

## Snow Falls Into Admissions

The new year has brought with it a few new additions to the Caltech community. Among them is Carole Snow, who was hired on July 1 as the new Director of Admissions to replace Dan Langdale who departed Caltech for Massachusetts last year.

Dr. Snow had worked at USC for the past fifteen years in various positions including Associate Dean for Student Affairs in the School of Engineering, Special Assistant to the Dean in the School of Arts and Sciences, and some teaching, but her interest in the position of Director of Admissions was enough to draw her to Caltech. During her stay at USC, she was involved with the selection of positions similar to the one which she now holds at Caltech. She chaired a committee that selected a Director of Admissions for USC, so she has some sense of what job requires, and has always been interested in it, and has even worked with admissions

before, but has not had the opportunity until now to be directly involved.

Dr. Snow spent much of the summer getting to know Caltech—reviewing some of the applications for the current year, but now that the students have returned to the campus, she looks forward to getting to know the students in person.

Two students were recently hired in the admissions office, so that when visitors come to the office, they will have a chance to talk to them as well as the other admissions staff. "Students trust other students the most," she said, "in every survey I've seen." The two will also have the responsibility of publishing a newsletter that responds to question and letters of applicants.

When asked about the unusual size of the incoming class, she responded that an unusually large number who had been admitted had decided to attend Caltech. She feels Dan Langdale and Admissions did

an excellent job, one she hopes to keep up in the future.

She also intends to keep up the increased female to male ratio, saying, "I think it has been a manner of tradition, and not talent that so many more men [attended the Institute] than women in the past...If Caltech represents the best the world has to offer, we need to [encourage the addition of women]." She has tried to understand some of the problems that the school poses to women—many women don't believe they will find it hospitable, especially after a recent article that appeared in the *StarNews*. "Even though there are many good people here, it requires extra energy for the women [to live at Caltech]."

The previous Director did most of the work in changes to the Admissions department, but some other changes are still occurring. In fact, she mentioned that the prefrash weekend policy was under review.



Photo courtesy of Public Relations

Dr. Snow, recently of USC, is the new Director of Admissions

Women coming to prefrash weekend have expenses paid by the Institute. In the future, it is possible that need-based financial assistance

alone will be provided. "Caltech is the world at its best: It's not perfect, it's constantly changing and struggling, and it's an exciting place to be."

### KEY

- Video Rentals
- Grocery Stores
- Park/Fields
- Ice Cream Stores
- Donut Shops
- Bank (ATM)
- Caltech Appartements
- Caltech Houses
- Dining Establishment
- 24 Hour Service!
- Theater

**Dining**

1. Tarantino's...An excellent Italian restaurant with all-you-can-eat specials every weekday night. Somewhat limited seating.
2. Soup Plantation... All-you-can-eat soups, salads, and muffins. Also, they offer a student discount with a Caltech ID.
3. Super-A's...Inexpensive Mexican food. Try El Zapato if you've got a hardy appetite.
4. Subway...Sandwiches and all you can drink soda.
5. Eddie's...Liquor store with a sandwich deli during the day. Good stuff, and close.
6. Jack-In-The-Box...Fast food, open 24 hours.
7. Carl's Jr...More fast food. All-you-can-drink and a nasty salad bar.
8. O'Pataya's...Inexpensive Thai food (in the \$5.00 range). Good, but sometimes a bit chewy....

**Other Food**

9. Baskin Robbin's...says it all.
10. Double Rainbow Ice Cream... open 'til about 10.
11. Winchell's Donuts...24 Hours.
12. A+ Donuts.

**Grocery Stores**

13. The Pantry...No matter what they call it, it's still the Pantry. Closest groceries.
14. Ralph's...Cheaper and bigger than the Pantry, but a bit farther.

**Banks**

15. Wells Fargo...at the moment.
16. American Savings
17. California Federal
18. Wells Fargo.
19. Bank of America
20. Coast Savings
21. Security Pacific...Drive thru ATM!

**Movie and Video and Other**

22. The Academy...Six bargain price theaters
23. Blockbuster Video...Most rentals are \$3 for 3 nights. Very large selection. Check out Le Bad Cinema!
24. West Coast Video...smaller stock to choose from.
25. The Caltech/JPL Health Center
26. Grant Park...Picnic tables, a softball field, basketball hoops and two (beat-up) tennis courts. But don't stay here to long after dark.
27. Caltech Athletic Facility

### INSIDE:

**New Entertainment Section**

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**The New MOSH Takes Face**

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# An Atypical Trip to Tijuana, Mexico

by Pete Carlin

In July the Caltech Y sponsored a trip down to Tijuana, Mexico. The trip was designed to help the Tijuana YMCA construct a community center in a very populous barrio called Mariano Matamoros. With the community center, the Y hopes to provide day care and educational opportunities for the barrio.

Twelve people participated. During their two days in Tijuana, they were subject to a wide range of experiences. Living in a home for minors deported across the border the the INS, they performed manual labor on the construction site in Mariano Matamoros. One evening was spent visiting downtown Tijuana. Summarizing the experience, Dan Sandoval said, "I learned more in two days than I had in two years at Tech."

The range of emotions expressed by the participants were as varied as the experiences. Some were seeing



Photo by Pete Carlin

Teachers in Tijuana and Tequila in sight! the realities of life in a severely underdeveloped area for the first

time. Some were shocked by the feeling that they were being helped more than they were helping. Some were humbled by the strength of character displayed by people they met. Feelings of guilt, inspiration, and hopelessness could be experienced without time to assimilate any of them.

All came away with more questions than they had begun with. Yet all felt the lessons they did learn, and the thoughts created by the questions raised, were invaluable.

The Caltech Y is committed to continued volunteer work with the Tijuana YMCA. A second community center is under construction, and there is an endless array of projects that can be worked on. Since the first trip, Y-sponsored groups have returned three times. The Y will be sponsoring trips approximately every month. Those interested in participating should come by the Y for information, or call x6163 and talk to Chris.

## Editorial

### Delwyn Gilmore

#### Just Check No

As new students pour into Pasadena, and Tech begins to awaken itself for yet another year of toil and technology, it is time for those of us interested in continuing our education beyond these hallowed halls to start wading through graduate school applications.

These forms ask for a great deal of information which the various departments hope will let them evaluate the applicant's scholarship and potential for doing creative research. However, most applications (as well as registration forms for tests such as the GRE) also contain an optional section in which the applicant is asked to identify him or herself with a specific ethnic group.

Having worked in admissions at the high school level and having served on the freshman admissions committee this past year, I understand the difficult task facing graduate departments which wish to admit students who display a wide diversity of interests and backgrounds while not sacrificing intellectual quality. But is ethnic definition a good source of information with which to attack this problem? Rather, I would say that it is an easy out for admissions officers. It is far too common to see schools boast of their diversity by pointing to the meaningless ratios of minority X to majority Y. Diversity is not a statistic. Differences in race do not necessarily equate with differences in culture and viewpoints.

Let's make sure that the powers-that-be earn their pay. If questioned about your race or ethnic affiliation, think for a minute. Do you want to be known for what you think and do, or for your genes? Just check no.

## Editorial

### Jon Liljeblad

#### To Incoming Freshman:

There is no question that the California Institute of Technology is an experience. There is no question that it is something which will not allow itself to be erased from your memory. Just talking to alumni makes this clearly obvious. Of course, each graduate remembers this school in their own way—some liked it here, some did not.

For those who are about to be initiated into the Caltech community: welcome. You, as is often said, are about to enter the American Collegiate Experience. What's more, you will be entering the Caltech experience. The times students spend here leave a deep impression that will mark them out long after they have departed the campus.

But then this leads to the question of just what kind of an impression do they get? That is, do students get everything they want out of this school? What, if any, will they take with them when they leave?

For most of the undergraduate body Caltech will give a satisfactory academic load—probably far more, in fact, than they could ever possibly want. There will be a few who breeze through here, but for the majority this school will provide the most intensive, rigorous, demanding scientific education within the North American continent. This education will be administered firmly, resolutely, and without hesitation. You would not be here otherwise.

But as much as this academic equivalent of NAVY SEAL team training will give to students here, it will not provide them with everything necessary for a complete college experience. It will not provide them with all that is perhaps necessary for life—some things, and perchance many things, must be learned outside of lecture halls and textbooks. For life is far more than just hours in the laboratory and office, it is far more than just work and instruction and investigation. It is also about people.

The American College Experience is in part an education in society, an introduction to basic social living. No one is enough of a recluse to live completely without other people. College, in addition to school, should also be realized as being a place where the rising adults of society learn in some fashion how to live with each other. Risking the edge of sentimentality, college should be used as a place to understand "life, the universe, and things in general" as well as an individual's place within it.

While such courses as Ph 106 may teach gravitation and A.Ma. 95 applied math in healthy detail, they will not teach you to how to live. This is something the finest scientific and technical undergraduate education will not provide. This is something Caltech was not created for—or for that matter any school. This is something you must take some time to learn on your own.

