

# Fire in Guggenheim

by Roy Lee

On Wednesday afternoon, an electrical fire broke out in a sub-basement of the Daniel Guggenheim Graduate School of Aeronautics.

It was ascertained that this fire was the result of an electrical short in one of the generators located in the sub-basement. Due to the nature of the fire, fire fighters could not quench the fire with water. Also, chemicals inside the building which reacted violently with water prevented its use.

Between two o'clock in the afternoon, Caltech personnel noticed smoke within Guggenheim. Caltech security was contacted. Several security officers came to the building with a mechanic, who decided that the smoke was caused by a smoking ballast. At 2:11 P.M., fire alarms went off in Guggenheim and Firestone. Consequently, Caltech personnel in both buildings evacuated themselves.

The Pasadena fire department was contacted, and a squadron of four fire engines, two paramedic vans, and a helicopter arrived at the

scene. To facilitate the operation, firemen blocaded California Blvd. from the Caltech tennis courts to Hill Ave. Traffic was redirected so as to stay clear of the squadron's efforts.

With the two buildings evacuated, fire officials were able to shut off power to the generator location with some trouble, which in effect put out the fire. Fire officials were able to deduce the general location of the specific generator by the presence of smoke in the area.

Fire officials then proceeded to evacuate smoke from the sub-basement, and when there were no further signs of smoke, it was determined that the electrical fire had been put out.

No major injuries or damages were reported, and personnel were promptly allowed to enter Guggenheim and Firestone at 4:15 in the afternoon, almost two hours after the fire had started. The general area near the fire remained without power, and circuits would be tested to determine the precise location and reason for the fire, Caltech security added.



Not a false fire alarm.

# Controversy Over Diversity

by Lei Chen and Ali Motazavi

Amid great popular interest, last Friday's Community Conference in Winnett Lounge tried to address the controversial issues of academic and social diversities at Caltech. The panelists as well as the audience exchanged diverging views in an often heated discussion on the possible means of achieving diversity among undergraduates, graduates, and faculty members.

Many of the recommendations for changing the current formula of Caltech education and research involved varying degrees of reforms in both the admission process and the current undergrad-grad-faculty relations.

One way of achieving diversity in the Institute is through the admission of a more diversified student body. A major part of the discussion focused on the pros and cons of such methods. The controversy centered on whether the costs of obtaining diversity can justify the supposed benefits. For instance, many questions were raised against the admission process of the current freshman class.

Some students and faculty members felt that the admission staff went out of its way to admit a more diverse student body at the expense of the Institute's over-all academic standards. However,

## Trophy Stolen

If you stole the Discobolus trophy. Yes, you know who you are, Jack Prater says "You better return the trophy or else (the rest was edited due to space constraints, eds.)"

Dan Langdale, the director of undergraduate admissions, summed up the views of the rest of the audience when he asserted that the female and minority students who were admitted on lower academic criteria were just as capable of performing well as the rest of the class (i.e. White and Asian males). In other words, grades and test scores should not be the only criteria for judging academic excellence.

Still, many present felt that same should be true for the rest of the student body; such double standards for women and minority and the rest will endanger the identity of Caltech. To those, Langdale as-continued on page 7

# ASCIT Election Results

<b>ASCIT President</b>	98	<b>ASCIT Vice-President</b>		<b>Frosh Director at Large</b>	
Gary Eastvedt	153	Kevin Luster	(93)	Danny Chu	143
David Geraghty	54	Maneesh Sahani	(70)	Jason Macleod	223
No	42	Craig Volden	(92)	No	42
Angus		No	(56)	Other	8
		<b>Runoff results:</b>		<b>Tech Editors:</b>	
<b>ASCIT Secretary</b>		Kevin Luster	113	Dan "Fru" Frumin, Seongwon	
Deepinder Brar	(105)	Craig Volden	134	"Wan" Hwang, Shane Sauby	95
Jason Curtis	(97)	<b>Director of Academic Affairs</b>		Lindee Goh, Scott Kister, Emily	
Kitt Hodsdon	(66)	Sonny Arcilla	177	Wen	220
Mark Lyttle	(153)	Scott Kister	278	Mike Lazzaro, Elaine Lindelef,	
No	(32)	No	30	Seth Noble, Maneesh Sahani	117
Other	(3)			No	17
<b>Runoff results:</b>		<b>Director for Social Activities</b>		Other	2
Deepinder Brar	99/80	Gary Eastvedt	(202)	<b>Activities Chairmen</b>	
Jason Curtis	105/71	Aimée Smith	(203)	Joe Andrieu, et al	271
Mark Lyttle	163/140	No	(34)	No	194
		Other	(4)	Other	12
<b>ASCIT Treasurer</b>		<b>Runoff results:</b>		<b>BOC Secretary</b>	
Pam Katz Rosten	348	Gary Eastvedt	175	Michael Nassir	330
No	61	Aimée Smith	200	No	60
Other	14			Other	8
<b>IHC Chairman</b>		<b>Upperclass Director at Large</b>		<b>Athletic Manager</b>	
Sam Dinkin	99	Bappa Mukherji	173	Steve Harkness	192
Jack L. Prater	266	Bill Swanson	215	Miguel McDonald	102
Anna Yeakley	86	No	38		
No	17	Other	18		
Other	3				

## CRIME AND INCIDENT BEAT

- CRIME TIP:** Spend a little bit of money to protect a big investment: use Kryptonite-type locks to secure your bike. Chains and cables are not impervious.
- 2/13 A victim who had locked his bike with a lock and cable to the rack at Braun House returned later to find that the bike had been stolen.
  - 2/15 A Lloyd house resident had his bike stolen from that house's bicycle rack.
  - 2/15 A Sloan Lab staff member reported that two textbooks had been stolen between November 15 and 18 1989.
  - 2/16 A locked bicycle was stolen from a Bechtel Mall bike rack.
  - 2/17 At 2:45 a.m. a fire alarm was set off in the south houses, believed to have been triggered by rain. Later, at 9:37 a.m., 9:41 a.m., and 1:40 p.m. fire alarms were triggered. A service mechanic working on the problem believes that water set off the alarms.
  - 2/17 A fire alarm originating from a Ruddock house smoke detector was triggered at 2:54 p.m. Investigation by officials revealed a likely source for the problem: an undergraduate set off the alarm when he burnt his pop tart. Some officials remain skeptical.
  - 2/18 A resident of Lloyd house reported that his bike was stolen some time during the previous two days. The lock and cable that had secured the bike had been cut and left at the scene.
  - 2/18 Solicitors were observed by residents in the Catalina complex. Security found a pair of boys, aged 14 years, selling candy for a youth group. They were escorted off campus.
  - 2/19 A suspicious person attempted to wave down an undergraduate driving on San Pasqual at 12:05 a.m. A search of the east end of campus by security proved fruitless.
  - 2/19 At 3:30 p.m. a suspect was observed stealing a bicycle from the north side of Lauritsen. The bike's owner and several faculty and students apprehended the suspect. The suspect told security that he had been given bolt cutters and been directed by a man to the Caltech campus to steal a bike; the man would trade the stolen bikes for cocaine.
  - 2/19 A bike locked with a chain was reported stolen from the area between Jorgensen and Steele Labs. The chain and lock were not at the scene.
  - 2/19 A Mosher-Jorgensen resident reported that his bike, which had been locked with a chain, had been stolen within the previous three days. The chain and lock were left on the ground.
  - 2/19 A chain-locked bike was stolen from the Mosher-Jorgensen bike rack.
  - 2/19 Both wheels were stolen from a bike locked at Lloyd house.
  - 2/21 At 4:55 p.m. all security units responded to a suspicious person call from Noyes Lab. The two suspects found by security said that they were students from the Art Center College in Pasadena and wanted to take photographs. Security informed the students that they were trespassing and would be arrested if found again on campus.
- The security office would like to remind students, faculty and staff that only through cooperation can a safe Caltech community be maintained. The security office especially appreciated the help it received in the 2/19 incident at Lauritsen. According to the Hal Ginder of security, "The students are great—when they see a bad guy, they jump right on him."
- Total dollar value stolen this week: \$1990.

INSIDE

Hockey Bruises UCLA

page 8

Camelot Opens Today

page 3

Bylaw Changes

page 7

# Letters

## Jack Offensive?

To the Editors:  
I was offended and perturbed by the photograph of a man with his hand in his crotch in the February 16th issue of *the California Tech*. What purpose does such an image serve? To me, such a gesture is confrontational, often aggressive, and usually an attempt by a man to assert power over a woman in an unacceptable way. Such a photo is not newsworthy and only informational in that it reflects insensitivity and thoughtlessness on the part of the editors. What is this paper trying to say, and how are you accomplishing it?  
Sincerely,  
—Annmarie Eldering  
Graduate Student

## Date Rape

To the Editors:  
I used to think date rape was a joke. I read the letter in last week's *Tech* and laughed. My friends laughed with me. We all thought it was ridiculous that someone could commit a sexual act unwillingly without any sort of physical resistance. I laughed all the way to Saturday night. That's when my horrible experience occurred after the FROSH sponsored party in Ruddock. I had come back from the party a little early and had gone to bed. The party was pretty good, but I didn't want to stick around to watch people get drunk. Around 2 am, a member of the opposite sex entered my room while I was asleep and persisted to get in bed with me. The shocking aspect of this is that I'm a guy. Most people may think that date rape can occur only to women, but I beg to differ! This girl cornered me in my sky bed so that I couldn't escape. She put a move on me, and I couldn't resist because I was 6 feet off the ground and not wearing anything under my covers. I realize this may seem a little absurd to most guys reading this letter as well as to most girls. But it is only an isolated occurrence of a very serious problem. I had known this girl as a very occasional acquaintance before this incident. She was obviously attracted to me, though I was not attracted to her. She is not a member of the Caltech community, but I fear her future visits to the campus will cause problems. Please do

not think this letter is a joke, I am not making fun of the very serious problem of date rape. I am only pleading that the male members of the Caltech community be aware of the possibility of being taken advantage of by the females of the Caltech community and abroad. This kind of incident can occur more often than the statistics will admit! Sometimes, just saying no is not enough!  
—Page House Purity Symbol

## Not Another Quiz

To the Editors:  
It's quiz time! I'd like your readers to complete the following quiz and send it to me.  
Please refer to:  
A. Pictures from pages 1 and 3 and the Fleming contribution to "The Inside World" from *The California Tech* of February 16th, and

B. The following excerpt from the *New York Times* of that same date, reprinted here for the benefit of the quiz-takers:

*"Time was no self-respecting New Yorker would let a car cut him off without kicking its tires, or suffer in silence while some cretin in the next row yakked his way through the second act. In those days, New Yorkers were New Yorkers, and assertiveness was the proud mark of a native.*

*But amid the sense that the city is growing ever more menacing, and unpredictably so, those days of heady confrontation have given way to countless more or less humiliating abdications.*

*Sociologists, statistics and interviews with New Yorkers say this willingness to simply avoid confrontation stems from daily confrontations with the often-frightening evidence of the city's social problems, as well as from news reports of crimes that seem ever more random."*

### The Quiz

If "A" is an expression of the behavior of some of the most intelligent citizens in our culture, and if "B" is a representation of some of the behavior of our culture's citizens at large, then (circle your answers):

1) Which do you find more surprising? A B

2) Are you concerned about either?  
Yes No

3) If "Yes," which concerns you most? A B

4) Do you see a connection between "A" and "B"?  
Yes No

5) Do you see a connection between "A" and the Caltech Honor Code?  
Yes No

6) Where would you rather live?  
New York—Where you expect brutish behavior  
Caltech—Where there is an Honor Code

Mail to: Dan Langdale  
Director of Admissions, 1-63

### Extra Credit Question

7) Which word do you suppose best describes the Caltech Admissions Director after viewing "A" and reading the optimistic anticipation expressed by 17-year-old applicants who have read about Caltech's Honor System (often something like this: "Equally important is that students abide by the Honor System, and are people who respect and trust one another.")

