

Pick up your *little t* from room 5A in Ricketts.

THE CALIFORNIA TECH

We need a business manager. Bad.

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Pasadena, California

October 11, 1991

Caltech's Recycling Program

by David MacKay

So you've just finished a gallon of milk, and you're about to trash the bottle — then you wonder: 'Is this thing recyclable?' Or you read all 1000 pages of the L.A. Times, and you ask yourself: 'Can I toss this in that yellow bin marked white paper?' And what can you do with old phone books? What about those envelopes with little plastic windows? And could you drive a Daihatsu and make money by being involved in recycling? These are a few of the burning questions you will confront at Caltech; here are a few answers.

Paper recycling

White paper can be put in the yellow bins or the gray/blue dumpsters around campus. We want the paper to be as high grade as possible, so please only put white office paper and computer paper in these containers. Please do NOT mix in ANY envelopes, colored paper, or cellophane tape. In particular, white paper with gummed labels and newspapers should NOT go in the 'white paper' containers. Paper with staples can be recycled, but plastics and gums are destructive to the recycling process.

Newspaper and Cardboard both can be deposited in the huge dumpsters at the recycling center. All types of cardboard are OK, and brown paper can be put in with the cardboard. PLEASE PLEASE PLEASE stack your newspapers neatly towards the rear of the dumpster, and ALWAYS flatten cardboard boxes. Make sure that all boxes are empty of styrofoam popcorn too.

Colored paper, envelopes, telephone books and glossy papers can all be recycled in the 'mixed paper' dumpsters located around the campus and at the recycling center. Please do NOT put in those envelopes with little plastic windows, though, and please put newspaper, cardboard and brown paper bags in the huge dumpsters at the recycling center.

Other materials

Aluminum cans, glass bottles (in green, brown and regular flavors), plastic soda bottles of type PET 1 (CA redemption value), and type HDPE 2 can be recycled at the Caltech recycling center, located just North of the Beckman Auditorium. On campus houses have been provided with bins for some of these materials. PLEASE CRUSH all Aluminum cans and all plastic bottles. Bottle caps should preferably be discarded. Please only deposit empty bottles; they need not be rinsed.

No other recyclable materials should be taken to the recycling center. In particular, note that we can only take TWO of the SEVEN different types of plastic. Please look for the 1 or 2 recycling symbol on the base of the bottle. PET 1

(CA redemption value) bottles include most soda bottles, and green Arrowhead bottles. HDPE 2 includes milk bottles and white water bottles. We do not accept plastic bags, styrofoam, cooking oil bottles, motor oil bottles, yogurt or margarine containers, shampoo bottles, or Evian and Crystal Geyser bottles. We do NOT take tin/steel cans. Nor do we take Aluminum foil or Aluminum trays. Tin cans can be recycled at the recycling center in South Pasadena.

We do not accept gasoline, televisions, sofas, coat hangers, sheet metal, windscreens, batteries, engine oil, intravenous feeding tubes or diapers (though all of these turn up from time to time!). For such materials, try calling Pasadena City at 405-4449.

Changes in the system

Caltech's recycling program, maintained by Caltech Environmental Task Force, has till now been volunteer run, and therefore, like the curate's egg, 'good in parts'. However, changes are under way. The most visible change is the refurbishment, by Caltech's physical plant department, of the recycling center. Equally significant is the establishment of several work-study positions for student workers to maintain the recycling system. If you are interested, contact Chris Sundberg at the Caltech Y immediately at X6163.

Hopefully once the work-study program starts, the recycling program will be able to expand to offer a more comprehensive service, including more mixed paper containers, and collections from the Catalinas.

In the remaining few weeks before the work-study program starts, we ask everyone to please continue to help out by emptying the recycling containers around campus when they are full. The yellow bins should be emptied into the nearest blue/gray dumpster. The combination is 314. Please don't steal the bins—the honor code applies here.

Other things you can do:

Reduce, reuse, recycle and buy recycled:

Quality recycled paper for photocopiers and laser-writers is available from Graphic Arts.

Ralph's will pay you if you take reused grocery bags when you go shopping.

Use electronic mail — not only is it quicker than physical mail, it has no environmental cost, and it is far more flexible. Go to the Campus Computing Organisation if you need an account.

What else does CETF do?

We are not just a recycling organisation. The Caltech Environmental Task Force is an activist environmental group with the following aims:

1) implementing programs that will help the Caltech community to have a more environmentally con-

scious lifestyle.

2) encouraging the Caltech administration to adopt policies that enhance both the local and the global environments.

We hope that the administration will take an increasingly active and positive stance on environmental issues including waste and pollution. We would like the Institute to declare a general commitment to environmental principles. In particular, we would like the recycling program to be fully part of 'the system,' and we think that the Institute would do well to employ a full-time environmental advocate. If you agree, please drop a line to the Vice-President for Business and Finance, David Morrisroe, 212-31. If you are concerned about some other environmental issue at Caltech, please try to find the time to send a note to an appropriate administrator. CETF encourages you to try not to be rude. To participate in CETF, join the e-mail list by sending your name to mackay@hope.caltech.edu, or come to one of our meetings. The next meeting is on November 13th at noon, in clubroom 1, Winnett, above the bookstore. For more information contact Sakae Suzuki, sakae@csardas.gps.caltech.edu, X6807, 127-72.