This is just a reminder that while perhaps the Caltech experience will give all that could be wanted in an undergraduate education, students should also remember to take some time out to think about life. In this way graduates will leave with impressions to remember long after they have departed this school.

Good luck frosh, it's your turn

## THE CALIFORNIA TECH

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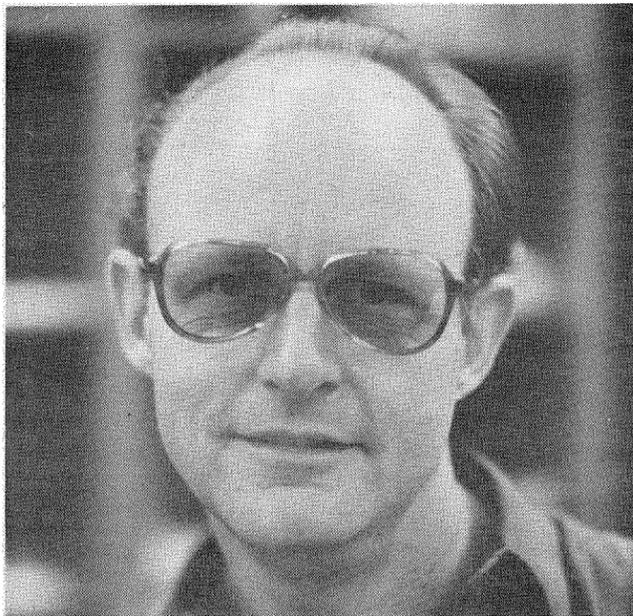


# A Look at the New MOSH

Since April of the last school year, when it was announced that Louis Wilde had resigned as the Master of Student Houses, a committee of students and faculty has been conducting a careful search for a successor to the office. Now, nearly five months later, Professor David Wales has been named to the position.

Dr. Wales received his Ph.D. in Mathematics from Harvard, and arrived at Caltech in 1967 intending only a short two year stay. But things don't always turn out as planned, and he has been here ever since. Since then, he has served as Associate Dean from 1976-80 and Dean from 1980-84. More recently, he was the Executive Officer of the Mathematics department, a position he intends to vacate at the start of the school year in order to spend more time as the Master of Student Housing.

The role of the MOSH has become more demanding in the last few years. In addition, since the creation of the Director of Resident Life position, which was intended to relieve some work from the MOSH, the individual interactions and responsibilities of the DRL and MOSH have been in question. It seemed reasonable to allow the new MOSH and Kim West to decide for themselves what sort of division would be drawn in their respective jobs. Dr. Wales worked with Dean Brennen years ago, when Dean Brennen served as the MOSH, but the position has changed considerably since then. For the past few months, Kim West has been filling in for the MOSH, taking on both jobs, but the responsibility proved



The new Master, Professor David Wales

nearly overwhelming. The middle-of-the-night student counselling duties that once fell upon the MOSH will now belong to the DRL. Dr. Wales intends to use the time this frees up to increase social interaction between the students and faculty. He sees himself as the faculty representative to students with respect to campus housing. Traditionally, the MOSH has always been a faculty member who taught classes, and/or had close interaction with the student body, even before being appointed—a tradition that made the MOSH a very approachable figure. Dr. Wales considers the change in job description—the shifting of power to the DRL as a relief that will allow him to get closer to the students, without

other responsibilities taking up all his time.

Another change that has taken place is the relocation of the MOSH's "headquarters" to the offices underneath Winnett. Professor Wales is responsible for the current arrangement of the Dean's offices in Parsons-Gates, and asked for the move in the hopes of making his office more inviting to students. While the old office was closer to the undergraduate houses, it may have been a bit too close to Lloyd (the old address was actually in Lloyd House). The new one is located in a more neutral position—still close to the undergraduates, but also easily accessible to Marks House, 150 S. Chester, and other off campus houses that don't normally traverse the Olive Walk to get to class. The new office also offers advantages such as a place for large meetings in nearby Winnett hall.

Professor Wales welcomes visitors to the office, and even has plans for weekend social gatherings (barbeques?) that hopefully will be attended by students and faculty alike.



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- 6/11 Passenger-side wheels were removed from a 1969 VW bug in the Wilson parking lot. The victim first thought it was a prank, then found his friends didn't do it.
- 6/17 A CD player and stereo were stolen from an office in Kellogg Lab—the room was locked, but no forced entry was noted.
- 6/23 Four green wooden boxes each weighing 153 lbs. were lifted from the Central Engineering Shop. No one was authorized to take boxes, but witnesses a man with some papers arrived, waved his papers around, and loaded all four boxes on to his truck and drove off. The boxes were later recovered.
- 6/30 Food stolen from Ricketts House fridge:
  - 2 Knudsen strawberry lowfat yogurts
  - 1 Bon Lait strawberry dairy dresser
  - 1 Weight Watcher's Garden Lasagna
  - 1 fish dinner
  - 2 Stouffer's light choice chicken dinners
  - 1 Von's broccoli cuts
  - 1 Lean Cuisine Chicken Parmesan
- 7/1 Miscellaneous camera equipment stolen from Beckman Institute. Equipment was property of Cambridge University.
- 7/13 \$320 stolen from various rooms in Page House
- 7/13 Black two-piece Gitano swim suit with pink edges stolen from open room in Page House.
- 7/20 Electric scoreboard stolen from Fleming (total value \$20).
- 8/12 Pay telephone reported stolen from Fleming near room 64.
- 8/16 Toyota Supra stolen from Chester parking lot, later recovered stripped in Canoga Park.
- 8/20 Miscellaneous computer equipment and programs stolen from an office in Winnett-entrance was apparently made through a window..
- 8/30 Mac Ilci stolen from Church Lab.

Total Dollar Value lost or stolen: \$20,351.37  
Also included in the dollar value are 9 bicycle thefts (or parts of bicycles) and 4 stolen car stereos.

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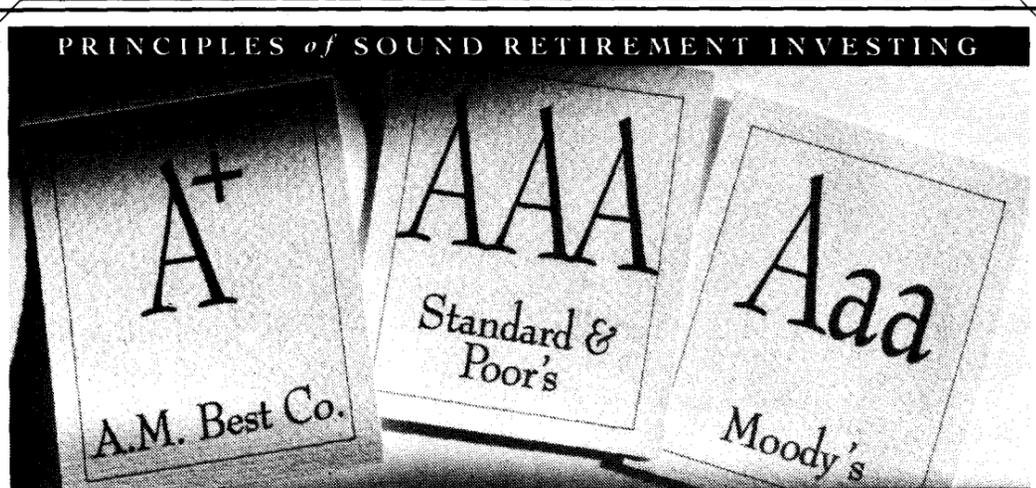
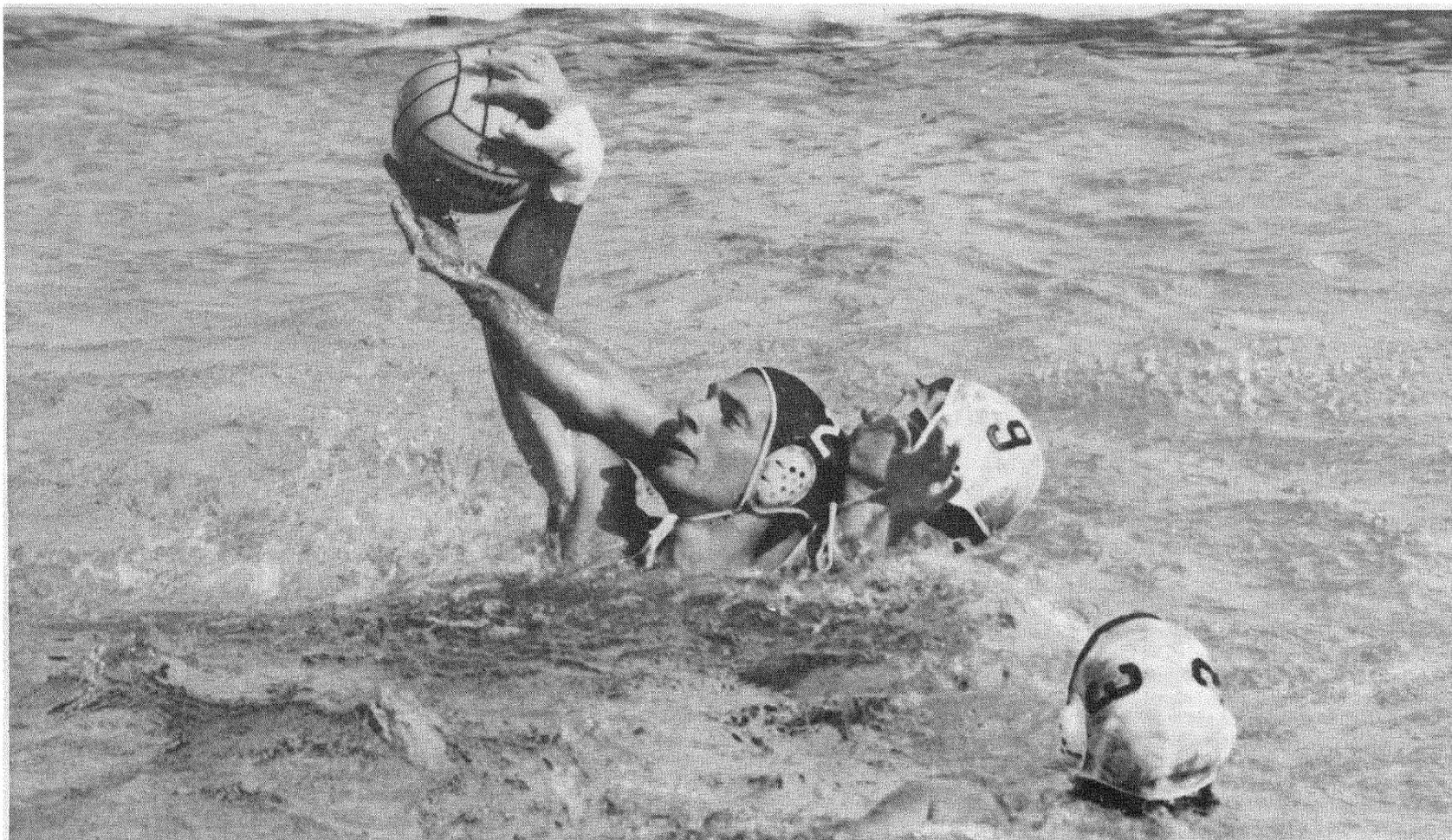
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**Y News**