- a) Concerned
- b) Nervous
- c) Depressed
- d) All of the above

### Student Fun Fund.

To promote groups of students getting involved in off-campus activities, the Caltech Y has set up a fund, which gives \$50 per group of at least eight students for a pre-approved activity. Limit one usage per student per term. See Brian Redin in the Y Office for pre-approval. Contact the Y for more details.

**Decompression.** Decompression is coming! March 10 and 11 from 8:00 to midnight. Volunteers can stop by the Y to sign up for work and Decompression T-shirts.

**Free Lunch and Lecture.** How Do You Get a Cockroach to Take the Pill? by Carl Djerassi. This intriguing lecture by Djerassi, a Stanford chemist and author of *Cantor's Dilemma*, will be held February 27 from 11:30 to 1:30 in Winnett Lounge. The first 30 people to sign up at the Caltech Y will be able to attend.

**Spring Break.** Sun and sand or snow and skiing? The Y is sponsoring two spring break trips. The three-day trip to Palm Springs will cost just fifty dollars for students. There will also be a trip to Mammoth. Sign-ups are in the Y, as is more information.

**Student-Faculty Conference.** The Honor System will be the focus of the Conference to be held March 2 from noon until about 2:00 in Winnett Lounge. Come by and share your views, in our new and improved conference format.

**Free Lunch and Lecture.** How Do You Get a Cockroach to Take the Pill? by Carl Djerassi. This intriguing lecture by Djerassi, a Stanford chemist and author of *Cantor's Dilemma*, will be held February 27 from 11:30 to 1:30 in Winnett Lounge. The first 30 people to sign up at the Caltech Y will be able to attend.

## Choose Your Future

By Charlotte Manly

Choosing an option of study at Caltech is a rather haphazard process. Some students base their choices on frosh classes and lab courses; others choose a field because they've worked in it and liked it; a few ask upperclassmen or professors about their research and classes.

Once again, SWE (Society of Women Engineers), the Career Development Center, and the Dean's Office have combined to present an open panel discussion which will explore, in a balanced manner, the possibilities open to freshman.

Because of size considerations, the options have been divided into two sections: pure science, and engineering and applied science. Undergrads will represent each

option. Why undergrads? They have the inside view, having spent two or three years taking classes in that option, and they still like it.

In addition, CDC will have a representative to answer questions about what to expect in the real world. CDC has also compiled information on things such as how many students major in what, where they go after graduation, how much they earn, and what career tracks they follow. It may come as a surprise to some to discover that these statistics are not dependent on individual options.

All freshmen and other interested people are encouraged to attend either or both parts. The panel will be held in Winnett Lounge on Wednesday, February 28th, at 7:30pm. It will open with the engineering section and continue with the science section at about 8:45.

## THE CALIFORNIA TECH

Volume XCI • Number 18  
February 23, 1990

### EDITORS

Scott Kister  
Lindee Goh  
Emily Wen

### CRIME BEAT EDITOR

Brian Kurkoski

### WRITERS

Brooke Anderson  
Golda Bernstein  
Lei Chen  
Tim Gerk  
Roy Lee  
Ali Mortazavi  
Misha Samoilov  
Gene Victor  
Duke Whang

### PRODUCTION

Nick Smith

### BUSINESS MANAGER

Sonny Arcilla

### OFFICE MANAGER

Gavin Claypool

### CIRCULATION

Peyjen Wu  
Ayman Awad

### THE CALIFORNIA TECH

40-58 SAC  
California Institute of Technology  
Pasadena, California 91125

(818) 356-6154

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

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

Turn in copy (preferably in WordStar format on an IBM-compatible floppy disk) to the *Tech* mailbox outside SAC room 40. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 P.M.

Subscription requests should be directed to the office manager. Subscriptions are \$3.50 per term, \$9 for one year, \$17 for two years, \$24 for three years, and \$30 for four years. Life subscriptions are available for \$125.

Printed by News-Type Service, Glendale.

ISSN 0008-1582

News

**MEXICAN CUISINE**  
**10% DISCOUNT WITH CALTECH ID**  
Open 11 a.m.-10 p.m. Sun.-Thurs.  
11 a.m.-11 p.m. Fri.-Sat.  
**1076 E. Colorado Blvd.**  
On the corner of Wilson & Colorado  
(818) 577-1307 Orders to Go

**LORENZO'S BARBER SHOP**  
*Unisex Hairstyling*  
*Ask for Your Caltech Student Discount!*  
Regular Cut (men) \$ 9<sup>00</sup> **\$1 off**  
Regular Cut (women) \$ 9<sup>00</sup> **\$1 off**  
Style Cut \$12<sup>00</sup> **\$2 off**  
Permanent Wave \$40<sup>00</sup> **\$5 off**  
9 a.m.-6 p.m., Monday-Saturday  
14 N. Mentor Avenue, Pasadena (818) 795-5443  
No Appointment Needed

Friday Night Movie  
MEL GIBSON · MICHELLE PFEIFFER · KURT RUSSELL  
**TEQUILA SUNRISE**  
With: *Guided Muscle* (a Road Runner short!)  
7:30 & 10:00 p.m., Feb. 23 \$1 for ASCIT members  
Baxter Lecture Hall \$1.50 for others  
Next Week: *When Harry Met Sally*

**Solutions** for Computer Furniture  
**YES!**  
**\$199**  
REG. \$225  
**Q SALES**  
2341 E. Foothill Blvd.  
Pasadena, California  
**818 449 1590**  
with this ad

# Camelot Opens Today

by Tim Gerk

The Caltech production of the musical *Camelot* opens today, and runs for six performances: February 23-25 and March 2-4, Friday and Saturday at 8 pm and Sunday at 2 pm. Tickets are available at the Office of Public Events on South Michigan, north of Beckman Auditorium.

The Caltech Musical is an annual event open for participation to all members of the Caltech/JPL community. Faculty, as well as staff and students, find the experience in theater very rewarding. Included in the cast this year are Professor David Goodstein as Merlin, and Dean of Students Christopher Brennan, as Sir Dinadan.

Dr. Brennan's experience with the musical goes back about sixteen years, when he was part of the musical *Guys and Dolls*. More recently he participated in *Brigadoon*. Professor Goodstein is a relative newcomer—in the past he was an extra in *How to Succeed in Business* and is now taking his first speaking part.

Chris Brennan finds many

aspects of the musical quite rewarding. He claims to enjoy interacting with students and others on a less formal basis than usual. It was also in his first musical that he met the late Professor Richard Feynman, who would play the bongos in that production. From Feynman, whose interest in theater as a new experience made him "ask questions about things I had never thought of before," according to Brennan, "gave me a new insight," he said.

David Goodstein does the musical "for fun", as a respite from normal life. He says that he enjoys working with an excellent director (Shirley Marneus), seeing everyone working so hard for the show, and that he is impressed by a theatrical program of such quality at Caltech.

From this show, Dean Brennan most appreciates the enrichment and perspectives that he has gained. He feels that what is gotten by participation is very precious. Professor Goodstein expects the coming performances to be of high quality, since, he says, "I don't sing, I don't dance, and I vanish early in the first act."

# Alaoglu Lecture

by Duke Whang and Misha Samoilov

Andrew Odlyzko from Bell Labs gave the Alaoglu Lecture in 22 Parson Gates. His talk, entitled "Primes, Quantum Chaos, and Computers", centered on the Riemann Zeta Function and its connections with physics, supercomputers, and, of course, mathematics.

He gave the basic history of mathematical research on the Zeta Function. Mengoli, in 1650, noted that zeta(1) diverged. Euler, in 1735, gave the value of zeta(2) and later discovered the connection between the infinite sum of integers of the zeta function and a infinite product depending only on primes. Riemann extended consideration of the zeta function from the positive integers to the entire complex plane.

Riemann hypothesized that all of the zeros of the zeta function lie on the line  $1/2 + bi$ . The Riemann Hypothesis is equivalent to a statement concerning the prime number theorem—that the number of primes less than  $x$  "goes like" the log of  $x$ . The Riemann Hypothesis puts an upper "bound" on the error term (actually its form) between the two expressions.

Mr. Odlyzko then gave the history of the Hypothesis in connection with computers. Alan Turing, in the 1930s, was paid the equivalent of \$1000-2000 to build an analog machine to help calculate the first 1000 zeros of the zeta func-

tion. More recently, van de Lune calculated the first 1.5 billion zeros using 1500 hours of computer time. No counterexample to the RH was found.

Mr. Odlyzko gave several examples of algorithms used to calculate zeros. He noted, however, that such computational methods were not conclusive. He gave two conjectures, whose counterexamples were less than 10 to the 371 and 10 to the 10 to the 70 respectively.

He gave one argument supporting the RH, and one argument against it. He then gave a final argument supporting it. He introduced the Hilbert-Polyai Hypothesis, which related zeros of the form  $p=1/2 + bi$  and a positive linear operator (on an unspecified space) all of whose eigenvalues are of the form  $1/2 + b$ . He introduced the concept of infinite random matrices with the new "science" of quantum chaos. Quantum chaos is the study of that vague area of physics between the "pseudo-chaotic" behavior of Newtonian



photo by Matt Kidd

I want you to watch Camelot says Merlin, aka David Goodstein

# Boys Republic

by Golda Bernstein

"Two phys assignments, a math midterm, and a hum paper to write. Boy, do I have problems!" Well, yes, you do quite literally have 'problems' - but compared to some people our age & younger, you may be pretty well off. True, the social life here isn't that hot, but at least you don't have to deal with gang violence; you may drink, but you probably don't know anybody taking crack; and although sex may be nonexistent, you are probably not being sexually abused by your parents.

