



# The California Tech



VOLUME LXXXIX NUMBER 15

PASADENA, CALIFORNIA

FRIDAY 5 FEBRUARY 1988

## First in a series: Admissions Criteria

by Ruchira Datta

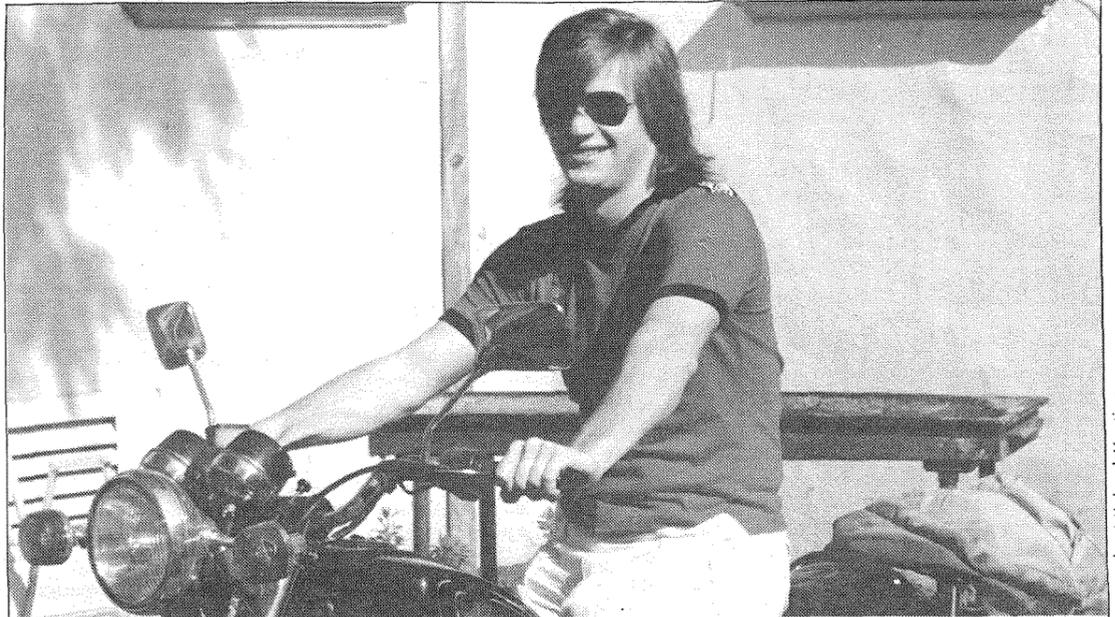
The admissions committee, prompted by Dr. Everhart, has set an ambitious goal this year: the committee wants 25% of the entering class of 1988 to be women. To further this goal, the committee will not lower its admissions criteria for women (as, most notably, MIT has done). What are the criteria?

In September, the admissions committee, chaired by Mike Hoffman, Professor of Environmental Engineering and Science, decided on a set of six formal criteria by which to judge applications. These criteria are: high GPA and class rank, high standardized test scores, good teacher recommendations and favorable interviews with committee members, ability to make positive contributions to life at Caltech, interest in a career in science and engineering, and a well-written essay.

According to the document, "Admissions Criteria for 1987-1988," which was prepared by the Freshman Admissions Committee, "the foremost measures of future success at Caltech are a student's ability to work hard, to be organized, and to interact well with his or her classmates." The committee is looking for students who are well-rounded, and who excel in most of their classes, as well as a few extra-curricular activities.

Grades and class rank are quantitative measures of a well-rounded student. Students who did very well in math and science classes but poorly in other classes do not usually have a very high GPA. These students will do well only in those subjects which interest them, or which come easily to them. In the words of the committee, "we want to avoid the uni-dimensional student who also happens to be a

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New ASCIT President Sam Weaver goes for a spin in the mountains before facing the throng of clubs waiting for precious funding. He was able to escape most of the crowds except for the Caltech Australian Lobster, Ginger Ale, Cashew and Four Square Club (CALGAC-AFSC) which then received \$30,000 in funding.

photo by Michael Keating

## Caltech Astronomers Observe The Birth of a Quasar

[CNB]—An ultraluminous pair of colliding galaxies, one billion light years from Earth, may be a quasar in the earliest stages of its evolution, report astronomers from the California Institute of Technology. In an article published in the February 5, 1988, issue of *Science* magazine, the researchers report on infrared, optical, and radio-wave observations of an object called IRAS 14348-1447, a colliding galaxy system enshrouded by dust. Their studies seem to resolve a long-standing controversy on what fuels quasars by indicating that the formation of a quasar source in a galaxy may be linked directly to the presence of huge quantities of molecular gas in the galaxy's central region.

The study was carried out by David B. Sanders, senior research

fellow in physics, Nicholas Z. Scoville, professor of astronomy and director of the Owens Valley Radio Observatory, and B. Thomas Soifer, senior research associate in physics. They used infrared data from the Infrared Astronomical Satellite (IRAS), which discovered IRAS 14348-1447 in the constellation Libra, optical data from the 200-inch Hale Telescope at Palomar Observatory, and radio-wave data from the 12-meter telescope on Kit Peak near Tucson, Arizona, which is managed by the National Radio Astronomy Observatory.

Quasars are the brightest—and among the most baffling—objects in the universe. Quasars occupy volumes no larger than the volume of our solar system, yet they are at least one trillion times as bright as the sun, or about 100 times as bright as the entire Milky Way galaxy. How quasars sustain this luminosity is one of the major riddles of astronomy.

Quasars typically radiate most of their energy as visible and ultraviolet light. But in 1985, Caltech astronomers studying IRAS data reported the discovery of quasars that emit more than 90 percent and as much as 99 percent of their energy as infrared radiation. These objects apparently possess central energy sources enveloped in dust, which absorbs the visible light and re-radiates it as heat.

In early 1987, Caltech astronomers reported that studies of ten of these infrared quasars showed them all to be contained within pairs of colliding galaxies.

IRAS 14348-1447 is one of these, and the present study reports on detailed observations of this single object. All of the data from IRAS, an Earth-orbiting satellite that gathered a wealth of data from January to November, 1983, are currently under study at Caltech's Infrared Processing and Analysis Center (IPAC).

The optical observations of IRAS 14348-1447 from the 200-inch Hale Telescope atop Palomar Mountain show that gas within the object is moving at up to 2,000 kilometers per second—almost 4.5 million miles per hour. These high velocities suggest the presence of a supermassive object, probably a black hole, into which the gas is falling. Although this black hole is smaller than our sun, it is probably 100 million to one billion times more massive.

One of the most significant findings in this report came from the millimeter-wave observations of IRAS 14348-1447 from the National Radio Astronomy Observatory's 12-meter telescope. These observations allowed the astronomers to estimate the total amount of molecular gas present in the colliding galaxy system. To do this they looked at radio emissions produced by the molecule carbon monoxide (CO). Although CO is only a minor constituent of molecular gas clouds, an estimate of CO abundance can be used to derive the abundance of molecular hydrogen (H<sub>2</sub>), the clouds' major constituent. IRAS 14348-1447 proved to be the most luminous known object in the universe at CO

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photo by Michael Keating

Lee Rowen edits the *Asklepios*, a monthly AIDS support journal. Here she relaxes after a hard day at the lightboard.

## Prof. Rowen Speaks On AIDS

by Ralph Lin

Imagine yourself in a community where 1/80th of the total population is infected with the HIV virus that causes AIDS. How would you relate with the people around you such as those who prepare your meals in a cafeteria or your local grocer?

Professor Lee Rowen posed this thought experiment to her students in Bi23. Bi23 is one of the first two seminar courses on AIDS at Caltech. She is co-teaching with Caltech biologist Michael Cusick. The primary aim of this course is to increase student awareness of the many aspects of the AIDS crisis facing the world today. Topics include the biology of AIDS and philosophical dilemmas raised by HIV infection.

"AIDS will not go away soon. About 1.5 million Americans presently have the HIV virus. Unless something is done to prevent the progression to AIDS in HIV-infected individuals, people will be coming down with AIDS well into the next century, even if no new infections were to occur," said Rowen.

According to Rowen, fear and risk-taking are two problems that people have to wrestle with regarding their attitudes toward the disease. Many people have an irrational fear of AIDS. They misperceive the 'danger' in being around people with the virus. "Un-

less a person engages in activities that transmit HIV, he or she is in no danger of catching AIDS from an HIV carrier. Irrational fear stems in part from a failure to break down the boundary between 'us', those without AIDS, and 'them', the perceived stereotype of a person with AIDS: a gay man or a drug addict."

Part of the problem, said Rowen, lies with AIDS education. She feels that for political reasons the present message fails to be sufficiently graphic about how HIV is transmitted. "Telling a sexually active or drug-using street kid not to exchange bodily fluids does not cut it." AIDS education needs to reach the public in clear, yet accurate, language that everybody can understand.

Going back to the problem of risk-taking and the need to take responsibility, Rowen added, "People don't heed what the pamphlets tell them. People think they have a sixth sense which can tell them which people they meet have the AIDS virus. They don't," she said, "[and so] they still have unprotected sex." According to Rowen, people need to learn how to make a distinction between what is merely fearful (being around an AIDS carrier) and what is really dangerous (having unsafe sex with an AIDS carrier).

"Responsibility lies with the in-

dividual... we can no longer have total sexual freedom... Even with mandatory testing, the government would not be effective in controlling the spread of AIDS."

Rowen felt that the best form of AIDS education is to get to know people with AIDS. This would allow people to see the psychological, biological and sociological effects of the disease for themselves. In this society, we tend to keep illness and death at "arms length." She thought we have a responsibility to become more integrated in these things.

In reply to the question of what Teachers can do to help overcome the AIDS problem presently, she offered several suggestions.

"Participate in community care giving." About helping and getting to know people with HIV infection Rowen said, "It can be an incredible experience. I have never before met such courageous people. I feel extremely privileged to have been accepted and to get to know these people. You can really learn a lot."

On Feb. 13, she will be holding a workshop for all persons who are interested in working on an AIDS helpline and/or who want to get involved with local AIDS work. (You can call Professor Rowen at 356-3612 for info.)

She also said that Teachers need to become part of the solution, instead of the problem. In other

continued on page 2

## Official ASCIT Ballet™

The following is a complete list of ASCIT candidates for the election on Monday, Feb. 8. Statements begin pg. 6.

### Vice President/BOC Chairman

Paul Brewer  
Gabriela Cornejo  
BOC Secretary  
Jerry Hauck  
Quoc Pham  
IHC Chairman  
Dwight Berg  
Steve Farris  
Tim Hochberg  
Thu Le  
ASCIT Secretary  
Jeff Flint  
Chris Hurwitz

### Upperclass Director-at-Large

Kate Loomis  
Marty O'Brien  
Dean Wilber

### Frosh Director-at-Large

Eugene Lit  
David Lofquist  
Dave Park  
Todd Schamberger  
Alex Wein

### Director of Academic Affairs

Richard Reid

### Executive Social Chairman

Tony Wittry  
Activities Chairman  
Paul Amadeo, Christina Garden  
Eric Hassenzahl, Chris Hurwitz  
Ed Nanale

# letters to the editors

## BOC Clarifies Honor Code

To the Editors:

Elections will be held Monday to fill the position of ASCIT Vice President/Board of Control Chairman. The Chairman of the Board is in a position to exert a great deal of influence over the mechanics of the Honor System. We feel that the positions stated in the campaign material of Paul Brewer are misinformed. If instituted, they could cause harm to the Honor System and hence to our lives as members of the Caltech community. For this reason we ask you to consider the following response.

A Board of Control hearing is roughly divided into three parts: determination of guilt, nullification of unfair advantage taken, and protection of the community. The potential Honor System violation is first discussed and either verified or dismissed. If verified, every possible attempt is made to nullify the unfair advantage taken. Finally, a decision must be made as to whether it is possible for the student involved to remain as a member of the community.

Mr. Brewer's first poster pertains to such a hearing process. He states that factors such as the innocence and guilt of the defendant, the effect of the violation upon other members, and an examination of the student's motivation(s) should be considered. We agree in fact, hearings are already conducted along these guidelines.

He also feels, however, that "Whether you would do it again [if] given the chance" is "irrelevant". We disagree vehemently with this position. When deciding whether a student can be trusted to remain in the community under the same personally monitored code of honor

## AIDS, cont.

from page 1

words, it is necessary to overcome our irrational fears and become aware about AIDS as much as possible.

Lastly, "Take responsibility," said Rowen, "Don't get AIDS: we know better. Participate in the political process (e.g. voting wisely) on AIDS' related issues."

Rowen possesses a unique background. In 1977, she graduated from Stanford University with a Ph.D. in biochemistry and subsequently, in 1986, she graduated from Vanderbilt University with a Ph.D. in philosophy.

Presently, she is an instructor in philosophy in the Division of Humanities and is editor of *Asklepios*, a monthly journal published by the Pasadena All Saints Church AIDS Service Center. *Asklepios* contains articles written by people with AIDS.

that we all hold, it is crucial to know whether future violations will occur. The trust placed in the individual is essential to the success of the Honor System.

On his second poster Mr. Brewer proposes a series of amendments to the ASCIT Bylaws. While points "b" through "f" are not unreasonable, we feel that they are already adequately addressed. The beauty of our Honor System is that it can be expressed in one succinct statement, "No one shall take unfair advantage of any member of the Caltech community", rather than a detailed text attempting to cover every possible exigency.

We cannot condone his primary point, that "Witnesses to an honor system violation need not inform the BOC". Our Honor System is a self run and self policing one which can survive only as long as its members uphold and support it. It is not the Board of Control which runs the Honor System; rather, the Board serves the community by maintaining a system which each individual chooses to advocate. The system cannot survive unless it is supported from within.

The present day system is undoubtedly imperfect (what isn't?) and as such is open to improvement. No set of rules, however, can serve as an adequate substitute for mature and reasonable people.

Sincerely,

Ahmed Abd-Allah, Tim Archer  
Chris Chu, Gabriella Cornejo  
Adam Greenblatt, Jerry Hauck  
Lev Nayveldt, Chris Nolle  
Doug Roberts, Andrew Stevens  
Nicole Vogt

## Ballots Swiped In Dabney

To the Editors:

Runoff elections for the offices of ASCIT president and treasurer were last Friday. During lunch, the ballots placed in Dabney House lounge for voting purposes were removed by an unknown person without due cause or explanation.

This is inexcusable conduct. Any one person's right to disapprove of either Dabney House or the ASCIT government and election voting process is superseded in this instance by the rights of ASCIT members to equal representation in the system. To thoughtlessly extend one's personal opinions and prejudices upon others infringes upon their right to an independent decision.

As election chairmen we find this a violation of others' rights, and an unwanted complication in our job. In the future we would appreciate a more mature response from those who disagree with the present system.

Sincerely,

David Phillips  
Nicole Vogt  
ASCIT Election Chairmen

## Caltech - It Isn't Baloney

To the Editors:

As a new graduate student I have noticed an alarming fact. Ever since I arrived not one single person has responded to my question "How do you like Caltech?" with a "It's great" or "I really love it here." I keep hearing: "Caltech is a good place to get a degree and leave as fast as you can," "It's dead. You absolutely must get off campus," "People around here are dull and unfriendly," etc. Of course I don't know how many times The Almighty Ratio has been hacked over and over and over.

