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THE CALIFORNIA TECH

VOLUME XCIX, NUMBER 1

PASADENA, CALIFORNIA

FRIDAY, SEPTEMBER 19, 1997

CCO becomes ITS, moves to Steele

BY RED MIDDLESWART

CCO, the Campus Computing Organization, is no more. With the move from Jorgensen to Steele Labs they have transformed themselves into Information Technology Services (ITS). The move occurred because of the expansion and renovation the Computer Science department is currently undergoing. In addition a revamped web site was released featuring a motif that draws from the Spanish Mission style which has been making a comeback in campus building trends.

In a memo dated August 29, 1997, Rich Fagan, the Director of ITS explained the name change as better reflecting the

activities taken on by the old CCO. These include providing the campus network backbone, IP management, DNS servers, general purpose Sun Microsystems servers such as accord, stucco, and morocco.

Members of the Caltech Community wishing to have access to the new facilities in Steele can go to the new CCO front desk located in room 014 (sub basement level) where the presentation of a valid Caltech ID card will get you a nice shiny new Medeco that will let you into the labs. The ITS front desk provides all the services the old CCO front desk in Jorgensen include computer sales and services, software sales, and upgrades. On the second floor ITS

has merged its Macintosh, Wintel/PC, and Sun Microsystems based labs into a room spanning a good portion of the second floor. The third floor of Steele holds the ITS learning center. Training for both Macintoshes and Windows 95 PC's is available.

The CCO servers which provide mail and news services to the general campus will not be changing names. ITS will preserve the cco.caltech.edu alias so if you have an email address based on this name it will still work. If you have any questions or comments, please feel free to contact the Director of ITS Rich Fagen at ext. 3896, or via email at rich@caltech.edu.

EDITOR'S BOX

Hello Frosh,

And welcome to the little corner of the universe that will be your world for the next four years or so of your life. You'll do new things, meet new people, get yourself in trouble, get yourself out of trouble, and the other stuff that will come with becoming a Tech. *The California Tech* is the weekly publication of the Associated Students of the California Institute of Technology (ASCIT), the student government. This does not make us a tool of the administration. But occasionally we pass along useful information. We're published every Friday. You'll find copies any house lounge.

Now for a little editorializing. For the second year running Caltech has received Money Magazine's top ranking spot for "Best College Buy". For all of you taking out the big student loans this means you'll be able to pay them off before your children go off to college. Or at least that the education will be worthwhile. Caltech also reviewed the more dubious distinction of being ranked #1 Stone Cold Sober School in America by the Princeton Review. Now while Caltech isn't the biggest party school in the world, it's not like students here don't ever have any fun. This leads me to my next point.

Caltech is different. Not just in the "this is not high school" kind of different, but probably also different than what your friends are going to experience wherever they may be going to school. Get used to emails about the dorm snowball fight which make your 6 hour stay in UGCS that much bleaker. The days of doing three sports, editing the school paper, full load of AP courses, and a part time job are over. Tech is hard. But don't despair. Tech knows that transitions can be painful so they've given you a gift: two terms of pass/fail grading. This is so you don't have to worry about getting crushed by your roommate who has been publishing papers in academic journals for the past two years. Yeah, he's smarter than you. Yeah, he's taller and better looking too.

So you ask yourself, after you pick what little remains of your self esteem off the floor, "Why shouldn't I transfer to State University where I can be a big fish again? Maybe admissions made some sort of mistake." Trust me. They didn't. At times it may seem that way but you'll be able to struggle though. One of the things that makes Tech livable is friends. Friends help you. You help them. Most frosh classes have a liberal collaboration policy. Use it. You'll learn more in less time in good company.

These first few weeks here will have an significant impact on the rest of your years at Tech. On Monday you'll be whisked away to Catalina Island for Frosh Camp. Most of the stuff at camp is fun. However, there is also more serious business that gets taken care of. The big one is the BoC talk about The Honor Code™. The food could use some improvement. Our very own Business Manager Mic Westcoat will be a Kitchen Coordinator so now you know where to lay the blame. Not that he can do anything about it, but it's still nice to vent your anger.

Tech is as much fun as you want it to be. Maybe we aren't West Virginia University (#1 Party School in America), but we've got more ambitious things to do than shoot quarters from our noses. Like prank the Rose Parade.

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THIS WEEK'S FEATURES

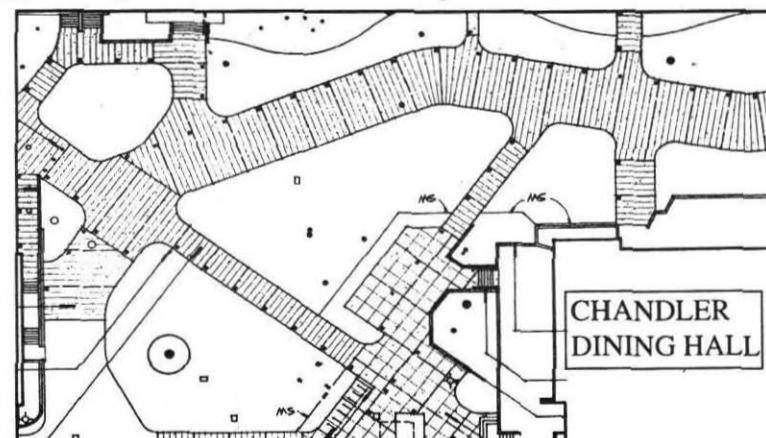
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BY TECH STAFF

As students return to Caltech this fall they will undoubtedly notice a few changes. The first and most noticeable is the extension of the mall which previously ran along the middle of campus between Baxter and Dabney Hall. It is now in the process of being extended along what used to be San Pasqual all the way to the Holliston intersection.

Caltech has been planning to extend the mall for the last ten years when an anonymous donor who has supported similar projects on campus in the past gave the funding for the mall extension. The project had to be put on hold however because thirty or so parking spaces on San Pasqual would have to be removed and there would have been a parking crunch. Now however with the completion of both parking structures and the additional parking under Avery the administration felt that the plans could be executed. Therefore construction began in July after several delays. The walkway should be finished and open at the end of the month though some gardening details will still remain undone.

Other changes include a full rehab of Chandler Dining



Hall which has been closed for the last few weeks. It is scheduled to reopen at the end of next week. Among the new Chandler features is the introduction of the Card System which has been running since midsummer. Food can be paid for by charging to a student id, using a debit card (the same debit cards that are used in Avery), or by paying in cash. The Red Door Cafe is not part of the rehab since it will be moving to the Winnett Center when the Bookstore rehab gets underway. Therefore the Red Door is open with a wider selection and the integration of the Card System.

The Bookstore renovations which had been rumored to begin this summer have been delayed, but should begin later this year. The renovation plans currently include enlarging the current bookstore to encompass most of the first floor of Winnett

and moving the Red Door Cafe over to adjoin with the bookstore. There are also plans to reface the exterior of Winnett to match the Spanish Mission Style which is used almost exclusively on the south side of campus.

Finally, CCO has changed its name to ITS or Information Technology Services and has moved from Jorgensen to Steele. This includes the Mac and PC labs, but UGCS is still in the same old place. Jorgensen is scheduled to be renovated this fall. The rehab includes rekeying the building to a Medeco.

With all of the new changes this summer and the upcoming rehab of Keck, Jorgensen, and the Bookstore, the third building boom on campus which also included Moore, Sherman Fairchild Library and Avery House is approaching completion.

LETTERS TO THE EDITOR

Sober up

In all the states in this country, a person is required to be 21 to purchase alcohol; in most, a person must be 18 to serve or sell it. On this campus, the new rules are so stringent that to pour a drink at a party, a person has to not only be 21 but a trained bartender. This is a measure that operates under the assumption that none of us are trustworthy with alcohol unless specifically trained to bartend and to refuse the underaged and the overintoxicated. The older rules, up until last year, were aimed mainly at enforcing the laws of the state, and yes, the new rules are in keeping with this idea—it was sometimes possible to get around the rules, certainly. But even the underaged and untrained barkeeps checked for the hand stamps that indicated those who were of age.

This policy seems at odds with the idea that, ac-

ording to a recent *U. S. News and World Report* article, Caltech is the most "Stone-Cold Sober School" in the nation. According to the national media, we are largely a group of mature, trustworthy students where drugs and alcohol are concerned, drinking little and only in times of de-

rety, or any other factors. To enforce it more strictly at parties only causes those who would drink to ask a friend who is legal to go to the bar for them. Or to get a parent to buy alcohol before coming to school and bring it along. We need to be trusted to make the right decisions for ourselves, and most of the world does trust us in that way—we were trusted to pick our school (and we chose well), we pick our friends, our majors, we decide the courses of our lives. It's too bad the administration at this school feels a need to work so hard—and force our houses to pay—to keep us from being able to make the simple decision of whether to raise a glass.

JENNIFER "JACK"
CUMMINGS
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"Maturity is a magical thing—now you see it, now you don't."

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Core class chaos

BY JOHN HATFIELD

As this year's freshmen enter the revamped core, perhaps it is time for someone to make a few comments about the successes and failures of the new core produced by the Core Curriculum Committee. Their name is unoriginal, but the ideas they came up with for the new core are unconventional for Caltech.