Welcome one and all to a brand new exciting year at the Caltech Y. Drop by September 30 at 12 noon for the first meeting of the Excomm. For anyone interested in a fun day outdoors, sign up for the Throop Peak Hike on Saturday, October 16. If you want your event sponsored by the Y be sure to come upstairs and see Chris before 11 a.m. on Mondays. Need work-study money? See Chris for more information. Anything else ... just stop by the Y. We're upstairs in Winnett. Just look for the flag.

**Yearbook Editors Win Award**

During the past summer, two of our Big T editors, Michelle Tseng and Emily Wen went to a yearbook workshop held by Taylor Publishing Company. The team won first place in Outstanding Achievement in Completed Yearbook Project.

The workshop, held in Pepperdine University, aimed towards introducing innovative ideas and techniques to yearbook staff and editors for the publication of their 1992 yearbooks. Over 40 schools from all over Southern California, including Pitzer College and Occidental College, participated in the five-day workshop.

At the end of the week, each school was asked to design a complete theme project. The instructors stayed up until 4 a.m. the last day of the workshop to judge all the projects. An award luncheon ended the workshop, with prizes given in the areas of photography, copywriting, layout, and overall theme development.

"We are so amazed that we won!" said the editors.

Besides winning the grand prize of the workshop, Michelle Tseng also won third place in Layout Design.

The yearbook currently is looking for people to help in the areas of copywriting and photography. If you are interested in working for next year's yearbook, please drop by Lloyd House Room 133 for an application and further information.

# ENTERTAINMENT

## THIS WEEK

Willie Tyler, "America's foremost ventriloquist/comedian" who has appeared on "The Tonight Show," "The Merv Griffin Show," as well in the movie "Coming Home" will be performing at *The Ice House*, October 3-5.

Also, Ron Shock, an original member of the famous "Texas Outlaw Comics," will be appearing at *The Ice House* October 1 & 2.

Showtimes 8:30 PM Monday thru Friday, with additional shows at 10:30 Friday, 7:30, 9:30, and 11:30 Saturday. For reservations call (818) 577-1894 after 12 noon. *The Ice House* is located at 24 N. Mentor Avenue in Pasadena.

Movie Review:

## Barton Fink

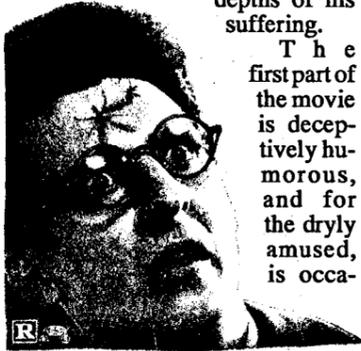
Jonathan N. Liljeblad

*Barton Fink* managed to distinguish itself at this year's Cannes Film Festival by winning the Best Picture, Best Actor, and Best Director awards—an unprecedented event in the festival's history. Evidently, the French found it to be of superior quality, as have the critics here in the United States.

But the audience should be advised that before jumping into the car and going out for a night's entertainment, they should possess some notion of exactly what they are in for, because this film is indeed what its creators intended it to be: a work of art. It is deep, it is intellectual, and it is disturbing. It is not something that will have you leaving with laughter.

Basically, and without divulging too much of the plot, *Barton Fink* is about the character of the same name. A budding playwright, Barton Fink is lured out west to the glamour and promise of the Golden Age-era Hollywood to become a temporary screen writer. His visit, however, soon becomes a dizzying, twisting sojourn in a land of Babel. Surrounded by the products of the movie industry, Fink becomes a forlorn character caught in the webs of the studio asylums—institutions

filled by the figures and shadows of men engrossed deep in the lost musings of a superficial world. Fragmented, broken, confused, Fink plunges along a Dante-esque descent into a Hollywood Inferno, roping the viewer along with him down in the depths of his suffering.



The first part of the movie is deceptively humorous, and for the dryly amused, is occa-

sionally a riot. But with each incredibly well-detailed, intricately developed scene, the audience is forced to become more disturbed by the film's story. The horrific, unsettling turning point follows soon after Fink's seduction, and from then on the movie explodes into a grim surreal nightmare rising in crescendo until the final scene, which behaves like some denouement to leave the viewer with their own thoughts. In some ways, the film reminds one of a tragic symphony under the direction of a dark

maestro—deep, brooding, deliberate, slow to build but incredibly intense in the after.

John Turturro does an excellent job as the confused, idealistic, and talented Barton Fink. John Goodman is a surprisingly good satanic figure, lord and master of his Inferno. Together, their roles bring home the purgatory of Fink's existence and ripen it into fruition as an ultimate hell.

*Barton Fink* is an amazing piece of work and should be the pride of the brothers Joel and Ethan Coen (director and producer, respectively). For those in need of a dark intellectual dreamscape or a vision of an artistic dystopia, this film would be highly recommended. It is the reminder for those of us living

here in this bohemia of the other side of the California West Coast everybody-do-what-feels-good mentality, of the altered dreams that exist concomitant to the aspirations of budding entertainment wannabes here in what the Eagles once so vividly described in "Hotel California." See it.