I have to admit I almost believed these reports. When you hear something often enough it begins to take on the ring of truth. BUT IT'S BALONEY!! No place or community has an obligation to make me happy. I chose to come here just like everyone else. It is my responsibility to create a place that I love.

I look back on my short time here and realize how quickly I have formed new friendships and the number of people I've met. In my experience, coming from a school of 42,000, sheer numbers is not a sufficient condition for meeting worthwhile people; it is not even necessary.

I just want to warn the next new person I meet who begins to complain to me about not meeting new people that they will find my screaming face yelling "What am I, a cement statue?!!" I like Caltech more and more every day. I hope everyone will join me in this realization or do something to make it better for themselves.

Sincerely,

Drew Bailey  
Grad.

## UG Takeover Wrongs Grads.

To the Editors:

We would like to offer a graduate student perspective on moving undergraduate students into the graduate dorms to relieve their housing shortage. One major problem with this practice is that graduates are being forced into more expensive housing, since the Catalina complexes have much higher rent than the dorms.

A main reason for the high rent is interest payments on the complexes which must be raised each year. Unlike undergraduate housing, the Catalina III complex is being built with money LOANED by the school to the graduate student body at market rates. During Catalina III's first year of operation, we must pay nearly half a million dollars in interest on our loan. As a result, our rent is artificially inflated. The dorms are already paid for and are therefore the only inexpensive graduate housing on campus.

Although we understand the undergraduate problem, taking over Marks and Braun is damaging to the graduate housing situation and we'd like this fact to be recognized.

Sincerely,

Erica Harvey, Bob Sweeney  
Grads, Chem  
Ann Heil  
Grad, ChemE

## Sperm Donors Forget Morals

To the Editors:

Each time I see the "donate sperm" ad I have a sickening feeling go through my body.

I know this business is alive and well in Los Angeles, and I know people make money at it (participants & business) however have you geniuses who participate in it considered the moral (or lack of) implications of it?

Next time you get ready to make that "chump" change consider the fact that your daughter could marry her brother, or give birth to her brother, or is it your son?

Sincerely,

Tanya Massey  
Staff

## Caltech Lacks Late Caffeine

To the Editors:

Here I sit among computer scientists animating space shuttles and EE's building brain parts. I am in the Chipmunk lab. It may be no surprise as I am Texing this letter to the *Tech*. However, the real reason I am here is best expressed by the French, CAFE!

This evening I went to the new and improved *Coffeehouse* in Omaha, NE. To my horror, I found that the coffee machine was broken! No attempts had been made to buzz the masses who need their caffeine.

I, of course, made a scene. The general response was that the coffeehouse never had been a place for coffee; it was a place for shakes. But, I got immediate agreement from the rambling herd present that in its new and improved incarnation, the coffeehouse was worth no more than its name.

What happened to the smelly couches of yesteryear, the CASEY JONES song, Trains? In this new age of neon and plastic, the old

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Coffeehouse was a comfort and inspiration to us all.

So where does that leave me? I went to Ricketts lounge. I screamed. People made many suggestions of alternative Java sources:

1. Red Door Cafe.
2. Baxter.
3. Second Floor Jorgenson.
4. Steal (the building behind Booth),

None of these were viable. The Red Door is closed at night, Baxter serves capitalist coffee, I do not have a Jorgensen stairwell key and I do not do Steele.

So here I sit drinking coffee from the machine in Jorgensen-coffee that does not grow hair on your chest, but in it.

Sincerely,

Randall D. Kamien  
Caffiend

## THE CALIFORNIA TECH

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## Admissions, cont.

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loner."

Jill Hockwald made an interesting comment in this regard: in general, students who have done well in high school in their humanities class as well as their math and science classes tend to do better at Caltech than those who focus only on math and science. She suggested a few possible reasons as to why this should be so. One was that students who do well in humanities are able to take their minds off of their science and engineering courses, and so are less likely to "burn out." Another was that these

students are willing to put effort in all their classes, not just those which they find most interesting at the time.

Scores on standardized tests, popularly known as the "boards", are also taken into account by the committee. They are not, however, as important as the first criterion (high GPA and class rank). A threshold number is assigned to the combined Achievement and SAT verbal scores. Although the threshold combined verbal board score has remained the same, there has been debate as to the wisdom of this. For example, there is a question of whether foreign students who do poorly on the verbal test but have outstanding ability can succeed at Caltech.

## Quasars, cont.

from page 1

wavelengths, indicating a total mass of molecular gas in the colliding galaxy system about 60 billion times the mass of the sun, or approximately 20 times the molecular gas content of the entire Milky Way galaxy. Observations with the high-resolution interferometer at Caltech's Owens Valley Radio Observatory have shown that the molecular gas in similar galaxies is highly concentrated in the central 1,000 light years of the galaxy.

Theorists have long suspected that quasars could be triggered by galactic collisions. When two galaxies collide, the giant tides raised in the galaxies can deposit huge amounts of material into the galaxies' common center. As this material funnels into the black hole it emits large quantities of energy—the quasar.

By studying IRAS 14348-1447 and the other infrared quasars, the Caltech researchers have developed a scenario that may explain much of the evolutionary sequence of quasars. In this scenario, the triggering event is a collision between two galaxies. It is believed that the large quantities of interstellar gas will lead directly to

a massive burst of star formation in the galactic nucleus. This could be related to the buildup of a supermassive black hole at the center of the merger galaxy. Quasars in this early stage are enshrouded by dust that blocks their light, preventing it from reaching us. As time goes by, the dust absorbs more and more of the quasar's radiation, and eventually begins re-radiating this energy at infrared wavelengths. Astronomers observe this stage of evolution as infrared quasars like IRAS 14348-1447.

But quasar formation is not the only event occurring in the chaotic environment of colliding galaxies. When large molecular gas clouds come together there is a massive outpouring of star formation known as a starburst. The pressure of stellar winds from these newly formed stars combines with supernovae explosions of other stars and radiation pressure from the quasar to disperse the dust shroud, eventually revealing the quasar in all its glory. Theorists believe that quasars ultimately exhaust their fuel and burn out.

"If you think of infrared quasars like IRAS 14348-1447 as young children, then typical optical quasars would be mature adults," says Sanders "We are now actively engaged in a search for 'adolescent' quasars, which would fill in the evolutionary picture."

Teacher recommendations and committee member interviews are intended to augment the information provided by the above criteria. The recommendation or interview may, however, be a deciding factor in some cases in which the information from the recommendation contrasts with that from the GPA and board scores (e.g., a very negative recommendation about a student who did fairly well in terms of GPA and standardized tests). Verbal recommendations are given somewhat more credence than written ones, since the student is allowed (by law) to see the written recommendations.

The committee also considers the applicant's potential to make positive contributions to life at Caltech when making a decision, although this factor is not as important as the first three. Some examples of positive factors which fit under this criterion are given: "ethnicity, technical experience, entrepreneurship, political involvement and skill, unusual musical, acting or athletic ability, cultural heritage, or travel experiences."

If, however, the student does not make clear his interest in science or engineering, this is a negative factor in the eyes of the committee. Without the strong

desire to *do* science or engineering—because that is what one wants to do, not because that is a very good way to earn money—one has a lesser chance of surviving the rigors of Caltech's curriculum.

Finally, a poorly written essay will count against the student. The ability to write well is needed to succeed both at Caltech and as a scientist or engineer in general.

To help the committee apply the criteria to each candidate, the information on all the applicants was computerized. First the GPA of each applicant was transformed into two numbers from 1 to 9, e.g. 9/8, representing GPA in math and science courses and in humanities courses respectively.

The next step, which is being done now, is to calculate the Schaefer index for each candidate. The Schaefer index was conceived by Dr. Bill Schaefer, Assistant Director of Admissions from 1968 to 1973, as a method for quantifying all the composite information on the student, and is on a scale from 200 to 800 like SAT scores.

A threshold index for each geographic region, or territory, will then be calculated. This index will be based on the number of applicants from the territory and the desired size of the freshman class.

After the computer has calculated all this information, the first reading of applications will begin. This reading will be done by the two Admissions Office staff members and several faculty with experience on the admissions committee. Any applications for which the decision is very clear will be noted, and each application will receive a "personal rating," or a preliminary indication of the quality of the application.

From this point, the interviews are done. In next week's *Tech*, look for a follow-up on this topic.

## California Tech Meeting Today

The staff of the *California Tech* will meet this afternoon in room 127 of Baxter Hall at 12:15PM.

All persons interested in writing, are encouraged to attend.

## entertainment

### October, Alexander Nevsky

## Soviet Films Introduce Montage

by Drew Bailey

Sergei Eisenstein was one of the most influential directors and theoreticians in film history. In the next two weeks, the Caltech community will have the opportunity to see two of Eisenstein's films: *October (Ten Days That Shook the World)* and *Alexander Nevsky*.

Eisenstein was a social revolutionary. By the early 1920's when he was working in the new Proletkult Theater in Moscow, he had built bridges for the Red Army and worked as a poster artist on an agit-train educating the rural masses. He was soon to revolutionize film editing and catapult Soviet cinema into the forefront of the international film scene.

Film was still a relatively new art and continuity editing had only been "perfected by D.W. Griffith" in *Birth of a Nation* in 1915. Continuity editing is a style in which shots are edited together to convey "real" spatial relationships and provide the necessary narrative information to the viewer. In 1925 in *The Battleship Potemkin*, Eisenstein introduced the world to a completely new editing technique called montage.

In montage shots are not necessarily related spatially or narratively. Images are juxtaposed for visual and emotional response. In a

properly edited montage sequence, Eisenstein would argue that the viewer integrates the narratively and spatially disconnected images into the coherent feeling or concept "verified and mathematically calculated" by the editor.

Eisenstein's work is an excellent example of the avant-garde of yesterday becoming the conventional of today. At the time, montage was heralded as a radically new addition to cinematic expression. Today these "scientifically determined responses" are put to use everyday in commercials that advertise things from Coke to Levi's 501 jeans.

*October* was Eisenstein's most ambitious experiment with montage. Its narrative is based on the events in Petrograd from February to the revolution in October, 1917. It contains montage comments on almost every aspect of the revolution. For instance, Kerensky is compared to a mechanical peacock and his militia to tin soldiers by simple cutting between images.

When it was released in 1928, it was met with harsh criticism as being overly intellectual and excessively formalistic. These criticisms would be used against him repeatedly in the next ten years. Due to his threatening example of artistic independence and personal con-

flicts with Stalin's commissar of information, Eisenstein suffered politically sanctioned slander, humiliation, and, worst of all, artistic censorship.

It was not until 1937, with a new commissar, that Eisenstein received another opportunity to complete a film. His artistic stature was once again officially recognized and he was given a large budget project which resulted in the epic *Alexander Nevsky*.

*Alexander Nevsky* is the story of that great Slavic hero of the thirteenth century. Prince Nevsky of Novgorod led the Russians to victory over invading Teutonic knights. An appropriately patriotic film designed to prepare the Russian people for the impending war with the Nazis.

Eisenstein referred to *Alexander Nevsky* as a "fugue on a theme of patriotism." It is more lush and operatic than his earlier films. The stylized costumes were also Eisenstein's creation. Each frame is carefully and pictorially composed.

The Russians are always shown as being disordered, but vital, while the knights are rigidly regimented and oppressive. The most impressive section of the film is the Battle on the Ice sequence. Actually shot in mid-summer with fake snow, it is a brilliant battle.

During his forced absence from the screen, sound film had been introduced. *Alexander Nevsky* became Eisenstein's first sound film. He used the score by Sergei Prokofiev to begin his investigation of contrapuntal sound and image. The score is sometimes complimentary and sometimes conflicting with the visual and emotional tempo on the screen.

Don't let these unique opportunities pass by. Go and see Eisenstein for yourself. *Alexander Nevsky* will be shown Saturday, February 6 at 7:00 and 9:30 pm. *October (Ten Days That Shook the World)* will be shown at 7:30 pm on Wednesday, February 17. All screenings will be in Baxter Lecture Hall.

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# The Inside World

**Blacker1:** From afar, a crash, a mighty roar, the pitter patter of hundreds of tiny feet spanking the ground to the resonant frequency of, say, Tunnel. A big black spot, somewhat resembling of an ink blot, looms on the horizon. Their chant enters a crescendo, becoming more discernible with each passing second.

**SUPER GLOMMING MAN, SUPER GLOMMING MAN, YOU'RE INTERESTING AS LUMBER ...**

"The bile grows bitter in my throat." Not that I enjoy paraphrasing Reagan or anything, but just because a proposed Ath Team has some girls on it is no reason to vote it down. Yes, the era of the hormone election appears to be over, though somehow it doesn't reflect well on a hovse that can field an all-frosh-girls table. Blacker Hovse just won't be the same this year. Editorial comment out of the way, I leave it up to you to delegate the REAL authority in Blacker Hovse.

**Five or six bases behind**

- Mike McDonald
- No

**Oh God, not another damn frosh**

- Miguel McDonald
- Miguel & Doug Cheney
- No

**Least likely to be nominated for anything at all**

- Mark Berman
- Some Oriental
- No

**Stupidest -or nomination**

- Shorts of Power—Evil Official Uniform of the Blacker Penultimate Team
- Elector—Evil Master of Stupid Ath Team Elections
- Matt Tylor—Evil Paraplegic Red Haired Frosh From Hell
- Dave Kridor—Evil Master of those who believe that Moby Dick is a venereal disease
- Waitor—Evil Master of all that is leftover, undercooked, or damaging to your hair
- Glenn Eychanor—Evil Master of SPECTRE Spazzes (on same ticket with Rob Spinolio for Hovse Target of the *Let's Nuke SPECTRE Society*)
- No Mor

Also look for the Hovse Tanning Reference, Hovse Chad, Hovse Fuzzy-Wuzzy Frosh, and nojffflintsamweaverandthestupidcat to snatch key positions in the Blacker hierarchy.

I've been told that Rob and Miguel have something to say, though for some reason I doubt it.

—Odds are I'll be back again next week

**Blacker2:** Terrorism runs rampant in Blacker. First there was the waiting staff, and they were feared by all. Then, the legendary (in their own minds) Freshman Liberation Organization (FLO) appeared. They were feared by none. The heroic Organization for Liberty and Fraternity (OLF) came onto the scene. Forcing upperclassmen to play Scupa, soon at least three people had heard of them. The Blacker Severe Squad (BS Squad) has struck as well, and they know who they are. In response to their ousting from power, some of the amazonian women of Blacker have formed the Association for the Repression of Men (ARM). The famed Black Hand has remained in hiding for some time, but they are believed to still be active. All of the law-abiding citizens who fear to step outside our door have one recourse: counter-attack. You law abiding scum know who you are.

The Blacker Ultimate team finished its season.

Blacker awaits the first children to be born into Blacker: which will be first? A child born unto Jay & Marcie, or a football born unto Sammy? Anyway, first there was Blacker, then there was light.