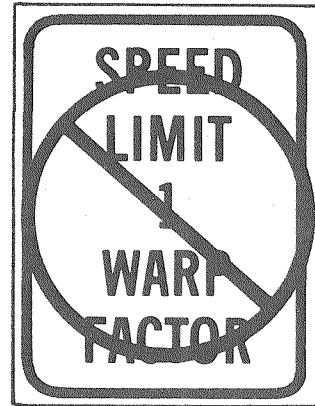
Gangs, drugs, broken homes and parental abuse - these are some of the main problems facing inner-city youth. Kids growing up around this sort of thing then become part of the problem... many become 'juvenile delinquents' and are removed from their homes. Some go to foster homes, some go to prisons, and some in between go to group homes.

These are homes for kids that are too troubled & troublesome to be placed in a stable foster home, but have not yet committed enough crimes to be locked up.

Boys' Republic is one of these homes. The director, Max Scott, is coming to Caltech tomorrow to talk about how they deal with the kids, how they help them break the destructive cycle of street life. The talk will be in Winnetta Student Center at 4 P.M., Saturday Feb. 24. Please come; you might learn something.

mechanics (for example, the 3-body problem) and quantum mechanics. Physicists have studied eigenvalue problems of infinite random matrices in connection with this field. Also, he showed 2 graphs, one assuming that the primes were "distributed" like some physical quantities ("geodesics"?), and the other produced by assuming the RH. The two graphs were virtually identical.

At the end he connected the RH with the GRH (dealing with primes) and the GRH with several "open problems" in number theory. In summary, he connected chaos to quantum chaos to infinite matrices to the HPH to RH to GRH to Goldbach's Conjecture and the famous "Twin Prime" problem.



# EINSTEIN and PTOLEMY MADE THE SAME MISTAKE

A heliocentric solar system with elliptical orbits, solved Ptolemy's problems. The speed of light as a perceptive maximum in quantum time solves Einstein's problems with relativity.

- ★ The observer should not be used as the reference point while passing through time or space.
- ★ There is no better reason to suppose space and time are continuous than there is to suppose mass and energy are continuous.
- ★ Feynman diagrams depicting antimatter show it is the rate and direction of the observer through time which determines the perceived rate and direction of the observed.
- ★ Higher than expected energies can be explained by recognizing greater than expected rates of passage through time.
- ★ The rate at which a line is formed on Feynman diagrams is important as well as the slope of the line.
- ★ Smallest and largest possible objects in the universe are associated with longest and shortest possible wavelengths.
- ★ No distance of less than one half of the shortest wave length can be measured.
- ★ No object measuring less than one half of the shortest wavelength in size will be detectable.
- ★ Only the dimensions of an object or a wave which exceed one half of the shortest wavelength will be detectable.
- ★ A shortest indivisible distance extends quantum mechanics to quantum space and quantum time since space and time can be considered equivalent.
- ★ The speed of light becomes a perceptive maximum in quantum time because exceeding a maximum change of distance during a time frame is equivalent to changing time.
- ★ The uncertainty principle can be dealt with by remembering that many mathematical problems have a set of solutions rather than a single answer.

Anything that moves can be in one time for a long place and can

## BLUR with CERTAINTY in QUANTUM TIME

Knut Thorsgard, M.D. • 340 Parkview Street • Detroit Lakes, MN 56501

## La Grotta di Capri Pasta House

**FREE Delivery**

**Discount with Caltech ID:**

Pizza and Dinners

Dinner for 2 for \$11.95

FREE bottle of wine with every delivery

includes pasta dish with soup or salad and selected dessert

**(818) 796-7652**

1770 E. Colorado Blvd.  
PASADENA

Located near the corner of Colorado & Allen (parking in rear, enter from Meredith Ave.)

## LAEMMILE THEATRES

**ESQUIRE**

2670 E. Colorado Blvd.  
(818) 793-6149

5 Academy Nominations

# MY LEFT FOOT

Daily 5:45, 8:00, 10:10 p.m.  
Sat-Sun matinees 1:00, 3:30 p.m.

**COLORADO**

2588 E. Colorado Blvd.  
(818) 796-9704

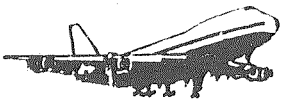
3 Academy Nominations

# Kenneth Branagh's HENRY V

Daily 7:00, 9:45 p.m.  
Sat-Sun matinees 1:20, 4:10 p.m.

## LOWEST AIR FARES

Atlanta	\$258.00 RT
Chicago	\$258.00 RT
New York	\$298.00 RT
Phoenix	\$ 38.00 RT



Bangkok	\$796.00 RT
Bangladesh	\$1046.00 RT
India	\$1165.00 RT
London	\$488.00 RT
Paris	\$668.00 RT
Tokyo	\$560.00 RT

More lowest fares are available. Prices are subject to change.

Call (818) 794-0210

**FREE WORLD TRAVEL**

The Inside World

This Week's **Inside World** was written by:  
**Blacker:** Jerry Carter, Ben Smith, and Jen Wright  
**Blacker2:** Walker Aumann and Noam Bernstein  
**Dabney:** Tracy Fu  
**Page:**  
**Ricketts:** Joe Dadek  
**Ruddock:** Nik Joshi

Blacker	25 0 5 0 0 1 5 1 1 1 3
Dabney	38 0 1 1 3 2 2 3 2 1 4
Fleming	20 0 3 5 0 0 3 2 0 1 3
Lloyd	27 0 6 0 4 3 0 0 0 1 3
Page	15 0 4 3 0 0 0 0 4 1 1
Ruddock	33 0 0 2 1 0 1 0 5 9
Ricketts	23 1 2 4 2 4 4 4 3 2 4

**Blacker2**

It was a cool day in Flamerule and the clock struck thirteen. Brave adventurers from the Southern Kingdom, Aer Bjorn the Ranger and Sticky Fingers with their band of mercenaries, bravely ventured forth from the sacred halls as *Under the Sea* flooded the Music Wasteland. But they would be far below this. "No let not do this. There are dangerous things out there. Let's just go to the pub," asked a silly and particularly Goofy frosh.

And so it was that the party descended upon the Coffee Hovse. "Speaking of parties," exclaimed Danny, Hovse Californian. "I remember this Frosh party at the Hard-Rudd Cafe. A Frosh toy was the DJ with flashing torches and excellent alchemy. In fact I told him that I didn't think he'd play No More Dipshit Whiteboy Music."

While waiting for their order [add one to your age], they were surprised by a small, slightly battered dwarven maiden in plate armor. "Iron Maiden! Excellent!" say Walker and Noam, breaking out the Vaseline and Duct Tape.

"My name is D. I am the last survivor of a lost cult from Snatch defending a sacred artifact of great value to my people." With that she told them a heroic tale success and failure ending in a battle with God himself. And so the Moles voted to add her to their number and joined her quest.

They enter the dungeon through a nearby portal. "It looks like someone has cast a Rock to Mudd spell here," says D as they pass by. "Yeah, a vast sinkhole has opened and is threatening to engulf all the Southern Kingdom," claimed the Legend in his Own Mind, Harry Catrakis.

After passing through a door, they headed westward into the night. Shortly after some of the Moles spontaneously fell asleep. "I have you in my power, eh? I've been waiting for you!" exclaims a dark shape.

"Oh, No!! It's that Most Whipped One, the Godless Canadian Sleep Vampire!!!"  
 "Quick, do something spontaneous. For example, you could show movies now. I've got a License to be Harsh. How about ZZZZZZZZ..."

Big Meany Mejia casts fireball, but forgets it's area effect. It engulfs the party, destroying not only the evil vampire, but also flaming all of the Sophomore Class (except Craig "Asbestos Man" Volden) and the Aero basement. After a few heal spells the party searches for treasure. They find a milk carton with New Hampshire on it.

"It's a potion," Marty says. He drinks the elixir of enamoration. He looks up and spies Ben Holland and says, "I love you. If you were a girl I'd jump your bones. But wait." He casts transmute Ben to Benina, but sneezes, removing Ben's most prominent member. Still lustful, Marty chases Ben back to his chamber. [This is the real story—don't tell Anna]

After a series of turns and a ladder, they enter a room of recent battle. Blood stains the floor, but there are no bodies. "It was here where we the God No! took the icon and the North House Phys 12 Throat Society attacked us," says the dwarf.

"Hey, look what I found," exclaims Sticky Fingers, "It's a +6 backstabber Throat weapon! No need for..."

"But they're all fine weapons," claims a Cute Fuzzy Frosh just before the backstabber removes his vertebrae.

"You know, this looks just like the RA's apartment did before Housing epsiloned the task. They still think we're Animals, but they preserve the conservation of broken Frosh. Interesting things happen to frosh. Yum, Yum!"

They backtrack some and travel on. The passage ends in an open door. A passages to the left and right and another door is in front of them.

"Let's take the west tunnel," suggests D.  
 They start going west, but an Evil, Little, Twisted Dwarf appears before them. "Run Away!"

The party bravely flees to the east. Sticky dives into a narrow crawl heading north with the others just behind. The Hovse Lumberjack, only a frosh, tries to guard the rear. Unfortunately, he met his fate as Hovse Projectile.

The Moles exit at the north end of the crawl and find a passage north. They follow it until it "T"s. "Now what?"  
 "I'll cast a spell," says the Expired Pope and new Pope's Babe. He gestures wildly while moaning indecipherable syllables. The gibberish coalesces into the Common Tongue. "It is in a dark place, in a small passage, far to the north."

"Yeah, great, but now what?" asks Sticky Fingers.  
 "I know. Trust me. I'm an expert. Judging by the direction and construction of the passages, and of course the barometric pressure, as well as slight cross breeze and taking into account the Malathyon, it is obvious that they went to the east," says Aer Bjorn as he looks at the single tracks in the dust heading east.

Somewhat later in the eastern passage, the adventurers halt near a set of stairs going up. Aer says, "The tracks go on."  
 They begin to go on until D says, "Wait. Look Up!"

A Gelatinous Cube bounces down the stairs at them. With a cheesey grin, Montague says, "I'll take care of this." He, his minions and the Tunnel dwellers quickly snarf down the cube. "Look, they're doing it without hands!" a spectator cries.