The most important thing they did was not what they added, but what they took out. Math, Chemistry, and Physics all had hours taken away. This in itself is not a bad thing, in this day of biotechnology, but the way it was implemented was disastrous. The former Math 1a got squished into half a term, since Probability was taken from the now nonexistent Math 2c and put in Math 1a. The results were obvious; the term of Math 1a was by far the least useful and most confusing of the terms of Math 1, and neither the basic calculus or the probability was taught with any sort of depth. In chemistry, the story is much the same. What used to be done in two terms was likewise compressed into one. And once again, the compressed term (2nd and 3rd into just 2nd term) proved to be not nearly as illuminating as it could have been. We rushed through Thermodynamics at a ridiculous rate, with almost no understanding of the derivations or underpinnings of the subject; it was everything a Tech class should not be: the actual theory were hardly explained at all, and we were asked to regurgitate algorithms and plug into formulas. I am told much the same effect was noticed in compressing the former Ph 2a and 2c into one term, and that many students did not feel they were given sufficient time to master the mathematically intense subjects of wave and statistical physics. I can only conclude that instead of trying to restructure or pare down their courses, instructors chose the easy path of simply compressing one or two of their previous term-long class plans, which left the students with a much worse understanding of their subjects.

Of course, this could be forgiven if the new classes Bi 1, and the menu courses, were worth the time of the students. Unfortunately, this did not happen to be the case. Bi 1 was an unmitigated disaster. Reading the notes of the class on the Web actually proved much more useful than attending lecture; the notes were reasonably clear and coherent, which is more than could be said for the lectures. And the search engine which allowed us to look through the notes proved quite useful, especially as many homework ques-

tions came straight from the notes and/or book. (Yes, sadly to say, the TAs did take sentences right from the book and make them into questions.) The tests came largely straight from the notes, and the search engine proved invaluable in answering the questions.

Perhaps I am being a bit harsh — certainly there are many interesting and exciting freshman classes (both Ph and Ch 1a are quite good). However, the administration does need to realize that many of the new courses still need to be revamped to improve their accessibility and usefulness. The compressed terms are not what Tech is meant to be: it is the administration's, and the departments', duty to mend this unfortunate situation.

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or by electronic mail to editors@tech.caltech.edu

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Caltech music programs

BY PERFORMING ARTS

From the beginning concert the repertoire of the Caltech Women's Glee Club has been eclectic — chant from the Middle Ages, Baroque cantatas, staples from the classic and romantic periods, to barbershop quartets, jazz, choreographed show tunes, and Caltech Gnome songs from the 1920s! Though the repertoire continues to vary, one thing has remained constant throughout the past two decades: Director Monica J. Hubbard's insistence that the Women's Glee Club is a place for everyone, regardless of vocal experience or expertise. She quotes Henry David Thoreau who said, "The woods would be very silent if no birds sang there except those that sing the best." So with integrity of purpose and sincerity of effort, the members of the Women's Glee Club — students, faculty, and staff — continue to "find a voice" as they study, practice and perform the finest in women's choral music and share their many and varied gifts and talents with the Caltech community.

All women in the Caltech community are welcome. Tryouts for the Glee Club this will be September 28, 1-4 and September 29, 2-4:45 in SAC 1.

1997-98 marks the 84th year of the Men's Glee Club at Caltech. Directed by Dr. Donald Caldwell, this organization strives to perform the finest in serious choral literature for both men's and mixed voices (with the Women's Glee Club) ranging from Renaissance polyphony to contemporary works (classical and jazz) and is open to all members of the campus community. The group rehearses three hours weekly and no experience is required to join. As a result the membership ranges from singers with extensive experience to new members who have never sung before... from faculty, post docs and grads to freshmen providing an unusual opportunity for interaction and enjoyment on a common level not usually available in a class environment. There are no auditions, simply a voice placement interview (9/28 2-5, 9/29 1-4 in SAC 3). Featured repertoire for the coming year includes Handel's classic oratorio Messiah (Part I) to be performed with orchestra in December. For further information, see www.cco.caltech.edu/~musicpgm/dgc/mgc.html

Unlike any other campus arts or musical organization, Chamber Singers is open only to students (undergrad and grad.) This sixteen voice mixed ensemble requires an audition (9/28 2-5, 9/29 1-4 in SAC 3) and performs a variety of specialized repertoire including costumed entertainments at the

Athenaeum and Dabney Hall in December, participation with orchestra in the annual All-Mozart Concert, and a cabaret evening of musical theatre in June. There is one rehearsal per week. See www.cco.caltech.edu/~musicpgm/dgc/cs.html

Everyone who plays an instrument is welcome to audition for Caltech's bands and chamber music groups. Two jazz bands, the concert band, and as many as twenty chamber groups all have openings for strings, woodwinds, brass, percussion, and keyboard players.

Nobody comes to Caltech to major in music, so all the music groups are structured with that in mind. Rehearsals are held just once a week, and concerts never take place during final exams. Playing in a music group at Caltech takes much less time than it did in high school. Rehearsal scheduling is flexible for chamber groups, and musicians receive a lot of individual attention from the coach.

In November the concert band will present a concert featuring guest conductor Daniel Kessner. He will conduct his new composition for band commissioned by a consortium of colleges that included Caltech. The concert band will also perform music by Gershwin and Sousa, and Holst's "Mars", played while recent pictures from the Pathfinder mission are shown on a big screen behind the band. Rob Manning, a graduate of Caltech, a member of the Caltech Jazz Band, and a Chief Mission Scientist for the mission will provide the pictures for that occasion.

Along with the Jazz band concerts, Chamber groups, such as string quartets, woodwind trios, and Baroque groups with harpsichord, will present a series of five different concerts in January, including the fourth annual Super Bowl Alternative Concert. It's held during the big game, but no musicians who want to watch football are ever asked to play in that concert. Every ensemble performs a complete work, with music ranging from J. S. Bach, to Mozart, Brahms, and a few contemporary composers.

Auditions will be held in room 12 of the Student Activities Center on Sunday, September 28, from 3 to 6 and 8 to 10, and Monday, September 29, from 4 to 6 and 8 to 10. You can sign up for a time on the sheets posted on the door of SAC room 12. Don't worry about the auditions! Everyone is rusty from traveling to Caltech, getting settled, frosh camp, etc. We only need to hear you play a couple of minutes, and if you don't have anything prepared, that's fine, too.

The Outside World

BY WREN MONTGOMERY

OSLO, NORWAY — US President Bill Clinton reversed his position on land mines at the international conference to ratify the international treaty outlawing anti-personnel landmines, saying he could not put US soldiers at risk by signing the treaty. This was the first international ban on weaponry since the end of World War I.

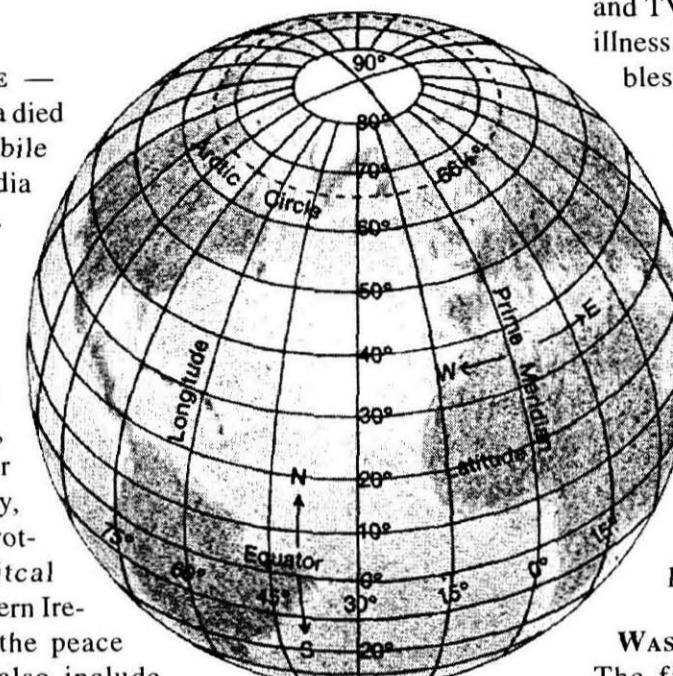
PARIS, FRANCE — Princess Diana died in an automobile accident. Media frenzy ensues.

BELFAST, NORTHERN IRELAND — David Trimble, leader of Ulster Unionist Party, the largest Protestant political party in Northern Ireland, joined the peace talks which also include Sinn Fein, the right-wing branch of the Roman Catholic Irish Republican Army. He is the first major Protestant leader to negotiate with Sinn Fein since 1922.

HANOI, VIETNAM — Tran Duc Luong, 60, a mining engineer from Quang Ngai province, is the new president of Vietnam. The

selection of an engineer rather than a military officer represents a change in policy by the Vietnamese Communist Party. The new Prime Minister is Phan Van Khai, 64, who expressed his interest in continued economic reform for Vietnam.

MEXICO CITY, MEXICO — The Zapatista militants who



have spent the last 4 years protesting the treatment of Indians in the Chiapas region spent 5 days in Mexico City rekindling support. No progress was made on the peace talks with Mexican government which were broken off a year ago.

MARS — One of the first discoveries

showing the Red Planet's increasing similarity to Earth was obtained from analysis of the Pathfinder data: Mars has a magnetic field.

RANCHO MIRAGE, CA — Red Skelton, comic creator of characters such as the Mean Widdle Kid ("I Dooed It"), war entertainer, radio and TV star, died after long illness. Good night and God bless.