—Satan and His Evil Twin

\*\*\* Newsflash \*\*\*

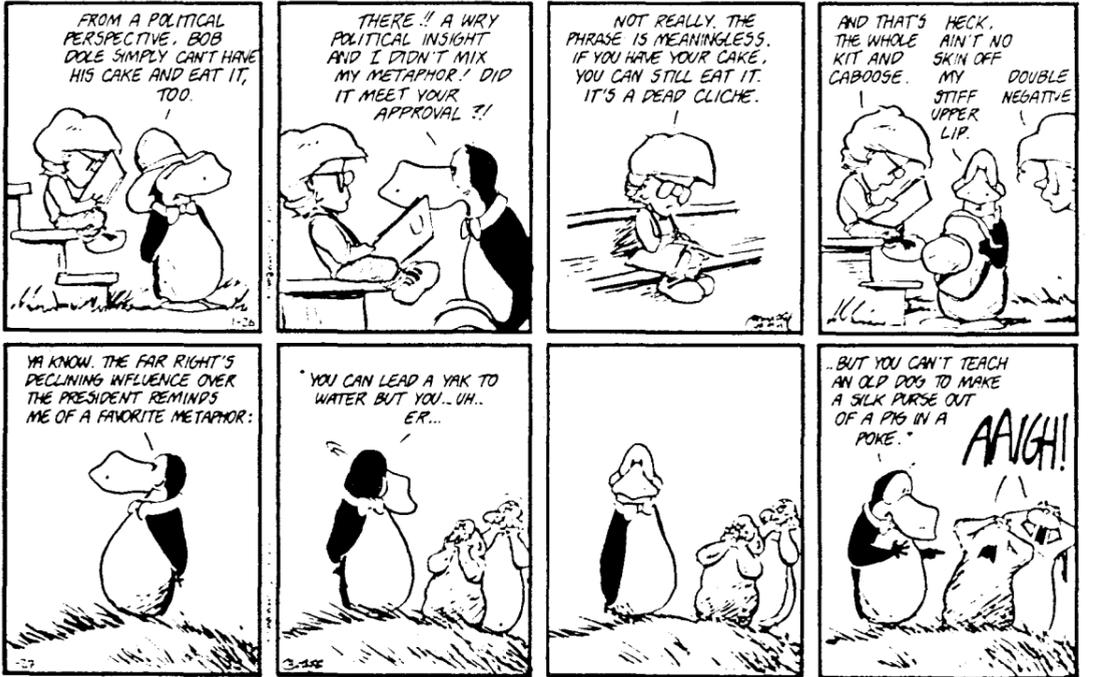
To the sound of "Yoohoo, Brad", a new radical terrorist group made itself known. The Organization of Frosh Ladies (*Ladies? Where?*) (OFL) is dedicated to getting wet and terrorizing unsuspecting Bradmales. As of yet, this new menace has only been sighted in the dining room, a target of their retaliating victims.

**Dabney1:** This is your captain: We are currently cruising at a height of 66 units. The tower has informed us of turbulence ahead, so please remain seated and be prepared for a rapid descent. If you look to the front of the cabin, a flight attendant will be demonstrating the proper use of the yellow safety card. As always, the red "no flaming" light will remain lit until we are safely through midterms. Thank you and have a safe journey.

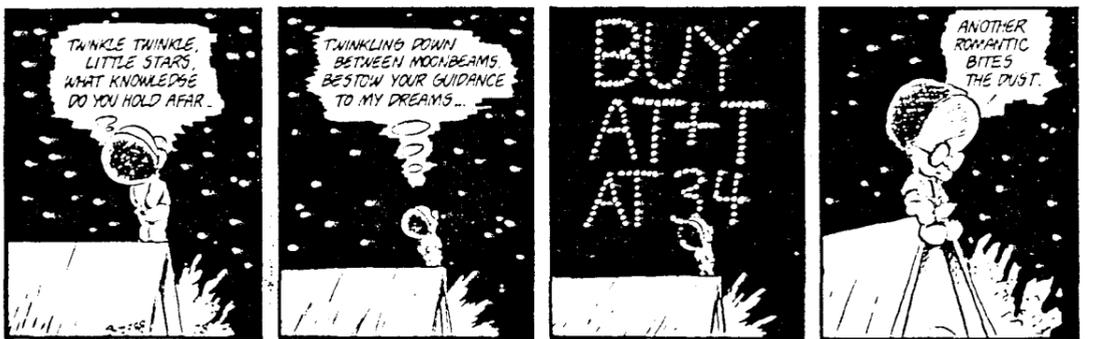
—Norman de Plume

**Dabney2:** Flaming Undergraduate Consumes Kevin's Yellow Old Underwear... And Lives!!! Details at eleven. By the way, Kevin, if you are reading this then you are NOT spending your time productively. The Olympics are rapidly approaching, and record breaking fever has gripped Dabney House. A number of longstanding house records have recently been shattered:

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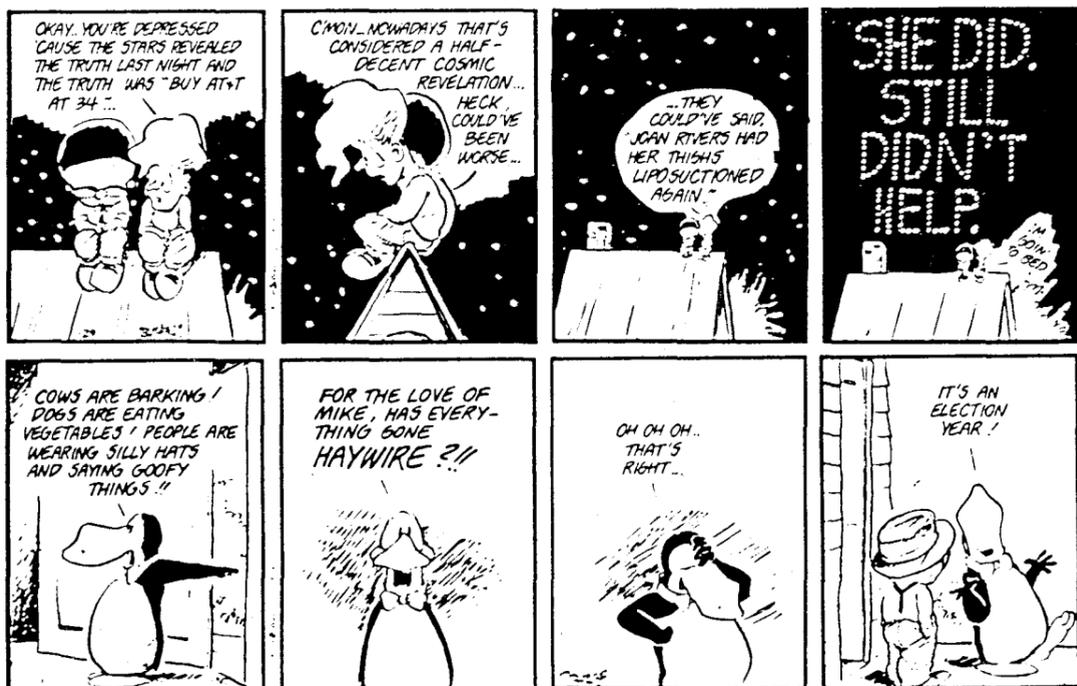
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**MIT LINCOLN LABORATORY**

from page 4



by Berke Breathed



# More Inside World

from page 4

**Labyrinth:** Rahul Mahajan recently set a new house record when he racked up 197 points on the house Labyrinth game. During this record setting round, Mahajan broke both the previous record of 190 and the game itself. Use of anabolic steroids is suspected. The result of the urinalysis will be made public on Monday.

**Announcements:** Al Petterson set a new house record on Tuesday when he stood up at dinner and announced, "Seniors are wimps, and Ditch Day is tomorrow." This was Al's 867th consecutive dinner announcement. Al's streak began early freshman year when he stood up and announced, "Seniors are wimps, and Ditch Day is four years from tomorrow." The previous record of 866 consecutive announcements was set in 1945, when Capt. James Tinker III announced, "Dismissed!", following dinner. When asked to comment on his success, Al replied, "I have TWO comments..."

**Endurance:** They said it couldn't be done, but on Sunday, Paul Rubinov broke the Dabney House endurance record. The previous record was held by the former Dabney House courtyard. In his record breaking feat, Paul was run over by two steam rollers, dipped in a vat of concentrated sulfuric acid, dropped from the roof of Millikan, and finally forced to listen to Jerome reading the past 35 Dabney Inside Worlds. Although Paul started to show signs of anguish during the final leg of the event, he emerged totally unscathed.

While many records have fallen by the wayside during the past week, it should be noted that several records have yet to be broken:

**Sam Saying:** Between October 1985 and June 1986, Donald E. Finnell is officially listed as repeating the word "Sam" 456,897 times. This is, however, only the official number. Unofficial figures reach into the millions.

**Goldstein Losing:** The Dabney House record for Goldstein losing is held by Kevin T. Nelson. Kevin, at last count, had lost his copy of *Classical Mechanics*, by Herbert Goldstein, a total of 23 times. Mark Foxwell, who has lost his Goldstein 14 times, hopes to overtake Kevin by the end of second term. It should be noted that Kevin has O positive blood.

**BAD:** One record which has, unfortunately, not yet been broken is Stanley Chen's copy of *BAD*, by Michael Jackson. A number of contenders from alley 5 hope to break this record by the end of the term. Good luck!

**Butter Throwing and Sticking:** The Dabney House record for throwing butter pads at the ceiling is held by Brian Lemoff. Lemoff got 117 consecutive butter pads to stick to the ceiling of the Dabney House dining room. With the current Housing office policy, anyone hoping to break this record will have to first come up with \$11,800.00.

There are countless other house records waiting to be broken, but there is not sufficient room here to describe them in detail. These include: Weenie eating, Rain sitting, Roommate backstabbing, Library fencing, Don punching, Paul punching, BOC mocking, and juggling 4 bags in the library. So, to all of you who dream of going for the gold, good luck!

-Spam

**Fleming:** *Fleming Inside World-Special Election Issue*  
I don't know if I can do anything to top last week's RED inside world, but I'll try. Elections were Wednesday so either the Fascist Union of Collected Krishnas, Yuppies and Organized Unitarians took power, or they didn't. Alley Five either assumed its rightful place as ruler of all Time, Space and Dimension, (or Fleming House, anyway.), or it didn't. Oh well, there's always a coup d'etat. Fleet-Footed Fantastic Flems Flashed Fearlessly For First. i.e. Inter-House Track was this week.

Kent's band learned a new song. They now know forty-four songs, twenty of which are variations on Louie Louie. Kent and I got drunk on Evil Tahitian Death Jello™ the night of elections. Hey, guess what? Sue and Daniels broke up! What a Soo-prize. Which reminds me, we couldn't think of anything unseemly to say about Linda this week, except for a low crack about pedophilia, so we just decided to skip it this week.

The last EE32 assignment sucked large, hairy, bricks. Just thought you'd like to know. I haven't had stomach flu recently so Kent is able to sleep afternoons. Bleah! Retch! (I don't think I've ever had such an obnoxious interruption of my blissful slumber in my entire life. Except for last year when I lived next to Steve Bard, but I digress... -Y.F.)

The Tech Editors asked me to keep the Fleming Inside World short this week, so lets close with Bold N' Spicy a recipe from the Fleming Bachelor Gourmet.

**Recipe for Evil Tahitian Death Jello™:**

- 1 Bottle Dark Rum
- 2 packages Jello™ brand Diet-Pineapple Jello with NutraSweet™
- 4 cups boiling water.

**Directions:** Mix two cups of water and one of the packages of Jello™ in a Fleming mug. Stir until Jello™ is dissolved. Add half of the bottle of rum. Chill in refrigerator until house meeting or elections. Makes two servings (one serving=1 mugful, or 28 oz.)

Stay tuned for further information in upcoming Inside Worlds other varieties of Evil Jello™.

-NeanderFlem & Young Fansome

P.S. For those of you who care, Woolverton writes the Fleming Inside World, while me and Kent write the Bold N' Spicy Fleming Inside World: the louder and funnier version.

**Lloyd:** Superpool came and went with Haba retiring on his winnings, and the Gieze considering wild schemes to market Spin's Beatles-playing program (Gieze-ball has more potential, I think!). Elections were successful, if a little messier than usual with coy Capillary much desired but never attained. What can we expect from the new electees? Here are some hints:

**Pres. Dave Jettner** - Will ask the Lloyd family to change their name to "Inferno" to make his house label change more palatable to housing. Will commission Dokken to compose a heavy metal house anthem, and make yellow denim Lloyd jackets available to members. Plans to have Searcy install advanced wall-blasters macro speakers that will also accomplish room ventilation. Expects to have dispelled all doubts about a sagging macho image by sleeping on ceramic tile.

**VP Paul Searcy** - Lloyd's own party outdoorsman guy will start the wheels moving on a relocation of the house to a mountaintop, in case building a mountain proves too expensive. This could minimize ski trip expenses. Also closed circuit TV cameras, a van-based mobile unit, and a master video control room will capture all the house action, making yearbook a snap and making possible "Week in Review" and "Lloyd Bloopers" shows.

**Sec. Phil Lin** - Renowned Oriental Mobster Kingpin merely picks up another cover and front for his unspeakable underworld activities. Just make sure you don't cross him.

**Treasurer Dave Townsend** - Vows never to sleep in trying to manage Lloyd financing. One of the more feasible plans, as DT will certainly be awake.

continued on page 8

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# ASCIT Elections Statements Statements

## Vice-President

### Paul Brewer

There are two things your ASCIT Vice-President does. One is to work with the president, and the rest of the BOD, to decide what to do with your money. The other is to deal with vice, i.e. the BOC and the various people who wind up there, either as reps, witnesses or defendants.

**MONEY.** An ASCIT surplus—what should be done with it? Well, a new van could be bought, that would get rid of the money fast. As a member of the Caltech Y, I think that would be a very bad idea. If ASCIT had a program, say like a trip to Reno or Mammoth, it could get vehicles from motor pool by co-sponsoring the trip with the Y and getting the Y to rent the vehicles from Caltech. The new van is supposed to be about \$10-\$15 K. A cheaper way of providing transportation to events, without going through the Y, would be to pay people to drive students to events. How many times could I pay \$30 to people with cars to fill their cars and go somewhere before I spent \$10,000? Quite a few times, one would imagine.

Similarly, it might be a bad idea to give all that money to clubs. The BEST thing to do would be to take the money and do exactly what the Caltech Y does—put together and/or sponsor programs. What is a program? It can be a trip to the beach, a picnic in the mountains, or even a party on a cruise ship (this could be done for about \$30/person, if at least 100 go). When people say Caltech sucks, they really mean they are bored to death. Putting the money into a "program budget" and passing it on to anyone with a good, fun idea would greatly improve the variety of social events. It's often appeared to me that ASCIT always wanted to be too "responsible" and "businesslike" in their funding system. That's why people get told things like WAIT TILL THE BUDGET MEETING. The Surplus would be a great way to try out a new system of funding, and one that has already worked great for the Y for many years.

Now with the BOC we need to move the other direction and become more businesslike. As defined in the By-Laws, the BOC can do anything it damn well pleases. This can be a bad thing, as a person's attitude can overly affect the outcome of their case. A student last year was almost expelled for "things he might do in the future." What do you do if a person tells you the BOC is full of crap when he's been accused of something? You could sit there and drill him on every possible aspect of the honor system, noting his "mistakes." I WON'T SIT BACK AND LET THIS HAPPEN TO YOU. While the BOC Chairman does not have a vote, he does preside at the meetings. My interpretation of this will be that I can draw up agendas and procedures for the meetings, and shut-up BOC reps who start abusing witnesses or defendants with matters irrelevant to the particular case being heard. I will also push to amend the ASCIT By-Laws to include a list of rights (currently you have some in practice and none in writing—everything is at the mercy of the current BOC).