Shakespeare's Antony and Cleopatra—further info see This Week, on pg. 3

Remedial English Controversy

[The possibility of problems with the writing placement examination has been brought to our attention by an incoming freshman. This article juxtaposes her viewpoints with the instructions for one of the required essays. While we do not believe the Humanities faculty intended to give offense, one could easily interpret these directions as condescension. Decide for yourselves. -Eds.]

With approximately 25% of the entering class placed in remedial English courses, it ought to be obvious that either Caltech is accepting unqualified students, or the Humanities Division is misapplying standards. My classmates have been chosen by Caltech as the best and the brightest, and, as a class, we have the best academic credentials in the United States. Therefore, we can summarily dismiss the question of our qualifications. This leaves the question of misapplication of standards. In human terms the question is why so many entering students are considered deficient in writing basic English. Also, let's place the problem in context. Last year the Humanities Division made a similar evaluation which resulted in a large number of entering students being forced to take remedial English. Many of these students were competent writers, yet they had to endure the economic injury and psychological damage imposed by that placement.

As one of the students placed in remedial English "En 2," I submit that I am a competent writer. In support of that position I enclose for your information a copy of material filed with the Federal government which attempts to correct that placement. [Shown to Tech Eds.] That material shows that the Humanities Division did not place a grade or written evaluation on the two essays which made up their examination.

To understand the reason for the problem, one should question the Humanities Division's motivation. In the placement examination, the written instructions for the first essay are defective. [Printed below.]

Those instructions set the standard for the quality of writing required by Caltech. Given that the faculty have spent their lives focusing their talents on the written word, why did they choose to write so poorly? Consider for example, the craftsmanship of the sentence, "Or just start off any old how." Consider the grammatical skill of the sentence, "But first, a general comment." Why did they choose to litter their instructions with poor writing? Even worse, why did their instructions contain the implicit message to all the entering students, "You're nothing but science geeks who can't be expected to write well."

Penny Sherman

Essay #1

The Humanities faculty—meaning those of us who are concerned with literature, music, French, philosophy, history, that sort of thing—want to know how well you write. Each of you. And it will be useful to us to know this in advance of your coming to Pasadena. So we are asking each of you to write a brief essay.

What's the essay to be on?

Some suggestions follow. But first, a general comment. Writing is hard work. So, however, is reading. And as the first is pointless without the second (unless, of course, like Owl in *Winnie the Pooh* you propose to write letters to yourself), your writing should be—to adapt a computer phrase—reader friendly. We should like you to write something we will discover we want to read and can read. Something persuasive. Something that perhaps has an argument to it (though a piece of pure narrative or description need not have this). Something that is reasonably grammatical (so we don't get lost) and not too full of typos and spelling mistakes (so we don't laugh and lose our train of thought). Something that is clear.

Now the surest way to meet these criteria is to pick a topic that interests you, that you can get wrapped up in or excited about—even mad about. Try to think of such a topic. It might be as current as the process of thought and circumstances that is about to bring you to Caltech (instead of M.I.T. or North Dakota State). It might be an unforgettable character, experience, triumph, or disaster from your personal past. Maybe you disagree emphatically with our definition of (above) what good writing is. Maybe you have ideas about cold fusion or black holes, how to save the wetlands (or whether they're worth saving), abortion, Gorbachev, censorship. You could describe a job, narrate an adventure, lay out a problem, even solve one (in prose, please). There are endless possibilities. Pick one with some care.

Then write. And give your essay a point. Make it go somewhere. You may organize it as, perhaps, you were taught to organize in school (introductory paragraph, etc.). Or just start off any old how. But the completed essay must be coherent. Read it over afterwards to make sure that it is, and rewrite it if it isn't. Proofread, and correct. In short, take this exercise seriously.

Length? 500 to 750 words—certainly not less. Time? Take as long as you like, but you'd be ill advised to attempt it in less than one hour—or to spend more than, say, three. Type, word process, or write legibly in heavy pencil or ink. Outside help? Please, no—we want to know how you write, not somebody else. One last suggestion: try to give your essay a title. That's a signpost most readers expect.

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Lots of Sports

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letters

Thomas Criticized

Dear Editors,
U.S. Supreme Court nominee Clarence Thomas's praise for the implicit use of natural law in judicial decisions gives legal standing to Catholic theological complaints about "unnatural" sex. Using the pretext of natural law, the Catholic hierarchy opposes birth control, sex hygiene items such as condoms, sex education in schools, abortion, masturbation, and homosexuality. Their real motive is to make people suffer for having sex.

They still believe virginity is best and that all sexual intercourse, even within marriage, is somehow impure and regrettable. Yet celibacy practiced by the Catholic hierarchy is just as unnatural as birth control.