**Rating: R**  
**Quality: Superb**  
**Entertainment: Engrossing**  
**Comments: Pathologically disturbing**

## Coffee House News

Hoyt Hudson, Coffeehouse Head Manager

It is my great pleasure to announce the grand opening of the Caltech Coffeehouse for the 1991-92 school year. We will be open for business on Monday, October 7. This year our commitment to value, quality, and comic books is certain to be unsurpassed in the food service industry. All those MANAGERS who worked last year and wish to continue working are urged to attend the MANAGER'S SCHEDULING MEETING on Tuesday, October 1 at noon in the Coffeehouse. All WAITERS who worked last year and want to work must attend the WAITER'S SCHEDULING MEETING on Thursday, October 3 at noon in the Coffeehouse. Students who wish to join the ranks of the elite Coffeehouse waiters should contact Hoyt Hudson (255 S. Hill,

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# Rotation

Name	SUN Dinner	MON Lu/Di	TUE Lu/Di	WED Lu/Di	THU Lu/Di	FRI Lu/Di	SAT Lunch									
								Elijovich, Matias	/PA	BL/FL	DA/RI	RI/RU	FL/DA	RU/BL	LL/	
								Escorcía-Aparic, Ernesto	/DA	LL/PA	BL/FL	FL/RI	PA/BL	RI/LL	RU/	
								Etyemezian, Vicken R.	/RU	PA/RI	DA/BL	BL/LL	RI/DA	LL/PA	FL/	
Aamot, Leif E.	/FL	LL/RI	RU/PA	PA/DA	RI/RU	DA/LL	BL/									
Adair, Brian A.	/RI	BL/RU	PA/LL	LL/FL	RU/PA	FL/BL	DA/	Faulcon, Ghene	/FL	PA/RU	BL/DA	DA/LL	RU/BL	LL/PA	RI/	
Aldridge, John S.	/DA	PA/BL	RU/RI	RI/FL	BL/RU	FL/PA	LL/	Favela, Javier	/PA	RI/LL	DA/BL	BL/FL	LL/DA	FL/RI	RU/	
Ambastha, Shantanu	/BL	RI/LL	DA/RU	RU/PA	LL/DA	PA/RI	FL/	Fong, Hung F. (TR)	/BL	DA/RI	RU/LL	LL/PA	RI/RU	PA/DA	FL/	
Anderson, Jasmine R.	/LL	FL/RU	RI/PA	PA/DA	RU/RI	DA/FL	BL/	Fox, Stacy J.	/RI	FL/RU	LL/PA	PA/BL	RU/LL	BL/FL	DA/	
Anshelevich, Michael (TR)	/RU	FL/DA	LL/RI	RI/PA	DA/LL	PA/FL	BL/	Fujimoto, June H.	/LL	PA/RI	RU/BL	BL/DA	RI/RU	DA/PA	FL/	
Arias, Martha M.	/RI	DA/BL	FL/RU	RU/PA	BL/FL	PA/DA	LL/									
								Garcia, Corinna E.	/FL	RU/RI	BL/DA	DA/PA	RI/BL	PA/RU	LL/	
Baker, John M.	/DA	RU/BL	LL/FL	FL/RI	BL/LL	RI/RU	PA/	Garcia, Virginia C.	/LL	RU/RI	PA/DA	DA/BL	RI/PA	BL/RU	FL/	
Banks, David A.	/RI	PA/BL	RU/FL	FL/DA	BL/RU	DA/PA	LL/	Gaskell, Lisa E.	/LL	RU/FL	BL/DA	DA/RI	FL/BL	RI/RU	PA/	
Barrera, John A.	/DA	LL/BL	RU/RI	RI/FL	BL/RU	FL/LL	PA/	Gerardy, Christopher L.	/PA	RI/DA	FL/RU	RU/LL	DA/FL	LL/RI	BL/	
Barski, Alex Y. (TR)	/BL	PA/RI	LL/RU	RU/FL	RI/LL	FL/PA	DA/	Gibble, Heather J.	/FL	BL/LL	DA/PA	PA/RU	LL/DA	RU/BL	RI/	
Becker, Kristin L.	/BL	FL/RI	PA/LL	LL/RU	RI/PA	RU/FL	DA/	Golovitsner, Alex	/DA	RU/BL	PA/LL	LL/RI	BL/PA	RI/RU	FL/	
Beheler, Carlan J.	/DA	RU/LL	PA/FL	FL/BL	LL/PA	BL/RU	RI/	Gonzalez, Anthony H.	/LL	RI/BL	DA/RU	RU/FL	BL/DA	FL/RI	PA/	
Belongie, Serge J.	/PA	RI/DA	LL/BL	BL/FL	DA/LL	FL/RI	RU/	Gottula, Todd J.	/BL	DA/LL	PA/RU	RU/RI	LL/PA	RI/DA	FL/	
Benedetti, Michael D.	/LL	DA/PA	RI/RU	RU/FL	PA/RI	FL/DA	BL/	Grangaard, Andrew P.	/RU	DA/FL	BL/PA	PA/LL	FL/BL	LL/DA	RI/	
Berger, Zackary D.	/PA	RI/LL	FL/BL	BL/RU	LL/FL	RU/RI	DA/	Greenburg, Steven J.	/PA	FL/RU	DA/RI	RI/BL	RU/DA	BL/FL	LL/	
Bergmann, Marcel P.	/LL	RU/FL	DA/RI	RI/PA	FL/DA	PA/RU	BL/	Grelecki, Sharon L.	/LL	BL/RI	FL/PA	PA/DA	RI/FL	DA/BL	RU/	
Bjorn, Vance C.	/FL	PA/RU	BL/LL	LL/DA	RU/BL	DA/PA	RI/									
Blaine, Alan M.	/RU	PA/LL	RI/DA	DA/BL	LL/RI	BL/PA	FL/	Hackman, Eric	/RI	RU/BL	FL/DA	DA/LL	BL/FL	LL/RU	PA/	
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Bocanegra, Cesar	/RU	DA/BL	PA/FL	FL/RI	BL/PA	RI/DA	LL/	Hare, Christopher A.	/PA	BL/FL	LL/DA	DA/RI	FL/LL	RI/BL	RU/	
Bott, Michael L.	/RU	LL/FL	PA/RI	RI/DA	FL/PA	DA/LL	BL/	Haritos, Konstantinos	/PA	LL/DA	FL/RI	RI/RU	DA/FL	RU/LL	BL/	
Boyce, Charles K.	/BL	RU/PA	LL/RI	RI/DA	PA/LL	DA/RU	FL/	Hassan, Ricardo J.	/BL	PA/LL	RI/RU	RU/FL	LL/RI	FL/PA	DA/	
Brewington, Brian E.	/LL	RU/RI	FL/BL	BL/PA	RI/FL	PA/RU	DA/	Hassan, Syed A.	/PA	DA/RU	BL/LL	LL/RI	RU/BL	RI/DA	FL/	
Briggs, Jonathan P.	/PA	BL/FL	DA/LL	LL/RU	FL/DA	RU/BL	RI/	Hathaway, Remy A.	/RI	RU/PA	FL/BL	BL/DA	PA/FL	DA/RU	LL/	
Bryant, Christopher W.	/RU	LL/BL	RI/FL	FL/DA	BL/RI	DA/LL	PA/	Hedlund, Magnus	/RI	DA/RU	FL/LL	LL/BL	RU/FL	BL/DA	PA/	
Buchner, Christopher M.	/DA	RI/RU	PA/BL	BL/FL	RU/PA	FL/RI	LL/	Henny, Dee Ann C.	/PA	RI/RU	DA/FL	FL/LL	RU/DA	LL/RI	BL/	
Bykov, Vladik	/LL	FL/BL	RU/PA	PA/DA	BL/RU	DA/FL	RI/	Hightower, Adrian	/BL	LL/PA	RU/DA	DA/FL	PA/RU	FL/LL	RI/	
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Carle, Matthew T.	/BL	RI/LL	DA/PA	PA/RU	LL/DA	RU/RI	FL/	Ho, Flora	/PA	LL/BL	DA/RU	RU/RI	BL/DA	RI/LL	FL/	
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Casciotti, Karen L.	/LL	RU/BL	PA/FL	FL/DA	BL/PA	DA/RU	RI/	Hobbs, Cedric M.	/LL	FL/DA	RI/BL	BL/PA	DA/RI	PA/FL	RU/	
Cato, Jennifer M.	/LL	RI/RU	FL/BL	BL/DA	RU/FL	DA/RI	PA/	Hodnett, David W.	/LL	PA/DA	BL/RI	RI/FL	DA/BL	FL/PA	RU/	
Chan, Alice L.	/FL	BL/LL	PA/RI	RI/DA	LL/PA	DA/BL	RU/	Holland, Jacob E.	/FL	RU/BL	DA/RI	RI/LL	BL/DA	LL/RU	PA/	
Chance, Frances S.	/RI	RU/BL	DA/PA	PA/LL	BL/DA	LL/RU	FL/	Hollinger, Jason P.	/DA	RU/FL	PA/LL	LL/BL	FL/PA	BL/RU	RI/	
Chang, Celene	/LL	DA/PA	RI/FL	FL/RU	PA/RI	RU/DA	BL/	Holton, James M.	/PA	DA/RI	RU/LL	LL/BL	RI/RU	BL/DA	FL/	
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Chavanikamannil, Finny G.	/FL	PA/BL	RI/LL	LL/RU	BL/RI	RU/PA	DA/	Hueffmeier, Ewald W.	/PA	DA/FL	RI/BL	BL/LL	FL/RI	LL/DA	RU/	
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Chen, Christine H.	/BL	FL/PA	RI/DA	DA/LL	PA/RI	LL/FL	RU/	Huyn, Le A.	/FL	BL/RU	LL/RI	RI/DA	RU/LL	DA/BL	PA/	
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Chou, Hsun-hua	/BL	LL/PA	RI/RU	RU/DA	PA/RI	DA/LL	FL/	Ichiriu, Michael E.	/DA	BL/FL	RU/RI	RI/PA	FL/RU	PA/BL	LL/	
Chugh, Ajay	/PA	FL/DA	RI/BL	BL/LL	DA/RI	LL/FL	RU/	Imam, Neena	/LL	DA/RI	RU/BL	BL/FL	RI/RU	FL/DA	PA/	
Chuong, William C.	/BL	RU/PA	FL/LL	LL/DA	PA/FL	DA/RU	RI/	Impert, Nicky P.	/DA	PA/RU	BL/RI	RI/LL	RU/BL	LL/PA	FL/	
Clapp, Matthew A.	/PA	FL/LL	RU/RI	RI/DA	LL/RU	DA/FL	BL/									
Co, Erick W.	/LL	RI/RU	DA/BL	BL/FL	RU/DA	FL/RI	PA/	Jafri, Mansoor	/RU	DA/LL	FL/BL	BL/RI	LL/FL	RI/DA	PA/	
Cooper, Brian M.	/LL	PA/RU	DA/RI	RI/BL	RU/DA	BL/PA	FL/	Jarvis, Robert M.	/RU	RI/PA	BL/FL	FL/LL	PA/BL	LL/RI	DA/	
Corazzini, Tobe N.	/RI	FL/BL	RU/LL	LL/DA	BL/RU	DA/FL	PA/	Jeng, Morwhea	/BL	LL/RU	FL/RI	RI/DA	RU/FL	DA/LL	PA/	
Cormack, Jennifer L.	/BL	FL/LL	PA/RU	RU/DA	LL/PA	DA/FL	RI/	Jilcott, Steven W.	/RI	LL/FL	PA/DA	DA/BL	FL/PA	BL/LL	RU/	
Counsell, Keith M.	/PA	LL/RI	FL/DA	DA/BL	RI/FL	BL/LL	RU/	Jing, Tai (TR)	/FL	RU/BL	RI/PA	PA/DA	BL/RI	DA/RU	LL/	
Coward, Michael H.	/RI	FL/RU	BL/LL	LL/PA	RU/BL	PA/FL	DA/	Jones, Walter C.	/FL	RU/DA	PA/RI	RI/LL	DA/PA	LL/RU	BL/	
Cullen, Schuyler A.	/PA	LL/RU	FL/BL	BL/DA	RU/FL	DA/LL	RI/	Joshi, Kriten J. (TR)	/LL	FL/BL	RI/RU	RU/DA	BL/RI	DA/FL	PA/	
Das, Chandra P.	/RI	BL/LL	DA/FL	FL/PA	LL/DA	PA/BL	RU/	Khan, Farid A.	/RU	RI/DA	BL/PA	PA/FL	DA/BL	FL/RI	LL/	
Dasgupta, Chitraleha	/FL	RI/PA	LL/BL	BL/DA	PA/LL	DA/RI	RU/	Khare, Rohit	/BL	FL/PA	LL/RU	RU/DA	PA/LL	DA/FL	RI/	
Davis, Gregory E.	/BL	DA/PA	RU/RI	RI/FL	PA/RU	FL/DA	LL/	Kim, Daniel L.	/RU	PA/DA	FL/RI	RI/BL	DA/FL	BL/PA	LL/	
Debar, Michael J.	/RI	BL/PA	LL/DA	DA/RU	PA/LL	RU/BL	FL/	Kim, Michael T.	/RU	RI/DA	BL/PA	PA/LL	DA/BL	LL/RI	FL/	
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Delfrate, Christina E.	/FL	DA/PA	RI/LL	LL/RU	PA/RI	RU/DA	BL/	Kim, Seong-Youn	/DA	FL/BL	PA/RU	RU/LL	BL/PA	LL/FL	RI/	
Dennis, Tasshi	/LL	RI/DA	PA/FL	FL/RU	DA/PA	RU/RI	BL/	Kim, Tae H.	/DA	LL/RU	RI/PA	PA/BL	RU/RI	BL/LL	FL/	
Dickert, Jeffrey M.	/RI	BL/RU	LL/PA	PA/DA	RU/LL	DA/BL	FL/	Kim, Yun H.	/LL	RI/PA	BL/FL	FL/RU	PA/BL	RU/RI	DA/	
Du puis, Christopher P.	/DA	LL/FL	BL/RU	RU/RI	FL/BL	RI/LL	PA/	Klitzke, Michael E.	/RU	BL/PA	FL/RI	RI/LL	PA/FL	LL/BL	DA/	
Duewer, Frederick W.	/FL	RI/PA	DA/LL	LL/RU	PA/DA	RU/RI	BL/	Kohout, Susy C.	/BL	PA/LL	FL/DA	DA/RI	LL/FL	RI/PA	RU/	
Dunphy, Daniel S.	/RU	BL/FL	RI/LL	LL/DA	FL/RI	DA/BL	PA/	Kornreich David A.	/FL	BL/DA	PA/RU	RU/RI	DA/PA	RI/BL	LL/	
Duvvuri, Vikas	/LL	RU/PA	FL/BL	BL/DA	PA/FL	DA/RU	RI/	Kumar, Jason P.	/RI	BL/LL	DA/RU	RU/FL	LL/DA	FL/BL	PA/	
								Kumar, Roshan M.	/LL	RI/DA	FL/BL	BL/RU	DA/FL	RU/RI	PA/	
Edeberg, Erik A.	/LL	FL/DA	PA/BL	BL/RI	DA/PA	RI/FL	RU/	Kustedjo, Karen	/FL	LL/PA	RU/BL	BL/RI	PA/RU	RI/LL	DA/	