What else could a BOC chairman do? He can make the honor system work for you instead of against you—by attempting to resolve those areas in which facul-

ty and staff ignore the honor code. There are always a few profs—not many—out there who want to give in-class exams or something similar like that. Another would be to have an anonymous question & answer column in the *Tech*—"Ask The BOC", so that people know how the honor system is being interpreted before finding out the hard way. And last, but certainly not least, he can advise people to seek a different means of resolving problems than BOCing someone.

If you like my ideas, please vote for me next Monday. Thanks.

## Gabriela Cornejo

As a current member of the Board, I often wonder why it is that so many people think of the Board of Control as a sort of "Honor Police." Police set out to punish people for violations. The purpose of the Board is to nullify advantages taken; it doesn't set out to punish. From the time it was conceived, the intent of the Board has been to ensure that we can all feel comfortable living and working at Caltech. Nevertheless, sinister connotations have developed which I feel are detrimental to our atmosphere of freedom and trust, as well as the functioning of the Board itself. Much of what frightens people about the BOC, however, is based on misinformation. I realize that there have been events in the past which have caused apprehensions about the conduct and intentions of the Board. These fears cannot be alleviated if the BOC continues to be a mysterious Big Brother figure in the minds of many undergraduates. I'm running for the office of BOC Chairman/ASCIT Vice President because I would like to see this stigma lifted. To this end, increasing the rapport between members of the Board and other students would be my goal.

A very important first impression about the BOC and the honor system is formed at frosh camp. I would like to change this yearly presentation in two important ways:

- 1: Renew the use of case studies to help Upperclass Counselors conduct their small group discussions.
- 2: Make the entire presentation more interactive between the freshmen and the Chairman or Secretary.

In this way, it may be clearer from the very beginning that the BOC is not a police system, but a group set up by students to administer an honor code which they value.

All the members of the Board should have a clear idea about the purpose of their work and the effects of their decisions. Presently the BOC only meets when it has a case to consider. I would like to see the BOC meet on a regular basis, apart from just their case meetings. This would help the BOC run more smoothly in a number of important ways:

1. Case studies can be gone over, providing an interim time for new members to become acquainted with the procedures and aims of the board *before* they sit on their first case.
2. The various house reps can decide on a consistent set of guidelines for running their frosh BOC talks.
3. Issues and questions concerning the honor system which Board members come up against can be discussed at a time with no other pressing business.

By providing ways for the Board to be more self-consistent

and for the student body to be more in touch with it, I hope to see some of the misgivings about the BOC put to rest.

Let me mention, lastly, a few words about the concurrent position of ASCIT Vice President. This aspect of the job requires helping the ASCIT President and being a voting member of the BOD. My past experience as Vice President of Ricketts house and some participation in the IHC make me certain that I can execute the duties of V.P. without great difficulty. It is the office of Chairman of the BOC which specifically requires experience on the Board. I have this experience, having been Ricketts house representative for the past year. I am eager to effect the changes which I believe will benefit the Board and student body if you will put me in the position to do so.

## BOC Secretary

### Jerry Hauck

As a Board of Control Representative at Large, I realize how important the Honor System is for maintaining a society in which different members of the Caltech community can coexist. The freedoms provided by the Honor System enable us to concentrate on our learning experience without worrying about the formalities found in societies without an Honor System. My experience on the BOC has also made me aware of how important a well functioning Board is in preserving our community. Without strong leadership and a definite direction, the Board suffers many unfortunate misconceptions; consequently, the effectiveness of our Honor System also suffers. I feel that the BOC Secretary becomes an important part of the Board leadership by working with the Chairman as a team. I am running for Board of Control Secretary in hopes of utilizing my experience in improving the procedures of the Board.

The Secretary's duties entail far more than the recording of meeting proceedings. Together with the Chairman, the Secretary handles a major portion of the research conducted when an Honor System violation is brought to the attention of the BOC. The information collected must be complete and thoroughly studied PRIOR to its presentation to the full Board. Experience is an invaluable tool in this process, as the Secretary must include every detail that may clarify any misunderstandings, thereby protecting the community from uninformed decisions. The Secretary and the Chairman may also make decisions that increase support for the Honor System. These decisions include: the construction of abstracts for the community to examine AND question; the preparation of the Frosh Camp Honor System presentation; the delivery of BOC talks for entering students; and the representation of the Board to the faculty, administration, and students. The Secretary makes his experience available to the Board for use in decision making. Past knowledge can often aid in reaching crucial decisions.

In conclusion, my goals as BOC Secretary are two-fold:

- 1) To use my knowledge and experience to smooth the operation of the Board, guaranteeing fairness to the community without compromising the ideals of the Honor System
- 2) To improve the community's

perception and support of the BOC and the Honor System by removing the misconceptions and misgivings which may have formed.

I intend to fulfill these duties in a responsible fashion, and to help maintain our freedoms and rights at Caltech.

## Quoc Pham

Howdy y'all

...and if I'm elected, there'll be an A on every final, a beer in every hand, and so on...

Now that I've turned y'all's heads, the name is Quoc Pham and I am arunnin' ta be y'all's BOC Secretary. Yeah, I know what y'all're thinking: "he's a sadist and he ain't even from California. Heck, he cain't even spell." I'm tellin' y'all right now that that just ain't true. I got me a decent education from Texas and that's ain't all. I cain operate one a them typewriters too, 'cause that's what they teach secretaries in Texas. Anyway, I looked at the *Lit'l T* ta see what all the officers do, and guess what it says about them BOC Secretaries: "They just do what their told ta do, and they don't even get ta vote." Hallelujah brother! This is just the perfect job for me, 'cause I'm good at followin' orders but ain't too good at votin'. Bein' one a them minorities from the South and all, I just never got ta vote 'cause Pa says that its just costs too much. And also, last I looked there's just one guy arunnin' for BOC Sec. Now that's as undemocratic and un-American as Daihatsu. Me, a red-blooded American (nature-ralized in 1987—thought it was kinda neat, got sworn in by a judge and all), feels that it is mah sworn duty to defend the Constitution, and so I put down mah name and went arunning. Anyway, you just cain't go arunning without puttin' up come campaign promises, 'cause that's traditional. And you cain't go apromisin' everybody things they don't want. So up at the top are mah promises, 'cause I want those things and figures y'all would too, and don't y'all go around sayin' I ain't got mah priority straight either. I listed them in that order only 'cause they sounded good like that. If y'all elected me, I'd start right at the bottom and work up, ya get me. None of y'all will get no beer before y'all get it, 'cause its just too damn dangerous to operate heavy machinery when y'all are drunk, and I know that from mah own personal experience. And its no good getting no A if y'all got nothing and nobody to celebrate it with. Anyway, I think I overstayed mah welcome, so I'll be perfectly honest with y'all. I'm arunning fer BOC Sec. 'cause I like y'all and I wanta help y'all out, me bein' soft hearted and nayborly and all. I'd stick around and chat some more but I've got mah phyzz quiz ta do, it bein' due tomorrow and all. So vote fer me, Quoc Pham, fer BOC Sec., OK? I'd really be appreciated. Y'all take it easy now.

And a word a warnin' ta all ya nosy jernalisem folks. Don't y'all go around mah place asnoozin' fer no reason, 'cause I ain't like that Mr. Hart character, ya hear. And if y'all change just a single letter from mah statement ta mah constituency, I'd sue y'all for libel from here ta Kingdom come. Now git on y'all's horsies and get mah statement printed.

## Interhouse Committee Chairman

### Dwight Berg

I am running for the office of IHC Chairman because I feel it is an important office which affects student life at Caltech, and because I feel I am the best person for the job.

The IHC Chairman is basically a mediator who helps work out problems between the student houses and between students and the administration. I am qualified to serve as IHC Chairman in all of these aspects. I have been to frosh picks and know the system used to distribute the pre-frosh, so I will be able to smoothly run this process. I also am excellent at finding solutions to complaints about interhouse sports and RF's. I know students in all of the houses and as a nonvoting member can help the IHC make an unbiased opinion that will be accepted by all students. I also have some suggestions for interhouse and discobolus sports such as allowing only undergraduates to participate, scheduling more nighttime games so that more athletes will have a chance to participate, and setting up a schedule for refereeing Discobolus matches where the next challenging house would be responsible for refereeing the games.

While all of these reforms may not be necessary, or could be easily placed without my being IHC Chairman, I think that they are excellent examples of the ideas I can find to help solve and avoid unnecessary conflicts between houses and make life at Caltech more enjoyable.

Another important job of the IHC Chairman is dealing with the administration. I have frequently talked with Bob Oliver and the deans concerning many different things. I feel at ease with them, and would easily be able to confront them with any ideas or problems of the student body.

If you have any questions or would like to talk with me personally, please call me at 356-9111. Thank you for taking the time to read this statement and when you vote on Monday please consider Dwight Berg for IHC Chairman.

## Steve Farris

Do you want your House President to be trodden into the dirt? Don't laugh: the spiteful cancer of bias exists at Caltech just as surely as it exists everywhere else in the world. *Your* interests are affected by the decisions of the Interhouse Committee (IHC), and your House President is your only means of affecting these decisions. Every House deserves to have its spokesperson recognized; further, no House's opinion is better than that of any other House.

We have all by now heard such traditional catch-phrases as "Dabney Eats It" and "Fleming Eats It Faster." Of course, we realize that these are simply holdovers from the days when Food was Trash (it seems as though we have come full circle on that one...?), and so we understand that Dabney and Fleming truly love each other as brothers. Truly. BUT, even the *tinist* bit of this sort of sentiment has *no place* in the IHC or in its decisions. It is the IHC Chairman's duty to ensure that biases and loyalties between any two houses or group of houses do not play any part in the decisions that the committee hands down.

An alumnus once described the House President as "the focal point for s--t." The IHC Chairman is this focal point seven times over. The Chairman must be willing and able to convert an atmosphere of emotionalism and subjectivity into a productive forum for meaningful debate. Put simply, he must change crap into conversation. Closed minds will serve none of you. God knows we are all reasonable people here at Tech, but the potential for foot-in-mouth, water on the brain, and related disorders is great.

Why do you care what the IHC does? Why do you care who the

continued on page 7

from page 6

IHC Chairman is? The IHC has several non-trivial duties which it must perform. If these functions are not performed well, or if bias creeps into Committee decisions, the undergraduate student body will be adversely affected. The Chairman must guide the committee towards fair and equitable resolutions. The IHC is charged with the following tasks:

1: to oversee Rotation by setting forth rules of conduct and by prosecuting violations of these rules;

2: to determine solutions to the problems that face the student Houses;

3: to represent the student Houses to the Caltech Administration.

The third of these tasks specifically refers to the Chairman of the Committee. He must often personally represent the IHC. In addition, the IHC Chairman is a voting member of the ASCIT Board of Directors. This means that the Chairman must also understand ASCIT issues.

If elected, I will be a strong force for unbiased representation of your house. Prejudice sucks, and I will not stand for idiotic sentiments of superiority on the part of any house or group of houses. Thank you for reading my statement, and I will appreciate your support in Monday's elections.

### Tim Hochberg

Hi, my name is Tim Hochberg and I'm running for IHC Chairman. Let's face it, the job of IHC Chairman doesn't deal with ISSUES, that's what ASCIT's for (Cough!). The IHC Chairman must deal with situations as they arise. Here, in my opinion, are the qualifications for the job:

1: The ability to deal with, without strangling, all types of house presidents.

2: The tact to represent the wholesome undergrad houses to the evil empire of the administration.

3: The ability to leap tall buildings in a single bound.

My experience in this area is: 1: A year as Blacker House secretary dealing with our own president.

2: A summer playing substitute president while Bibi was off surfing at Corona del Mar.

I believe I am well qualified for this position, and would appreciate your vote on Monday.

### Thu Le

Yes, I am running again, and this time is for the position of the IHC Chairman. I am running because I would like to remain active on the ASCIT BOD and to see that the IHC will sail through another peaceful yet productive year.

One of the most important aspect of the campus life at Caltech are the 7 Houses, each with its own distinct characters and interests. The Inter-House Committee is thus an effort to bring the Houses together and to establish guidelines for the Houses to follow during their athletic and social activities. The IHC is responsible for smoothing out conflicts between the houses as well as clashes between the students and the Institute. It therefore is a very important committee, and chairing the committee is not a trivial job. I believe that I can do the job well because I possess the commitments and the responsibilities required of an IHC chairman. My experience on the last ASCIT BOD as the Treasurer and my service as well as various administrative branches on campus. With a lot of sincere dedication and enthusiasm, and with your help, I believe I can carry the IHC through another successful year.

In the past year, there have been alarming crisis on a rapid lag in student's morale due to a large increase in student's apathy toward campuswide activities. If elected as the IHC chairman, I will work hard with the 7 presidents and the rest of the ASCIT BOD to revitalize student's interest in the campus. I will do my best to get the students out of their houses to participate in campuswide events (whose number will hopefully increase next year).

At the last presidential debate, the stringent party policies were brought up as a major drawback to the improvement of the social life here. I will definitely communicate with the Deans, the MOSH and the Vice President of Student Affairs to lift some of these stringent barriers. I believe that if a club or a house fails to carry out their responsibilities when hosting a party, then they, the club or the house specifically, should be punished for any mishap that may occur rather than the entire student body in general.

Finally, being the IHC Chairman will give me a chance to work on improving the Student-Faculty relation at Tech. In the past few year, there has been some interest expressed on setting up a faculty rotation through the houses, through which the faculty members can find out more about the Houses and can establish their affiliation with certain houses if desired to do so. If elected, I will see that the faculty rotation get initiated and rolling.

Above are some of the projects I would like to accomplish if elected to the office of the IHC Chairman. But I can't do it without your help. Therefore, I would appreciate your support at the election on Monday.

### ASCIT Secretary

#### Jeff Flint

Hopefully, most of you read my statement earlier when I was running for President, so I won't have to say as much here. I'm running for secretary basically because I want to be in a position to do something for the campus. The duties of secretary itself are pretty easy, essentially just getting the minutes out. The most important part of being secretary is the vote on the BOD. I've had this responsibility for the past year, and I know I can do a good job on the BOD. I hope you all vote for me. Thanks.

#### Chris Hurwitz

ASCIT Secretary is a slavish, thankless job. It is also a position of responsibility, because the Secretary has a BOD vote in the allocation of student funds and activities. The office requires someone who cares about the Caltech community and will represent key student interests.

Aside from the vote, the Secretary's main job is to record and publicize the ASCIT minutes. I'm interested in improving the worth of the minutes by including, not only the run down on the last meeting, but also information on the agenda of upcoming meetings. ASCIT represents the student body, but cannot perform in that capacity without direct student input. Having such information would give the students the opportunity to attend meetings and become part of ASCIT instead of simply reading about it the day after.

So, how am I qualified?

Well, I have served on the ASCIT Executive Social Committee since the beginning of the year, and have attended almost every meeting. I have a good working knowledge of how the ASCIT BOD runs and have learned what to expect at meetings.

Oh, and I also got an "A" in diction in 3rd grade and kin spel purdy good.

Thank for reading this. It's only the first part of the election. The second part is up to you. Vote early. Vote often.

### Upperclass

#### Director at Large

##### Kate Loomis

Have you ever wondered where all the money that you give to Caltech goes? Well, \$60 of it goes to ASCIT each year. ASCIT's greatest resources are its budget and the people you elect to distribute that budget. I want everyone to get their money's worth. That's why I'm running for Upperclass Director at Large.