WASHINGTON, DC — The Food and Drug Administration approved narcotic lollipops intended for treatment of "breakthrough pain" in cancer patients. The lollipops will be packed in childproof wrapping.

WASHINGTON, DC — The first major study of wetlands since 1990 revealed that over 1 million acres of wetlands in the lower 48 states have been lost over the period 1985 to 1995, despite increasingly strict protective laws.

Palo Alto, CA — Chelsea Clinton went to Stanford.

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Dean's Corner

Take Care!!

by Jean-Paul Revel

come your personal responsibility to get what you need by yourself. We the Profs. and others of our ilk will handle the legendary fire hose, and you will have to learn how to drink from it, rather than just getting wet.

You were all told about how good we are at Tech, and Money Magazine blah blah has told everyone that they were impressed by our student faculty (S/F) ratio. Never mind the other (M/F) ratio. A little arithmetic says that the S/F ratio is 3/1 BUT that's only arithmetic. You are entering the realm of higher mathematics and there the S/F ratio won't do a bit of good IF you wait for Profs. to seek you out, rather than the other way around. Go to lectures, even in the morning; don't ignore your TA. Visit your Prof. (How often have I heard ... but he was not there... when what actually happened is that you ran past her door and did not see her) Call (clue: there are paper phone books, and also a Web listing with phone numbers and email addresses which can be reached from the Caltech Homepage).

You are here to work, to learn, to grow and we are here to help you around the obstacles on your way. For many of you it will be the first time that you'll be surrounded by so many intellectual peers. That will be intimidating. Don't worry about

the others, just take care of yourself.

Don't become demoralized because someone else knows more, does better. Turn the tables by asking for their help. Most people like nothing better than to help, to explain. What with the pressure (one of the worst aspects of Caltech according to a recent survey) to get the work done for your classes, you will need to learn to relax, yet still keep up with your work. If you don't, you'll just be short-changing yourself. Not does your work have to be done it has to be done on time. Otherwise you'll have to do the present assignments, and last week's too and you don't need to wait till you become a seasoned rocket scientist to figure out that this means having to do twice the work in the same amount of time. Don't fall behind. If you do, however don't be ashamed or shy. Come right away to talk about it with a Dean; We have many ways to help you. Many of you have never been as challenged as you will be here and don't know, that's right, don't know how to handle that. If you wait till exam time to take note of such a problem, your road will be that much harder.

Another problem is that many things beside your studies will call for your attention. Your house, the student body in general, Caltech as a whole, need your participation on committees, meetings, confabs, services of many kinds. You also need safety valves such as par-

ties, dances, pranks and who knows what else can cool your overheated cerebral cortex. Don't take on too many responsibilities. The only person you'll short change is you if you try too much. I know I speak from the two corners of my mouth since I also want you to participate in student government, newspaper, social occasions and organizations. But basically things come down to this: you could have breezed through City U., and make the Dean's list there with hardly any work while involving yourself with the C.U.Flying Club and delivering food to the recluse, volunteering at the local hospital and playing the organ, while teaching at the local high school every Saturday and being the Editor of the School Paper, and training for the Swim Team. Here however you'll be hard put to get on the Dean's list, principally of course because we don't have one... but more seriously because of the fire hose I mentioned earlier, I am sure you get my point. Your first responsibility here is to study and learn. At

tempt the rest gingerly, till you know much you can handle.

And that's what we are here for, the Deans, the Advisors, the RA's, lots of other offices and groups that you'll get to know about. We are here to help you get what you came for: learn and grow in your understanding. Discover what you are best at, and acquire knowledge and experience. Don't hesitate for a minute to come and talk and tell us how you are getting along and whether you need some help. He who stumbles, she who hesitates may have a much harder time of it. We are on your side and pulling for you, but you have to give us your hand for us to do it effectively...

You won't need good luck because you will learn, I am sure, to work effectively and play smartly and learn to balance the demands of life so that you may enjoy it, your life here and then in the real world. So... break a leg!

A bientôt,



PAID ADVERTISEMENT

To: Students

Re: Decisions

Taxation without representation was official. Slavery was official. So was napalming the Vietnam countryside. On the other hand, Thomas Jefferson's Louisiana Purchase was unconstitutional, albeit technically. "Official" policy and decisions are not always correct. The United States Department of Health and Human Services (DHHS) just gave us decision No. 1582. It also gave us the calamity at Tuskegee, Alabama. During the "red scare" of the mid 1950's, it rescinded basic science research grants from university faculty with neither explanation nor notice. DHHS is not infallible. Panels make mistakes.

Still, you must speak up. Even though you'll lose your job. Even though your doctoral dissertation mentor will betray you. Even though you'll have to rummage through dumpsters for the tools you handmade. Even though you may have to turn to pharmacologists' inventions to help you with your despair. Even though your hunger strike will not receive the support it should. Even though you will be investigated, condemned, derided, misrepresented, and harassed. Even though you will be sued. Even though you will be threatened with physical harm. Even though your own grant will be rescinded. Even though you will think everyone but you has forgotten the whole point of science. Even though your letters will not be answered. Even though your supporters will be sued by the university for adhering to its very own policy. Even though, despite winning your legal case, the impostors will not even be reprimanded by the university. You've got to do it. I will appreciate it. And I will stick up for you. For free.

You know you are at Caltech in the United States of America not merely because you met the admission requirements. America and your Institute, especially its academic standards, have their origin in a tradition that has persisted for centuries. Truth in science always triumphs. But not without costs. Certainly not without courage. And sometimes it takes a while. That's the way it is. I don't know why.

Standards are everything. Acts helping set and maintain them contribute more to science than do all the data in 100 godzillion publications or even an experiment or two honored with your time's most coveted science prize. I'm glad Dr. O'Toole demanded a correction. Not only merely because the *Cell* paper is retracted, but also because it is easier for others to speak up. Fine behavior worthy of emulation. I thank God for the courage of Margot, Jeffrey, Robert, Walter, Ned, John, Carolyn, Serge, Paul, Pamela, J. Thomas, Helena, Dinah, Faith, Leon, and all others who stick up for good science. These are our most valiant. Embrace their example.

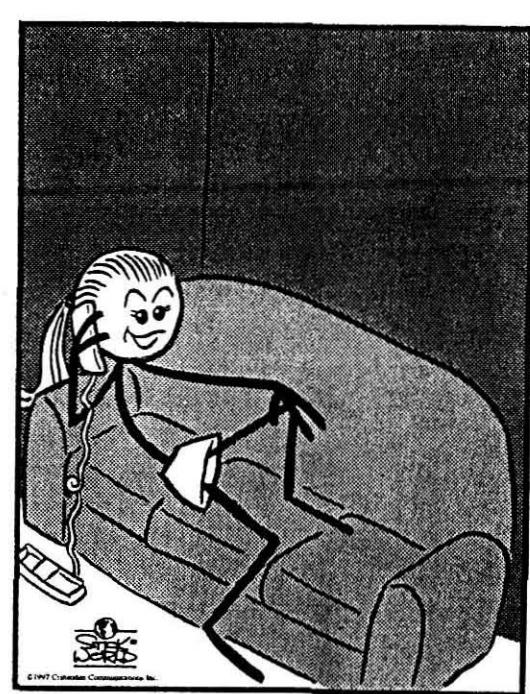
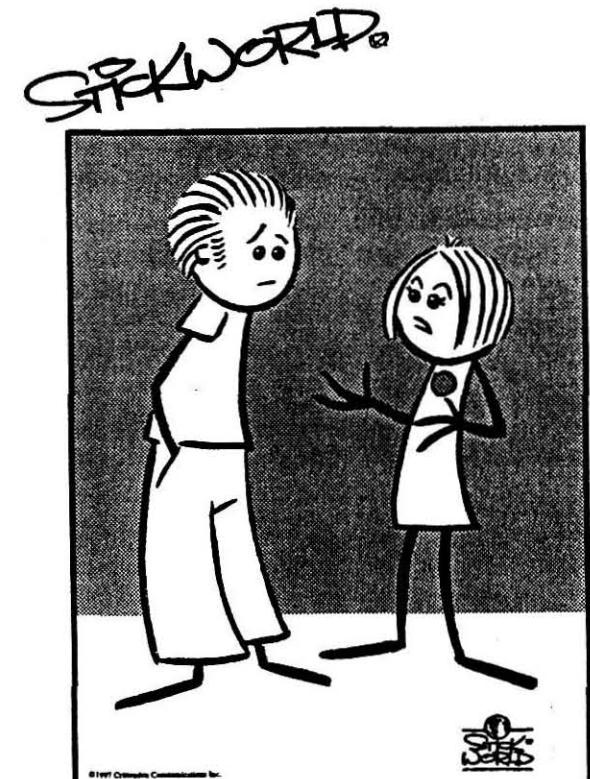
If you care more about learning, the educational process, duty, honor, and tradition than money and fame, you probably will be uncomfortable doing biomedical research in US academe. But make the challenge. Toot loudly and clearly. I'll stick up for you. I have to. I am a scientist.

God bless The United States of America.