# SPORTS

## Soccer

by Tigger

By the time the cross-country and water polo teams arrived for pre-season the varsity soccer team had already played three games, once in San Diego and twice in San Francisco. The one victory came at California Maritime where the Flaming Beavers defense, highlighted by an impressive goal line stand by Paco H rnero, held Maritime scoreless while Rob Whitely scored twice in the second half. Although the road trips were not as successful as had been hoped, the games gave the frosh a chance to see what type of game the Beavers

play. Freshmen Charles Sharman, Dean Harritos, and Todd Gotula quickly became important parts of the team. These three were the only frosh to arrive for the extended pre-season but as of the 16th reinforcements arrived to help fill in the holes that were quickly forming in the beaver line-up as the training room began to look like the soccer players' lounge. Knee and ankle injuries seemed to be contagious. It is doubtful that anyone will go the season without having to see Jaye the trainer at one point. So far the standouts among the late arrivals have been freshman Mike Bott and senior Kurt Stephens as both have played well despite missing the

several grueling 8 AM practices run under the iron fist of Jim Werner. If the beavers can get healthy, the freshmen should be able to help the team to a good season, one in which the Beavers give teams such as Oxy, Pomona, Whittier and the others a real fight in every game. The team is also expecting great things from Greg Dudey and Todd McLaughlin if they ever straighten up. This Saturday the Beavers are at home against Whittier at 10 a.m., so come out and watch as captains Jim Werner and Tigger (if Jaye lets me play) try to lead the Beavers to their first conference victory of the season.

## Ice Hockey

by Brooke P. Anderson

I was going to name this article "Kill People for Fun and Profit"—which is arguably fitting considering the sport—but, alas, while one could debate the meaning of the word "profit," there are no monetary kickbacks (that I can mention) to Caltech players. (although very skilled players who would like to discuss hypothetical aspects of the issue should contact George Yates at x4105 or Dale Laird at x4929 between the hours of 9 AM and 5 PM).

This year, Caltech will play hockey in Southern California's division I. Yes, that's right. Caltech will partake in the freewheeling, fun-loving competition that made division one famous. Just imagine. There you are, skating along, when you spot some opponent with the puck. As he is near the boards, this is the perfect time to try that new maneuver your friend and mentor Dwight Beerg taught you while the two of you had some spare time in prison. In you go, full speed ahead.

At contact, you hear the satisfying crunching noise a pelvis makes when it shatters, and, after a quick check to make sure it wasn't your pelvis, you find the maneuver a complete success and skate off in search of someone else who might have a puck. Ah, the liveliness of division one!

So don't miss all the fun and the keen competition. If you are a good hockey player, this is the team for you. If you aren't a good hockey player but are prone to violence and can withstand fall from eight story buildings (and like it), this is the team for you. Call George Yates or Dale Laird at the aforementioned numbers. Note: if you would like to get on George Yates' good side (as he is the coach), make sure to pronounce his name correctly as one would in his native tongue: HOR-hay YAH-tays.

Practices start September 29th, and the first game is October 16th. Caltech provides equipment (except for skates and sticks); and undergrads (subcreatures), grads (subhumans), faculty (no comment), and JPL employees (?) are all welcome to play. So "join the team and come in for the big win."\* Don't be shy—all of the players are friendly (except for the ones, like Jeff Hall and Jeff Moore, whose medication for the control fo cannibalistic urges makes them cross at times).

By the way, if you are a hockey fan, you should know that this is the year for the most exciting Caltech hockey ever. You'll see it all: fast action, booming slapshots, masterful stick handling, exciting passing, and various pieces of the human anatomy skittering at high speed across the ice. What more could you want (other than certain entertainments legally available only in Nevada)? Read the TECH to find out the dates and locations of games.

