY, April 13, 1990. Turn in your cards to the Master's Office if you want to participate in the off-campus lottery!

**Summer Fellowship Program**

The Dept. of Pharmacological Sciences School of Medicine at the State University of New York at Stony Brook has a limited number of summer fellowships available for outstanding undergraduate (Junior) students interested in eventually pursuing graduate studies in the Pharmacological Sciences (Pharmacology-chemical, biochemical or physiological, Medicinal Chemistry or Toxicology). The fellowships cover a period of approx. ten weeks and pay a stipend of \$2,000.

If you would like to be considered for such a position, please indicate your interest in a letter addressed to: Dr. Moshe Eisenberg, Director, Summer Fellowship Program, Dept. of Pharmacological Sciences, School of Medicine, State Univ. of New York at Stony Brook, Stony Brook, New York 11794-8651.

Also, submit a transcript and two letters of recommendation. Deadline is April 15, 1990. For more information, contact the Deans' Office, 102 Parsons-Gates.

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**Scholarship Listings**

The Financial Aid Office has applications and/or information on the following scholarships. All qualified students are encouraged to apply. The office is located at 515 S. Wilson, 2nd floor, phone x6280.

The Planetary Society actively encourages science students through a variety of programs. The Mars Institute Contest is open to students in both high school and college, and college undergraduates are eligible for the College Fellowship Awards. For entry details write to: The Planetary Society, Scholarship Department, 65 N. Catalina Ave, Pasadena, CA 91106. Deadline for completed applications to be received by The Planetary Society for both the Mars Institute Contest and College Fellowship Awards is April 16, 1990.

AESF Scholarships. Undergraduate Scholarship Program: \$500 minimum per year. A scholarship holder may reapply for a second year, but not for more than two years. A student may apply for any academic year when he or she will be an undergraduate of *at least junior standing* in chemistry, chemical engineering, environmental engineering, metallurgy, or materials science program where the focus of the curriculum is in surface science subjects. Award selection will be based on, but not limited to: career interest in surface finishing, scholarship, achievement, motivation and potential. Awards are not necessarily based on financial need. Deadline for submitting a complete application and supporting documents is April 15, 1990.

The Polish University Club of Los Angeles, Inc. is offering scholarships to students interested in the Polish/Polish-American ethnic. The filing deadline is April 15, 1990.

**Merit Awards**

Each year, the Scholarships and Financial Aid Committee awards a number of Merit Awards to the most academically talented of the Institute's sophomores and juniors, and in special circumstances, freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended 32 Merit Awards of full or three-quarters tuition and 18 honorable mention awards of \$3,000 each. The level of awards this year will be determined by the caliber of applicants.

Applications are available in the Financial Aid Office at 515 S. Wilson Ave. The deadline for submitting completed applications to the Financial Aid Office is 5:00 pm on May 4, 1990.

**Don Shepard Essay Contest**

The Don Shepard Essay Award contest is open to all freshmen, sophomores, and juniors. Three \$500 prizes will be awarded.

To qualify for one of the prizes you must submit an essay (around 500 words) types, or neatly and legibly written, describing a program for your social and cultural enrichment, whether it by pursuing a new hobby, taking lessons, traveling or sightseeing.

The contest will run until May 14, 1990 and you may bring your essay to the Master's Office until that time. Winners will be announced the week of May 14.