ASCIT distributes and designates most of its funds at the annual budget meeting. I can be counted on to vote in favor of individuals. I believe that club awards should only be based on number of ASCIT members and financial need (considering also matching funds). The budget does not belong to the BOD, but to all the students. The BOD's job is to distribute the money in such a way as to benefit the most people possible.

That's also why I believe ASCIT should play a larger role in campus-wide activities. Not everyone is a member of a club. I hope to have the opportunity to work with the Social Director and the rest of the BOD to achieve this goal.

As a member of the Board of Directors, I will use my position to help improve life at Caltech by getting involved in projects outside my established duties. The ice machines in the student houses and the new PA system (which will be used for parties, noon concerts, etc.) are some examples of what other members have done. Now, there are hopes for a new Art Gallery, among other things. ASCIT needs motivated people to be an effective force at Caltech. I am such a person.

And, of course, the Upperclass Director at Large is in charge of the ASCIT Van. I feel that I am responsible enough and organized enough to handle this duty. Plus, the job would give me the opportunity to meet new people.

Thanks for taking the time to read this, and I hope you consider voting for me.

(P.S. - Beaver Basketball tonight at the gym - be there!)

##### Marty O'Brien

Good morning. If elected, I will treat the ASCIT Van with respect.

#### Frosh Director at Large

##### Eugene Lit

Hi! Answer #1: Gene Lit. Answer #2: Anything but physics. Answer #3: Canada (it's this big place north of here). Since you've already read so many statements, I'll just fill you in on why you should vote for me for Freshman Director at Large: ...high school student council...energy...school alderman...dedication...yearbook editor...Blacker Hovse...responsibility...short, easy to read statements...music council president...lots of experience...and just a whole big bunch more.

Well, that about covers it. (Steve, the editor, wanted me to write something short and easy to type.)

I thank you for your support...eh.

### David Lofquist

Listen up frosh: upperclassmen ARE WIMPS! Let's face it, this is our one chance this year to get anyone in even a minor position of power. What we need is someone reasonable to represent us in ASCIT. It's a pretty cushy job (now that the copier is not run by the frosh director-at-large), only putting out the Undergraduate Research Opportunities Handbook in exchange for a dinner or two at the Ath. "So why you and not me," you may ask. "Am I that apathetic?" Not necessarily. All you need to do to show your non-apathy is to get out and vote. For me of course.

Now why you should vote for me. If elected, I get a vote for you (in a different sense). My largest responsibility would be to have a vote on the ASCIT Board of Directors. This means that as a frosh I have to represent the whole student body. I will if you tell me what you want to see done, otherwise I'll do what I darn well please. I keep an open mind about most things and don't take too much offense if your views on an issue are different than mine.

Hope to see all of you who are going to vote for me at the polls on Monday.

And that's the way it is.

### Dave Park

Hey, Buddy Buddies and Buddy Buddettes!!!

Here's an intro to a short little story for you kids.

When election time comes around, a little boy's heart is filled with a desire to run for an ASCIT office. But among the hundreds of offices, there's only one lousy office he can run for. Why? Because he's a damn frosh! Well, that little boy is actually me, David J. Park, and I'm running for FRESHMAN DIRECTOR-AT-LARGE.

Before I fell asleep in Ph1b one day, I thought about that magnificent title: DIRECTOR-AT-LARGE. Without "freshman," it sure sounds like an important, God-awesome position with a big desk and a big fat chair. However, with "freshman," FRESHMAN DIRECTOR-AT-LARGE sounds like a joke. Well, from asking around some mindless upperclassmen, I found they all think of it as a joke. Someone actually told me that all that person does is "wipe the other officers' behinds."

So, I asked myself, "Why the hell do I wanta run for this office?" Well, I must say I like the title, for some unknown reason, and personally I don't think it's a joke. I wanta get involved in student government. And just maybe I might be able to change the attitudes toward FRESHMAN DIRECTOR-AT-LARGE. But then again who am I kidding. CALTECH is no place for a lousy little frosh to change things. Or is it?

Anyway, enough BS and I must tell you why I personally believe that I'm the best qualified for the job.

First, I did some crap in high school. But you guys and gals don't care. Secondly, I'm very punctual. I'm always on time; never early, never late, always on time. For example, my application for CALTECH was completed and sent on Jan. 15, 1987. Right on time! I figure in order to do all the "dirty works" for ASCIT, one should be punctual, and here I am. Thirdly, I'm so dedicated to everything I do. I strongly believe this DIRECTOR-AT-LARGE thing requires a whole lot of dedication, especially with "freshman" in front of it. Take those exciting Ph1b lectures with Phinney for example. Being so dedicated, I, despite the fact that I hate Phinney's mumbling, and, of

course, himself, have only missed 4 physics lectures this term. In a row, to tell you the truth. Well, that's still nothing compared to some of you who haven't gone since the second lecture. So, I think we should overlook it.

And last but not least, I'm somewhat organized.

Oh well. I'd love to tell you more about myself but these are all I can think of. And I'm also running out of time; I have to get this done by 22:00 so that I can go play some volleyball, and it's almost getting there. So, "VOTE EARLY, VOTE OFTEN," and VOTE FOR D.J. PARK.

I thank you for your support, and happy damn mid-term.

(Well, should I proofread this.)  
(Naaaaaa, ---it.)

### Todd Schamberger

My name is Todd Schamberger and I'm running for the office of ASCIT Freshman Director-at-Large.

One of the questions most often asked about the Frosh Director-at-Large is: "What exactly does he do?" The major responsibility of this office is the publication of the undergraduate research opportunities handbook (UROP). In addition, there are a number of other duties including researching and organizing outside projects as well as helping set up ASCIT-sponsored programs.

If elected, I intend to make the UROP my top priority. Undergraduate research is an important part of a Caltech education. Therefore, it is imperative that undergrads know where to look for research opportunities. The Frosh Director must be a motivated and organized individual who will get the UROP out to the campus. I believe I am the man for the job.

Perhaps more important than the duties of the Frosh Director is the vote he wields on the ASCIT BOD. As you know, the BOD votes on a number of things, ranging from campus policy to budget allocation. As a voting member, I would make informed decisions and not simply follow the lead of upperclass members.

In short, I'm running for ASCIT Freshman Director-at-Large because I believe I am capable of effecting a positive change on our campus through this position. Thank you for your consideration and please, no matter who your candidate, remember to vote.

### Alex Wein

Freshman Director-at Large. The very name of the office inspires awe in Techers. Well, maybe it's not that great, but it is important. The Research Opportunities Handbook is in the trembling hands of this officer. The FDAL is also going to be responsible for doing much grunge work for the BOD. I can do grunge work. The Freshman Director will also probably be the only link the freshman class has on the BOD and so you will want someone who will not hide from his classmates, but who will attempt to be there for the freshmen who don't want to complain to a full BOD meeting.

Other than that, the main requirements are responsibility and an ability to work in the confines of a Parliamentary (and Constitutional) system. I have both qualities and a real interest in the improvement of campus life. Thank you.

P.S. Since an important aspect of this job is the vote, I'll give you an idea of my stand on some issues. New ASCIT van-yes, New projectors for ASCIT movies-yes, PA system-no, Fund for underdeveloped houses-yes. I also promise to vote for anything that will enhance student-faculty relations.

P.P.S. Vote for me, dammit!  
continued on page 9

# Yet More Inside World

from page 5

**Social Team: Greg James** - Exploiting confusion and public admiration for NE RB Craig James, he got elected and will certainly emphasize POWER106, Whitney Houston, and rap where possible. "Women are tools..." campaign slogan sums up his philosophy.

**Frank Kim** - "Man of 1000 Houses" has in the past figured prominently in foreign relations, and may function more officially as Lloyd's Ambassador to the World.

**Steve McLaughlin** - Can draw on unique experience in dealing with Paul Socolow on a daily basis to handle unpleasant situations almost beyond control. Hopes to employ Mcfoods and Mcdrink at social events.

**Ath Team: Larry Ahle** - The "Commissioner" now has an opportunity to expand his irresponsible, selfish, erratic and draconian lordship over the sporting world, and is increasingly dangerous.

**Walter Chong** - "Honest" Chong lends rare personal ability and respectability to an otherwise flakey A-team.

**'Little' Jackie Prater** - Deserves a new reason to make dinner announcements, and gave him shoes and sealing wax and other fancy stuff.

**House Rep Carol Choy** - Looks to seize on opportunity to set new house height differential marks by inviting famous local big men like Kareem and Benoit Benjamin.

**Librarian Tren Huang** - His intentions are hard to gauge, but the violation of traditional separation of powers involved in the uniting of Computer Rep and Librarian worries political thinkers and seriously threatens life as we know it.

**Off-Campus Rep Keith Rosema** - A very hazardous individual, he is completely unpredictable, but this additional assurance that he will remain OC must be applauded.

Inferno's airband challenge approaches, so get ready. ...Living still, in spite of dungeon fire and **STORM**,

-The King of Spin and Dark Foot.

**Page:** Well folks as I told you last time it's been totally orgasmic! For the select few, that is: John Henry, Sergio, Tony AND James, Adam (who talked all night with the Flem, not the maid), Keanerr (see JH), Emily?, Jennifer (for sure), the R.A.'s (but only on the weekends), and, of course, the newlywed himself, Jimbob "Thank God for AT&T" Coykendall. Friday nights sure are jumping around Page nowadays. Says Tony, your lame duck president:

"Last Friday night was so fun, that I was woken at about 2:30 hallucinating. I could have sworn that I heard the 'climax' to a 007 movie being played next door. Oh, James..."

And the Friday before that, we were LUCKY enough to see one of our frosh fall from both grace and the library table. You know life's looking up when you pass out in "the pit" after redecorating the nurls' bathroom.

But let us not forget Lar's hour of triumph on Thursday night. The frosh looked good; the book was signed; the dinner was decent; and Page House was waaaaay too drunk to play ultimate against the Rudds. Oh well! Boys will be Boys, girls would be Boys, Jennifer would get smashed, and Flint will always be Flint.

But if this wasn't all true, at whom could we laugh?  
Aha! That reminds me.

**Q:** What do you get when you cross a Korean deathpunk biker chick from Hell with a Pennsylvania hick physicist?

- A: a) lots of little homeboys with rad haircuts;
- b) a nerd on wheels;
- c) Mr. and Mrs. Scott;
- d) Dirty sheets;
- e) All of the above.

And also in the news:

G.Todd thinks the lines are way too long, but inside info is that he isn't morally against pushing to the front, and chances are if he does that he'll still get served. "Good luck" say Tony and James, just don't pay too much for dud merchandise. Jeff says "Phooey".

On a more serious note, elections are tonight. The choice is yours. Do you want someone with an outrageous accent, no phone, and a strange haircut, or someone with a strange accent, no hair, and an outrageous phone bill? Regardless, be there Friday night for some pretty serious party action!!!

And now back to the low down, juicy gossip. And it's a beaut! Mark S. finds dream women do come in Kit form.

This has been the news. For photo verification of any of the above blatant innuendos send cash to the Melinda Knox "Save the Quadruped" fund, c/o most of Fleming.

Remember. We serve only to tell the juicy bits.  
Adios spirochets!

-James "keeping the british end up" Ibbetson & Tony "my roommates pick up on drunk women, but I just don't have that killer instinct" Wittry

**Ricketts:** THIS IS IT. Tragedy strikes Ricketts Hovse. We, the celebrated writers of the Ricketts Hovse Inside World, in order to further our writing careers, have decided to end our tenure at this illustrious column. Let there be no tears. We are confident that the new writers, with only a fraction of our talent, will still be able to bring laughter into your hearts. So, go boldly into the future, and open next week's Tech without fear, knowing that our spirit still resides therein.

In order to find successors, who may be able to come close to filling our shoes, we are holding our final Ricketts Hovse Inside World Contest. All budding young hopefuls should submit their attempt at an Inside World to Tylis Y Chang by 5:00 Tuesday 10 February 1988 (preferably on an IBM diskette in Wordstar format). All entries will be judged at lunch on Friday 12 February 1988. The entries which humor and/or offend the most people will be deemed the winner.

We are sorry to report that our own baby blue Syrian-Scott just doesn't seem to be cute enough. The person who kept leaving messages on his answering machine and making announcements at dinner seems to have taken up with someone else - taller, browner hair, smaller nose (obviously), but just as goofy looking.

We would like to thank Tylis and Budnoid for their judicious editing of last week's Inside World. A reminder to Charles; you still owe us \$10.00 for the raffle ticket. It is a good thing though, that it was Charles, rather than some other scum, who was able to bribe Tylis. Kitt's reaction to being won by someone else may not have been so joyous. She reportedly jumped up and down while squealing in delight. It is unfortunate that Charles was unable to make her reproduce this when he claimed her. Fortunately, before he went to claim Kitt, Charles was able to convince Tylis to massage. When Charles returned the favor to Tylis they seemed to have lost track of the time and so he never seemed to pick up Kitt.

continued on page 9

# what goes on

from page 12

## Recycling Meeting

The city of Pasadena is preparing to implement a program of recycling involving all Pasadena residents. We want your ideas and suggestions on ways to reduce the amount of refuse hauled to the landfill each week. One of the meetings will be on Tuesday, Feb. 23 at 7:30 pm in Dabney Hall Lounge. Be there or be recycled for raw materials!

## Leap Year Singles Dance

There will be a Leap Year celebration singles dance at the Neighborhood Church, 301 N. Orange Grove Blvd. on Friday, Feb. 26 from 8:30 pm to 12:30 am. Admission: \$10. Music by "Dance Tyme". Meet new people, dance and consume refreshments.

## Museum Sponsors Dig

Have you ever dreamt of discovering a lost civilization, of being the first to touch something no one has seen for hundreds of years? (Other than the bottom of your closet.) The Natural History Museum of Los Angeles County and the Crow Canyon Archaeological Center (in Colorado) are offering a week-long, no-experience-necessary course giving adults the chance to take part in the excitement of an archaeological dig. Dates for the trip are June 12-18.

For the first two days, participants will discover the Anasazi Indians through hands-on study of pottery, atlatl spear-throwing, fire making and weaving. The remainder of the week will be spent learning the layout of the site and participating in the actual excavation process.

Participants are housed in shared lodgings and are served three meals a day. Cost is \$625 for museum members and \$650 for non-members, with a \$150 deposit required (airfare not included). For more information, please contact Judith Chovan at (213) 744-3535.

## Concept Tours To Europe

An Orange County company called Contiki Holidays is offering a set of low-cost European vacations, starting at \$44 per person per day.

Regional vacations of Scandinavia, Great Britain, Ireland and the Iberian Peninsula, including Morocco, and regional activities, are among the new features offered. "Concept" packages combine stays in permanent "Contiki villages" and special accommodations. These include historic villas, castles, chateaus, country manors, river and canal boats, Rhine river steamers, alpine chalets and a three-masted Greek island schooner.

Contiki's "Concept" packages include: breakfast and dinner daily, transportation by deluxe motorcoach, sightseeing, many special activities, backpacking, group photo, information book, local ferries, taxes and gratuities.

Information and reservations may be made through travel agents or by contacting Contiki Holidays, 1432 E. Katella Ave., Anaheim CA 92805, or phoning (800) 624-0611.