As a special promotional offer, name the source of the above (marked by "\*\*") and win one whole US penny. That's right—hard currency that can actually be used as legal tender (at least until the economy collapses—which might be soon, so act quickly). Void where prohibited, one entry per person, not available to people named "Brad Woods," other restrictions may apply.

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## Water Polo

by John White

I believe it was George Carlin who said that "Water Polo is not a sport because it's extremely cruel to the horses." Unfortunately, that's partially true. No, there are no horses involved. Yes, it's extremely cruel to the players. What did I do during the pre-season? Polo, eat, polo, sleep, polo, eat, polo, sleep...

I arrived thinking two things: (1) I'm here for my own good, (2) It's only a game. Two days and fourteen hours of practice later, I woke up screaming them. My teammates and I knew what the first few days would be like. We knew what we had to do to be ready (i.e., stay in shape). The problem was that none of us did.

By day three, people were seeing the trainer in droves (I think I strained my little toe on my left foot, Jaye. Do you think I should skip practice?).

Amazingly, on day four and after, people felt much better. Perhaps we were used to seven hours of workout. Well, no. Perhaps it was that Coach Dodd eased up a couple notches. Well, maybe.

All those practices were put to the test early this week when we took on Chapman College and Chaffey College on consecutive days. A good effort on Monday netted only a 5-15 loss, but the team hopes to recoup their defeat in a Wednesday away game. Sonny Arcilla, Tim Maddux, Mark Savellano, Alan Kulawik, and Chris Buchner started for Caltech, with generous support provided by seniors Doruk Engin, Tamaki Murakami, and Grant Sitton.

# Cross-Country Digest

by Ned Bowden

In case you missed the news on the front page of the *L.A. Times*, the Battling Beaver cross country team began another fun season on the sixteenth of this month. The returning head coach is Jim "100-mile-racer" O'Brien and the assistant coaches are Aaron Matzner and Carolyn Beck. With an influx of new runners and a good core of upperclassmen the team is looking forward to moving up in the standings this year.

The first week was full of trips and nice runs in this area. The team travelled to Zuma beach for a run and to lay out in the sun. The rolling trails in the mountains were the background to several morning practices. Finally, everyone had a chance to see more of Pasadena than the campus and Ralphs by running around the city streets.

On Saturday the team had its first meet up in Santa Barbara. A travelling squad went up there on Friday afternoon to scan the course and stay in a hotel next to the beach in Ventura. The team went on a short run on the course at Westmont college and got mistaken for the UCLA cross country squad (that's like comparing Pee Wee Herman to Arnold Schwarzenegger). Unfortunately, two runners (whose names will remain hidden) got lost on the way to the course and nearly went all the way to Oregon before turning around. The night was capped off by carbohydrate-loading at an Italian restaurant. Dan "Terminator" Flees used this setting to tell everyone that "Anything over six minute mile pace is junk mileage."

Good first meet performances were given by every runner on the rolling course at Westmont College. Despite an aching back, Dan led the way for the men with a time of 28:46. Ned "Fuzz-head" Bowden was edged out by the famous Caltech alumnus Chris Campo, but still finished second on the team. Jonah Michaud played the role of the team rabbit for the first two miles and then held on the rest of the way for a time of 31:21. In his first collegiate race, A. J. Lavin ran an impressive 31:44 and took the fourth position. Rounding out the top five was Ron Steiger, the first frosh to finish, with a time of 32:18. Matt Metz placed sixth with a time of 33:52. Matt could have run two minutes faster had he been allowed to wear his trademark hat and take off his shirt. Finishing up for the beaver crew was Delwyn Gilmore in 33:55. Ned feared Delwyn's speed so much that he kicked him hard several times while Delwyn slept Friday night in order to slow Delwyn down.

The women ran a shorter version of the course (they ran five kilometers to the men's eight kilometers). Even though they were missing several of their top runners from last year, they nearly beat Redlands. After running together for the first half mile, Carol Johns pulled away from her teammates who were caught breathless by the bursts of speed she showed going down the hills. Mighty Carol crossed the finish line in 24:49 with a grin on her face. Jessie Haldeman ran an inspired race hoping to collect on a bet made earlier in the week. She didn't collect on the bet, but ran a 26:19. Tristy Kibbey came back from a year lay off to finish third on the team with a 26:58. The "I Either Have Guts Or I'm Crazy" award goes to Aimee Smith. She spent four weeks in India prior to this season and didn't train during that time. After flying from India and not sleeping for twenty-four hours, she burst onto the scene for her first practice Tuesday afternoon. At the meet she ran a 27:20 out of pure determination. Finishing out the top five was Betsy "I need a slower roommate" Barton.

She cruised through the first meet in 28:50 with plans of breaking Carol's legs for running too fast.

The cross country team is still open to more runners. If you want to come out for a team and have fun or if you are a serious runner, we could use you. Running cross

country is a good way to get to know new people and escape from your studies for a while. It promises to be a fun season and everyone is looking forward to getting new blood on the team. Hope to see you out there! Go Minnesota Twins and Atlanta Braves!



Caltech's men got off to a fast start in Santa Barbara

# Women's Volleyball: A Fresh Perspective

by Amy Oldenburg

If you've seen certain girls who walk funny, don't kneepad, and generally smell bad, you've met some of the volleyball team. We practice four hours a day in morning and evening sessions, and we've really gained a lot from the experience besides accumulating an overwhelming load of dirty laundry. The freshmen on the team have a special bond because we're all going through this for the first time together. We've been discovering new and exciting places to eat together everyday, and have been cross-training in pool so that we can be pool goddesses in a few years. The new members are enjoying life to its fullest (*carpe diem!*) until - gag - classes begin.

There are a lot of freshmen playing this year, with a wide range of skills. This can make it difficult for everyone to improve simultaneously. But now that I can go up

and down stairs without gasping with pain, I can see that the practice is paying off, and by next year we'll be really excellent, with a core of experienced sophomores returning to the team. Finally, in order to avoid confusion, it should be noted that there are actually two women's volleyball teams. One, which I wrote about, is purely undergraduate. The other is for the best of the graduate and undergraduate players. Both teams generally practice together.

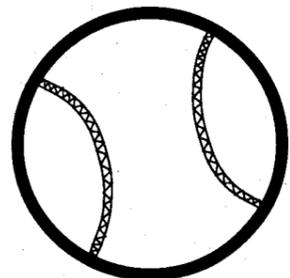
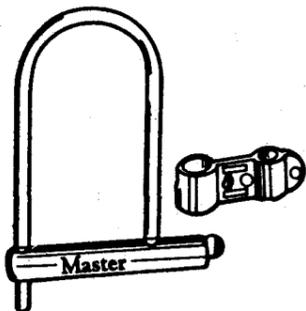


photo by Coach O'Brien

# LOCK YOUR BIKE!

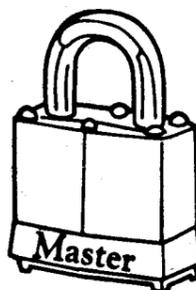
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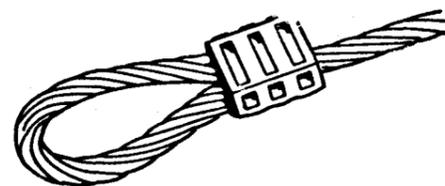
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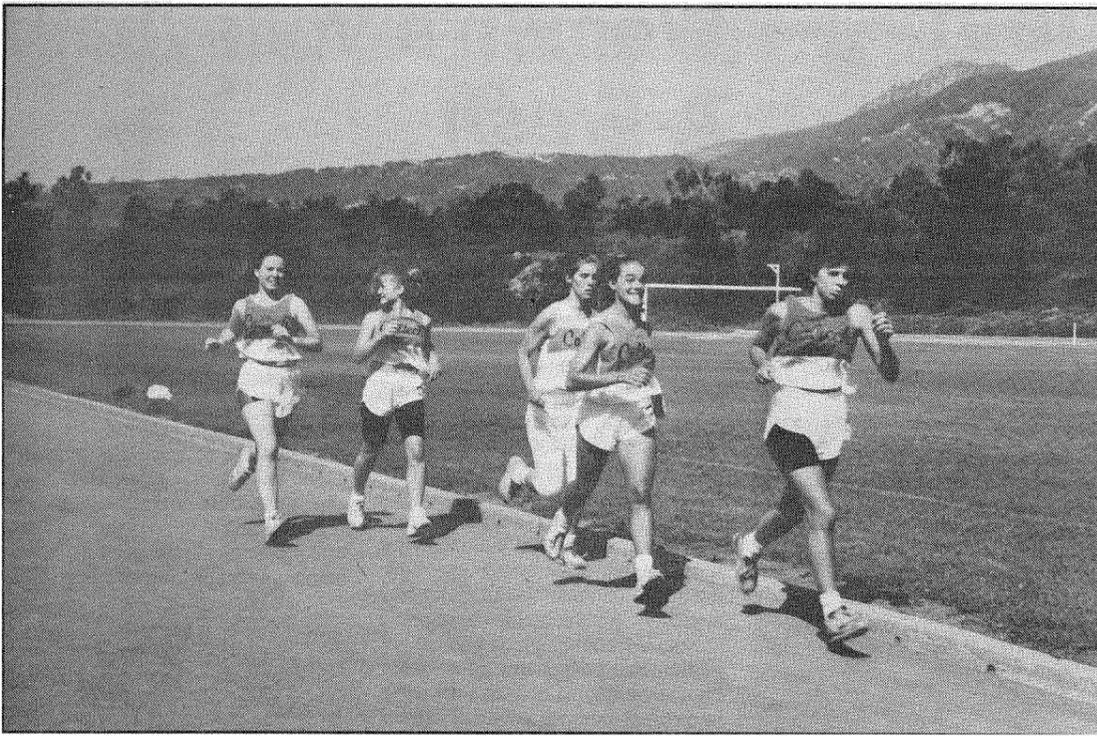
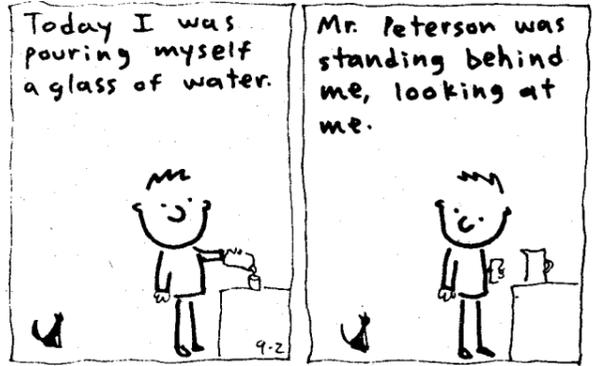