In Asia 2,400 years ago, the Chinese philosopher Lao-tse objected to roads, carriages, and boats as unnatural. Clothes are contrary to nature yet make man healthier than the naked savage who goes without clothing.

Today we support the idea of inherent human rights, but these are quite different from natural law. Since Judeo-Christianity's basic cosmological model is essentially monarchical, only acquired, and more specifically, bestowed rights—which are revocable—can be found in the Bible and many rights therein are ethnic group or gender based.

Let's not return to the Dark Ages under the rubric of natural law.
Jim Senyszyn

Gay Community Deplores Wilson Veto

Governor Pete Wilson recently vetoed AB101, a bill designed to protect lesbians and gay men against discrimination in the workplace. This bill would have offered the same protections as are currently provided in California to prevent discrimination based on race national origin, gender, religious beliefs, and non-disqualifying handicap.

We are angered by Governor Wilson's refusal to respect the dig-

nity and civil rights of a large minority population residing in this state. We disagree with his assertion that this bill was unnecessary. Who can ignore or deny the discrimination which is perpetrated against the gay and lesbian community in this country? Some representatives and senators lead a campaign of obstruction against what we feel is simply *equal rights* for all. Many of us have careers in which we must continue to live with the perpetual threat of job discrimination or even unemployment.

Passage of this statute would not have ended discrimination. Religious factions will continue to condemn us in the name of their respective Gods regardless. Lesbian and gay couples who simply choose to walk hand-in-hand in public risk scorn and even violent attack. But passage would have sent the message that this sort of discrimination is *not* acceptable, and would have provided the option of legal recourse should discrimination occur in the workplace.

We respect the leadership of four state governments (Connecticut, Hawaii, Massachusetts, and Wisconsin) and of many universities and corporations across the nation for including sexual orientation in their non-discrimination policies.

As individual students, staff members, researchers, and faculty at Caltech and JPL, we are proud that our Institute has recently decided to explicitly prohibit discrimination on the basis of sexual orientation, and we deplore Governor Wilson's blatantly political veto. We feel that it is important for us to bring our anger and deep frustration to the attention of the Caltech and JPL community. Many of the lesbian and gay community have added their names to this declaration but some have signed anonymously out of fear, if not of reprisal, or diminished standing in their research groups or academic departments, a fear compounded by the reality that there are some here who personally (as opposed to professionally) do not "approve" of us.

Garrett Biehle
Graduate student, Astrophysics

Anmarie Eldering
Graduate student

David Koerner
Graduate student,
Planetary Science

Editorial - Jon Liljeblad

Throughout most of the 20th-century, American society has displayed a non-trivial amount of concern over self-perceived defects and problems within its body. President after president has entered the White House with words of promise to concentrate on the ills of this country. Such attention has usually ended up manifesting itself through new laws, new legislation, and a lot of recommitment to causes of what LBJ once termed as the "Great Society."

But to a large extent all the efforts of the past century have been "...much ado about nothing..."

Despite the greatest expenditures of time and money, this society still suffers from deep troubling problems—racism, poverty, poor health, high crime, etc. Time has not been very encouraging, with the most recent studies revealing a drop in the quality of living—witness our higher infant mortality rates, the sudden surge in homicidal crime, the explosion in gang violence, and the erosion of the American middle class. Clearly things are not improving.

So then is there something wrong about our attempts to mollify these ills?

There is certainly no lack of concern within the American population. Somebody somewhere will always be found to care about something. There is certainly no unwillingness to try new ideas or spend more money. Despite the greatest bureaucratic squabbling these resources keep appearing.

Perhaps it is in our perception of the problems themselves.

The analogy may be drawn of an individual with a cold. Rather than attempting to eliminate the cold directly via medicinal means, the usual prescription is to just ease and treat the symptoms and let the body handle the rhino-viruses on its own. This may be fine for superfluous reasoning, but unfortunately this society cannot expect its problems to take care of themselves, as they extend much deeper into our lives.

And that is exactly the point: we seem to have become obsessed with statistics and numbers and graphs showing how bad things are—concerned with all the events that are presented on the news and the pages of outrage printed about our social degradation. Blinded to the larger picture, we exert all the efforts of our system into treating what we perceive as being the disturbing elements within life, never considering whether or not those very elements are indicative of deeper problems in society, if the problems we see are nothing more than mere symptoms of the true ills of this country. In short, our efforts are fixated on relieving the symptoms rather than the disease.

If we are to be in this for the long run, if this republic is survive and thrive in some fashion of a "Great Society," we must stop and realize the actual problems within our populace.

Crime is not just random events in life; each incident has a reason and a cause for why a criminal became the way he is. Gang violence is not just some spontaneous expression of youth; it is a product of the ghettos and frustrations of its enactors. The disappearance of our middle class is not a step in our economic evolution; it is a signal of the inequities in our financial, business, and internal revenue sectors.