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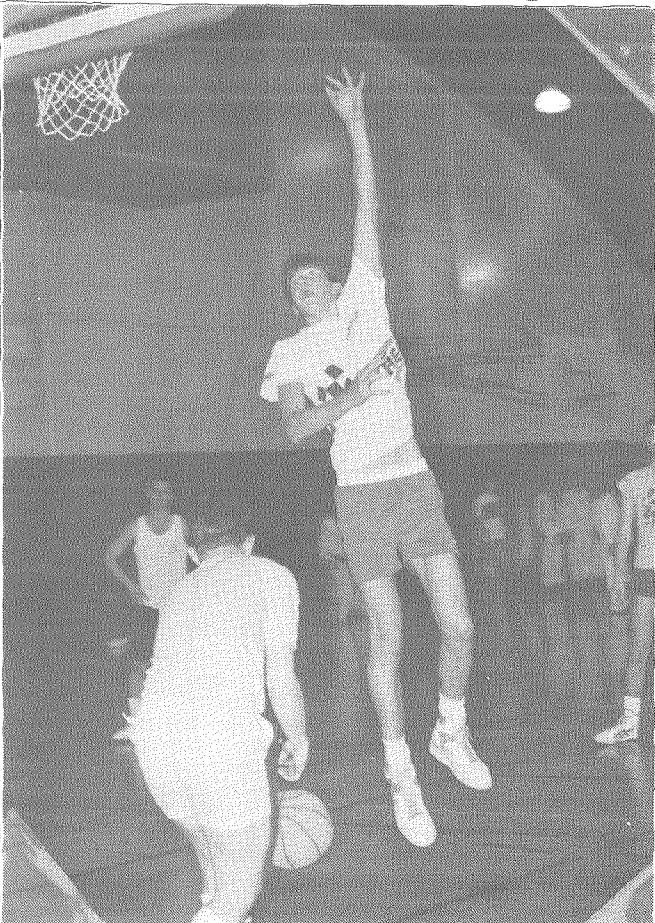
# Exciting I-House Hoops

by Three A. Thai

Interhouse basketball started with a bang last week as the three top teams played each other during the first three days of competition.

Fleming and Page tipped off the season last Friday. Fleming managed to hold off a Page comeback for a 47-44 victory. It was Page, however, which jumped out to an early lead. Fleming came back though and pulled ahead by halftime.

During the second half, Fleming maintained a slim three to seven point lead. In the closing minutes Page, led by Jason Karceski's 23 points, pulled to within 46-44. With ten seconds left, Bill Swanson sank one of two free throws for Fleming, and Page was unable to score in the closing seconds. Fleming was led by juniors Bill Swanson (16 points) and Scott Kister (14 points, four 3-pointers.)



Keith Oslakovic and Eric Stout are amused by Jason MacLeod's attempt at a left handed hook shot before the Page-Blacker game.

team exploited this. Keith Oslakovic hit several shots to lead Ruddock to a 32-16 halftime lead. Fleming's one bright spot was reserve Mark Vermies who scored eight of their first half points.

In the second half, Fleming changed to a zone. The change of defense shut down Ruddock's offense. Fleming scored the first seven points of the second half in a 16-3 run that brought them to within 35-32.

Ruddock began scoring again, however, and opened up a seven point lead with 2:34 to go. Fleming scored twice, and stopped Ruddock to regain possession of the ball, down 43-40 with 43 seconds left. Fleming got the ball to Randy Ralph in the corner, who passed to a wide open Scott Kister at the top of the key. Kister swished his third three point shot of the half to force a tie in the

Monday, the pre-tournament favorite Ruddock met Page. Ruddock with their fast paced game and full-court press was expected to have a high scoring attack. Page played excellent defense, however, and managed a 51-46 win.

Page countered Ruddocks press with veteran guard Jason Karceski. On offense, Page's version of Lethal Weapon III; Dan Flees (22 pts.), Jason Karceski (18 pts.) and Eric Stout (9 pts.) scored 49 of their 51 points.

Ruddocks balanced scoring kept this game was close all the way, however. Ruddock had the lead for most of the second half, but Jason Karceski hit two three pointers to help Page surge into the

lead. Ruddock made the mistake of fouling Karceski at the end. He sank six straight free throws to end Ruddock's hopes of an undefeated basketball season. Ruddock had three players score double figures; Keith Oslakovic (12 pts.), T.J. Creath (10 pts.) and Dave Peterson (10 pts.)