Seeing a chance to ditch the NPCs, Aer, Sticky and D continue on, following the foot prints. The passage continues east and then turns south. It shrinks in size. All walk hunched over. The tracks lead into a small passage on the right. They crawl into it. It "T"s after just a few feet. They take the right passage (going north).

At the passage's end is a door in the ceiling. Aer opens it and stands up into a room filled with grad turkey mind flayers. "I knew we should have taken that right turn in Albuquerque," exclaims D as she joins Aer, "Look! It's the Drum O' Deafening!"

"Silly Frosh, flicks are for kids," says a random (not chaotic, unpredictable or arbitrary) mind flayer, "Now you will pay."  
 And so it was, upon this twenty-third day of Flamerule, their minds were blasted. They died.

"So do we get any experience points?" the party chimes.  
 "No," says the DM as he begins a precipitation spell.

— Aer Bjorn, Sticky Fingers and Dwarf D

**Blacker**

Kinder? Gentler? What's that? WARNING: This Inside World may be offensive to lovers of small, furry animals.

It was a beautiful day in the Hundred Acre Woods. The birds were chirping, there was a gentle breeze, and everyone was at peace. Winnie the Pooh was sitting in his house, eating his honey. Suddenly, there was a knock at the door. "Who is it," asked Pooh. The door crashed in as two dark forms entered the room.

"Hi, Winnie. I'm Gino the Wolverine, and this is my brother, Luigi the Badger. Nice place you got here. How many jars of honey do you have here?"

"Um, about 30, I think."  
 "Be a shame if some of them got broken."

"What do you mean?"

Crash. "Oh, my brother is so clumsy. Sorry about that vase. Did your mother give that to you?"

"Why, yes she did."

"What a shame. For a few dollars a week, we can insure that you never torment the lives of the readers of the inside world ever again."

"Are you threatening me?"  
 "Heavens, no! Would we do anything like that? Gee, nice house you got here. Too bad it was built on a FAULT LINE!"

"Excuse me?"  
 "No, there is no excuse for you."

News flash from Channel 12. Winnie the Pooh was found mauled to a bloody pulp today by Piglet. He is currently in critical condition at the local hospital. In other news, scientists' predictions of a major earthquake in the Hundred Acre Woods were verified today when a tremor measuring 8.9 on the Richter scale.

And now back to our regularly scheduled inside world.

The hovse officers are starting to figure out their duties. Well, most of them. We've had a couple social events, and excomm meeting, nominations, and alley ordering. Too bad ath team hasn't figured out that they are supposed to tell us when we've got a game to play.

Watch it wiggle, see it jiggle.  
 Cool and fruity, Jell-o Brand gelatin.

So the question is: does Month suck more, suck better, or suck faster? While that one remains up in the air, one thing is clear: Tunnel just sucks.

And now for something completely different.

"Hi kiddies, it's the Mr. Bill Show! Yaaaaaaaaaaaaaaaaaay! Today we're going to watch science and engineering students hard at work. Doesn't that sound like fun?"

"Hi, Mr. Bill."

"Oh, no! It's Mr. Black Hand. Go away, Mr. Hand!"

"Hey, Mr. Bill, watch what happens when we apply the annihilation operator to your dog. Isn't that neat?"

"Oooooooooooooooooooh noooooooooooooooooo! Don't hurt Spot! Why don't you just leave us alone, Mr. Black Hand?"

"Because you suck, Mr. Bill. Hey, look! Sluggo's got a CRC!"  
 "Oooooooooooooooooooh noooooooooooooooooo!" Squish.

"I suppose that's one way to flatten a Gaussian."  
 Time for a commercial break.

Hi. It's the Blacker Plague again. We'd like to thank everyone for the response that we got from the initial outbreak. Thank you, Rob. Thank you, Dave. Remember Dave, if your life is ever going too easily again, just tell us and we'll take care of it. By the way, the Blacker sophomores suck. (We don't really mean this. The only reason we're saying this is that they'll do something about being called worthless and weak, which we are calling them.)

Speaking of lameness, it looks like room 16 is stacking. Does this mean we get to duct tape them to a tree tomorrow? Hope the Shitkickers of Antioch don't get wind of this. Just because the Hand has gone doesn't mean that you're safe.

We'll start by trying to get some allies. If that doesn't work, we'll sabotage everything in sight. And if they still don't give us what we want, then we're back to booting head. - The Blacker Plague

**SURF PROPOSAL Name:** Mole, Jay R. **Option:** Combustion Engineering  
**Class:** Sophomore **GPA:** Yeah, I've got one of those **Citizenship:** Better than my GPA **Address during spring break:** Locked in my room, finishing second term  
**Phone:** No need for telephones. No need for televisions. We should all be hunter-gatherers. **Research Sponsor:** Dr. Freed Have you participated in SURF before? **Yes When?** Last week, when we took off for Zuma. **Previous SURF sponsors:** None, I'm an amateur. **Are you currently eligible for College Work Study?** I work. **I study.** What more do you want? **Summary of courses in major:** Phys 2, Math 2, ORCCON '90 **Work Experience:** None, but I've played with Play-Doh once. **Skills or experience:** See above **Extracurricular activities:** Wishing I was somewhere else **How does your proposed project relate to your professional goals?**

Well, I'd like to be a hunter-gatherer, and as such, I need something to hold the things I will hunt and gather. Ceramic containers fit my needs perfectly since they are natural, primitive, and require no knowledge of quantum mechanics.

The new and improved Blacker Hovse Inside World. If it's too confusing, you're too obscure.

Be harsh to each other. Froth on, dudes.

- Gino & Luigi

THEATRE ARTS AT THE CALIFORNIA INSTITUTE OF TECHNOLOGY PRESENTS

# CAMELOT



**AT RAMO AUDITORIUM ON THE CALTECH CAMPUS, PASADENA**  
**FEBRUARY 23RD & 24TH AND MARCH 2ND & 3RD AND 8PM, FEBRUARY 25TH & MARCH 4TH AT 2PM**  
**TICKETS: \$10.00 GENERAL ADMISSION, \$9.00 FULL TIME STUDENTS & CALTECH/JPL STAFF, \$7.00 CALTECH STUDENTS GROUP RATES AVAILABLE**  
**TICKETS AVAILABLE AT THE CALTECH TICKET OFFICE, 332 SOUTH MICHIGAN AVENUE, PASADENA, AND ALL TICKETRON LOCATIONS**  
**FOR INFORMATION CALL (818)356-4652 OR (800) 423-8849, FREE PARKING AVAILABLE**  
 BOOKS & LYRICS BY ALAN JAY LERNER, MUSIC BY FREDERICK LOEWE, ORIGINAL PRODUCTION DIRECTED & STAGED BY MOSS HART, BASED ON "THE ONCE AND FUTURE KING" BY T. H. WHITE  
 PHOTOGRAPHY BY RONALD ARTHUR GIDSEG, DESIGN BY MARK HEIMBACK-NIELSEN, PRINTING BY GREENSTREET PRESS

## Olive Walk Poll

by Raif Majeed  
 "Do you think there is a drug problem at Caltech?"

	Yes	Don't know	No	Total
Alumni	0	1	0	1
Faculty	4	2	3	9
Graduates	4	5	7	16
Staff	3	4	4	11
Under-graduates	8	3	8	19
Total	19	15	22	56

**Assorted inexact out-of-context quotations**

"I was here four years ago, so I'm not sure what's happening now ... [When I was a student,] drugs were viewed as a part of the house culture." (Alumnus)  
 "I teach a class, so I have some contact [with undergraduates]. They don't come to class doped up; I wouldn't know." (Faculty)  
 "Yeah, I can't find any." (Grad)  
 "I think there is drug use, but not a drug abuse problem." (Undergraduate)  
 "In certain houses, yes. Not in [my House]!" (Undergraduate)

The Inside World

Ruddock

So I was at Ralph's minding my own business shopping for some shampoo since you can't trust any of the bottles in Ruddock, when suddenly things seemed to waver and go out of focus slightly.

"Well my good friend, I go by a number of appellations, including Lucifer, Beelzebub, and Satan, but you, you may call me Gary! I'm here to personally welcome you to your afterlife!"

On the way to Ruddock we passed a hot-tub containing lots of furry little hobbits wearing green and Oriental guys wearing yellow. Kind of a pheromone saturated sensory deprivation tank from hell - uh, I mean in hell.

As we were about to enter Ruddock, I begged Gary to go in through 1.5 instead of the Alley 3 entrance. He just smiled at me and said "Sure, whatever you want Nik, just because I'm Satan doesn't mean I'm a hard-ass!"

"You know Nik, I've had my eye on you for quite some time now, and I really want this to be special for you. Everyone here has created their own special place in eternity, and I'm sure you'll be delighted to know that many of the people you knew are already here waiting for you.

So Gary took me to a random door and opened it. Inside I saw my good friend Duppy reclining on an infinitely huge waterbed listening to quiet, romantic music on his stereo. A single candle floating in air cast soft flickering shadows, and everywhere around Duppy were the sleeping bodies of beautiful, scantily clad women.

Inside I could see Charlie and Meghan sitting on a beach at The Gorge next to their windsurfers, PhD's floating in the air above them. The wind was howling, whitecaps everywhere. This was a raging afternoon to be sure!

Inside I saw Kieth and TJ. "No!" I shouted angrily, "But they were the best that class had to offer! Not them too!" Gary only smiled. The room was full of basketballs, an infinite supply!

Therein I saw the tormented figure of Melissa Li. She was standing by a desk in the middle of a wondrous party with a safari motif! The decorations were grand and everyone was remarking how glad they were that no one was silly enough to pick Under the Sea as the theme!

Another door swung open to reveal Mateo's room. He sat at a desk with an infinite supply of not yet started homework sets all due the day before. Behind him stood his own personal Nazi dominatrix bitch, and task mistress, Amy Hanson. She wore three inch spiked leather hip boots, torpedo tassles on her nipples and a hot pink triangular velcro hook part, attached most securely to her own triangular furry part.

Inside I saw Karen, Jen, and Amy Chen each begging a multitude of plastic surgeons to join them at the hip so they could show Coker a REALLY good time! And each surgeon refused, much to our favorite fencer's dismay!

In this room I saw Mike Mossey and a veritable plethora of cats! And as he approached each one, it would run away shrieking in terror and then promptly fall over dead. Kind of the same affect Shane has on women I thought to myself.

Dabney

After a long talk with Gary Lorden on Friday we have decided that Dabney has an image problem. To help create a new, cleaner image for Dabney, I will not be using the "m" word in this weeks column.