But we continue to throw more criminals in jail and flood our prisons—America jails more members of its population percentage-wise than the Soviet Union. We continue to tax the middle and lower classes lest our politicians lose the support of the rising patrician mass—our society has over 60% of its wealth concentrated in the top 1% of its populace.

Rather than just being fixated on statistics and new reports, we must understand that they are reflections of causes within this country. If we are to ever make any progress in the long term against our ills, we must be willing to direct our efforts to solving the root causes of our problems. Granted, the process would be slow and results would be long in coming, but nothing good ever came easily.

Dr. Kerry Sieh
Professor of Geology

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Geophysicist

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Galileo/Ulysses Radio Science
Support Team, JPL

7 Anonymous signatures

[Due to space constraints, additional comments by each signer were not printed. - Eds.]

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ASCIT Minutes 10/8/91

Present: Won Bang, Taleetha Derrington, Dan Frumin, Cathy Hafer, Debi Tuttle, Dave Ross, Gavin Claypoole, Stephanie Buck, and Eric Stout.

1. ASCIT Movies—Fru brings up the idea that a 35 mm projector might be the next step for the film crew. The problem is the expense, both of a new projector and the new larger format films, Fru says that the H&SS department might be willing to foot half the bill—but it's not finalized. Fru also wants to store movie stuff in the ASCIT office so it will be centralized. The BOD seems receptive to this idea—the office will get some use.

2. little t—Stephanie Buck, the business manager for the little t, announces the final figures for the publication. Total ads came to \$3232, and they went over budget approximately \$250. Business manager was supposed to get 15% of ad revenue plus \$100. Editors were to split \$300 plus a \$100 bonus if they distributed on general registration day.

3. The Tech—The Tech's boat has been rocked by the departure of Sonny Arcilla, business manager since 1989 and dance instructor extraordinaire. They are now searching for a new, energetic business manager as well as an advertising director. If you like management and/or advertising and have a pulse, apply to the Tech (room 40 in SAC).

4. ASCIT Van—Dave Ross, the ASCIT Van Man has received word from the Institute carpool that for insurance purposes, the ASCIT van needs to be sold and a new one purchased. After 75K miles, it's a deathtrap, they say. So, anyone knowledgeable about van purchasing should feel free to contact Dave Ross at 1170 Del Mar #3.

Jason MacLeod
ASCIT Secretary

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CONTINENTAL

TO ALL CALTECH STUDENTS, FACULTY, AND STAFF:

At all times, seven days a week

BREAKFAST	\$2.19	with soft drink or coffee
LUNCH	\$4.95	with soft drink
DINNER	\$6.25	with soft drink

Breast of chicken, seafood, lamb, or the day's special

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CRIME AND INCIDENT BEAT

- Crime tip: When walking around campus or town (especially at night), be aware of your surroundings. Try to walk in groups of two or more especially if you are going off campus to eat.
- 10/3 The person selling subscriptions of the L.A. Times at an assigned booth in front of Winnett was seen soliciting door to door in Dabney House. The salesman was later found and told that his work should be confined to the booth.
 - 10/4 At 1:05 PM, someone reported that two people were seen at the mailboxes. One of them was working on the mailboxes with a screwdriver. When questioned, one of them stated that it was their mailbox and they could do whatever they wanted to it. There weren't any reports of lost mail.
 - 10/4 At 11 PM, a vehicle jumped the curb, ran over a city sign and ended up on the bushes at Kresge Lab. There was no damage to the lab. No vehicle information was found.
 - 10/6 A smoke detector went off in Page house at 1:20 AM. Security checked each floor and all the alarms were functioning. It turned out to be a false alarm.
 - 10/6 At 7:10 PM a loud explosion was heard on campus. Caltech security and the police department rushed to the scene. It turned out that the Fleming cannon was fired. The police officers were told that the students usually fire the cannon about this time of year. The officers informed Caltech that a permit was required to fire the cannon. They also stated that the firing without a permit is a violation of a city ordinance. The police officers were reassured that in the future, Caltech will cooperate with the police department.
 - 10/6 At 8:45 PM, a fire-like smell was reported in the basement of Guggenheim. Security checked out the area and found that the smell was coming from a fluorescent light with a bad ballast. An order to repair the light was submitted.
 - 10/7 The Pasadena City Fire Department called Caltech at 1:15 AM asking if the cannon had been fired. They were told that the cannon had not been fired at that time. The fire department had received several reports of a loud boom. The cause of the boom was not found.
 - 10/7 Someone called to report misconduct in Ricketts house. It was reported that the students from Fleming house were causing a disturbance. The officer was informed that some sort of new student initiation was taking place which was a tradition of Fleming house.

House relations

Is it possible to have harmony within a community as small as Caltech? A community where its members interact every day? Certainly, we are all united in a supreme love and faith for knowledge and science or we wouldn't be part of this 'Crusade' known as Caltech; but on an individual basis, Caltech is a synonym for heterogeneity. The assertion that every faith, culture and nation is represented in this campus can hardly be debated. Daily, specific issues give rise to a plethora of different opinions and feelings, thwarting the possibility of a smooth convivence. In particular, the independent and extremely different character of the undergraduate residences create frictions between them. You may take as an example the Dabney-Fleming case.