The next day, Fleming's hopes for a basketball championship were crushed by a last second shot by Alex Duncan which gave Ruddock the 45-43 victory.

Fleming played the first ten minutes without star Bill Swanson, who was at USC for Navy ROTC. Fleming was also in a man to man defense. The quicker Ruddock

game with thirty seconds left. Ruddock took their time on offense. Oslakovic and Alex Duncan passed back and forth until Duncan got open for a nineteen footer from the side which he hit with five seconds to go.

Fleming passed the ball to Randy Ralph, who got off a running three pointer as time expired, but it hit the rim and bounced away, giving Ruddock a tie, and creating a three way tie between Fleming, Page, and Ruddock. Oslakovic led Ruddock with 15, followed by T.J. Creath at ten points. Swanson and Vermies each had ten for Fleming.

Lloyd has yet to play any of these three houses, and may still have a say in the standings.



Why is distance man Chris Campo smiling? A) He loves running. B) He ran his best time ever last week. C) Coach O'Brien is out of town.

# Track Beats Poets

by Chris Campo

The Caltech Beavers did battle Saturday, April 7 on the ocean-blue track at Pomona-Pitzer against the Whittier Poets and the Pomona-Pitzer Sagehens. The Sagehens crushed Tech 121-43, but the Beavers managed a victory over Whittier 111-50.

Freshman John Freeman conserved his energy in the 1500 meter race early in the day so that he could perform well in the 800 meters. And perform well John did, setting a season personal best of 1:59 to finish third in the 800. Whittier's formidable 800 meter man, Sean Blanchard, went out hard and almost hung on to beat John. The smooth and steady Tech runner followed his usual plan of running an even pace however, and edged out Blanchard by a mere second.

While John was the middle-distance performer of the day, the distance man for Caltech in the meet was Chris Campo. For the first seven laps of the 5000 meter

race Whittier's Mike Montgomery led with Pomona's Fale and Campo in Montgomery's draft. The trio came through the mile in 5:15, and just after the first turn on the seventh lap the Pomona runner surged to the lead. Campo took advantage of the situation to follow Fale and pass Montgomery.

The two runners came through the two mile mark in 10:15, and Fale surged to extend his lead. Campo was unable to stay with Fale, but managed to put a large gap between himself and Montgomery before the end of the race. Fale was first in 16:25, followed by Campo in his best ever time of 16:37.

Caltech freshman Rob Whiteley turned in an impressive 23.63 to capture third place in the 200 meter race. Whiteley also excelled, along with teammate Brady Montz, in the 100 meters. Whiteley was third in 11.81 - just .01 second behind second place finisher Montz. Montz was a force in the 400 meter race as well, turning in a 52.69 to finish in fourth place.

Greg Dudey blazed a 59.54 in the 400 meter hurdles - a time which was good enough to capture second place. Dudey performed well in his second event of specialty as well, vaulting 13-0 in the pole vault to win that event.

The premiere Caltech thrower for the day was Jeff Martin, taking third in the javelin with a throw of 142-11 and fourth in the discus with a throw of 114-9.

The Caltech women's team consisted of one member: Emmeline Naranjo. By participating in the 400 meter hurdles, 100 meter hurdles, and triple jump, Emmeline managed to get Caltech 13 points to Whittier's 63 and 9 points to Pomona's 99.

Hopefully Emmeline will not have to hold up the ship on her own next week (April 21) at Caltech against Redlands and LaVerne.

a great distance to join the conflict, led assaults on the enemy's front lines. Pat "Stonewall Jackson" Dobson led his line on daring flanking maneuvers. Ben Skrainka and Dennis Moore ("Masters of the Rear Guard") repelled diversionary attacks by the enemy. But the well equipped MIT team still stood firm, while, by the second half of the 3rd period, Caltech was running out of ammunition.