Well, I think that's enough about what's new in Dabney. Let's get down to business with:

Ms. XX's Top Ten Beefcakes of Caltech

- 1. Wurzel Keir
2. Ph 2 T.A.
3. Dirk Runge (without the bazoobs)
4. Ma 2 T.A.
5. Stephen Edwards
6. CS 52 T.A.
7. Sonny Archilla
8. not Dave Wood
9. Anne West
10. Any other T.A. besides Tom Lenosky

I'm not really sure what kind of criteria Ms. XX had in mind when she made up this list. In fact, my reporter's instinct tells me that this list may not be authentic, but this is the only list I got so I had to go with it.

Financial Aid Deadline

Undergraduate students are reminded that financial aid applications for 1990-91 must be submitted to the College Scholarship Service by March 2, 1990.

PATAYA CAFE - FOR THE STUDENT - Spicy Thai Cuisine to Polish the Soul. 5% Discount with This Ad. STUDENT'S LUNCH - Build Your Own - As Many As 15 Thai Delicacies to Choose From \$2.99 & Up.

The Inside World

Therein I spied Dave Peterson in a room full of Greek redheads and freshman tarts. As he approached they would pair up and drive off to the beach, leaving him with only his guitar, depressing song lyrics and his 106.

The view encompassed a large, empty playing field in which stood the Choo-Choo, naked, greased up and ready to do the nasty Bu-Fu. But they just stood there, sad and dejected, having just realized that the frosh women had moved out of their alley, leaving them no one to entertain, nor impress.

I saw before me in the room my faithful comrades, Matt and Milton, and I said to myself "Holy Fuck! What the hell did THEY bring on themselves?" and all too soon I saw! Matt was strapped into a dentist chair unable to move, all sorts of clamps and such hanging out of his mouth.

In the next room was Celia, beautiful Celia, standing naked in the shower. She reached up to a shelf and grabbed a bottle of shampoo, opened the cap, and began squeezing the contents onto her head, not knowing if this was The One!

In the next room I saw the entire CCF! Mark, Julie, Larry, Will, everyone! It was incredible! They were all greased up like the Choo-Choo, doing an even nastier Bu-Fu! Something even I hadn't seen before, or even thought possible!

"Well Nik, it's just a wonderful little trick we have. All the Fundamentalist Christians wind up here you know. C'mon, where else would you send all the weak minded individuals who insist on living their entire lives bound to the text of a two-thousand year old book written by a bunch of stoned guys who thought they heard the word of God? Shit! Besides, any religion whose main symbol is a guy nailed to a cross is pretty fucking sick if you ask me!

"You know Gary, for being Satan, you're all right! Let me buy you a beer!" "Thanks for the offer Nik, just hold that thought, 'cause, here we are."

I noticed that the hallway ended at a single remaining door. It was time. I almost looked forward to my consignment, after all, what could be worse than viewing the misery of my dear friends? Gary opened the door, and suddenly I knew. Yup, this was probably the only thing worse than sending me back to life.

Suddenly a bill appeared. \$50 to Sunnyvale Florist. I wrote the check and immediately it disappeared. In its place was a bottle of Chivas. I opened the bottle and poured it down the sink behind me. Another bill. Sunnyvale Florist, another \$50, and then another bottle of Chivas. I started to sweat. What could be worse? That could be worse was my thought, as a never-ending stream of gorgeous Oriental women began walking by my desk, blowing me kisses and musing up my hair.

- Cynical

the Haircutters STUDENTS - GET \$4.00 OFF WITH THIS AD Shampoo, Style Cut MEN Reg. \$20.00 NOW \$16.00 WOMEN Reg. \$25.00 NOW \$21.00 449-6967 1009 E. COLORADO • PASADENA Offer valid only Monday-Friday, expires June 30, 1990

12 Kinds of Bagels Baked Continuously Daily On Premises • 4 Kinds of Cream Cheese • Swiss, Jack & Cheddar Cheese • Lox • 3 FREE BAGELS Buy 3 Bagels, Get 3 Bagels FREE Goldsteins BAGEL BAKERY • "THE BEST, CHEWIEST BAGELS IN ALL PASADENA!" Susan Kranwinkle, Food Writer, Star News • 1/2 PRICE ANY SANDWICH Goldsteins BAGEL BAKERY • Pastrami • Hebrew National Salami • Tuna Salad • Juices • Self-Serve Sodas • Bagel Dogs • Bialys

The Inside World

Page

Okay, enough weeks without a Page House Inside World! It's back, and more offending than ever! Page elections were held last Thursday. Congratulations to president Bappa "DJ of Radio BAPA" Mukherji as well as the rest of the most egregious EXCOMM! The vice-presidency went to Gary "Mr. Soccer" Eastvedt. Robert "The Knob" Whiteley took secretary, and Chris "White Lightning" Goddard took treasurer. Big Dave Ross wiped the competition (NO votes) and took athletic manager. So much for the EXCOMM positions, let's look at the REAL offices:

- House Novice Oriental Girl Chaser: David "Lefty!" Vaughan
- House Virgins: Glen and Pam (the RA's)
- House Bastard: Paquito "Potato" Gomez
- House Butt Pirates: Fish, Paquito Gomez, and Art "The Mad Russian" Shmurun
- House Pussy Whipped: Bappa Mukherji
- House Fags: Todd "Schamu" Schamberger and Steve "Hardnuts" Harkness
- House Mother: David "Lefty" Vaughan
- House MF: Rob Whitely
- House Afro: David "I'd rather be in France" Lande
- House Ass-hole: Walter "I can't rap" Crim
- House Barbarian: Liz "Tough as nails" Warner
- House Oreo: Carver "Soul Man" Farrow
- House Shit-head emeritus: Dwight "Hockey!" Berg
- House child molesters: Rob Whitely, Brooks "Fester!" Bishofberger, Michael "It's not my fault!" Simpson, and Mark "I have 3 versions of every Def Leppard song" Schmidt
- House drunk: Carl "Tex" Feierabend
- House fossil: Steve "Pit Bull" Perry
- House mouth: Terry "The Bell has to be CLEAN" Chay
- House demolition crew: Jay "The Egregious" Bromley and Chon "Public Enemy" Torrez
- House Mr. Knowledge: Grant "Bo doesn't know, I do..." Sitton
- House Elvis: Win "Watch the hair!" Chamberlin

Page House athletic superiority continues in Disco as well as Interhouse. The house is planning a "Piss on Dave Geraghty" party as soon as we wrap up the trophy. Looks like we'll be able to boycott football and still win it all! Fleming was laughing at us after picking all those girls into the house, now who's laughing? Too bad female mud wrestling is not an interhouse sport! So much for sports, what's been going on in the very heart of Page House? The sacredness of NOHO Alley was invaded after the Ruddock party when the nameless UCC was sexually assaulted in his room. Eye witnesses in the beer room (library) confirmed that she wore her boots the whole time! Later, after it was found that the victim escaped without much sexual harm, the Mad Russian tried to piss on him. Oh, the heinousness of sexual tensions around Page House! Rumors are starting to spread like wildfire about the Gold Fish and the Irish Bike. According to the Gold Fish, though, "when we do it, we'll do it in the courtyard so everyone can see!" I wonder where she got THAT idea? Last night, the RA's announced that a canister of NO<sub>2</sub> was stolen from a chem lab, probably by some student thinking it was nitrous! Oh well, I guess we won't have to worry about defending Disco versus Dabney this weekend! Mark Schmidt is still trying to get over his embarrassment from being told the formula for nitrous by a biker dude at Tommy's. Give up the chem major Mark, we all know you're BI at heart! Just kidding, Mark. You didn't get elected House Dick-chain for nothing! Stay tuned next week when Page will present its new and improved lyrics for The Kingsmen's "Louie, Louie!"

-Bart Simpson

The Inside World

Ricketts

Ahhhh, nothing like a good, healthy, violent flick. Broomball boots so much head. I got me a good broom, a pair of gloves, a jacket, and a silly hat. Everything that you need to play broomball with style. Now if these silly hockey people will just get off the ice, we can start. Who are these people anyway? Let's see... UCLA... what are they doing here? And the others are... Caltech. Oh, well, I guess we can wait until the end with a little patience then. How are they doing? 7 to 0 Caltech. Well then, as long as they're winning.

Oh, good, they're finally done. 9 to 0, not bad. Now, a full hour- and-a-half of broomball. I wish I hadn't twisted my ankle playing trayball earlier today. I'll have to hang back and play defense. Heck. This will probably do wonders for my fencing ability on Sunday also. Oh, and getting up a 8 in the morning to go fence will be no end of fun the day after Apache. At least Apache will provide some redeeming value to the weekend.

Look out, here comes the ball! Block, flail, smash, there it goes... someone else has it now. Hmmmm, I like the way it feels to smack it like that. Wish I could do that to some of the cats in the house. Or at least stuff them all into a box. I know at least one kitten in the house which already in one...

Duck, block, chase, slam! Ouch, these walls just aren't soft. Too bad I have no traction. I guess it's my turn to play goalie now. It's pretty boring here, the ball's always on the other side of the center, avoiding the issue. Sort of like the Malathion helicopters spraying from above the altitude set by Pasadena. Now they don't know where the junk will land. Joanna went off to another protest today, and Stu has some slogan plastered on the back of his truck. I guess these people won't stop until the every Medfly can live in safety and comfort.

Whoops, here they come. Left, right, center, around the back of the goal, back to the front, and \*DIVE\*... missed. They scored. Okay, somebody else play goalie now. I'll go back to defense. La, la, ho, hum. Ditch Day is coming up Tomorrow. I should resurrect the fine tradition started by a previous physicist. Let's see, dinner announcement, wear clothes in which you don't mind getting floated. In Georgia, the soil is this fertile red loam, at least it's fertile to all of the Kudzu, and the color is so hard to get out of clothing that the stuff has come to be associated with misery and annoyance. A friend of mine told me that over the summer he had worked for a company that transferred in a new manager, who had never lived in the state before. The manager noticed the tendency of the workers to avoid any contact with the red mud and asked my friend why to which he replied: "RICH CLAY'S FOR SORROW, BOSS!"

Run, dodge, smash, wiff, block, swipe! Ha, so there. That'll teach them to try and score on the Phys, Frosh, and Farris team. It's good to see the Frosh playing well this time. Now if they'd just sign up for tunnel guides. They must not realize that the tunnel guides have more fun in the tunnels than the people up at the first hour of Apache before anyone else arrives. They might as well do it and enjoy it; I get to work goon squad for a while which is certainly less exciting. Everybody does their bit to make it a fun time.