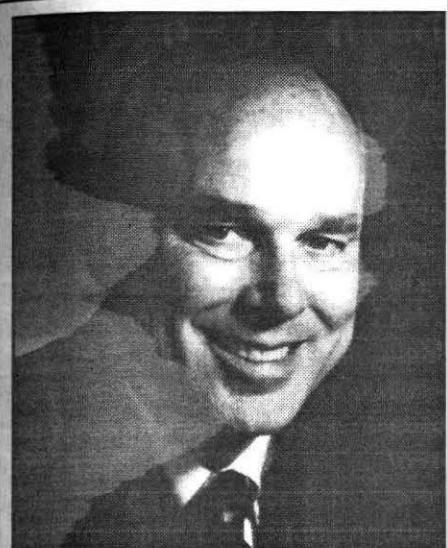
George D. Steele-Perkins, Ph.D.

S-P Computing
Franklin Mews
81 Orange Street
New Haven, CT 06510

Those employed by S-P Computing are solely responsible for this promise.

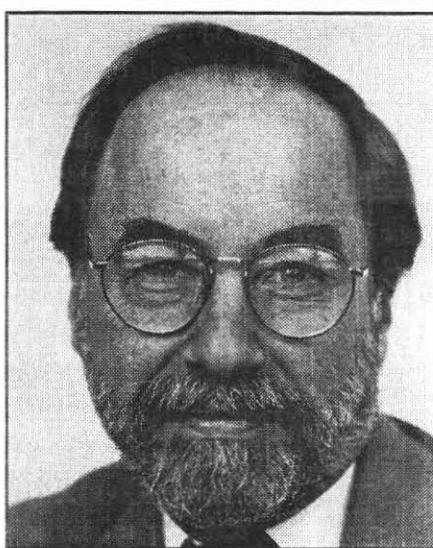


Hey Frosh! Here are some people you need to know.



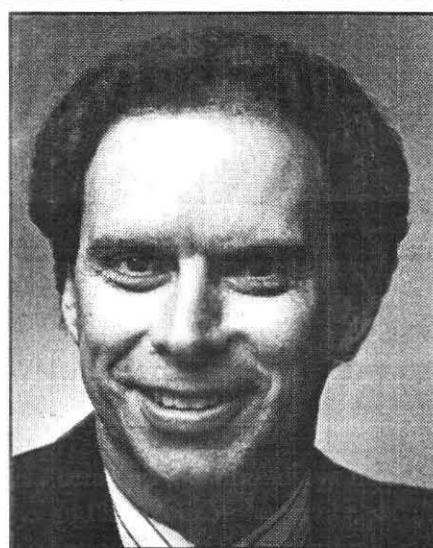
Name: Thomas Everhart, President
Purpose: Runs the place, till October.
Habitat: Alumni Fundraisers, Parsons Gates, 415 S. Hill Ave.

everhart@cco



Name: David Baltimore
Purpose: Will run the place.
Habitat: Some school out east.

still@mit.edu

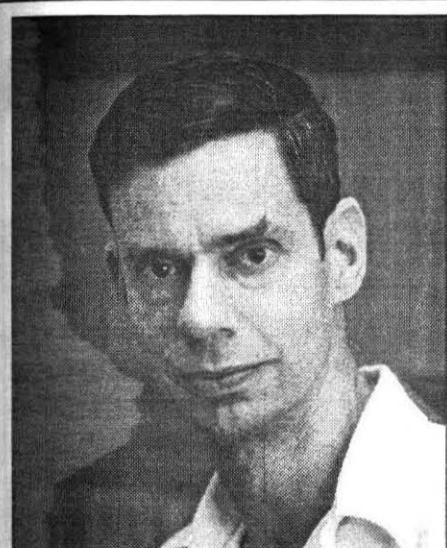


Name: Gary Lorden, VP Student Affairs
Purpose: Going fishing with Everhart.
Quote: "The Administration, as far as I know, has always supported pranks"
gary_lorden@starbase1



Name: Tom Mannion
Purpose: Runs Campus Services
Hobbies: Taking over other divisions, departments, and offices.

mannion@cco



Name: Steve Frautschi, MOSH
Purpose: Master of Student Housing, feeds students on occasion.
Habitat: 4th Floor Lauritsen, Steele House

scf@theory



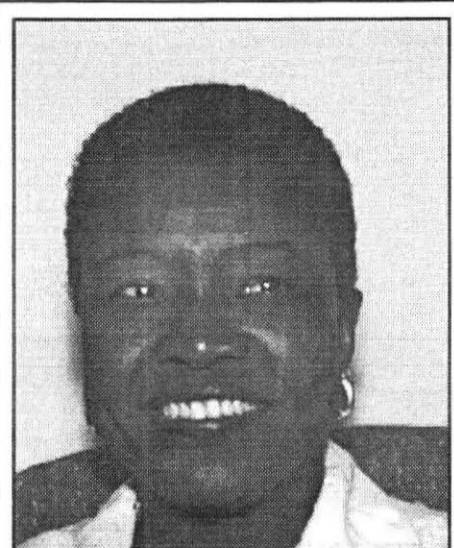
Name: Kim West
Purpose: Director of Residence Life
Habitat: Winnett Center, North side
Tip: Ask her what happened to Interhouse.

kimwest@cco



Name: Barbara Green
Purpose: Flame retardant.
Tip: If your advisor has taken off for Antarctica she can sign your Add/Drop Card.

barbara_green@starbase1



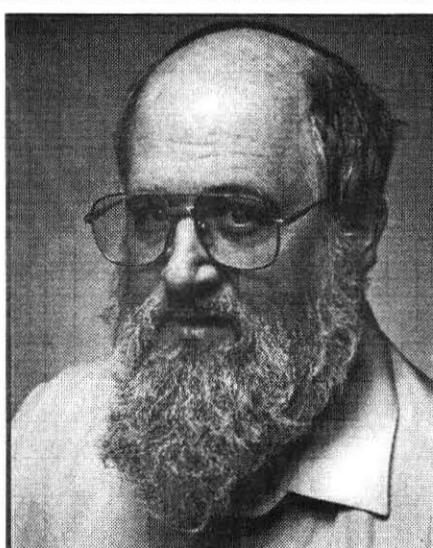
Name: Gloria Brewster
Habitat: Registrar's Office.
Traits: Has impersonated Santa Claus
Purpose: Eats Add/Drop Cards in exchange for cookies.

ghb@cco



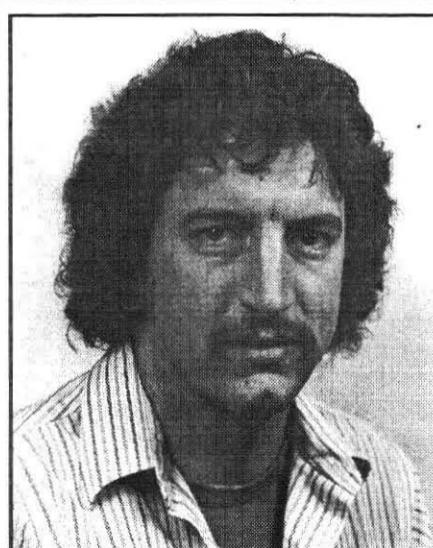
Name: Nate Lewis, Chem 1a
Habitat: 22 Gates, Magazine and newspaper covers everywhere.
Special Event: Pond him on his birthday.

nslewis@cco



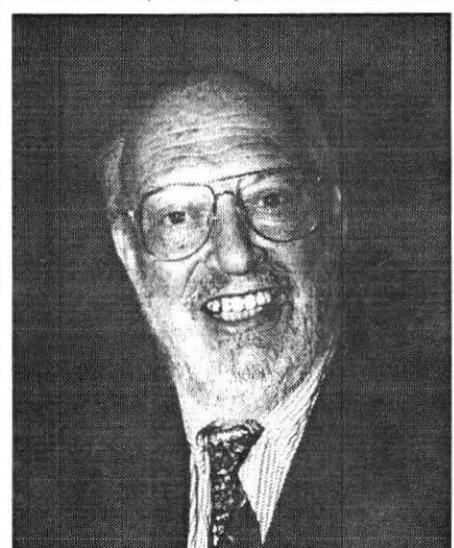
Name: Barry Simon
Purpose: Signs Erik's Add/Drop Cards
Habitat: 1st floor of Sloan
Trait: Will be at every Math 1a lecture.

bsimon@caltech.edu



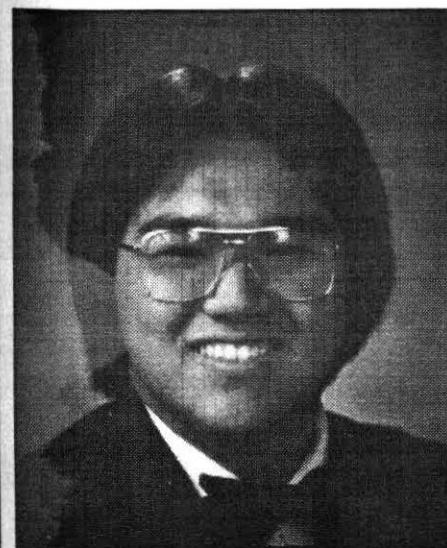
Name: Brad Filippone
Claim to Fame: Phys 1a Prof.
Habitat: Kellogg Radiation Lab
Tip: Has tried to electrocute self as a demo