## Real Cheap European Tours

Tradewind Travellers Club is launching a low-price student travel program this summer for as little as \$29.50 to \$33 a day, featuring both motorcoach travel and tent accommodations throughout Europe.

Students traveling on the 2-4 week packages will visit 5-7 countries. They will overnight in security-patrolled campgrounds located in or near major cities such as Amsterdam, Paris and Zurich, and in such scenic areas as Lermos in the Alps, Rudesheim on the Rhine, and the Lido di Jesolo in Venice. The idea is that students travel from city to city in groups, and camp together, but sightsee as they choose at each location.

Land-only prices per person are \$498 for 15 days, \$698 for 21 days, and \$855 for 29 days. The price includes two-person tents and mattresses, confirmed reservations at the campgrounds, motorcoach transportation between camps, barbecue grills, eating utensils and recreation equipment. Single tents cost an extra \$2.50 per night. Tours start and end in Amsterdam.

For more information, contact your travel agent or Tradewind Travellers Club, Suite 1602, 40 E. 4th St., New York, NY 10017, or phone (800) 223-0567.

We have fun making music.



## Summer in Innsbruck

The University of New Orleans will sponsor its 13th annual European Summer School Program in Innsbruck, Austria during the summer of 1988. This experience, entitled UNO-Innsbruck 1988, will involve over 250 college and university students as well as some 30 faculty/staff members.

Naturally, courses offered with UNO-Innsbruck focus on the cultural, historical, social and political issues of Europe. However, during this session courses in business and science will also be taught. All instruction is in English and faculty from the University of New Orleans, guest professors from the University of Florida and the University of Innsbruck, as well as distinguished political figures from the U.S. and Austria will be teaching in Innsbruck this summer.

The session runs from July 7 to August 13 an enrollment is limited, so interested students should apply as soon as possible. For information, write to: UNO-INNSBRUCK 1988, x/o International Study Program, Box 1314P-UNO, New Orleans, LA 70148.

## Arizona Honors Academy

The University of Arizona, Arizona State, and Northern Arizona University have organized a special summer session entitled "Seeking National Security in an Insecure World." Selected students will have the opportunity to spend three weeks in an exciting seminar with faculty from all three Arizona universities, nationally and internationally distinguished experts, and exceptional undergraduate students from throughout the United States. Only 30 students will be selected.

The 1988 Academic session will be held from Saturday, June 11 through Friday, July 1, 1988 at Northern Arizona University located in Flagstaff. Applicants must be undergraduate students who have completed the equivalent of 27 semester hours with a minimum cumulative grade point average of 3.5.

Completed applications are due by **March 1, 1988**. If you are interested in applying you should come to the Deans' Office, 102 Parsons-Gates.

## Kettering Foundation

The Kettering Foundation is sponsoring the Robert G. Chollar Summer Research Assistant program. They are less interested in students' major or degree than they are in the quality of the students and the breadth of their intellectual interests. The program runs from June 1 through August 12, 1988. Stop by the Career Development Center, Room 08 Parsons-Gates, for more details. The deadline is fast approaching.

## Summer Research At UCLA

There are 14 summer research positions open at UCLA in biological and biomedical sciences, physical sciences and engineering designed to provide experience and encouragement to undergraduates contemplating research careers. The program lasts from June 20-August 26, 1988 (10 weeks). It is open to all college sophomores and juniors. U.S. citizenship or permanent resident status is required. There is a stipend of \$150 per week. Limited travel funds for some out-of-state applicants may be available. **Housing is not provided.**

Selected members of the UCLA faculty will accept students into their laboratories under a program hosted by the UCLA Laboratory of Biomedical and Environmental Sciences, a U.S. Department of Energy-funded facility. Students have the opportunity to experience on-going scientific research. In the past, research fields have included biology, biochemistry, chemistry, engineering, environmental sciences, molecular biology, nuclear medicine, public health, physics, etc. The program also includes weekly group discussions and seminars on applicable research-related topics.

Interested students are invited to write for applications to: Mr. Robert Stoddard, UCLA Laboratory of Biomedical and Environmental Sciences, 900 Veteran Ave., Los Angeles, CA 90024-1786. The deadline for receipt of completed applications is March 21, 1988.

## Great Part-Time Job!!

Milliman & Robertson, Inc. is a firm of consulting actuaries whose local office is in Pasadena (on South Lake). They are currently looking for a student who has had some experience in computer systems. The position would involve 10-15 hours per week and scheduled around class commitments. They would prefer a freshman or sophomore, as they are looking for one student to work for several years. Contact John Edwards at 577-1144 if you are interested.

## GTE/NSF Program

We've received information on an excellent program which is being sponsored by GTE Labs in Waltham, Massachusetts, and the NSF. The Industrial Undergraduate Research Participation Program is for undergraduates (between junior and senior years) in engineering, math or the physical sciences. The program is 10 weeks long. A partial list of available projects is available in the Career Development Center, Rm. 08, Parsons-Gates. Application deadline: March 16.

## Work In Japan This Summer

A Caltech alum is offering two jobs in his Japanese factory for the summer. Travel, room and salary are provided. Students will be doing basic factory work. A presentation will be made by one of last year's participants in the Caltech Y Lounge, at 7:15 pm, Wednesday, Feb. 17. All interested undergrads welcome. Refreshments will be served.

The deadline for submitting a brief letter of interest is Friday, Feb. 26. If more information is required, contact the Deans' Office, 102 Parsons-Gates.

## ASME Loans

The American Society of Mechanical Engineers (ASME) is offering aid in the form of a loan to U.S. citizens that are ASME student members in good academic standing. The deadline for applications is April 1, 1988. For further information please contact the Financial Aid Office, 515 S. Wilson.

## Instruments Discuss Vivaldi

On Saturday, Feb. 6 at 8 pm in Beckman Auditorium, lutenist Paul O'Dette joins the Parley of Instruments in an all-Vivaldi program. Admission: \$17.50-15.00-12.50. CIT faculty and staff TECHTIX (half-price tickets) and CIT student rush tickets at \$6.00 each go on sale today, Feb. 5 from noon to 4:30 pm in the Caltech Ticket Office. Call x4652 for information.

## Buscaglia To Speak

Best selling author, Leo Buscaglia will lecture on "The Subtle Art of Living With Love"; sponsored by Five Acres on February 9 at 8 pm at the Pasadena Civic Auditorium, 300 E. Green St.

Buscaglia is a well known author and USC professor famous for his standing-room-only class, LOVE 1A. His latest book, *Seven Stories of Christmas Love*, was chosen by the Book of the Month Club as an alternate selection.

Tickets can be purchased at the Pasadena Civic Box Office for \$12.50, \$15, \$20 and \$35 with student and senior rush tickets available the night of the lecture.

For information call the Pasadena Auditorium at (818) 449-7360 or Billie Youngblood and (818) 798-6793 or (213) 681-4827.

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Mon-Fri 7:30, 9:30 pm  
Sat-Sun 1:30,3:30,5:30,7:30,9:30 pm

## Student Government in Transit:

# ASCIT and IHC Minutes

ASCIT Minutes 10PM 2 Feb 1988.

1. Nicole V. says that unused ballots disappeared from Dabney lounge during lunch last Fri. Which way did they go? she ponders.

### 2. Nancy's Corner:

a: The GSC has bought a \$600 ping pong table for the SAC. Rud-dock wants to sell its old one for \$100. Does ASCIT want to buy it and then put it in the basement? The answer is yes.

b: Who is going to run the copier? Nancy has been doing so, and since she's been doing such a good job, she gets to continue to do so.

c: Did you know ASCIT has an office in the SAC? The Catholic Chaplain and Hillel would like

a place to set up for 10 hours a week. Jeff T. makes the wise suggestion to defer decision until the next BOD arrives.

d: While we're on the subject of the ASCIT office, could the clerical person for the SAC (she'll be running the soon-to-arrive info booth) use it for a couple of hours during each day? Yes.

e: What is the relationship between ASCIT and the Coffeeshouse, in terms of appointing managers? Reference to the awesome *little t* suggests we should change the resolution perhaps to make it IHC's appointment. The ExComm will look into it.

f: College Bowl is looking for money, and ASCIT is so convenient. More news coming.

IHC Minutes 10PM 3 Feb 1988.

1. John Peterson from the counseling center wants to know how to get students to fill out his questionnaire on being male. Sam suggests he announce this at house dinners.

2. Another new president... Dave Jeitner from Lloyd.

3. Conrad's corner

a. A slow night.

4. Brian protests the *Tech's* handling of the IHC Mini-Minutes.

5. Dave Lee talks about IH track. Specifically, people running events before the scheduled heats. Requests clarification.

6. Sam proposes a couple things...

a. That, in the future during the 100 yard men and women's and the 70 yard hurdles, all lanes be uti-

## Yet Even More Inside World

from page 8

Other Naughty Bits: It appears that Baby Face Kaluzniacki has lost a genuine rat hair chin toupee. If anyone finds it, please stop screaming and return it to him at once. Security came upon a strange sight early Thursday morning when they found VJ, naked in one of the South Complex basement rooms. As reported to us, he was engaged in a ritualistic dance with two gerbils and three gallons of BC's Buddha's Feast. Upon being sighted, he screamed, pulled the gerbils out, and tried to throw only the celery in the Feast at the guards.

Before we leave, we would like to point out a secret to all of our readers. Although it is hard to believe, we have, on occasion, stretched the truth a bit in our writing. The way to distinguish these parts of the Inside World from the rest is, however, quite simple. All made up statements contain the phrase "and so it came to pass".

And a happy farewell to all.

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

lized (Coach O'Brien only used 6 of 8).

b. Instead of top finishers in heats, top times would be used to determine finalists.

7. Tony says that Wayne sends his love.

8. Brian sent a letter to Minges about getting more spaces in the sync lot.

9. Ballots disappeared in Dabney during last Friday's runoffs. No one knows who took them.

Tony says, "Probably for anarchy, I guess. Not that I did it, of course."

## More ASCIT Statements

from page 7

### Director Academic Affairs

Richard Reid

Since I am running unopposed for this office this is not so much a campaign speech as a statement of progress. Yes, it is true that my quest for the position of Director of Academic Affairs results from a desire to be closely involved with the production of the useful and informative successor to the TQFR. I do believe that a quality course guide can play an important role in your course selection and it is my aim to ensure that the revamped report is sufficiently descriptive and accurate to serve this purpose.

You should know however that there is no longer any reason to snicker when the TQFR replacement efforts and progress are mentioned in the same breath. Post ASCIT meeting TQFR meetings have been quite successful and the wheels are in motion. Our objectives and methods of achieving them are clearly in mind and we are currently collecting the information we need to continue. Enough said.

The Director of Academic Affairs is a full voting member of the Board of Directors. I will continue to be a responsible member of this Board. Please vote for me on Monday. Thank you.

### Executive Social Chair

Tony Wittry

Hi Folks, I had planned to write a long, inspirational statement on how I plan to change the rotten campus social life of Caltech undergrads. But seeing as how I'm running unopposed to the best of my knowledge, I think I'll just wow you with my results.

Thanks for your (non-NO) vote,

Tony Wittry

### Activities Chair

Paul Amadeo,  
Christina Garden,  
Eric Hassenzahl,  
Chris Hurwitz,  
Ed Nanale

1. Movies? No problem. We got Paul. He did this last year.

2. Babes? Sure, we got Christina (blonde, too).

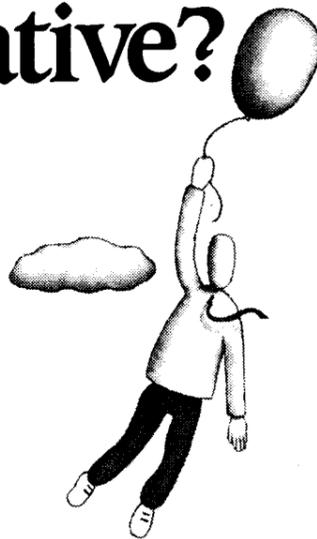
3. Radial Hair? That's Chris. No prob. (If Christina ever cuts it).

4. Cool Dude? Ed.

5. Previous ASCIT Connections? Yep. Eric was DSA (It was a mistake, but he did it.)

So why not vote 4 us? You can't lose. (Besides, there's no one else to vote for.)

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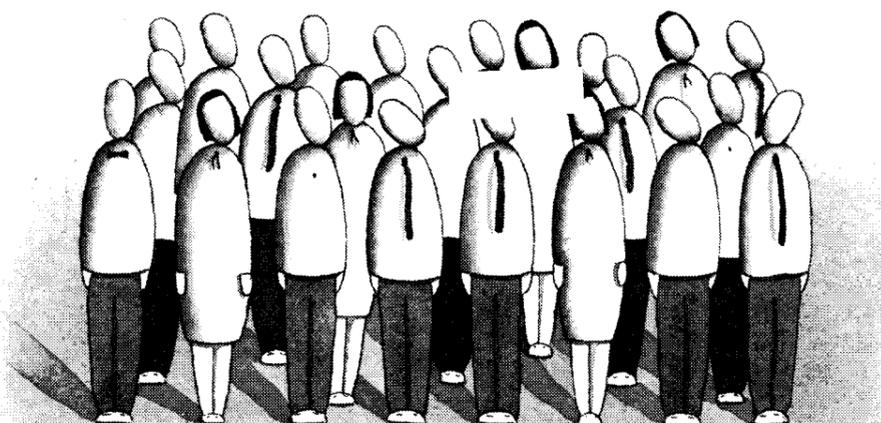
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## ON-CAMPUS INTERVIEWS February 8th



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sports

# Baseball Opens Season

by Strike Out

The Caltech baseball team competed last Friday against La Verne JV and Wednesday against Christ College. Yet while our team hit the ball well and pitched very well, they lost both games.

Friday's game started with a run by the opposition which was quickly countered by Caltech's lead-off hitter Michael Keating, who singled on base and was knocked around to tie for the first inning. The second inning brought about some errors leading to four runs for La Verne.

But Caltech corrected itself quickly and, with the pitching of Brian Colder, Ken Campman, and Manny Aranda, held them to those five runs for the remainder of the game. Dwight Berg sparked a rally later in the game by getting to first base. Doug Roberts then hit a

hard line drive which was missed by the left fielder and became a home run, earning Caltech its final two runs.

On Wednesday Caltech was again plagued with errors which led to ten runs by Caltech. However, in the eighth inning Doug Roberts again gained Caltech another two runs by knocking in Dwight Berg with a hard triple down the left field line. This was followed by a single by Manny Aranda to knock Doug in for the final of Caltech's two runs. An excellent effort was also put forth by Michael Keating with several plays at shortstop and a strong three-for-four hitting record for the game.

However, hope for a double victory lies in the games tomorrow against Pacific Coast Baptist Bible College. Although these games are away, remember, Jimbob says, "Be there!"



photo by Mike Salisbury

Pitcher Manny Aranda exemplifies the determination of the baseball team. Unfortunately, the Beavers lost to LaVerne, 5-3, as well as to Christ College, 10-2.