Whoa, time certainly flies on the ice. Time to go home. Oh look, it's that thing that always pops up in Peanuts, the Zamboni. Boy, driving that thing around must be the height of job satisfaction. How many people can we pack into Stu's truck? Not as many as last time I guess. What do I do when I get back? I could start some of the piles of work I'm behind in... bleah. Oh, I know, I could write the Inside World. That will delay the problem for a good hour at least. Now all I have to do is come up with an idea for it...

-The Physics Messiah

You left to make your mark.

Now come home for the same reason.

At Nippon Motorola Ltd., we know the pride you feel in your American academic achievements, and your desire to apply your skills in a supportive environment when you return home.

We are a wholly-owned subsidiary of Motorola Inc., one of the world's leading manufacturers of communication systems, semiconductor devices, automotive and industrial electrical components, and information systems equipment.

As one of Japan's most highly respected American high-tech companies, our dynamic expansion means we can offer Japanese students who have studied in the U.S. a number of summer internships in the U.S. and Japan. Full-

time career opportunities in both technical and non-technical positions are available at our Tokyo, Osaka, Sendai and Aizuwakamatsu facilities, and require superior Japanese communication skills both written and spoken.

**MEET WITH US ON CAMPUS**  
Thurs., March 1, 1990

Please contact your Placement Office for details.

If you are unable to meet with us while we are on campus, please send your resume to: Nippon Motorola Ltd., College Relations, 725 South Madison Drive, Tempe, AZ 85281, or call collect (602) 994-6394.



日本モトローラ株式会社



**MOTOROLA INC.** An Equal Opportunity Employer.

SERIOUS MUSIC

- The Beatles
- The Stones
- The B-52's
- The Cure
- The Sugarcubes

THE PHIL

We're talking SERIOUS MUSIC... like Beethoven, Brahms, and Mozart. The Los Angeles Philharmonic gives you this serious music... **TOTALLY LIVE**... in a setting that's much more intimate than the Coliseum or the Forum. And where else can you get an incredible deal like **TWO TICKETS FOR \$5.00** in February for a live concert, just by showing up at the Philharmonic's Music Center Box Office with your current, valid student I.D. no more than 2 hours before the concert. (You don't have to camp outside all night just to get seats behind a speaker.)

Here's a great idea... join the Philharmonic's free Student Frequent Buyer Program by calling (213) 850-2050, buy 3 tickets and get a fourth ticket FREE.

**FEBRUARY SPECIAL**  
**2 TICKETS FOR \$5.00**

**This Week!**  
Fri. and Sat., Feb. 23 and 24, 8:00; Sun., Feb. 25, 2:30  
André Previn, conductor  
Jessye Norman, Florence Quivar, David Gordon, Gary Lakes, James Johnson, vocal soloists  
Hans Hotter, speaker  
Los Angeles Master Chorale  
Pacific Chorale  
Schoenberg: Gurrelieder

**Next Week!**  
Mon., Feb. 26, 8:00  
Mercedes-Benz Celebrity Series Recital  
Isaac Stern, violin  
Robert McDonald, piano  
Music by Bach, Fauré, Janáček, Kreisler, Dvořák, and Szymanowski  
Fri. and Sat., Mar. 2 and 3, 8:00; Sun., Mar. 4, 2:30  
Kurt Sanderling, conductor  
Peter Roesel, piano  
Brahms: Piano Concerto No. 1  
Brahms: Symphony No. 1

Upbeat Live free pre-concert discussions 1 hr. before concerts (except Mercedes-Benz Celebrity Series).

For the whole scoop, just call (213) 972-7211.  
Seating at the discretion of the Box Office, subject to availability.  
Artists, dates, and programs subject to change.

**LOS ANGELES PHILHARMONIC**

# what goes on

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.

## Online Schedule of Classes

The Caltech schedule of classes, as published by the Registrar's office, has been added to the online INFO system, accessible via CITnet. A write-up on using the INFO system is available from the CCO Consulting Office, 162 Jorgensen.

## Temple U. Summer Research

Temple University in Philadelphia seeks applications for a Summer Research program for minority undergraduate students funded by the United States Department of Education.

Up to 20 undergraduate students will be selected to participate in a 10-week program designed to provide participants with extensive "hands on" research experience in one of the following area: Life Sciences, Chemistry, Engineering, Experimental Psychology, Geology, and Physics.

Duration: May 29 to August 3, 1990. Award: a \$2,500 stipend and campus housing for the duration of the program. Some travel funds are available.

Requirements: applicants must be undergrads, U.S. citizens or permanent residents, and members of underrepresented minority groups (Black, Hispanic, Native American). Preference will be given to applicants who will have completed their junior year by the starting date of the program, although those having completed their sophomore year will also be considered.

Review of applications begins March 16. Final deadline is March 30. Applications are available in the Deans' Office, 102 Parsons-Gates.

## New Aero Course

Next term, engineers and scientists from Hughes Aircraft will present and discuss communications satellites in Ae 107c—Case Study in Engineering. The Organizational meeting will be held in 269 Lauritsen on Monday, April 2 at 4:00 pm. If any questions, please call Patrick at x4789.

## Japan-America Conference

Positions are available on the American delegation of the 1990 Japan-America Student Conference (JASC). JASC is an internationally coordinated program for university students held alternately in the U.S. and Japan. The program is held in English. This year's program will start in Anchorage, move to Seattle, and conclude in San Francisco. There will be an orientation in Portland before the program. JASC is open to any student who is a U.S. citizen or has permanent resident status. Application deadline is February 23, 1990 for this summer's program. The Career Development Center has more information and applications. Stop by at 08 Parsons-Gates.

## Last Chance Horse History

The final installment of *The History of the Horse* will be presented by the Caltech Non-existent Equestrian Team on Monday, Feb. 26 from noon to 1 pm in Rm. 19, Baxter. If you missed the first five parts, don't worry—come anyway. All are welcome to bring your own lunch to see our big screen presentation. If any questions, call Liz at x4515 or Victoria at x3828.

## Arthurian Pizza

Come eat pizza at Round Table Pizza, at Fair Oaks and Monterey in South Pasadena on Monday, Tuesday or Wednesday, February 26-28, and help support TACIT. If you buy a pizza there, to eat in or take out, and drop your receipt in the special jar at the cash register, then 25% of your bill gets donated to the Caltech Musical production of *Camelot*. Let's face it, you like pizza anyway, so why not pig out in a good cause?

## Genome Ethics Lecture

"The Human Genome Project and the Christian Vision" is the subject of the Newman Center's Albertus Magnus Lecture on Monday, February 26 at 8 pm in 24 Beckman Labs. This year's lecturer is Fr. Albert Moraczewski, O.P., Ph.D. from the Pope John XXIII Medical Moral Research Center in Houston. Admission free, all welcome.

## Cornet Band In Beckman

Music from the turn of the century is featured when Mr. Jack Daniel's Original Silver Cornet Band perform on Saturday, March 3 at 8 pm in Beckman Auditorium.

From a faded photograph taken in the mid 1890s, musician-actor-historian Dave Fulmer has re-created a form of Musical Americana that no longer exists. Along with "Perfessor/Conductor" David Coffee, the band brings to life the sights and sounds of a vanished era in American musical history via a 12-piece band of Tennessee musicians dedicated to playing the music of the small town bands of over half a century ago.

CIT faculty and staff ticket prices are \$20.50-18.00-15.50; CIT student prices are \$11.25-10.00-8.75. On Friday, March 2, TECHTIX (for CIT faculty and staff) go on sale for \$11.25-10.00-8.75. CIT student rush tickets at \$7 also go on sale at that time.

Tickets can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call campus extension 4652 for information.

## NSF Chem Program at USC

A newly-funded NSF program at USC is sponsoring a summer undergraduate research program. Spend normally ten weeks carrying out research in one of the following areas: organic, inorganic, physical, bio-organic, polymer, theoretical, surface, and chemical physics.

Receive a \$2600 stipend. Also included are housing (dorms), meals, medical coverage and a \$150 bookstore allowance.

If interested, stop by the Dean of Students Office, 102 Parsons-Gates, to fill out the application. The deadline is April 15; applicants will be informed of a final decision by April 25. For further information, call Ms. Laurel Luchsinger at (213) 743-2781.

## E.T. Bell Prize

The E.T. Bell Undergraduate Mathematics Research Prize is a cash prize of \$500 awarded for the best original mathematics paper written by a Caltech junior or senior. Contestants for the Bell prize must be nominated by a faculty member familiar with their work. Students who wish to be considered for this prize should contact a member of the mathematics faculty prior to the end of second term to discuss the nature of the research. If the entry is sufficiently worthy the faculty member will nominate the contestant and act as sponsor. Each student is entitled to only one entry. All contestants nominated must submit their papers in final form to their faculty sponsors by the end of the fourth week of third term. A faculty committee will then judge the papers and announce its decision before the end of third term. The committee may award duplicate prizes in case of more than one outstanding entry. The name of the winner (or winners) will appear in the commencement program.

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 Marin County Educational Foundation is offering grants for the 1990-91 academic year. Applicants must be Marin County residents and must complete a SAAC or FAF. For more information and/or an application contact the Financial Aid Office at 515 S. Wilson or call x6280. Deadline to apply is March 2, 1990.

The Energy Exchange of Greater Los Angeles will award scholarships of \$1,000 each to students entering the junior or senior year of college September '90. Their major must be engineering or computer science with a GPA of 3.0 both overall and within their major. Applicants must be U.S. citizens and demonstrate excellent oral and written communication skills. For applications contact the Financial Aid Office at 515 S. Wilson Ave. Completed applications are due in the Financial Aid Office by TODAY, February 23.

Women's University Club-American Association of University Women is offering merit scholarship gifts for the 1990 summer session and fall regular session. Must be a U.S. citizen, a resident of L.A. county or an adjoining county, and currently enrolled in a graduate degree program in a local accredited university. Must have a minimum 3.75 GPA in a program of at least 8 units completed in semester preceding application. Show participation and leadership in groups or committees at the university or in the community. Must be available for an interview. Deadline for application is TODAY, February 23, 1990.

The Rotary Club of Los Angeles is offering a \$2,000 per year scholarship to current sophomores and juniors who are U.S. citizens or permanent residents. You must have a 3.0 GPA. Deadline to submit applications to the Financial Aid Office is March 5, 1990.