brad@krl



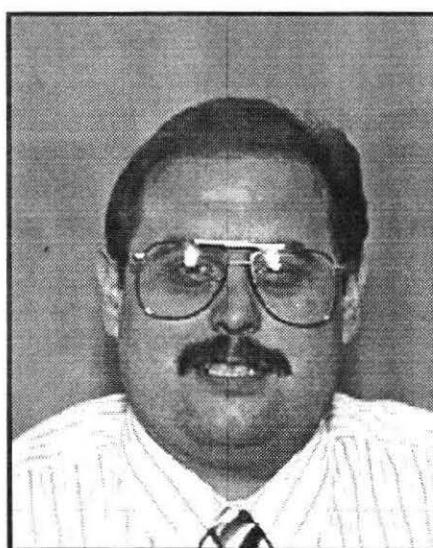
Name: Jean Paul Revel, Dean of Students
Purpose: Bi 1, writes for *The Tech*
Habitat: Dean's Office, Biology Department

revel_j@cco



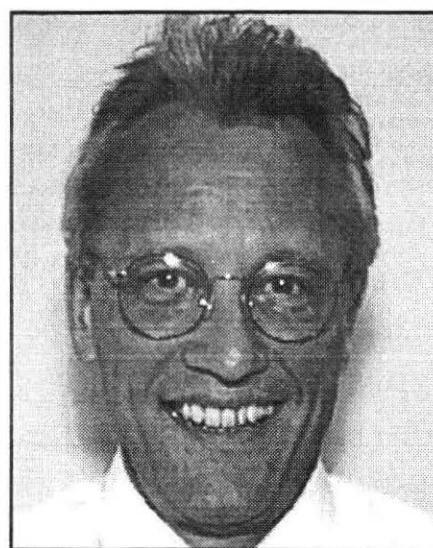
Name: Biff Yamazaki
Purpose: Runs Housing
Tip: Got a housing problem? Visit him or call x6176.

bifffhsg@portia



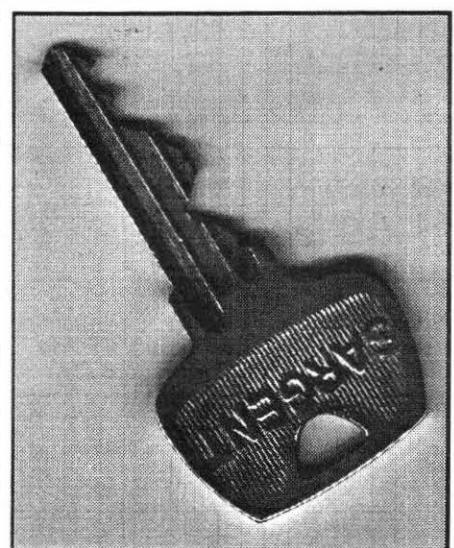
Name: Tony Valdespino
Purpose: If your door won't shut or your sink is clogged, this is the man to call.
Habitat: Housing Annex, or call x6175.

tv@cco



Name: Lee Reavis, Food Service
Purpose: Feeds Us.
Habitat: Somewhere in the kitchens.
Trait: Likes to wear loud hats.

reavis@cco



Name: Key Shop
Purpose: Lets you in.
Tip: They close at 4:00 PM. Come early and come often.

just_drop_by

this map is not to scale

Legend

\$ Banks

Books

Groceries

Movies

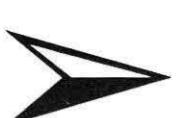
Videos

Healthcare

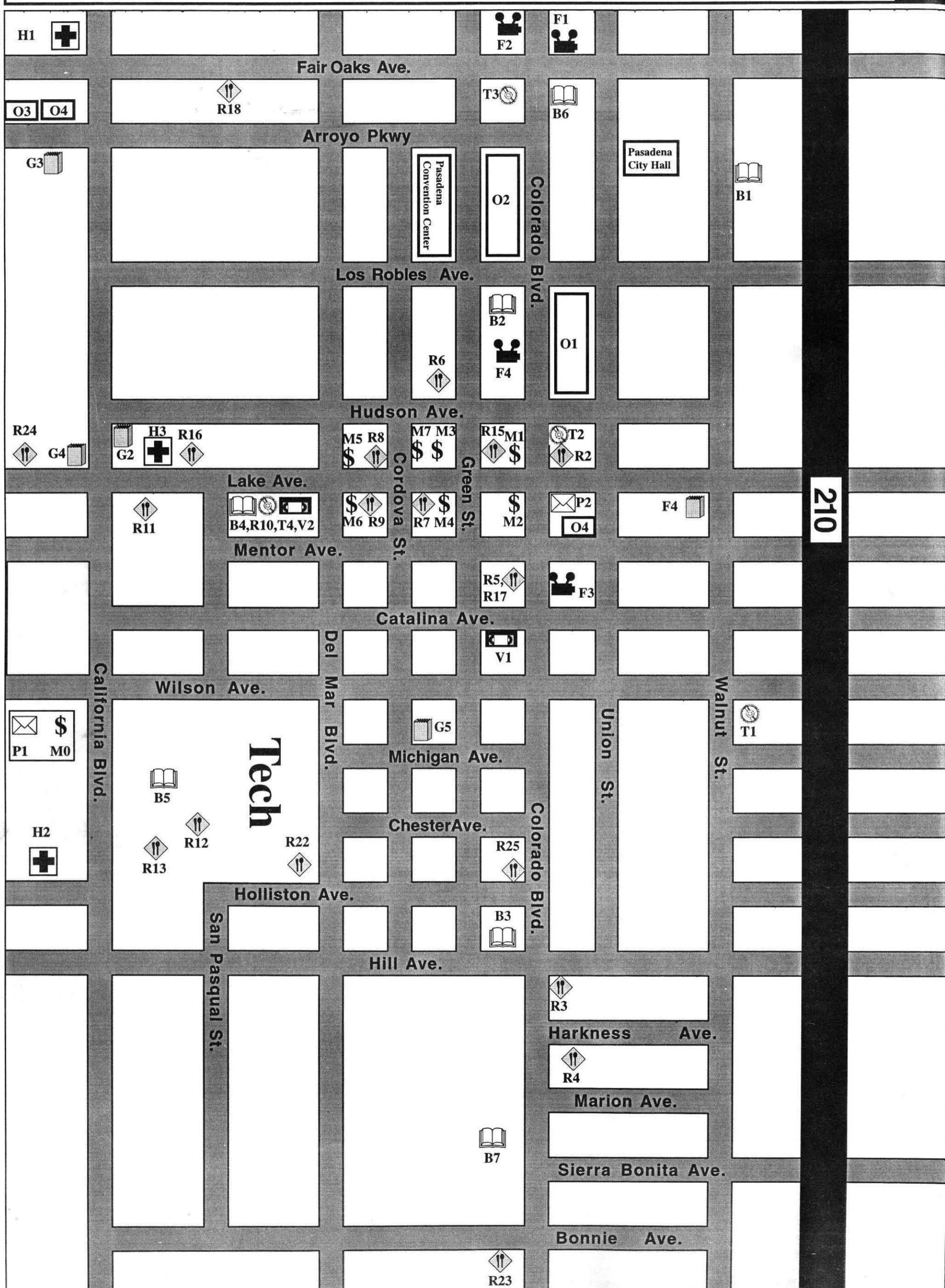
Music

Post offices

Food



NORTH



Shops, services, and other stuff in the Caltech neighborhood

BY VALERIE ANDERSON,
ERIK STREED, AND
WREN MONTGOMERY

More complete listings can be found in the little t. This should get you started.

Books and Libraries

B1. Pasadena Central Library. Larger than the Hill Avenue branch, but farther. You need proof of address to get a library card.
 B2. Cliff's Books. Open 'till midnight every day! Great atmosphere, lots of books on a very wide variety of subjects.
 B3. Pasadena Library (Hill Ave. Branch)
 B4. Super Crown. Chain bookstore.
 B5. Millikan Library. Really limited fiction section; not good for Humanities research. Largest library on campus.
 B6. Barnes and Noble. The trendiest bookstore in Old Pasadena features a good magazine selection and reasonable prices on a large inventory of ordinary books.
 B7. PCC Library.

Tapes, CDs, and Music

T1. Pooh Bah. Used and new CDs for sale or trade. Great place for harder-to-find music.
 T2. Canterbury Records. Good classical music selection.
 T3. Penny Lane. Neat postcards. A reasonable alternative to Pooh Bah.
 T4. Tower Records. It's the closest recorded music store to campus. Too bad it has the highest prices. However, it can be a good place to rent videos.

Grocery Stores

G1. Ralph's. Big and cheap. Kind of far, though, and it feels spooky walking back at night. If you have a car, you'll probably shop here.
 G2. Pavilions. Higher prices than Ralph's and it's smaller. Pretty much your only choice by foot.
 G3. Trader Joe's. Not a place for everyday shopping. Gourmet and health foods.
 G4. Wild Oats. Very good organic and natural foods store. Recommended—if you have lots of money to spend.
 G5. Eddie's Market. More of a convenience store. It's very close and you can get pretty darn good deli sandwiches.

Restaurants

R2. Coco's. Kinda like Denny's. Del Taco is just so-so.
 R3. Jack in the Box, Carl's Jr.

Fast food.

R4. News Junkie Cafe. Magazines and coffee.
 R5. Subway.
 R6. Tarantino's. Good pizza and Italian food.
 R7. Coffee Bean & Tea Leaf. Try their desserts someday.
 R8. Souplantation. All-you-can-eat soups, salads and pastries. A good place for vegetarians. Bring your Caltech ID for a discount.
 R9. Au Bon Pain. Fast food place featuring all kinds of sandwiches. Tony Roma's serves ribs and fabulous onion rings. Try Panda Express for edible Chinese fast food. Baja Fresh, on the corner of Lake Ave. and Del Mar Blvd., features really good California Mexican food.
 R10. Jasmine Terrace. Vietnamese food. New.