Photo by Jim O'Brien

Hey! Stop smiling and get back to winning that race! (Girls cross-country team races in Santa Barbara.)

Jim's Journal



by Jim



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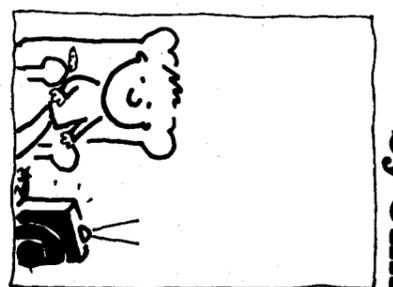
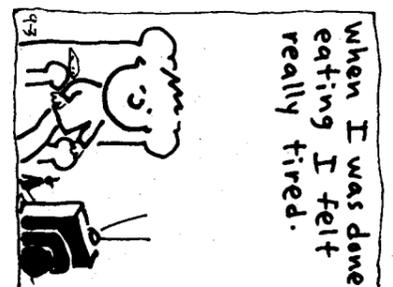
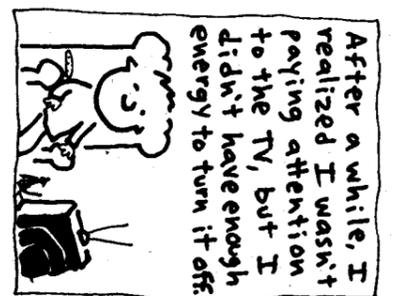
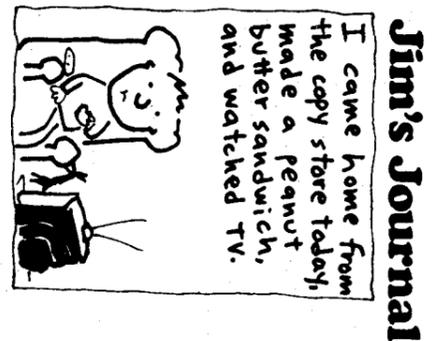
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Jim's Journal

by Jim

## New Mailboxes

New mailboxes located between Lloyd and Page have been installed. Mail will continue to be delivered to the undergraduate houses until October 31, 1991. After that it will only go to the new mailboxes.

Each mailbox will be assigned to one person, until he or she leaves Caltech. Some large packages will still be delivered to the Mail Room, and in that case, a notice will be left in the mailbox.

The mailboxes will be issued at registration, or the key can be picked up from the Mail Room at Keith Spalding between 8:30 and 4:30 Monday through Friday. Lost keys will cost \$35 to replace, and can be picked up at the Mail Room.

Outgoing mail must be stamped and placed in the box labeled *U.S. Mail*. In order to charge the postage to a personal account, it must be taken to the campus Mail Room. The mail in both the *U.S. Mail* box and the *Internal Mail* box will be picked up twice a day, Monday through Friday.

And remember—the new address will be:  
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Pasadena, CA 91126

Please report any problems with the mailboxes to the Manager of Mail Box Services, room 104 Keith Spalding.

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10¢ for each additional word.  
Send written ad with payment to 40-58. Deadline is 6 PM, Monday before issue. No charge for on-campus lost and found.

### Orientation Week Day Hike

Escape the horrors of Pasadena's smog and discover that outdoor activities are possible in the L.A. area when you come along on the Caltech Alpine Club's orientation week day hike! Saturday, Sept. 28, we'll be heading into the nearby San Gabriel Mountains (those are the ones that you can't see because of the smog) for a half day of moderate hiking. Everyone is welcome: students, families, new and old! You'll be able to set your own pace and go a distance that suits you: anywhere from 4 to 12 miles. The trail goes uphill to several points where there are great views, depending on the weather, of the entire L.A. basin. Wear sturdy shoes and bring one to two liters of water, some trail food, and a day pack to carry them in. No sign-up is required. Just meet at 8:00 AM (before it gets hot and the smog gets bad) in the southeast corner of the Catalina complex parking lot, near Wilson and San Pasqual. If you have a car, please bring it. For more information, contact Alpine Club president Andy Wells at x4165.

### Alpine Club Meeting

The Caltech Alpine Club will have its first meeting of the year on Wednesday, October 9 at 7:30 PM in Winnett Clubroom 1, above the bookstore. The featured speaker will be research fellow Peter Green, who will present a slide show entitled "Backpacking, Skiing, and Climbing in the Saint Elias Mountains: Travels Near the Top of North America." This year's trip schedule will also be discussed. Trips in the works include camping in Caltech's sequoia grove, hiking in the San Gabriel Mountains, mountain-bike rides, cross-country skiing, and backpacking in the Sierras. Everyone is invited to attend, bring their trip ideas with them, and prepare to meet other folks who also like to spend time in the out-of-doors! For more information, call Andy Wells at x4165 or send e-mail to andyw@design.

### Auditions

Chamber Music, Jazz Band, and Wind Ensemble auditions are being held Saturday, September 28 from 5:00 to 8:00 PM. The auditions are meant to be friendly and non-competitive, and are held in the SAC room 12. For more information, call Bill or Delores Bing (213) 684-8964 or x6198.

### Gay, Lesbian, Bi Discussion Group

Meetings are scheduled for the 1st and 3rd Tuesdays of each month from 7:30 to 9:30 PM in the Health Center. This confidential meeting is open to all members of the Caltech community. The first hour is devoted to discussion of a specific topic, and the remaining hour is open for general conversation and socializing. Refreshments are served. For information please call 356-8331.

### Join Music Ensembles

If you play an instrument, you can continue to enjoy making music at Caltech. Caltech's Wind Ensemble, Jazz Bands and Chamber Music Ensembles all have openings for new and returning students, and we encourage you to join. There is a place for you whether you are music major material, or a music lover of lesser expertise. Placement auditions are very informal, so don't hesitate to stop by because you may be a little rusty or not have a prepared piece. Auditions will be held on Saturday, September 28 from 5:00 to 8:00 PM in room 12 of the Student Activities Center. For further information please feel free to call the Wind Ensemble and Jazz Band director, Bill Bing or Chamber Music director Delores Bing at (213) 684-8964. They will be happy to speak to you.

### Pen Pal Wanted

A Kenya high school student would like to correspond with an American student. This student is particularly interested in California geography. If interested, please contact the Dean of Students Office, 102 Parsons-Gates.

### Winston Churchill Scholarships

Undergraduates interested in the Winston Churchill Foundation Scholarships are invited to meet the director of the foundation, Mr. Harold Epstein on Thursday, October 3 at 1:30 pm in the Deans' Office, 102 Parsons-Gates.

The Churchill scholarships are for study at Churchill College at Cambridge University, England. Churchill is predominantly a science college. The awards are for one year. The awards are for U.S. citizens only.

### Watson Fellowships

The Watson Foundation provides post-graduation fellowships of \$13,000 (\$18,000 for married students) for a year of independent study and travel. Fellowships are not intended to support formal study at a foreign university. Instead, they encourage an informal break in the normal sequence of undergraduate/post-graduate education. Proposal drafts from one to three pages in length are due in the Deans' office on Friday, October 11, 1991. Keep in mind that successful proposals generally have a single topic of study or investigation that reflects a student's long-standing interest in that area. Seniors should stop by the Dean's Office if they have any questions about this program.