Now MIT saw its chance. The battle weary Caltech team had spent itself - it simply could not compete with the greater industrial capacity of the northern-based MIT. MIT charged. Falling back, Caltech did its best, but it was over exposed and out of ammunition. Soon, its lines were overrun and it was routed. The final score was 6-1.

At least the Beavers still won.

# Hockey Beavers Win and Lose

by Brooke Anderson

Battle lines were drawn March 18th when the Caltech Beavers challenged the MIT alumni Beavers to a game of hockey. Not since the Civil War has there been a conflict that so capriciously divided a formerly united group, with Beaver fighting Beaver, Techer fighting Techer.

Even the spectators were divided. Some cheered for MIT; some cheered for Caltech. Yet others chanted, "Boil that dust speck! Boil that dust speck!" - but after being informed about the nature of the game, they switched to chanting simply "Go Beavers!"

With cavalry-like speed, MIT scored 2 quick goals to make the

score 2-0. Caltech fought back, and Herman "Bayonet" Cho scored by deflecting a perfectly-timed backhand shot by Dwight "Sharpshooter" Berg. Then MIT, sensing a charge by the rallying Caltech, dug in. Dave "Artillery" Fort tried to breach MIT's defenses with a ruthless cannonade of slapshots. But at the end of the second period, the score was still 2-1. Caltech's charge had been thwarted.

Between the periods, George "Robert E. Lee" Yates tried, with various inspirational comments, to again rally the Caltech team. "Men, the enemy says that the LA smog has rotted our nervous systems, leaving us sluggish and mentally impaired." The team murmured a

bit, but some reluctantly nodded their heads, confirming that the statement, although inflammatory, did have some merit. "They say that, with Caltech out of the way, there will be nothing to stop them from burning Pasadena to the ground and continuing their march to the sea." Again the team murmured, but some postulated that this might have a beneficial cleansing effect on the area. "They say that John Schwarz's string theory is a load of crap!" That did it. There are rules even in war, and MIT had obviously transgressed them.

Thus, the 3rd period began with a withering attack mounted by an invigorated Caltech. Dave "Law's Brigade" Braun, who had marched

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	4-6	Baseball	Pomona-Pitzer	3-10
Sat.	4-7	Baseball (2)	Pomona-Pitzer	1-8, 2-7
Sat.	3-3	Track	Pomona-Pitzer, Whittier	Men: vs. PP 43-121, vs. Whittier 111-50 Women vs. PP 9-99, vs. Whittier 13-69
Sat.	4-7	Tennis (W)	Redlands	0-9
Sat.	4-7	Tennis (M)	Redlands	0-9
Tue.	4-10	Baseball	PCBBC	3-19
Tue.	4-10	Tennis (M)	Claremont-Mudd	0-9
Wed.	4-11	Tennis (W)	Christ College	3-6

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Sat.	4-14	11:00 am	Baseball (2)	Barstow College	Caltech
Sat.	4-14	1:30 pm	Tennis (M)	Faculty	Caltech
Sat.	4-14	2:00 pm	Tennis (W)	Cal Lutheran	Cal Lutheran
Mon.	4-16	1:00 pm	Golf	Claremont	Occidental
Tue.	4-17	3:00 pm	Tennis (M)	Loma Linda University	Caltech
Wed.	4-18	1:00 pm	Golf	Redlands	Claremont-Mudd
Wed.	4-18	3:00 pm	Tennis (W)	Redlands	Caltech
Fri.	4-20	3:00 pm	Baseball	Pac. Coast Baptist Bible College	P.C.B.B.C.
Sat.	4-21	10:00 am	Tennis (W)	Claremont-Mudd-Scripps	C.M.S.
Sat.	4-21	11:00 am	Baseball (2)	Cal Lutheran	Cal Lutheran
Sat.	4-21	11:00 am	Track	La Verne, Pom-Pitz, Redlands	Caltech
Sat.	4-21	2:00 pm	Tennis (M)	Pomona-Pitzer	Pomona-Pitzer

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