R11. Pete's Grandburger.
 R12. Red Door Cafe. Berkeley-esque. Believe it or not, undergrads do sometimes eat here. Chandler Dining Hall. Care to pay for food service fare?

R13. Caltech Coffeehouse. It features great milkshakes, lots of comics to read, and a convenient location in the SAC (right under the South House complex)! Believe it or not, grad students do sometimes eat here.

R15. Pasadena Cafeteria. Good, hot, extremely cheap food.

R16. Burger Continental will give discounts to Techers with ID.

R17. New Delhi Place. Good Indian food and a fairly cheap all-you-can-eat lunch buffet. Fraedo's serves better-than-average pizza and will deliver to campus (568-0505).

R18. Kansai. Quality, authentic Japanese cuisine.

R22. Avery Cafe. The only place to get food at night using just your ID card.

R23. Burger King.

R24. Noah's Bagels. Closest bagels to campus.

R25. McDonald's.

Banks

M0. Caltech Credit Union
 M1. Home Savings
 M2. Bank of America
 M3. Coast Federal
 M4. Wells Fargo
 M5. California Federal

M6. American Savings.

M7. Sanwa Bank.

Post Offices

P1. Caltech Post Office. Mail Services 91125
 P2. Pasadena Post Office. Has P.O. Boxes

Films and Movies

F1. AMC Old Pasadena. Current movies. Caltech discount.
 F2. UA Marketplace. Slightly farther than the AMC and shows the same stuff.
 F3. The Academy is a second-release budget theatre. A little scary—try to avoid the bathrooms and watch your wallet. Really cheap.
 F4. The State Theatre. Right now, it seems to be showing classic movies.

Videos and Rentals

V1. Laser Library. Extensive selection of laser disks.
 V2. Tower Records, Blockbuster Video. Tower offers single-night rentals and is usually cheaper than Blockbuster. However, Blockbuster has the larger selection.

Health and Hospitals

H1. Huntington General Hospital. The closest hospital to campus. Takes Caltech ID.
 H2. The Caltech Health Center. Handles minor injuries and other problems such as allergies and colds. Very limited hours.
 H3. California Pharmacy. A general drugstore that will fill prescriptions.

Other

O1. Target. A good general retail store. It sells furniture, bedding, appliances, housewares, clothing and lots of other stuff.
 O2. Plaza Pasadena. A mall.
 O3. Staples. Sells stationery, binders, and all sorts of office equipment.
 O4. PetCo. Pet supplies. Two locations. Good for pranks.

Old Pasadena has a lot of other stores and restaurants. Check your *little t* for more information.

The Huntington is around California and Sierra Madre. Its gardens can be a relaxing place to take finals.

Be a part of The Business End of *The Tech*.

Circulation, Office, Ad Layout, Ad Sales

• • • Anything • • •

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and we'll find a job that's right for you.



Jasmine Terrace

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To all members of the Caltech Community,
A big thanks for your support!

The only Vietnamese restaurant in Pasadena

LUNCH SPECIAL \$4.95
DINNER SPECIAL \$6.50

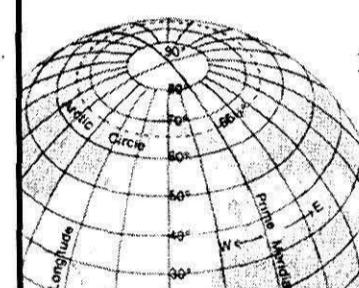
Catering & Delivery (5 orders or more)

If you like Thai food, you'll love our Vietnamese Cuisine!

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Essentials for the modern nomad

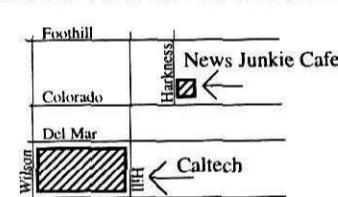
A journey begins with a single step.
Come here before you make that step.



Travel Books • Clothing • Journals
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- POETRY READING EVERY OTHER SAT. AFTERNOON •
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- SANDWICHES & SALADS •

FREE BAGEL W/PURCH. OF REG. COFFEE DRINK

OFFER GOOD WITH THIS COUPON

EXPIRES DECEMBER 15, 1997

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Caltech Community:

Buy 5 burgers, get a

FREE cheeseburger,

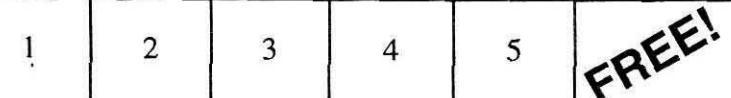
fries and drink with

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THE ORIGINAL established in L.A. since 1950



Background Noise

BY RON DOLLETTE

Welcome everybody to the first installment of *Background Noise*. If you're from a town that only had five radio stations (four of them country and the fifth was Spanish) then it won't surprise you that the Los Angeles area has more radio stations than you'll ever listen to. They've got something for everybody. The hard part is getting good reception. I used a small, but high-end tuner sitting on a fridge that was in between two huge computer towers. PCs tend to generate a lot of interference for radio stations, so this should be a good barometer. I'll list the frequencies at the end.

My favorite station is KROQ. Yeah, yeah, before you start calling me a chump or a sell-out and so on, just hear me out. KROQ has the best variety of any station. Anywhere. The genres of music that it encompasses are much broader than every thing else. They'll play typically anything that is alterna-rock. But they also play some ska and old school 80's

synth-pop favorites from Devo and The Sundays and so on. Around midnight they'll start playing techno in large chunks before they hit the late night 3am stage when they just experiment with the most obscure quote-unquote music.

A perhaps more approachable alternative (and another good station) is Y107. They play a lot of the modern stuff and some 80's stuff, too, but in general it's nothing but the newest music. Expect to hear the same song 15 times a day, though. There isn't much variety to it.

The only downside to KROQ and Y107 is that they don't play as much hip-hop and R&B as I'd like. To alleviate the pain, there's The Beat and also Power 106. I prefer Power 106 because there's less of the cheesy 80's Jody Watley / Lisa-Lisa type of music. That's not R&B. That's Lisa Watley. Anyway, Power 106 play R&B as well as rap and old school. For dance music, the best is Groove Radio.

For those who prefer a Top

40 mix of all the popular music of the day, there's KIIS, KBIG, and Star. They all play proven favorites like Sheryl Crow and Seal and Phil Collins and Hanson and so on. Of course, there's still a healthy dosage of cheesy 80's music. I prefer KIIS but I don't listen to it unless every other station on the planet is playing Melissa Etheridge.

There are some pure rock stations, all of which are very good. Arrow 93 never seems to run out music that's always good. KLOS is another great station that mixes classic rock with new music. Both have an excellent variety, while Arrow tends to play more fun and nostalgic music. KLOS on the other hand is easily the best mix of new and classic rock.

For more information on these and other stations, consult your *little t* when they come out.

What	Where
KROQ	106.7
Y107	107.1
The Beat	92.3
Power 106	105.9
KIIS	102.7
KBIG	104.3
Star	98.7
Arrow 93	93.1
KLOS	95.5

Caltech Jazz Bands Concert Band Chamber Music

Auditions

Sunday, Sept. 28
3:00-6:00
8:00-10:00

Monday, Sept. 29
4:00-6:00
8:00-10:00

Student Activities Center
Room 12
located under Fleming House
sign-up sheets posted on door

All * members of the Caltech community are welcome, regardless of previous experience.

Questions? Contact
Bill Bing (bands) wbing@cco, (213)684-8964
Delores Bing (chamber music) dbing@cco, (213)684-8964
or consult our web page
<http://www.cco.caltech.edu/~musicpgm/instrumental.html>

*Pianists auditioning for chamber music must be Caltech students



Andy's Answers

BY ANDY NURRAN

Dear Andy,

So I went to dinner and now I can't get back into any of the buildings on campus. This doesn't seem to be a problem for anyone else on campus. What's going on?

Locked out

Dear Keyed Off.

Campus Security locks up most buildings a bit after 5 PM on weekdays and keeps them locked on weekends. There are basically two options for you, aside from breaking and entering (see Crime and Incident Beat, next week). The first is to find your friendly local security guard and pester them until they let you in the building of your choice. Normally if you have a good reason they will let you in, eventually.

The choice 9 out of 10 Techers prefer is to get a key. Most buildings south of San Pasqual St. can be opened using a South Master. To get one go to the Res. Life office in the back of Winnett Center. If you can name three buildings on South that you need to get into (hint: Bridge, Sloan, SAC) they'll give you forms to fill out and then send you over to the Key Shop, located on the Physical Plant parking lot behind Jorgensen. For any other random key you need, (say a Steele key so you can use the new ITS computer lab) find out who controls the key (in this case someone living in 014 Steele) and ask them if you can have one. If you nice and they think you need one they will give you the papers to get it out of Key Shop.

Dear Andy,

Some guy named Rob took my picture with a digital camera and said that I would have an ID card waiting when I got back from frosh camp. What's it good for and where can I find this guy again?

Card Smard

Dear Smard,

The Caltech ID Card tells the world your a student here. It's good for student discounts at local merchants. On campus you can use it to charge at the bookstore, up at Avery, and also at Chandler Dinning Hall. If you go to the Library they will put one of their bar code strips on it and you can check out books. As for Rob, try Housing Annex.