There doesn't exist a straight forward solution to this problem. Nevertheless, specific issues can be attacked in an attempt for overall improvement. The purpose of this letter is to address the quality of the relations between the seven undergraduate houses. As a proud member of Dabney House, my point of view can not be absolutely objective; I'm sure that it is pervaded with the shadow of absolute tolerance that is the essence of the house. For this reason I apologize in advance to those expecting a complete analysis of the qualities and problems of every house. Quoting the Beatles: "Let it be." And thus I start my analysis by accepting and appreciating the very special characteristics of every house.

It is about interhouse interactions that I have something to say. I don't doubt that each one of the undergraduates reading this letter is first and foremost a Techer and only afterwards a member of his or her house. I certainly didn't come to Caltech to wear the green colors of the Darbs, but rather to work for my place in the scientific community. The recognition of this fact doesn't impede recognition of the virtues of the houses. On the contrary, it helps you to place the house spirit in its proper context.

Everyday, undergraduates visit

'foreign' houses to meet of work with their 'foreign' friends. When these interactions take place it is important to respect other people's preferences and feelings. Perhaps the best ethical rule for behavior was given by the Mexican Benito Juarez: "Personal freedom ends where other people's freedoms start." When house activities imply an invasion of other houses' territories (e.g. the Fleming tradition of having their freshmen take away the toilet paper from other houses) the invaders must always keep in mind that their activities might not be welcomed (especially if the risk of violence exists). There is already too much stress to start inviting other irregularities into campus life. Therefore remember: *first Teachers and only after members of a house.*

Antonio Rangel

This Week:

Ladysmith Black Mambazo

Ladysmith Black Mambazo performs the music of South Africa on Friday, Oct. 11 at 8 PM in Beckman Auditorium.

Since their featured performance on Paul Simon's "Graceland" album, Ladysmith Black Mambazo has been bringing the heritage of South African music to new audiences around the world.

The 10 members of the group have appeared on many television shows such as the "Tonight Show" and "Sesame Street." They can also be heard in Eddie Murphy's "Coming to America." In 1988 Ladysmith's "Shaka Zulu" won the Grammy Award for the Best Traditional Folk album.

Tickets to this concert are priced at \$30.00, \$27.50, and \$25.00. Caltech students with ID can purchase half-price tickets in advance and \$7.50 Rush Tickets beginning the day of the show (subject to availability). Tickets can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call campus extension 4652 for information.

Antony and Cleopatra

The California Shakespeare Festival will present Shakespeare's historic tragedy of colliding civilizations, "Antony and Cleopatra" on Saturday, Oct. 12 at 8 PM in Beckman Auditorium.

This drama traces the lives of these two passionate lovers as they carve out their destiny amidst seemingly insurmountable obstacles of politics and war. While staged in traditional Roman costumes and settings, the production will encompass an experimental, ensemble approach to the piece, with the full cast remaining on stage throughout the play.

Tickets to this concert are priced at \$22.50, \$20.00, \$17.50. Caltech students with ID can purchase half-price tickets in advance and \$7.50 Rush Tickets beginning on Friday, Oct. 11 (subject to availability). Tickets can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. Call campus extension 4652 for information.

A Fresh Viewpoint

by Zackary Berger

[Ed. note: This is the first of what will hopefully be an ongoing series of columns written by freshmen. Maybe an unjaded eye can make the rest of us rusty old cynics see Caltech in a new light.]

Millikan's Nose

The building named Sloan on the Caltech map (which was a few days ago struck by the Schultz horologists) has a little plaque by the front door which identifies it as a Lab of Math and Physics. As was pointed out to me by a wise upperclassman, the term "math lab" is inappropriate. ("Sorry," I can hear the math people saying, "we can't start Ma 1b until we have the liquid nitrogen hooked up.") Plus there aren't any physics classes in Sloan.

Next to Sloan is East Bridge, and its Annex. East Bridge isn't east of the Annex. I suppose an observer in, say Dubai would register Bridge as East, but that's a little far to go to name a building.

Between these two academic haciendas, the top quarter of Robert Millikan, stuck on a pedestal, gazes wistfully in the direction of Beckmann Auditorium and Baxter Hall. (Maybe Robert always wanted to be a humanities major.) When I first got to campus, I was walking around with a few of the friends I

had just made, and we were in Bob's neighborhood, and—this is remarkable—we rubbed his nose. It was clear that we weren't the first ones who had done so. It was shiny.

Unless I'm ignorant of historical fact and Millikan was like Tycho Brahe, who got his nose disengaged in a duel and had to replace it with a brass fitting, his sculpted nose gleams because a number of Techers have stroked the schnozz. Here we are, the most scientific two percent. I bet the majority of us doesn't even believe in ghosts. (Unless you mean Demi Moore, in which case I'd be a definite believer.) Despite our well-informed deductive reasoning, the fact remains—Millikan's nose is getting rubbed.