Announcements for *What Goes On* may be submitted 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. Announcements should be 75 words or less. Indicate the date(s) the announcement is to run. Announcements for the current issue must be received by 5 pm Tuesday. 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.

### Course Offerings

Professor Pigman is teaching a course on Freud fall term. Hum 119 will be a study of the development of Freud's psychoanalytic theories from the 1890's until his death in 1939, paying particular attention to his theories of dreams, sexuality, structure of the mind, and psychotherapy. There will be an organizational meeting Monday, September 30 at 3:00 pm.

If you are interested in taking L 106a, Elementary Japanese, and you are not a sophomore, see Dr. Hirata in 331a Baxter, or come to the first class meeting Monday, September 30, at 2:00 pm.

Professor Franklin will offer a special topics course on the philosophy of experiment this term. The course will combine recent work on philosophy of experiment with case studies from the history of 20th-century physics. See the complete course description in the Registrar's office. Meeting times are Tuesday/Thursday 9-10:30 am.

Ec 138, Introduction to Welfare Economics, will be taught by Professor Chander this term, Monday/Wednesday 10:30-12:00. Look for it in the Registrar's office.

### Save the Environment, Make Money

There is a work/study position available for the campus recycling program. Anyone interested should contact Chris Sundberg at the Caltech Y for information by Oct. 10, 1991. He is on the 2nd floor of Winnett Center and may be reached at x6163.

### 1991-92 H&SS Course Schedules

To help you plan your course schedules for the coming year, preliminary listings of humanities and social science courses to be offered in 1991-92 may be obtained in 228 Baxter.

### Save the Environment, Make Money

There is a work/study position available for the campus recycling program. Anyone interested should contact Chris Sundberg at the Caltech Y for information by Oct. 10, 1991. He is on the 2nd floor of Winnett Center and may be reached at x6163.

### FOCAL Book Drive

This year's Annual Book Sale is scheduled for Friday, October 11 and the members of the Friends of Caltech Libraries are preparing now by collecting new and used, hardback and paperback books from members of the Caltech/JPL community.

Please bring your book donations to the first floor in Millikan Library. Donations of books are needed in all subject areas - fiction, history, science, travel, etc.

Mark your calendar to attend the Book Sale on Friday, October 11 from 8:30 am to 2:30 pm in Dabney Lounge to replace your "recycled" books.

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# SPORTS

## Safe Sex Bowl Canceled

by: Steve Harkness, Dave Ross, and Chon "Wonderwand" Torres

A surprise move by the University of Southern California Trojans has shortened the year for the Caltech Beavers Football Team. Billed as the first "Safe Sex Bowl" the competition was to take place this Saturday at the Superdome in New Orleans. A spokesman for the Trojans gave the flaccid excuse that they "just couldn't come." The coaching staff has speculated that the Trojans were unprepared for the Beavers and so shied away for an easier opponent - say Florida State or perhaps the Huskies. Team

members believe that the Trojans became unraveled at the sight of the Battlin' Beavers impressive personnel and opted to pull out of the game early.

As for the remaining year, Caltech has lined up some fierce opponents and will stir up old rivalries. Opening day is this Sunday at 1:00 p.m. against the Norwalk Outlaws at our very own Beaver Stadium. Although it's only a scrimmage, crowd turnout is expected to be very heavy. Come early, the pro scouts and media tend to grab all the good seats.

The preseason has brought along a good turnout in the fresh meat department. Incoming frosh Alan

Blaine, John Baker, and Chris Dupuis, known collectively as "The butcher, the baker, and the candlestickmaker," promise to make this a year of brutal hits. Jeff "The Dick" Dickert and Brian "Brewmeister" Brewington achieved that beaver-tooth razor sharpness and will likely have the best nicknames this season. First year lineman Jesse McReynolds will be showing off his deadly "Reynolds Wrap" to those who dare to challenge the Beaver dominated trenches.

The Beavers return several undergrad starters from last year. On the offensive line are tackles Chon "Ouch, my finger's stuck"

Torres, Steve "Why go to the barber when I have these fine clippers?" Harkness, and Joe "I can't believe it's so..." Long. "Jolting" Joe is currently on injured reserve after losing a fight with a curtain rod. Also back is a fine receiving force of Rob "Communist Soccer Fag" Whiteley, Ari "bari bo bari banana fana fo fari" Pine, and Dave "I'm a senior and will graduate - yeah right" Ross. Known around the camp as "Those Three Guys," they'll be gearing up for some great grabs. Also receiving is Paul San Clemente a.k.a. "That Extra Guy Next To Those Three Guys."

The team also welcomes back some lost sheep to the flock. Returning from a year in limbo (read Oregon) is defensive (although offensive by aroma) tackle "Drop Dead" Fred Sloneker. Also back from leave is wide receiver Brian "Just call me Archie" Duchovnay. In addition we are graced with the return of the child prodigy Carl "Sagan" Feierabend(over) fresh from his Midwest tour. It is also rumored that the 6'-6" 375 pound fullback Jon "Purple Grimace" Kawamura may not opt to go pro but join the Beaver attack. If so the grinning evil thick purple menace is sure to be an earthshattering force to be reckoned with.

Staff, faculty, and grads round out the beaver lineup this season. Sure to be delivering some punishment on the d-line are Sydney "Bubba Paris" Colston, Larry "Spin" Campbell, Greg Thomas, and Humberto "I love my funky do" Aguercia. At inside linebacker is gridiron veteran Jimmy "So very much..." Moore and on the outside are returners Rene Stone and Dan Vaughn and newcomer Steve "The Scoundrel" Scandore. Stiffing our adversaries with outstanding secondary play will be Don "Catch that f\*\*\*ing ball" Thomas, Robert Curiel, Steve "Magic" Majewski, Robert "I can see for miles and..." Miles, and Derek Perdue. The offensive trenches star Sam "Sammy"

Gonzales at center, Raul "Ice, ice baby" Turcios (or Cool for short) and Jess Miller "Genuine Draft" as guards, and Chris Carrell at tackle. Daren "Soft Hands" Casey returns to his position at tight end. At Quarterback the beavers return James "Pic" Picinisco along with a fearsome foursome of upcoming talent, Damon De La Rosa, Robert "Bob" Terbrueggen, Anthony Woods, and Derrick Russell. It is uncertain whether or not Davy "Golden Boy" Stone will return to QB the beavers this year, but hopes are high. The rushing offense has the talented Vincent "Wincent" Riley and new guys Federico "Fed. Ex." Brown and Phillip "Screwdriver" Rittmuller. Filling out the beaverdam defense are Juan Salomon, Web Ewell, Doug Gardner, Ronald Holt, Ken Lau, and Jim Panetta.

Keeping the beavers in shape to play is the job of the "Mistress of the Training Room" Jaye "Elvira" Tashima and her cohort Craig.

As usual, the Beaver playbook is bound to be full of surprises with Head Coach Wendell "One Eyed" Jack at the wheel. His infallible strategy will be shored up with the cunning genius of Offensive Coordinator Ev "BJ" Bjornsen, and the muleheaded stubbornness of defensive coaches Dave "Bubba" Brinza and Gene "Mean Machine" Renfro. Switching from sure handed receiver to coaching the (ahem) "skilled" positions is Doug "Yuletides" Yule. Known to players as "Cruel" Yule due to his vicious training drills (from a lineman's perspective), our newest coach's nastiness is countered only by the defensive coaches' entertaining, tasteful comic exchanges. With this perfect balance in the current leadership the team appears destined for glory.

So sports fans, get your tickets now 'cuz this season looks to be exciting enough to stimulate even the most calloused beaver. Beaver Fever - Snatch It!

## Weekly Sports Calendar

Day/Date	Time	Sport	Opponent	Location
Sat., 9/28	9:00 am	Cross Country	Caltech Invitational	Lower Arroyo Park
Sat., 9/28	10:00 am	Soccer	Whittier	Caltech
Sun., 9/29	1:00 pm	Football	Norwalk Outlaws	Caltech
Wed., 10/2	4:00 pm	Soccer	Pomona-Pitzer	Pomona-Pitzer
Wed., 10/2	7:30 pm	Volleyball (W)	Pacific Christian	Caltech
Sat., 10/5	2:00 pm	Volleyball (W)	Christ Heritage	Christ Heritage
Sat., 10/5	10:00 am	Soccer	La Verne	Caltech
Sat., 10/5	TBA	Water Polo	Caltech Classic	Caltech
Sat., 10/5	TBA	Cross Country	Biola Invitational	La Mirada Park
Sun., 10/6	1:00 pm	Football	Antelope Valley Crusaders	Antelope Valley High School
Sun., 10/6	TBA	Water Polo	Caltech Classic	Caltech

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