Dear Andy,

I'm going to Catalina Island. Any tips on what to bring?
Happy Camper

Dear Happy,

I'd suggest sunscreen, a swimsuit, a sleeping bag, and a pillow. In addition you might want to stop by Pavillions or Ralphs and get your own juice boxes, the stuff they serve is really bad.

Dear Andy,

My parents gave me their old Apple IIe to take to college. Where do I go to get a computer made in this decade?

Outdated and out of luck

Dear Out,

Where you go depends entirely on how much money you want to spend. For the thrifty shopper I suggest the loading dock between Booth, Steele, and Jorgensen. Lots of interesting computer hardware surfaces their before it's final trip to the great computer lab in the sky. For those of you with a few grand to spend I would suggest either ordering through a catalog or going to ITS in Steele and seeing what deals they have. ITS normally has a student discount but this is balanced by the fact they list at full retail.

Dear Andy,

Is it true that only a hoser would write both the questions and the answers in an advice column?

Your Evil Twin Brother Skippy

Dear Skip,

Aren't you suppose to be hiding my homework and destroying my last clean pair of socks?

A.S.C.I.T.

Minutes

4 JUNE, 28 JULY, AND 18 AUGUST 1997

Minutes of the ASCIT BoD Meeting, 4 June 1997

Present (at some point): BoD (minus Lori and Maria)

(This week Andy = Mike W. and Barney = Mike A.)

Meeting opens at 18:28.

Barney - Ricketts is requesting Special Events funding for flooding their courtyard.

Meeting recesses at 18:36 to eat. Meeting brought back to order at 19:13.

BoD votes 1-5-0 to give Ricketts \$250 (a nay).

BoD votes 4-2-0 for \$200 (a yea).

Kiran - Registration for the ASCIT Van is due June 18th. BoD opts not to pay registration on van we can't use. BoD votes 6-0-0 to give van to Student Affairs.

Kohl - Gave the ASCIT gift to Gary Lorden. It went "well".

Meeting was adjourned.

Minutes of the ASCIT BoD Meeting, 28 July 1997

Present (at some point): BoD (minus Lori and Sid), Kristine Nielson, Mic Westcoat, Wren Montgomery, Erik Streed, Ryan Cox, Abraham Kuo, Jaideep Singh

(This week Sid = Mike W. and Nancy = Mike A.)

Meeting opens at 23:05.

Dealing With Guests

Abraham - Presents compensation schedule for *little t*. Schedule is approved 6-0-0 by BoD.

Mic - Presents a new Tech compensation schedule. This new plan simplifies circulation staff payments and reduces the Business Manager ad commission to a flat rate. Eliminates the position of "Strategic Advisor". BoD votes 6-0-0 to approve.

Nancy - Wants recognition for the Fun Club. BoD approves 5-0-0 (Maria has split).

Ryan - Wishes to protest Mic's new compensation schedule. He believes that the Business Manager is under worked and over-

paid and claims that previous BM's have made as much as \$10K in a year. The flat rate proposal of 15% could possibly inflate this number. Ryan's main concern is not unfair compensation, but that a flat rate offers no incentive for the BM to charter new ads. An argument over what kind of cash the BM really makes ensues and it is settled that \$5k is a reasonable lower bound on compensation. In light of Ryan's remarks, the BoD overturns its previous decision and votes to reject the new Tech compensation schedule by a 4-1-0 vote (Maria no longer present). Mic is asked to develop another proposal. Ryan also raises a concern that the circulation staff is overpaid in the newly rejected compensation schedule.

Kristine - Wants money to do a prank.

Erik - The *little t* has made some adjustments to the Tech's computer hardware without the Tech's input. The Tech wants problems with sharing their resources resolved. BoD suggests that the problem be resolved by the Business Managers and that there is a meeting to resolve any remaining problems.

Wren - The Student Publications Darkroom has fallen into disarray. Wren is appointed to be Student Publications Darkroom Chairperson.

Jaideep - The IHC wants more money for food. Too bad.

Officer Reports

Baldeep - Meeting with folks from Sherman Fairchild Library to get library hours extended.

Kiran - It turns out that one needs a special license to drive the ASCIT van because of its high occupancy. Anyone getting this license is subject to period drug tests. So, besides the fact that we never had insurance on the thing, it was illegal for any of us to drive it. We can't give the van to Student Affairs (who wants the drug tests?) so Kiran will look into selling or trading it.

Adrienne - The BoD is planning on having some sort of fun at its club fair booth. Possibilities include a dunking booth and sumo wrestling.

John - The Executive Social Committee has only \$600 left in its budget for the next two terms. The elections/copies/other account has -\$317 because it was drawn on to pay for gifts for Everhart and Lorden. There is \$447 left over from club allocations that were not picked up. The copier account contains \$1500 for no reason at all. BoD votes 6-0-0 to move left over club money to the elections/copies/other account and to move the copier money to the ESC. Filed taxes from the last three fiscal years.

There may be a fine on the two years of late taxes. *The Totem* may not be published this year because the editors claim they cannot publish within budget. Should ASCIT turn over its checkbook to our bookkeeper? This would create a delay in getting money but it would streamline the accounting process. John is looking into this. Should ASCIT keep its bookkeeper in general?

Nancy - Ryan is using his evil influence to get the ASCIT office door to say ASCIT. The bylaws on the web are as up to date as I know.

Maria - The BoC is trying to make this year's Frosh Camp BoC talks more interesting. Good luck.

Kohl - Has had no luck on getting a preview of the BoD's picture in the Big T. Is organizing a meeting with the Tech about funding, the faculty, and free speech issues.

Meeting closes at 1:37.

BoD votes to fund Kristine's prank idea.

Meeting adjourned at 1:40.

Minutes of the ASCIT BoD Meeting, 18 August 1997

Present (at some point): BoD (minus Lori and Boba Fet), Abraham Kuo, Chris Liu, Kara Swedlow

(This week Boba Fet = Mike W. and Greedo = Mike A.)

Meeting opens at 18:04.

Dealing With Guests

Abraham - Presents a publication proposal for the *little t*. This year's edition will cost more to publish but the money is available within budget. BoD approves 6-0-0.

Chris - Requesting special events funding for APSU.

Lori (sort of) - The BoD looks over her proposal for an orientation week women's meeting chez MOSH complete with grad. students and professors.

Proposal is tabled pending further details.

Adrienne - Wants recognition for the Bowling Club. BoD approves 6-0-0.

Greedo - Wants recognition for the Pathetic Excuse for a Sport Club. BoD approves 6-0-0.

Officer Reports

Baldeep - Sherman Fairchild Library is not receptive to idea of extended hours during exam periods. Will attempt renegotiation pending purchase of a six-pack of "whoop ass".

Kiran - Working on a flyer for the ASCIT booth at this year's club fair. Apparently Stanford has a web based system where students can buy and sell books that eliminates the greedy middle-man (the bookstore). Kiran is looking into setting up a similar system.

Adrienne - Working on ASCIT club fair booth and post-rotation Olive Walk beer bash.

John - Remembers that it's about time to think about the ASCIT annual report. Responsibility for its format is thrown onto Greedo's narrow shoulders. ASCIT has a bunch of money allocated for improvements to the coffee house. John suggests that we get bound editions of

MINUTES CONTINUED ON PAGE 11

SING Messiah

BY GEORGE FRIDERIC HANDEL

WITH THE
CALTECH GLEE CLUBS

TRYOUTS

SUNDAY, SEPTEMBER 28

MONDAY, SEPTEMBER 29

STUDENT ACTIVITIES CENTER

WOMEN'S GLEE CLUB

CLEF HANGERS

1-4 P.M. SUNDAY

2-4:45 P.M. MONDAY

SAC 1

MEN'S GLEE CLUB

CHAMBER SINGERS

2-5 P.M. SUNDAY

1-4 P.M. MONDAY

SAC 3

QUESTIONS?