If you've read this far expecting a 6.0 earth-rattling conclusion, you've come to the wrong column. I just think it invites comment that sometime, between Unvisualizable Math and Inapplicable Physics, Caltech students have rubbed his nose, and not, say, that of George Ellery Hale, whose topmost quarter graces another pedestal, with unblemished nose, across the Olive Walk. (Hale was a brilliant but nutty guy. Maybe the unrubbed nose is not so surprising.)

When walking by old Bobby, rub his nose. In time it may fall off, and biographers will struggle to explain how Robert Millikan, physicist and university president, lost his nose.



LO NUESTRO

Attention Hispanic College Students majoring in Engineering, Science, Computer Science, Math, Technology and Business

Let's be honest. Getting a job these days is tough. As the job market shrinks and companies downsize, you can't afford to miss the HENAAC Career Fair, Saturday, October 12th at the Century Plaza Hotel in Los Angeles. You're bound to find the right job or internship to launch your career.

Walt Disney Imagineering, AT&T, IBM, Chevron, GM, Mobil, Hughes, Xerox, NASA, 3M, Eastman Kodak, McDonnell Douglas, TRW, Northrop and many more corporate giants await you!

Meet recruiters at the HENAAC Career Fair to find the job opportunity or internship that's right for you. Also take advantage of our information-packed career development seminars.

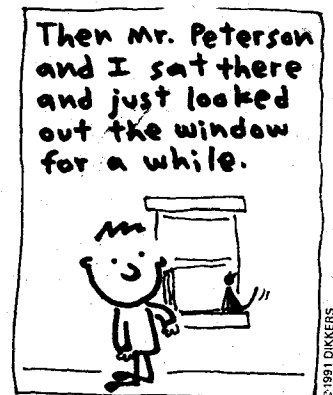
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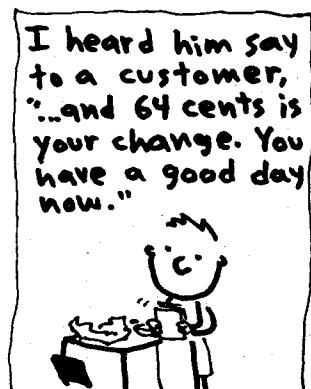
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Jim's Journal



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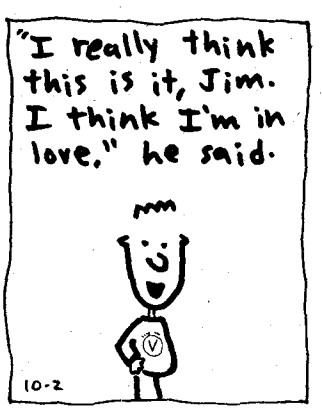
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Jim's Journal

by Jim



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10-2

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The Inside World

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

Lloyd: Jeff Hagen!?

Fleming: Jill Bush and Jessica Nichols

Ricketts: Dan Smith

Ruddock: Chris Launey

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Ruddock	2

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RICKETTS

KnockKnock.
A week of rotation and a slow, easy return to Tech life was what I had envisioned for myself, but I was wrong. 106 lecture abused my brain, making my eyelids ever so heavy.

As I dozed off to sleep, I saw a child dressed in black robes appear before me. "I am not a cow, moo-moooo, it is time to go young one."

Suddenly, I felt as if I was in hell; I screamed. "Why did you scream?" asked the bovine-like child.

"I do not know."

"Then you are ready; come with me. Do you have any reservations?"

"No, I do not." I replied.

"How unfortunate. We might have to look around a bit." I glanced to where the cloaked one was pointing; there was a door. It was ominous, yet inviting. The door was restrained with a coin operated lock. The sign read "10

cents please."

"Do you have any dimes dark one? I only have quarters," I inquired.

"That is all right," he replied, "where you are going you will not need correct change." As I stepped through the portal, I felt nauseated. Luckily for me, I had my cough drops with me. After passing through the doorway, I noticed that my guide had grown in this world for he is now a young man.

"I am a bonehead; you are not," he said. "Come meet my maker." He led me to a dark and sultry place. It was a pernicious plateau overlooking a dormant volcano. Without warning, a lightning bolt struck the ground. In a smoldering hole stood a twisted old man.

"I am Lord Jackson. Use my book-yes?"

"No, E&M is second term."

"Fool, I need a disciple not a wimpy, girly mechanical whipping boy," he said to my guide. With a smell of fire, brimstone, and olives; my strange acquaintance exploded, caught fire, and made a shrieking noise. I felt entertained and yet disturbed. The earth swallowed my guide's remains. From that spot sprung the

miracle of life; a majestic tree. However, instead of fruit, Irish honking geese were suspended from the branches.

"Very aesthetically pleasing, yet slightly out of tune," I said.

"I never said I was all-powerful, but I am more powerful than you. You will join me, becoming my disciple and reigning here forever. You will rule over the biologists who are damned to transcribe my book for eternity. I offer you life and immortality."