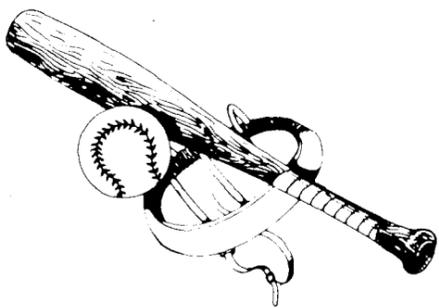
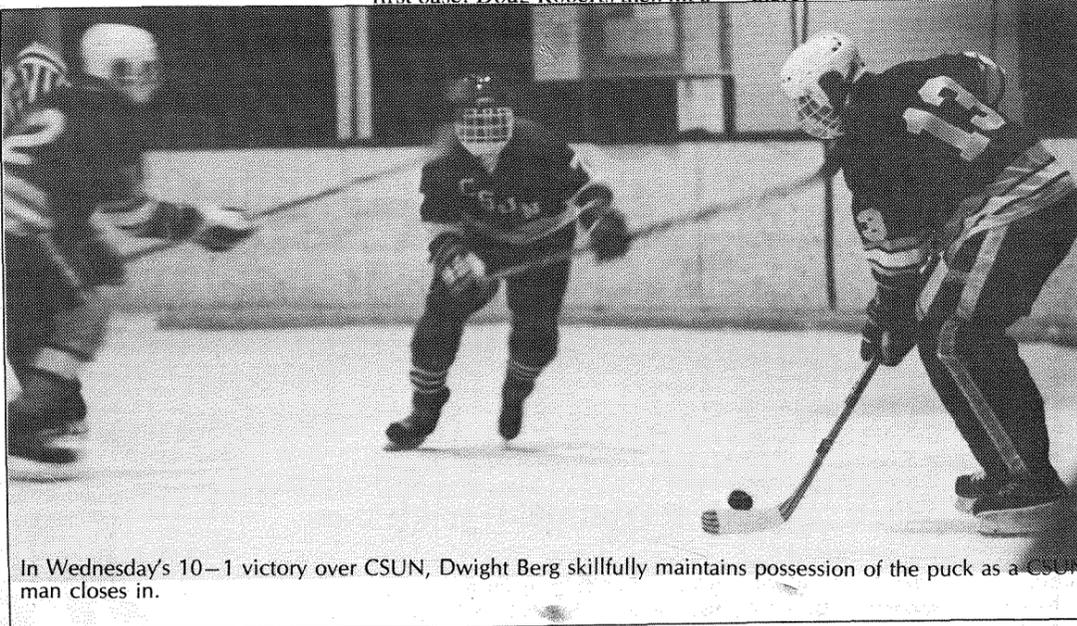


photo by Ken Haynes



In Wednesday's 10-1 victory over CSUN, Dwight Berg skillfully maintains possession of the puck as a CSUN man closes in.

# BB Beavers Fall in Overtime Thriller

by Free Throw

Caltech's basketball team dropped games to Whittier and Pomona-Pitzer this past week despite showing improved play.

In last Friday's home game against Whittier, one could sense the Beavers were ready to play. In front of a loud and rowdy home crowd, the team quickly leaped out to an 18-10 lead. Caltech played a ball-control defense and an aggressive defensive which forced Whittier to take bad shots. Sean "Hillman" Hillyard's eight rebounds helped Caltech maintain a seven point lead until halftime.

During the second half, the Beavers continued to play well. However, Whittier seemingly couldn't miss the basket. They shot 56% from the field and 79% (15 of 19) from the line to take a six point lead with just under thirty seconds left.

Then Caltech's Brad Scott was fouled, and hit his two free throws. After the inbounds pass, the Beavers immediately fouled Whittier. Whittier missed the free throw and fouled Jason Karceski on the rebound. Jason hit both free throws to pull the Beavers to within two. Caltech again fouled, but this time Whittier made one of its shots. Needing a three pointer, Caltech worked the ball around. With five seconds left, Huck Seed caught the ball in the corner. The lefty shot a three pointer. It was good, and the game went into overtime.

Caltech made the first two points in overtime, but then went cold as Whittier built a nine point

lead. Substitute Randy Ralph hit a three pointer at the buzzer, which ended the game, with Whittier winning 71-65.

Leading scorers were Huck Seed with 26, Kareceski with 15, and "Big" Bill Swanson finished with ten. Swanson and Hillyard were the top rebounders, each with nine. Brad Scott had five assists, and "Big" Bill made the only dunk in the game.

The next game the Beavers played, Tues. against Pomona-Pitzer, was not nearly as exciting.

Although the Beavers shot just 5 for 25 in the first half, they were only down by six at the half. However, the Beavers continued their cold shooting, and Pomona-Pitzer went inside to pull away to a 63-39 win.

Huck Seed led Caltech with 17 points, while Swanson added nine. Scott led the Beavers with four steals and four assists.

Tonight at 7:30, Caltech will try to avenge a six point loss to LaVerne earlier this season. Be there to root on the Beavers and watch another exciting game.

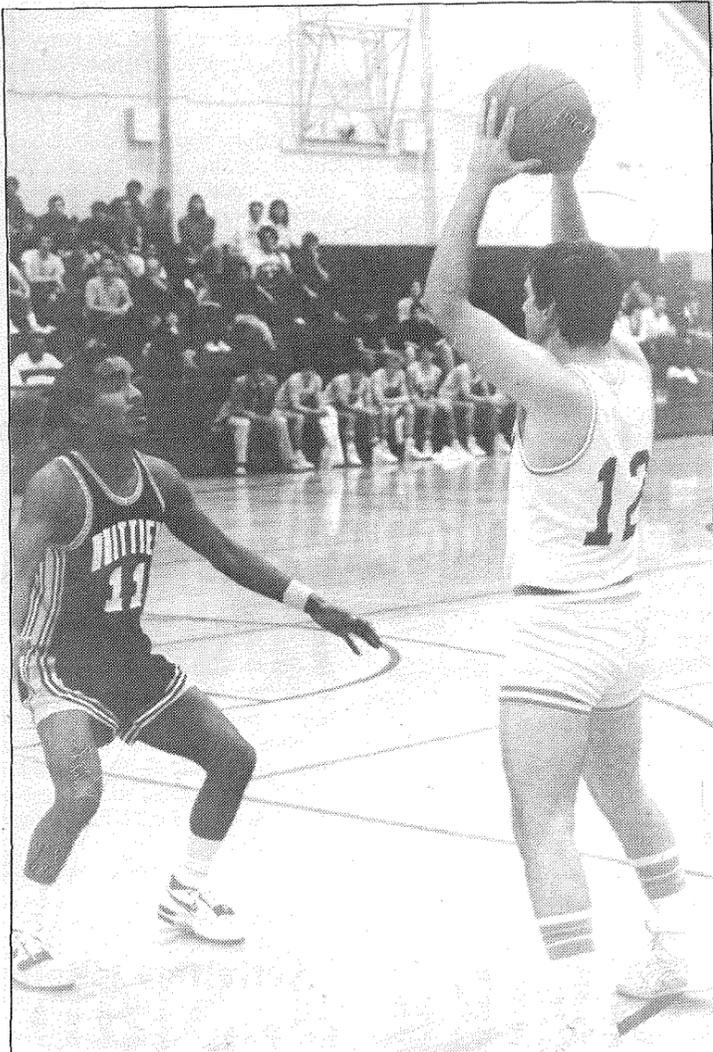


photo by Michael Keating

Caltech's Brad Scott looks for an outlet during last Friday's game against Whittier.

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sports

# Womens Tennis Aces C.C.I

by Even Lendl

In their first match of the season, Caltech's women's tennis team overcame several setbacks to post a strong 6-3 victory over Christ College Irvine. From the outset, there were many factors working against the Beavers and Coach Ginny Marum.

This first outing was a Saturday morning affair at C.C.I., which is over an hour away. Laura Hernandez, one of Tech's best players, was out with a severely sprained ankle. Another solid player, Linda Schlueter, could not play because she had contracted the flu.

These absences left the strong but small Caltech team with only five healthy bodies to take to Irvine. Since this meant that the sixth seed singles match and the third seed doubles match had to be forfeited, the Caltech fivesome found itself down 0-2 before the contest even started. However, despite the odds stacked against them, they managed to come away with an impressive victory.

### Singles

Caltech's top player, Carol Choy, was spectacular in singles play. Displaying an extraordinarily high level of play for the first match of the season, Carol disposed of Irvine's #1 seed Corrie Stelmachowicz 6-1, 6-3, despite the legion of C.C.I. fans there to cheer their good-looking tennis star on. Corrie was simply overwhelmed by Carol's strong play right from the start. By the time she got her act together, it was too little and too late to affect the final outcome.

Carol's lobs were particularly impressive in this match, as were her powerful forehand smashes. She also unleashed the newest weapon in her tennis arsenal, a more powerful first serve. Whereas first serve had previously been one of the weak points of her game, the increased pace she's

developing this year may help establish her unquestionably as one of the top players in the conference.

Caltech's third, fourth, and fifth singles players last Saturday also looked very good, as each of them won their respective matches in straight sets. Junko Munakata's victory at third singles was especially noteworthy because she was feeling fairly ill throughout the entire day, and she was also experiencing elbow problems during her match. Jennifer Low, at fourth singles, and Carol Mullenax, at fifth, felt very good about their first day of competition, since they both beat their opponents handily.

Without a doubt, the most dramatic match of the day occurred at the second seed singles position where Caltech's newest tennis player, junior transfer Jane Seto, faced the talented but erratic Anne Kringle of C.C.I. Jane played well in her first set, destroying Anne 6-0. In the second set, though, Ms. Kringle battled back to win 6-4, forcing a third set. By the time their first two sets had been completed, all of the other singles matches were done. Thus everyone present at the match, including fans, coaches, and players, surrounded the court upon which the two second seeds were doing battle.

Tensions ran high all through the third set, which was a seesaw battle. Jane at first appeared to have the match well in hand as she surged out to a 5-0 lead, much to the chagrin of the many Christ College spectators. But suddenly, Irvine's Kringle, who had been virtually throwing away games with mental errors and poor shots, became an unstoppable tennis machine. She won the next six games, despite being pushed to the brink of losing several times as Jane forced match points in those games.

Anne made all the shots when she had to though, and looked like she was going to pull out the amazing comeback victory. She was up 6-5 and had won six games in a row. However, Jane Seto was not finished yet. She showed a lot of mental toughness by shaking off the adversity of blowing a big lead, and won the highly dramatic twelfth game. This tied the set at 6-6 and forced a tiebreaker.

In the tiebreaker, each point was a free-for-all, with spectators holding their breaths after each fine shot, waiting to see if the opponent could return in kind. Jane drove out to a 6-2 lead in the tiebreaker with strong, fast-paced play. A sense of deja vu swept the crowd, though, when Anne won the next three points to make it 6-5. Would she be able to make yet another comeback? Luckily for the Beavers, the answer to that question was a resounding "no". Jane stood firm and put Ms. Kringle away on the final point to earn a hard-fought and well-deserved 6-0, 4-6, 7-6 (7-5) victory.

Jane's win was crucial in that it clinched the match for Caltech. They had swept the singles (except for the sixth seed forfeit) and thus carried a 5-1 lead into the doubles competition. While they had to forfeit the third doubles match, the Beavers split with Christ College 1-1 in the other two doubles contests. At second doubles, Jennifer Low and Jane Seto totally obliterated their Irvine foes 6-0, 6-1.

### Doubles

At first doubles, unfortunately, Carol Choy and Junko Munakata had some problems. Carol and Junko began their match like a house on fire, hitting winner after winner until they had taken the first set 6-2. In the second set, things began to come apart for them, and this helped the C.C.I. duo of Corrie Stelmachowicz and Anne Kringle regain their lost confidence.

The second and third sets were frustrating for Tech's number one team due to a lack of synchronization. Junko, who was all right in the first set, played rather poorly in the second set, probably because of the physical ailments which had been plaguing her. Junko finally pulled things together in the third

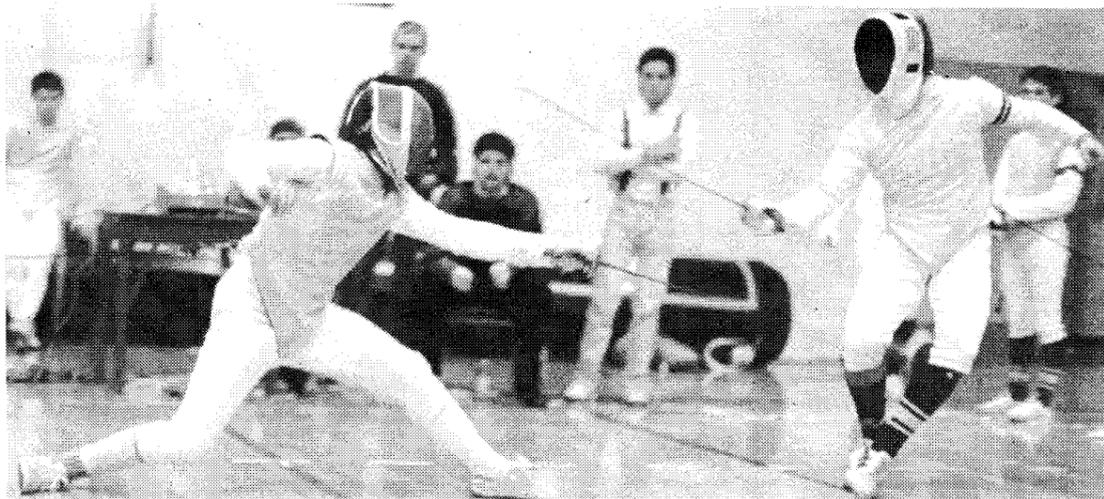
set. Just when she was getting back in the groove, Carol Choy's game declined sharply. Carol, who had played fairly well in the first two sets, could not sustain her efficiency level in her fifth set of the day. Her lobs, which had been so effective in her singles victory, became her downfall in doubles as her short lobs were continuously put away by the Irvine pair's overhead smashes.

If both Junko and Carol could have played well together for any length of time in the final two sets, they would have taken the match. But instead, a rejuvenated Kringle and Stelmachowicz won the last two sets to give Christ College some consolation on an otherwise dismal day for them. The Choy-Munakata team's only good news was that they may have set an NCAA record as being the shortest women's doubles team in college tennis history.

So Caltech's women's tennis team took home a 6-3 victory and an undefeated 1-0 record from the faraway, isolated campus of Christ College Irvine. But more importantly, they took home a confidence in themselves and their playing abilities which will help them in the difficult conference matches ahead.