# bylaw

**Article IV - Elections**  
Replace the current Section 9 with the following:

**Offices of the Directors at Large:** One of the Directors at Large shall be a freshman and the other shall be an upperclassman at the time of election. The freshman Director at Large is responsible for the publication of the Undergraduate Research Opportunities Handbook. The upperclassman Director at Large is responsible for the management, finances, operation, and maintenance of the ASCIT van and copier. The Directors at Large shall in addition perform other duties as specified by the Board of Directors.

**Article VI - Executive Committee.**  
Replace the first two sentences of Section 2 with the following:

**Duties.** The Executive Committee shall have the power to interpret the bylaws. It shall also have the sole power to consider the validity of protests and reschedule invalidated elections.

Strike Section 5 entirely:

**Approval.** All decisions of the Executive Committee must be approved by the Board of Directors.

**Article VII - The Board of Control.**  
Replace the current Section 3, subsections o and p with the following:

(o) Any records of the proceedings of the Board are to be kept only by the Secretary. The official minutes of proceedings resulting in convictions shall be kept by the Secretary in a minute book of the Board of Control. This book shall be kept under lock and key by the Dean of Students. The Chairman and Secretary shall have the sole power to get the minute book from the Dean and shall do so only on official business of the Board. All other records shall be destroyed by the Secretary.

(p) The official minutes of proceedings resulting in convictions shall include the names of all persons concerned, the decisions reached by the Board with corresponding vote tallies, a description of any previous convictions, as well as the names of the members of the Board present.

**Article VIII - Elections and Procedures.**  
Replace the first sentence of Section 3 with the following:

Ballot boxes shall be placed in each of the undergraduate student houses between 8:00 A.M. and 8:30 A.M., and removed between 8:00 P.M. and 8:30 P.M.

Replace the current Section 8 with the following:

The Election Chairman must release and post the report of the Election Committee no later than 9:00 A.M. on the day after the election. Said report shall be posted in each of the undergraduate houses and at the office of the Master of Student Houses. However, numerical results shall not be made public until all officers have been elected. All protests must be given in writing to either to the President, the Chairman of the Executive Committee, or the Election Chairman. If no protests are received prior to 1:00 P.M. on the day following an election, the report of the Election Committee will be considered valid.

Replace the first sentence of Section 10 with the following:

Installation of all officers shall take place at the second meeting of the Board of Directors following the completion of officer elections (except as provided elsewhere).

Replace the first sentence of Section 11 with the following:

All officers of the Corporation shall retire immediately upon the installation of their respective successors, with the exception of the Treasurer, who will remain as a non-voting officer until the beginning of the new fiscal year as per Article IV, Section 5.

## Article XIV - Publications.

### TECH PROPOSAL 1

Replace Article XIV, Sections 8-9 with the following:

**SECTION 8.** The salaries, commissions, and bonuses of the Editor, Assistant Editors, and Business Manager of each publication will not be paid until the Board of Directors has approved payment. No commission will be paid until payment for that advertisement has been received, unless specifically approved by the Board of Directors. Salaries may be withheld by the Board of Directors, in whole or in part, for unsatisfactory performance by the Editor, or failure to submit on time the required financial reports or for gross financial negligence by the Business Manager.

**SECTION 9.** Compensation schedules for the *California Tech*, *Big T*, and *little t* must be submitted by each publication to the Board of Directors for approval. The schedule must be submitted within a month after the Editor and Business Manager of that publication have taken office. If either is replaced before their respective term of office ends, the schedule must be resubmitted within one month after such replacement has taken place. The schedule must include the following: salaries, commission rates, and possible bonuses; descriptions of duties for all paid positions; and a payment schedule. The salaries, commissions, and bonuses will be paid from the respective publication's funds.

**SECTION 10.** Salaries and bonuses for the other publications will be paid from corporate funds.

(a) *Course Listings of Undergraduate Education (CLUE).* The Editor will receive a salary of three hundred dollars (\$300) with a possible bonus of one hundred dollars (\$100). He may appoint a maximum of two (2) Assistant Editors, who will each receive a salary of fifty dollars (\$50).

(b) *Totem.* The Editor will receive a salary of one hundred dollars (\$100) with a maximum bonus of one hundred dollars (\$100). A group of corporation members may hold this position.

(c) *Undergraduate Research Opportunities Handbook.* The Editor will receive a salary of one hundred dollars (\$100).

**SECTION 11.** Satisfactory performance by the Editor and Business Manager of a publication will usually require that the publication be available by the date specified in this section.

(a) *Big T*—ten (10) days after the day of general registration first term of the next academic year.

(b) *little t*—the day of general registration first term.

(c) *CLUE*—the day of general registration first term.

(d) *Undergraduate Research Opportunities Handbook*—the day of general registration third term.

### TECH PROPOSAL 2

**A. Replace Article VIII, Section 1 (first paragraph) with the following:**

**SECTION 1.** Nominations for the offices of President, Vice President, and Editor of the *California Tech* shall open at 8 a.m. the second Wednesday of second term, and shall close at 5 p.m. the following Tuesday.

**B. Replace Article XIV, Section 11 (first clause) with the following:**

**SECTION 11.** The Editor of the *California Tech* takes office upon installation of the corporate officers;

### TECH PROPOSAL 3

Replace Article IV, Section 13 with the following:

**Sam Custom Tailor**

3519 E. COLORADO BLVD  
PASADENA  
(818) 793-2582

**Hours:** 9:00 a.m. - 7:00 p.m.

TAILORING for  
LADIES & GENTLEMEN  
ALTERATIONS  
RETYLING  
INVISIBLE REWEAVING

Special rates for Caltech/JPL community

# Diversity

from page 1

sure that "Caltech is, and will continue to be, a community of (applied) scientists." One possible way to admit more minority while maintaining high academic standards is to expand the application pool. That issue was also addressed in the discussion. Many present suggested setting up separate scholarships for minority students to increase the interest of those potential applicants. The panel welcomed the suggestions.

The second half of the discussion centered on the possible ways of increasing faculty and student interaction, including interaction between undergrads and grads. In order to have a diverse student body, it's necessary to have a faculty that is willing to share their diverse views with the students. It's the collisions of ideas that produce new ones, as Langdale put it.

Some suggested a lunch plan where the students (undergrads and grads) would dine together with faculty members to stimulate the exchange of ideas between them.

Another suggestion was to have joint organizations, such as clubs, and activities, such as the existing GUSH (Grad Undergrad Social Hour) for undergrads and grads. Many of the other existing organizations, such as the Men's and Women's Glee Clubs, are good examples of such environment where diversity is created through the participation of different individuals.

Among the many important questions that were raised in the discussion but not satisfactorily answered was: is it the very nature of science that prevents the existence of diversity? In other words, because everyone here is scientifically oriented, can there be room left for other interests? Is the pursuit of such interests possible considering the intense academic pressure? Or is it necessary to sacrifice such interests and talents in order to come here? Then, is there room left for diversity? Or, as suggested by some in the audience, is it necessary to change the identity of Caltech significantly to achieve diversity? And would it be worth it? These are the questions that we all have to address if we are to change Caltech for the better.

**SECTION 13.** Office of the Editor of the *California Tech*: The duties of this office are specified in Article XIV. A group of corporation members may hold this position.

### TECH PROPOSAL 4

Insert a new section after Article XIV, Section 1 as follows:

**SECTION 2.** The Business Manager of the *California Tech*, the Editor and Business Manager of the *Big T*, the Editor and Business Manager of the *little t*, the Editor of *Totem*, and the Publication Darkroom Chairman are appointed by the Board of Directors.

**ACADEMY  
BARBER SHOP**

27 N. Catalina Ave., Pasadena  
Open Tues.-Sat., 8 A.M.-5 P.M.  
449-1681

**CLASSIFIED ADS**

ANNOUNCEMENT—

**THE BIG BANG**, as the beginning and center of time and space, can act as an absolute reference. Relativity is based upon the lack of absolute reference. Absolute quantum time unites physics.

HELP WANTED—


**DESPERATE SECRETARY SEEKING** engineer to design timer with tape playback capability that is linked to time settings. Plan to market. Call Carol (818) 281-4039 evenings before 10; days (213) 282-2186.

SERVICES—

**ELLEN'S SILKSCREENING** South Pasadena. Custom printed tee's, sweats for clubs, fraternities, etc. (818) 441-4415.

**RATES** . . . . . \$4.00 for first 30 words; . . . . . 10¢ for each additional word. Send written ad with payment to 40-58. Deadline is 6 p.m., Monday before issue. No charge for on-campus lost & found.

**HAPPY HOUR at the dentist?**



See Dr. Richard S. Phillips, D.D.S.  
1302 North Altadena Drive  
Pasadena • 797-6778


New Patient HAPPY HOUR SPECIAL (Tues. & Thurs., 2-6 p.m.)  
Cleaning/Exam \$18.00 (reg. \$70.00) expires June 1990

**Rag Time  
on Green**

RESALE CLOTHING  
for  
WOMEN

1136 E. Green St. • Pasadena  
(818) 796-9924

Mon 10-6 • Tues-Thurs 10-5 • Fri-Sat 10-3



**“AWARD OF EXCELLENCE”**  
*Paul Wallach's Guide to Restaurants of  
Los Angeles and Southern California*  
as a Restaurant of Distinction

**2475 EAST COLORADO BLVD., PASADENA**  
**FOR RESERVATIONS: (818) 449-8018**

Open 7 Days • Cocktail Lounge • Food To Go Orders Welcome • Free Parking in Rear

**MANDARIN CUISINE  
AND SEAFOOD**

**LUNCH SPECIAL**  
Choice of 13 entrees  
11:30 a.m.-3 p.m. from **4<sup>25</sup>**

**EARLY BIRD DINNER SPECIAL**  
Choose from 13 items  
3-7 p.m. DAILY ONLY **5<sup>25</sup>**

**CLASSIC DINNERS**  
Sunday-Thursday 3-10 p.m.  
Friday-Saturday 3-10:30 p.m.  
*Between Altadena Dr. & Sierra Madre Blvd.*



**PARIAN TRAVEL**  
Caltech Officially Approved

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

Airlines, Cruises, Tours, Hotels, Car Rentals.  
Individual, Commercial, Groups.

**(818) 577-8200**  
468 S. Sierra Madre Boulevard, Pasadena

sports

# Sex, Lies, and Hockey

by Brooke Anderson

OK, so there wasn't any sex, and I won't lie TOO much. But this IS about ice hockey, the most venerated of all modern sports, which dates back to the time of the ancient Phoenicians and which is depicted on much of their pottery. Specifically, this is about our game against UCLA.

The imagery of the evil and depraved bear mascot of UCLA set the overall atmosphere for the game. Yes, things started out civilly enough. But then the game started. Dwight "if it's still twitching, the check wasn't good" Berg decided to see if he could slam every player on the UCLA team.