I did not need to contemplate his offer. "You offer me pain; I will never serve you."

He was shocked, but quickly responded "What if I offer you an infinite supply of oversexed voluptuous women? Would you join me then?"

"This guy is good," I thought. Choking back a tear, I tried to think of a way to escape. Like a boy scout, I was prepared. All good physicists keep a filled dropcard on them, just in case. As I whipped it out, a loud shriek came from the overlord. In a flash, he disappeared. The ground became flat, the volcano disappeared, the sky turned blue, and the sun was shining. A temple arose from the ground and I found myself atop it, adorned in sun god robes, smiling. The biologists turned into multitudes of beautiful naked women. They began chanting my name and throwing little pickles at me.

"It was a matter of time," I thought. "Sometimes I do win," I said as I began to laugh. In laughing, I aligned the planets and brought a new age of prosperity to my adoptive people.

XYSTUS

RUDDOCK

So here we are once again, ready to pay the supreme price for our folly. Yeah, great to see you too. If you ever get the chance to drive 1800 miles across the country stuffed into a little-ass Dodge Charger, eating Denny's for dinner and IHOP for breakfast every day, seeing all the little dudes at the rest stops in Arizona selling authentic Mexican wood carvings and shit, and experiencing all the wonderfulness that one can expect from repeated stays at La Quinta motor inns. But it was okay, I guess, if you compare it to a Math 2 lecture. Did see a couple cool things on the trip, like this huge-ass bus for sale in Texas. Kinda got me thinking...\$7,000 isn't a bad price for a large multi-passenger vehicle. I guess it needs some work, but we could do all that ourselves. And in the end we'd have a big old pile-the-whole-house-in-the-monstrous-thing-and-take-off-for-Mexico-for-a-road-trip-to-hell-

and-back bus with all the comforts of the actual Ruddock house and then some, including a fully-stocked wet bar, jacuzzi, etc. Imagine the possibilities—"For the social event this weekend we've put some kegs in the bus and we're off to wherever the hell ya want to go." We could even use it as an off-campus Ruddock affiliated house when they decide to demolish 150 S. Chester to make a squash court or something. I mean, the bus would make a cool triple, and the kitchens and all would probably be better stocked than the North Houses'. I could really see Ruddock enjoying itself a lot more with some mongo party bus and road machine in its motor pool. It would be kinda like an icon of the house...you know, the Flems have their cannon, even though all it does is make a lot of noise (which is why it is well suited to them, 'cuz that's what they do, too) and the Scurves have their pot (which is sorta cool, I guess, if you want things blowing up in your back yard all the time. If I it were up to me, I'd put the pot in Bridge and blow the damn thing sky high). My point is that Ruddock could have a really cool bus as its para-

gon of greatness. Now we just need Tim to budget about \$30,000 to buy it, fix it, stock the bar with Stoli, etc. I can see that happening real soon.

And by the way, are y'all pissed at our frosh yet? By the time you're reading this, Fleming should have a Ruddock closet, Lloyd should have a well-decorated bench in front of it, PCC should be a bit miffed by their sign, and I'll be sitting in my room drinking a big old Foster's someone was kind enough to bring me. They really seem to be getting a grip on things.

And by the way, hats off to:

—the frosh, who seem to be getting really good at throwing Flems into the shower when they come into the house

—everyone who left their milk dated Sept. 3 in the alley fridges—we needed something to dump last Friday

—all the soon-to-be Flem frosh who helped us mix the shit up and haul it up to the bridge.

Well, I've got to think up a new clue or something to feed the frosh so they won't keep dragging Paul Ainsworth off campus. See ya at the ath field tonight, frosh.

**WRITE AN INSIDE WORLD FOR
YOUR HOUSE (OR EVEN
YOURSELF) BECAUSE
WRITING IS ITS OWN REWARD**

(This message brought to by Anheuser
Busch, St. Louis Missouri)

LLOYD

Well, we thought you might like just a hint of what life is like Outside. In keeping with the great Inside World tradition of stealing from Letterman, we now present the "Top Ten Ways Caltech is Better than Stanford," and "The Top Ten ways UW is better than Caltech."

Top ten ways Caltech is better than Stanford

- 10. Plaza Pasadena does not have stores like the Tribal Eye and Folk Art International.
- 9. You don't have to walk three quarters of a mile to go to class at Caltech.
- 8. People at Caltech don't abbreviate every word with its first

- syllable. Example: Hey! Let's go to the CoHo! (Coffee House)
- 7. No need to carry bulk exams to your rooms at Stanford—they're ALL in class.
- 6. At Stanford, it only costs a dime to print this list out.
- 5. Caltech channel eleven: The Simpsons. Stanford channel eleven: Computer graphics for the past week. 'Nuff said.
- 4. Stanford intermural sports: Pocket Billiards and Free Throws. Caltech: Softball and Ultimate.
- 3. Notebook paper at Stanford only costs \$3.96 a pack.
- 2. Stanford CoHo: Coffee and Chess. Caltech Coffee House: Shakes and Comics.
- 1. You can get chili fries anywhere in Pasadena—nobody at Stanford has heard of them!