## WEEKLY SPORTS CALENDAR

Day	Date	Time	Sport	Opponent	Location
Fri.	2-5	7:30 pm	Basketball	La Verne JV	Caltech
Sat.	2-6	10:00 am	Swimming	Claremont & Whittier	Caltech
Sat.	2-6	11:00 am	Fencing	Occidental & UCLA	Cal State Long Beach
Sat.	2-6	11:00 am	Tennis (W)	Mt. St. Mary's	Mt. St. Mary's
Sat.	2-6	12 noon	Baseball (2)	Pac. Coast Baptist Bible College	P.C.B.B.C.
Sat.	2-6	1:30 pm	Tennis (M)	JPL	Caltech
Sun.	2-7	9:00 am	Soccer (W)	Our Gang	Caltech
Mon.	2-8	1:00 pm	Golf	Redlands	La Verne
Tue.	2-9	2:30 pm	Baseball	Pac. Coast Baptist Bible College	Caltech
Tue.	2-9	3:00 pm	Tennis (M)	Azusa Pacific	Caltech
Tue.	2-9	6:00 pm	Basketball	Claremont-Mudd JV	Claremont
Wed.	2-10	3:00 pm	Tennis (W)	Pasadena City College	P.C.C.
Wed.	2-10	8:00 pm	Ice Hockey	Cal Lutheran	Conejo Valley Ice Cntr.
Fri.	2-12	2:30 pm	Baseball	La Verne JV	La Verne
Fri.	2-12	7:30 pm	Basketball	Redlands JV	Caltech
Sat.	2-13	10:00 am	Swimming	Cal State San Berdoe & PCC	Caltech
Sat.	2-13	11:00 am	Track	Masters, Whittier, Chapman, USD, La Verne, Christ College	Caltech
Sat.	2-13	2:00 pm	Tennis (M)	Claremont-Mudd	Claremont
Sat.	2-13	2:00 pm	Tennis (W)	Whittier	Caltech



Who are these masked men? We don't know, but they do demonstrate the fleet-footedness and agility Caltech fencers possess.

photo by Alex Athanasopoulos

## Fencers Make a Stab

by Sabre T. Tiger

Women, women, women. Caltech doesn't have many, but three of them showed up for the Caltech fencing team's first meet of the second half of the season

against Cal State-Fullerton and U.C. Santa Barbara. Though none of the three ladies, Miriam Myjak, Kitt Hodsdon, and Celina Mikolajczak, won a bout, they all fenced well and do lend hope for future seasons.

three victories, while captain Paul Rubinov chipped in two and Steve McLaughlin took one. Against Long Beach, Paul Rubinov had the sole team win.

In sabre, captain Matt Himmelstein had the hot hand with three victories against UCSB and one other in the competition over CSULB. Sean Johnson and the left-handed freshman fencing sensation Ray Sidney each chipped in a victory over UCSB.

The team's next meet will be this Saturday at 11:00 a.m. at Cal State Long Beach against Occidental and UCLA.

As for the guys, the foil and sabre teams each beat U.C. Santa Barbara. Allen Price had the sole epee wins against both schools. The other two epeeists, Jeff Greacon and Joe Dadek, each had hard-fought bouts against Long Beach and Santa Barbara.

In the foil victory over UCSB, Robert Coker led all foilists with

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## what goes on

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

**Singing Valentine**

Love unrequited?  
Wrongs to be righted?  
Advisor feel slighted?  
We're out of sighted!  
Send 'em a singing valentine to express your feelings. Caltech Sweet Ads (Women's Barbershop Quartet). \$5 students. \$10 faculty & staff. Call Mary Ann at 577-8462 mornings, Feb. 1-5 and Feb. 8-11. Valentines delivered Friday, Feb. 12.

**"OLIVER" Takes The Stage**

TACIT presents Lionel Bart's rousing musical, *Oliver!*. With a cast of over 70, and more than 120 people involved from all over Caltech and JPL, this show is *not* to be missed! Performances are February 19, 20, 26 and 27 at 8 pm, and February 21 and 28 at 2 pm. Call 356-4652 to get tickets, but order now—they're selling out fast!

**Jazz Concert Tonight**

There will be a free concert tonight, February 5 at 8:00 pm in Ramo Auditorium featuring the Caltech Jazz Bands. These award-winning ensembles, directed by Bill Bing, have appeared in local jazz festivals and concerts. There will be many different styles of music on the program. In order to get more students to attend, we are going to have catered food after the concert. Also, there are about thirty of your fellow students that play in these groups. So, come on out and support your friends, and get fed while you're doing it.

**CLASSIFIED ADS****HELP WANTED—****MALE STUDENTS WANTED!**

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**WORK-STUDY STUDENT WANTED.** Have you ever been curious about how Caltech appears in the news? Have you ever wanted to look in the files stored in the public relations office? The PR office is looking for someone to help us cut and paste newspapers and magazines that mention Caltech and to help us in updating our faculty files. Call Andrea Dobbe, x6228.

**FOR SALE—****CHOCOLATE LOVERS!**

For Valentine's Day, forget the red roses. Homemade chocolate truffles will provide you with lasting memories. Available in 8 flavors. Call Joycellyne at 449-0516 after 5:30 for a taste test.

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**LOST & FOUND—**

**BLUE NISHIKI OLYMPIC 50cm Frame.** White seat & handle bars. Book rack. Lost on Tuesday 1/12. If seen, call: Lisa Giaino, 578-9414, Ricketts #17.

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

**Alexander Nevsky**

Cinematech will present Sergei Eisenstein's *Alexander Nevsky* this Saturday (Feb. 6) at 7 and 9:30 pm in Baxter Lecture Hall. The epic tale of the 13th century invasion of Russia by Teutonic knights was, in 1938, a warning of Hitler's assault and a rallying cry for patriotism in support for the Russian cause. Yet this piece is also timeless as it exemplifies the director's mastery of photography, montage work, and experimentation with music (with a now-famous score written by Prokofiev). The battle scene on the ice between the invasion forces and the soldiers of Alexander Nevsky, Prince Novgorod, is one of the classic moments in cinema history. Admission charge is \$1.50 for all.

**German Film Series**

*Stunde Null* will be shown February 8th (Monday) in Baxter Hall at 7:30 pm. The film is part of the German Film Series, World War II: A Variety of Cinematographic Images of an "Unmastered" Past. July 1, 1945, the end of the war: the Americans are approaching Leipzig but are forced to withdraw and leave the territory, in accordance to the Yalta agreement, to the Russians. The people with their hopes and fears are the real subject of this film of great historical merit. Director: Edgar Reiz. Starring Kai Taschner, Herbert Weissbach, Gunther Schimann.

**Planetary Science Scholarships**

The Planetary Society is offering five \$1,000 awards to students majoring in engineering and science. Awards will be made on the basis of scholastic achievement, a commitment to a career in planetary related science, and a written essay on a relevant topic. The deadline for completed applications is April 15, 1988. Mail in cards for further information are available in the Financial Aid Office, 12-63 (515 S. Wilson, 2nd floor).

**Financial Aid Packets**

**ALL RETURNING STUDENTS:** Financial Aid packets for 1988-89 were mailed to your campus address the week of January 5. If you did not receive that packet or if you need additional documents contact the Financial Aid Office, 515 S. Wilson, or call x6280.

**Cal Grant Deadline Looms**

Those applying for new Cal Grant aid must do so by March 2, 1988. During the current academic year, the Cal Grant program provided eligible students with over \$132 million in upper education tuition, fees and, in some cases, living allowances. The California Student Aid Commission administers the program and made some 28,000 new awards and renewed over 41,000 Cal Grants in 1987.

Currently enrolled college students can apply for Cal Grants by completing the Student Aid Application for California. This single form can also be used when applying for other state, federal and campus-based student aid.

**SURF's up!!**

Applications for SURF-'88 (Summer Undergraduate Research Fellowships) are currently available in Room 3, Dabney Hall. We have a notebook with a few projects for '88 listed for undergrads to review. **Application deadline is 5 PM Monday, March 7.**

**College Bowl Happens at C.I.T.**

If you missed the informational meeting for College Bowl and are interested in participating, there's still room for you. At the second meeting on Tuesday, Feb. 9 at noon in Room 13, SAC, we will be discussing the on-campus College Bowl program, viewing a tape of a National College Bowl competition and playing a few rounds. So if you're a trivia buff or would like to be involved for fun, stop by. We'll also be discussing the upcoming College Bowl Demonstration Tournament scheduled for Feb. 19 (tentatively) at noon in Winnett Lounge. If you would like to participate in this, please fill out a College Bowl Registration form available at the SAC Office—Rm. 64 SAC, or in this issue of *The Tech*. For further information, see Nancy Matthews, Student Activities Coordinator, Rm. 64 SAC, x2935.

**R.A. Positions Available In Fall**

Attention all faculty, members of the professional staff and graduate students: The Master's Office is soliciting applications for Resident Associates in the undergraduate student houses to fill vacancies expected with the graduation of current R.A.'s for the fall of '88. We would like to urge all interested faculty members, members of the professional staff and graduate students to apply for this position. Applications are available in the Master's Office (in Lloyd House on the Olive Walk)—DEADLINE: March 1st.

**Last Chance To Hemingway**

For those for whom the contest tolls, only a little over a week until February 15, the deadline for submitting entries in the 11th International Imitation Hemingway Competition, sponsored by Harry's Bar and American Grill. What is Imitation Hemingway. It is writing. It is parody. Entries must sound like Hemingway. Read like Hemingway. They will be funny. The best will be very funny. Each entry is limited to one page and must mention Harry's. Nicely.

Winner gets dinner for two at Harry's Bar & American Grill in Florence, Italy, plus round trip air fare for two. Hurry. Send your entry to Harry's Bar & American Grill, 2020 Avenue of the Stars, Los Angeles, CA 90067. The decision of the judges will be final, and the winner will be announced in April, 1988. The entries become the property of Harry's Bar & American Grill.

**Novel Workshop**

P.E.N.-L.A. will present "Three Novelists Develop the Novel" at a public workshop on February 6th at Baxter Lecture Hall. The 10 am to noon Saturday workshop will feature novelists John Ball, Eve Bunting, and Carolyn See. The moderator will be Gloria D. Miklowitz, also a novelist. During the program, each author will be presented with a brief scenario for a novel. The novelist will explore in impromptu fashion how character, plot and theme might be developed. Afterward, the subject will be opened to discussion by all participants.

The fee for the program is \$20; \$25 includes lunch. Checks may be sent to P.E.N.-L.A., 115 W. California Blvd., Suite 271, Pasadena, CA 91105. For further information, call Gloria Miklowitz, (818) 952-3382. Caltech students and staff may attend the workshop *free of charge*.

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**New Student Garage At Tech**

Are you interested in a student-operated repair facility for minor automobile maintenance? Are you tired of spending \$10-20 a shot just to change your oil? Then come to Rm. 15 of the S.A.C. on Friday, Feb. 12 at 12 noon to voice support for major remodeling of the Holliston Garage/Shack and the evolution of an organized Student Garage. Any and all interested people are urged to attend. For more info, contact Dave Stevens, 1-58, or phone 792-6311. Remember—Feb. 12, noon, Rm. 15 S.A.C. Be there.

**S.A.C. Office Hours**

Nancy Matthews, the Student Activities Coordinator, holds an open office hour from 1:30-3:00 pm Monday-Friday. If you need a copy card, would like to talk about planning an activity, need to reserve a room or would like more info on the student activities center and its related activities please stop by her office, Rm. 64 S.A.C.

**S.A.C. Lost & Found**

If you leave your personal property in a public area of the Student Activities Center for an extended period of time (say, over 1 week), it will be removed from that place and deposited in the lost & found (Rm. 37, S.A.C.). I expect that people will only remove items from the box that belong to them. At the end of each term, the box will be emptied. If you have any questions, please see Nancy Matthews, Rm. 64 S.A.C., x2935.

**Weird Bacteria At Work!**

Mary Lidstrom, Associate Professor of Applied Microbiology in Environmental Engineering at Caltech, will speak on her work in a talk entitled "Genetic Studies in Unusual Bacteria: The Methanotrophs." Her lecture, to be given at 12 noon on Friday, Feb. 19 in 114 E. Bridge, is the fifth in the OWC-sponsored series, "Presenting Caltech's Women Faculty." Please bring your lunch and check out some of the hottest new science around!

**Caltech Raquetball Club**

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

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

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

**S.E.D.S. Meeting**

Caltech S.E.D.S. will meet on Tuesday, February 9th at 8:00 pm in Clubroom B (Rm. 15, S.A.C.). We will show a video of Apollo 15 and discuss plans for a star party and other activities. Refreshments will be served.

**February AABHAWs**

This month's Abigail Adams Beer Hour for the Advancement of Women in Science is brought to you by the Geologists and Planetary Scientists in conjunction with the Organization for Women at Caltech and the Society of Women Engineers. Please feel free to drop by 212 N. Mudd between 5:00 and 7:00 pm on Thursday, February 18. A \$0c donation for the beer and other beverages would be appreciated.

**Poetry Reading**

Edwin Honig, poet, author and playwright from Brown University will read his own poetry at the Huntington Library on February 18 at 2:30 pm, in the Overseers' Room of the Entrance Pavilion.

**U. Utah and You**

U. Utah Phillips evades musical categorization. He is perhaps best described as a master storyteller, who reels off "wonderfully terrible jokes and genuine country Americana" (San Francisco Chronicle) while occasionally accompanying himself on acoustic guitar. Somewhat of a political celebrity as well, Mr. Phillips ran for the U.S. Senate on the Peace and Freedom ticket in 1968 and for the presidency on the Sloth and Indolence ticket in 1976. Favorite song topics include "trains, coal mines, unions, factories, working people, lazy people, the old and new West, burns, politicians, and the different things that happen to you when you're in love." You can see, listen, laugh, and sing with Utah at the Caltech Folk Music Society concert on Friday, Feb. 12 at 8:00 pm in Dabney Lounge. Tickets are \$7.00; \$5.00 for Caltech students, thanks to The Caltech Y.

**Ski Mammoth**

Feb. 25-29, in a ski trip sponsored by the Caltech Y for Caltech undergraduate and grad students only! Cost is only \$60 including food, transportation and lodging. Deadline for signups is Feb. 12. For more information call x6163 or stop by the Y today!

**Company Recruiting & Info**

TRW Group meeting: Monday, February 8, Winnett Lounge, 4-6 pm.  
ESL Group meeting: Wednesday, February 10, Winnett Lounge, 4-6 pm.  
Hewlett-Packard Ice Cream Social, Wednesday, February 10, Chandler Dining Hall, 7:30-9:30 pm (drawing to be held).  
Operation Crossroads Africa information meeting: Thursday, February 11, 4-5 pm somewhere.

**Boom, Doom or Muddling?**

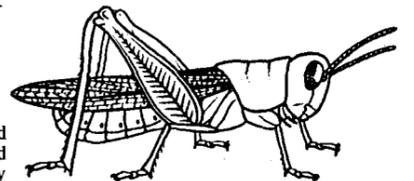
On Tuesday, Feb. 23, the Caltech Management Association is sponsoring a talk by Knight A. Kiplinger, discussing "America in the 1990's: Boom, Doom or Muddle Through". The talk will be at von Karman Auditorium at JPL at 5:00 pm. All Caltech employees and retirees are invited to this talk, in which Mr. Kiplinger (editor of *Changing Times* magazine) will discuss America's present and future position in the world economy. He predicts strong growth in the American economy between now and the year 2000. But is that good or bad?

**Science, Ethics & Public Policy**

On Wednesday, Feb. 10 at noon, professor Ronald Schaffer of Cal State Northridge will speak in the Judy Library, Baxter Hall, on the subject of "Bombing Civilians: The Lessons of World War II". Bring your brown bag lunches and listen.

**Start Making Sense**

UCLA history professor E. Bradford Burns will present a talk entitled "Making Sense out of the Central American Crisis" on Thursday, Feb. 11 at 7:30 pm in Baxter Lecture Hall. Dr. Burns has written several books on Latin American history, including *At War in Nicaragua: The Reagan Doctrine and the Politics of Nostalgia*, published this past year. A frequent visitor to Central America, he has travelled to Nicaragua six times in the past five years and his articles on the crises in Central America have appeared in papers across the U.S., including the *L.A. Times* and *Chicago Tribune*. President Reagan even announced to a press luncheon in Washington (Mar. 11, 1986) that he was one of Professor Burns' readers! Sponsored by the Central American Study Group, World Work, the GSC, The Caltech Y, and ASCIT.



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