When UCLA refused to rotate their players in a conducive enough manner, Dwight gave up in disgust and reconciled himself to taking slapshots at the goalie. Although pounded into a semifluid mush, the goalie managed to stay propped up in goal (mainly due to the supportive properties of all of the pads that goalies wear), limiting Dwight to only 2 goals.

Martin "Mr. Shoulder Pads" Brouillette got 2 goals as well, despite the contest he was having with himself to see how often he could shoot the puck into the goalie, missing the much larger area of the wide open net. Bob "Bob" Lane got 2 goals by dazzling the opposition with fancy stick handling. Jeff "Big Stick" Hall, despite many chances and a big stick, got

only one goal and was so disgusted after the game that he refused to join in on the customary 7-11 slurpy run. Jaques "Shock Tube" Belanger also got one goal but should be credited for his awesome performance at receiving penalties, one of which was for nearly decapitating a lone UCLA player who was minding his own business far from the play. (But he WAS on the ice, eh Jaques?) Dale "Wayne who?" Laird got one goal and an incredible 5 assists. Other assists went to Martin Brouillette, Jeff Hall, Jeff Moore, Pat Dobson (inventor of the famous "Dobson I formation"), Phil Tokumaru, Tom Penn, and George Yates (pronounced "Hor-hay Ya-tays").

Caltech goalie Rob "Brick Wall" Nickells gave an awe inspiring performance, letting in no UCLA goals, all while solving complicated contour integrals scratched out on the ice in front of his net.

Thus, the final score was 9-0 Caltech. This is certainly an impressive score, but not quite up to our previous performance (last time, we won 19-1). As an interesting aside, I fitted the 2 previous goal totals into a formula involving Planck's constant, the speed of light, the rest mass and charge of the electron, and the past history of the prices of chili-cheese fries at Lucky Boy to find that the next Caltech-UCLA game will result in a 415-3 victory for Caltech.



Dwight Berg, caught in a rare moment when he wasn't flooring a helpless opponent to the ice, instead prepares to take a slapshot at the goalie.

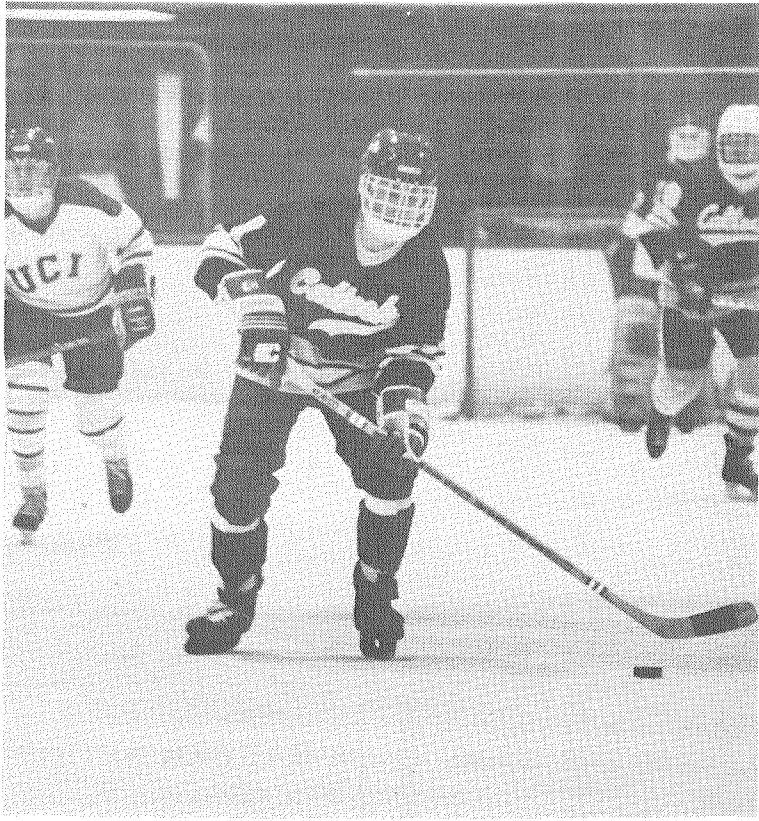


photo by Robert Paz

# Basketball Opponents Tough

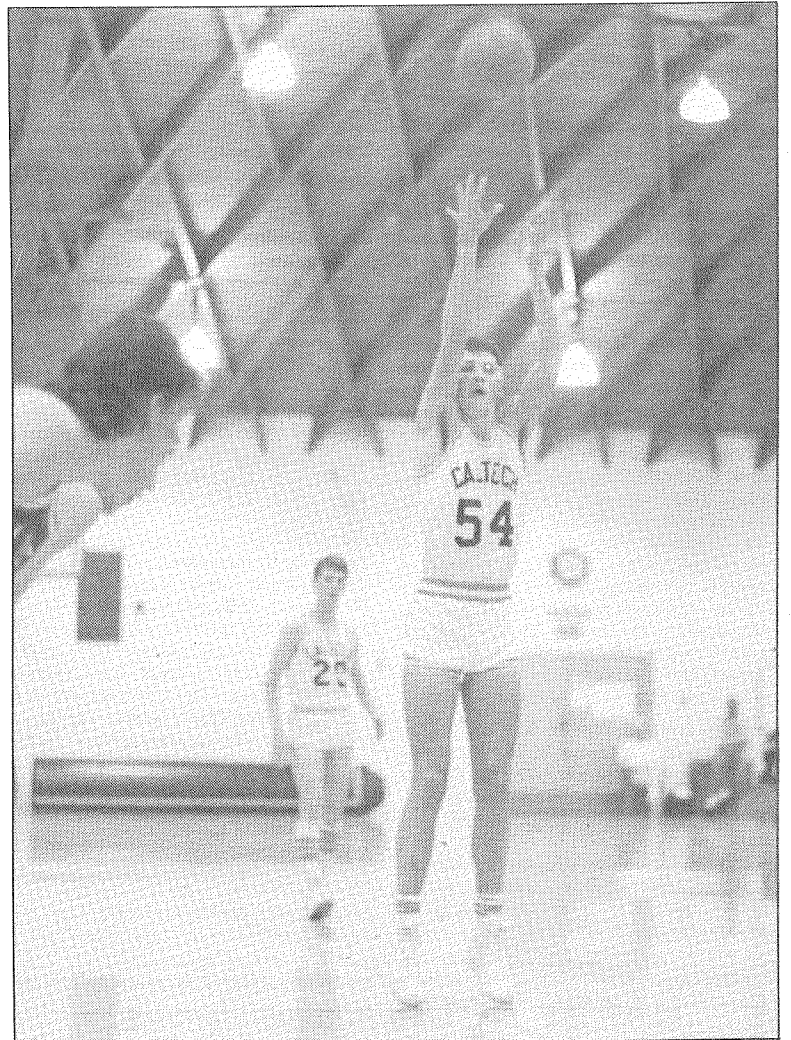
by Gene Victor

The 1989-90 Caltech Basketball Program took a giant step forward by being readmitted into the varsity division of the SCIAC conference. Consequently, Caltech fielded both varsity and J.V. teams for the first time in recent history. A total of 16 players received extensive playing time and established a solid foundation for the future of this program.

The Beavers' preseason schedule was extremely tough, having hosted several Eastern NCAA Division III powerhouses. The SCIAC Conference season proved equally tough, leaving the Beavers with a 2-20 overall record. Nevertheless, the team was surprisingly competitive and represented Caltech extremely well.

Top ten conference statistical performances were turned in by junior Bill Swanson (rebounding, shooting percentage, and blocked shots) and freshman Keith Oslakovic (assists). Other top performances were turned in by senior Jason Karceski and Junior Larry Ahle.

The sixteen members of the 1989-90 program deserve a great deal of praise for their dedication, hard work, and strength of character. It is not easy handling the adversity of a 2-20 season, but these men performed admirably throughout. They constantly earned the respect of opposing players and coaches and established a standard of commitment which will certainly lead to greater success in the future.



Big Bill Swanson scores from the free throw line in the Beavers last game of the season versus LaVerne. Tech lost 79-39, but Bill had his best game ever, scoring 28 points and grabbing 12 rebounds. Bill did this, despite playing with an injured thumb, which he just found out was actually broken. It was the last game of seniors Jason Karceski and Randy Ralph's collegiate career.

## WEEKLY SPORTS RESULTS

Day	Date	Sport	Opponent	Results
Fri.	2-16	Baseball	Whittier	0-17
Sat.	2-17	Basketball	Occidental	45-76
Mon.	2-19	Basketball	LaVerne	39-79
Wed.	2-21	Tennis (W)	Pomona-Pitzer	0-9
Wed.	2-21	Hockey	UCLA	9-0

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	2-23	2:30 pm	Baseball	La Verne	Caltech
Sat.	2-24	11:00 am	Baseball (2)	La Verne	La Verne
Sat.	2-24	12 noon	Track	CIT Invitational II (The Sequel)	Caltech
Sat.	2-24	1:30 pm	Tennis (M)	Whittier	Whittier
Sat.	2-24	1:30 pm	Tennis (W)	Biola	Caltech
Sun.	2-25	10:00 am	Fencing	C.S. Fullerton & U.C.S.B.	C.S. Long Beach
Mon.	2-26	1:00 pm	Golf	La Verne	Occidental
Tue.	2-27	3:00 pm	Tennis (M)	Redlands	Caltech
Tue.	2-27	3:00 pm	Swimming	Redlands	Caltech
Wed.	2-28	1:00 pm	Golf	Whittier	Redlands
Wed.	2-28	3:00 pm	Tennis (W)	Occidental	Caltech
Fri.	3-2	2:30 pm	Baseball	Redlands	Caltech
Fri.	3-2	All Day	Fencing (M-W)	Western Regionals	Stanford
Fri.	3-2	3:30 pm	Tennis (W)	Mills College	Caltech
Sat.	3-3	7:00 am	Golf	So. Cal. Intercollegiate	Torrey Pines C.C.
Sat.	3-3	11:00 am	Baseball (2)	Redlands	Redlands
Sat.	3-3	11:00 am	Track	Oxy & Pomona-Pitzer	Clare-Mudd-Scripps
Sat.	3-3	1:30 pm	Swimming	Christ College	Christ College
Sat.	3-3	1:30 pm	Tennis (W)	Whittier	Whittier
Sat.	3-3	1:30 pm	Tennis (M)	Christ College	Christ College

THE CALIFORNIA TECH  
40-58 SAC CALTECH  
Pasadena, California 91125