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DIRECTOR, MONICA HUBBARD
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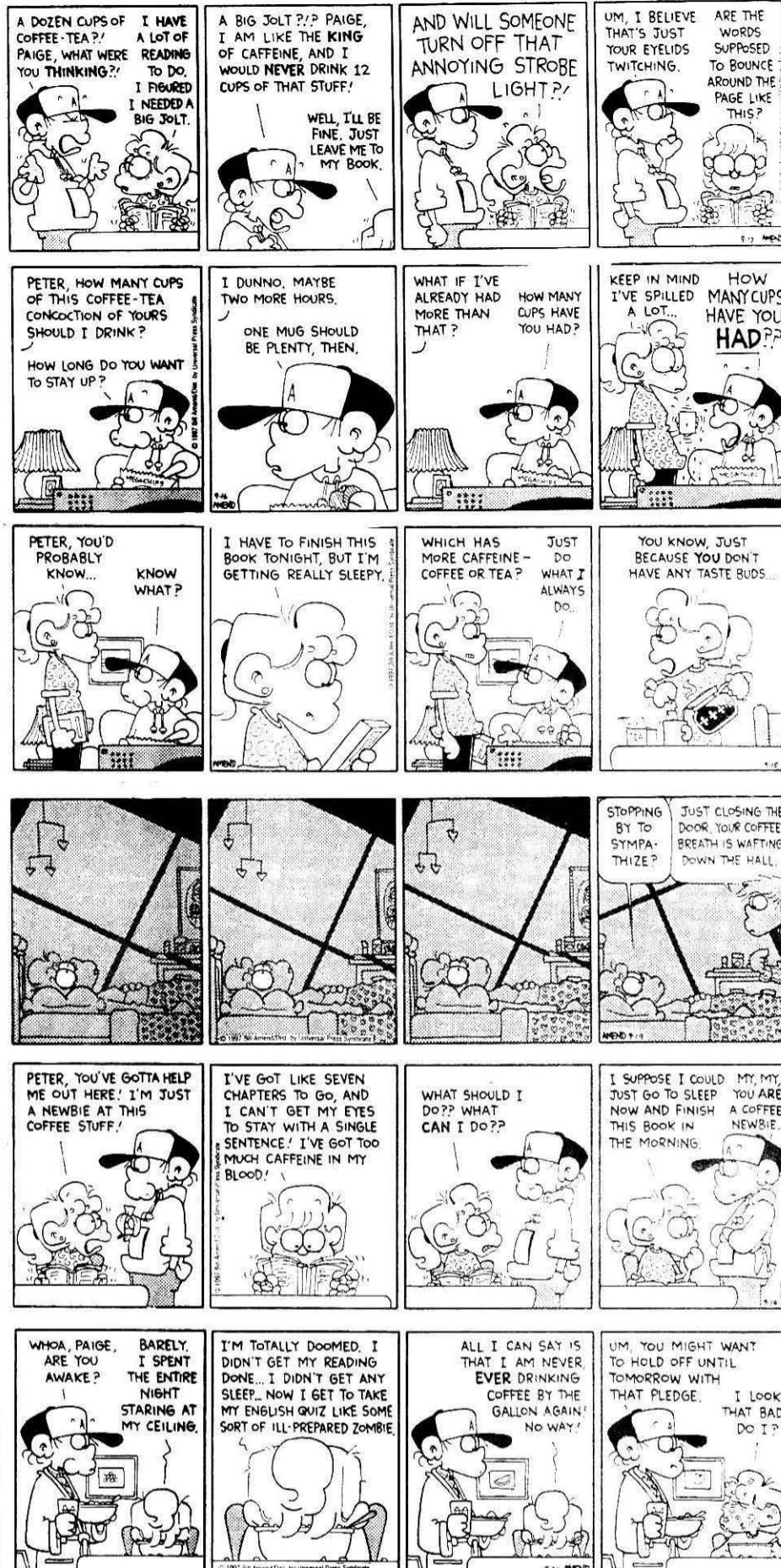
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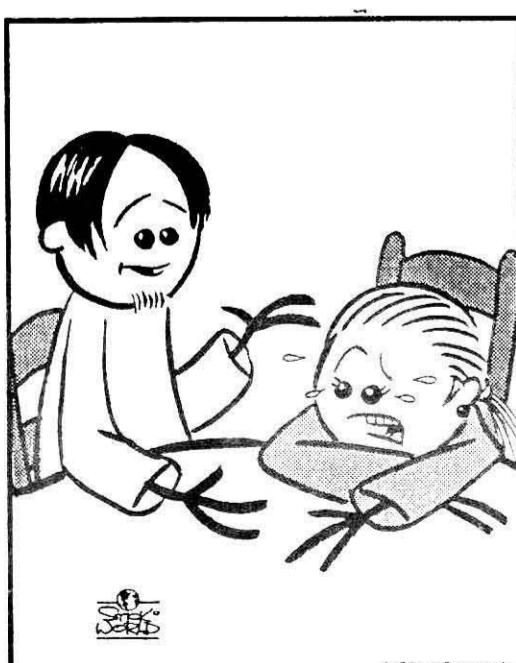
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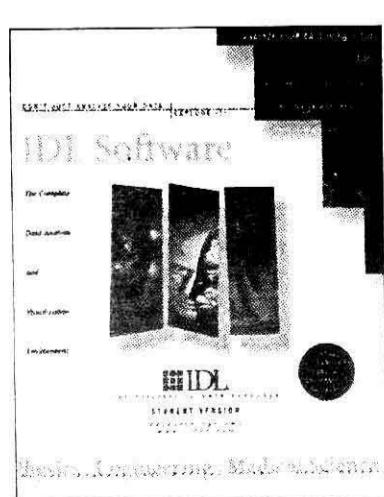
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SPORTS

Seasons Start for Cross Country, Water Polo, Volleyball and Soccer

BY ERIK STREED

The Caltech Cross Country Team started off the season last Saturday the 13th of September with the Whittier Invitational between Ralph Clark and Buena Parks. The men's team placed 16th but the women lacked a full team so they didn't place. The Cross Country Team's next meet is this Saturday the 20th of September at Westmont College. The Cross Country Head Coach is Don

Bené, x3262.

In Women's Volleyball news Coach Maureen Burl and her Lady Beavers will be returning to home turf this Saturday as they play California Christian again in Braun gym (JV at 1 PM, Varsity at 6 PM). The team will have returned from a road trip to Prescott, AZ where they met Embry Riddle on their home turf and rematch Southwestern who they bested 3-1 in their first match of the season. The Lady Beavers are off to

a good start having sustained only the loss to LIFE Bible (0-3) while beating Arizona College of Bible (3-1), California Christian (3-0), and Southwestern (3-1). Coach Maureen Burl can be reached at x3266.

The Caltech Men's Soccer team got off to a poor start last week at the Oxnard Tournament. They lost to LA CC (1-9), Oxnard JC (1-6), Cal. Lutheran JV (0-6), and Hancock (2-6). Their sole win was a forfeit by Rio Hondo JC.

Hopefully things will take a turn for the better when they play the Alumni team this Saturday at 11 AM. Head Coaches are Julie Tingle, x3260, and Phil Howells, x6148.

The Caltech Water Polo Team will be playing a very familiar foe: the Caltech Alumni. See the Alumni in the Alumni Pool between Brown and Braun Gym this Tuesday at 11:00 AM. Caltech Water Polo Team Coach is Clinton Dodd, x6853.

MINUTES... FROM PAGE 9

past Techs. He's looking into costs.

Greedo - The office door still does not indicate its actual occupants. Looks like Greedo might have to actually do this one himself. After discovering the joy of the <TABLE> tag, is busy making the web site look nice. Coming soon: porn! No web site is complete without it.

Maria - The BoC is trying to make this year's Frosh Camp BoC talks more interesting. Good luck.

Kohl - Thinks maybe we can join the alumni team for Gradiators this Saturday. Would like to have an ASCIT retreat with the old and new BoD. Baldeep and Kiran are looking into getting Capra Ranch for the appropriate weekend. Student Affairs is going to foot the bill.

Meeting closes at 19:30. (Maria splits.)

BoD votes 4-1-0 not to fund APSU event at this time.

Greedo has to go to work. The rest of the BoD goes out for dinner and drinks and supposedly considers remaining business.

Respectfully submitted,

Michael D. Astle
ASCIT Secretary

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Mints

Announcements

San Pasqual is still closed. Hopefully it will open at the end of the month. Parking will not be restored. Park on Holliston instead.

Chandler Dining Hall is now on the card system. Cash, too.

Red Door Cafe is now serving Eddie's Market Sandwiches and fruit smoothies. Try one today!

Events

The Distinguished Speaker Series of Southern California. November 6, Ann Richards, the 45th governor of Texas will be the first

speaker, followed by Tommy Lasorda, Colin Powell, Dominick Dunne and Elizabeth Dole.

Pasadena Folk Dance Co-op invites everybody interested in dancing or just watching and listening to exotic music to Throop Unitarian Church, 300 So. Los Robles (at the corner of Los Robles and Del Mar) from 7:45 p.m. to 11 p.m. A \$2 donation and soft soled shoes are requested.

Caltech Presents will be screening Armchair Adventures travel film "**Cuba at the Crossroads**" on Friday September 26 at 8 p.m. in Caltech's Beckman Auditorium. Reduced tickets for students.

Why Is Sex Fun? Sunday October 5, Baxter Lecture

THEY'RE ALL FINE MINTS, FRESH. Hall. Dr. Jared Diamond, professor of Physiology at UCLA Medical School, presents his new book. Sponsored by the Skeptics Society. Free for Caltech/JPL community.

Fellowships and Scholarships

Chateaubriand Fellowship Program 1998-9. For graduate students in science and engineering, interested in working in French university. For more information, check:
The Embassy of France Office for Science and Technology
Chateaubriand Fellowship Program
4101 Reservoir Road, NW Washington, DC 20007-2176
<http://>

www.chateaubriand.amb-wash.fr

NSF Graduate Fellowships. Paper applications are available from the Fellowships Advising Office in Room 25 of the SAC. You can also access, complete, and submit applications through the Web. The NSF FastLane Graduate Fellowship Program is located at the URL: <http://www.fastlane.nsf.gov> Both the paper and FastLane system include the Women in Engineering and Computer and Information Science Awards. Note that U.S. citizenship or permanent residence status are required. The application deadline is November 6, 1997

Remember that Lauren Stolper, Fellowships Advis-

ing Director is available to review your essays for the NSF or any other fellowship.

Applications for the **Hertz Graduate Fellowship** are now available. Applicants must have a 3.75 GPA during the last two years of undergraduate study and must be U.S. citizens or permanent residents. Eligible applicants (includes graduating seniors and all graduate students) should pick up an application packet from the Fellowships Advising Office. Although the Hertz application can be downloaded from the Web, applicants must submit paper references and submit the completed application on a special diskette. The application deadline is October 24, 1997.

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