Top ten ways UW is better than Caltech

- 10. At UW, recreational activities

- do not include downloading files for your HP-48.
- 9. The bookstore at UW carries more than 95 notes and out of print books by has-been Caltech professors.
- 8. You don't decide to go to the Cofeehouse, you decide which coffeehouse to go to.
- 7. UW easy classes are Human Sexuality and Telemark for Beginners, not Aph/MS 4 and EE 90.
- 6. The big football game of the year is at the Rose Bowl, but it's not against the Pasadena City Police Department.
- 5. If you want to meet art fags at UW, you don't have to watch Pete and Alex hitting on women at the Red Door.
- 4. You can stay in the same dorm room as the serial killer Ted Bundy.
- 3. If you don't want to go to class at UW, you can stay home and watch it on cable.
- 2. You don't have to hang out with DO or join the tennis team to meet real women at UW.
- 1. At UW, nobody wants chili fries.

—Jazzbo!

—Skip

And besides, I'm getting tired of printing in this god-awfully

HUGE

type! Aren't you?

FLEMING

Once again, the school year has begun, and once again, Fleming House (where the men are men, giants walk the earth, and the thundering herd is REAL) started the year with a booming eruption from Caltech's favorite phallic symbol, the Big Red Cannon. Much to the delight of the new frosh, the cannon actually did work. (I don't know that the hell they were expecting.) And in case that wasn't enough excitement for one evening, a Pasadena "Peace" Officer (with a HUGE telephone pole up his ass, I might add) wanted to arrest everyone and anyone is sight, including Kim West (we love Kim!!). It was definitely an ordeal for the new Cannon Master, Mr KJelrof. Gimme a BIG break! Don't the cops in Pasadena have any REAL crimes to stop?? Things must really be slow.

page SUX!!!! Boy am I glad that Rotation is finally fucking OVER!! Being on the social team is great and everything, but rotation can bite me!! I thought it would never end. I am so sick of looking at "mocktails" that I could PUKE!! Speaking of which, this weekend's God Awesome kick-ass Social Event brought to you by the new and improved (beerbeerbeer) Social Team is "Beer and Beer!!" (Oops! I got a little carried away—it's broomball.) Anyway, I digress....

After a long and dry week for teh frosh, we were all ready for a night of fun and games with our "brothers and sisters" to the north. Unfortunately, they are too fucking

lame to come out and play with us. All we wanted to do was stroll through their fine houses and sing to them. But even a little serenading couldn't persuade those prickless pussie pageboys, lame-ass Lloydies, and repulsive rubbish-tossing Rudds (by the way, how does it smell over there??) to accept our offer of a nice refreshing shower.

On the other hand, the south houses were much more receptive to use. The darbs gave us an almost-too-warm reception and the scurves had a bonfire in our honor. But since they forgot the marshmallows, we decided to quench the fire with their own water. LOTS of water to play with. It was especially nice of them to wash off all of the flour. It was a nice ending—much better than those mother-fucking cumblobs from the north houses.

On behalf of the upperclassmen of Fleming, I would like to welcome all of the new Flem frosh. It's nice to have new faces around. Actually, it's just nice to know that I don't have to answer the phone, and that I'll never go thirsty (40 cents, frosh!) Continuing with the tradition of welcoming our new frosh, we began the first in the series of the weekly Formal Dinners here in Fleming. Our first was the rousing success, and the frosh lived up to our expectations wonderfully. While they were a little confused at first, tasks such as the relocation of Lloyd's furniture and the acquisition of goldfishes cleared their heads and they realized what "You can't shower the Taskmaster" really meant. Silly silly frosh. Someday they'll learn. NOT!!

And, of course, what would a Fleming Inside World be without a Top Ten List. And since I am

never one to disappoint...

Top Ten Things Said During Pre-Season

10. "I have to wash my hands. They smell like that rubber thing."—Jason Rhee.
9. "You're not holding it like I told you to."—Mike (to Tobe)
8. "I wanna do Maddog and Sheldon."—Jason for 2
7. "I bet Todd I can do you."—Dean (to Jill)
6. "How hard can you blow?"—Jason for 3 (to Jill)
5. "We're so good, it only takes us 30 minutes."—Jess
4. "That was not a good place to push."—Dean for 2(to Todd)
3. "Not right now, but when I scream, come."—Flora (to Dean)
2. "We're both fighting for the same hole."—Dean for 3
1. "He just came in my ass. Where's Dean when I need him?"—Todd (to no one in particular)

And speaking of pre-season, our frosh are not only completely spirited and psyched on the house, I believe that we have definitely cornered the market on swimming and waterpolo (just in case any of you have doubted in the past) and soccer as well. Can you say "DEFENSE" boys and girls? I thought so. And, when all else fails, our frosh definitely have creative hair (i.e. Adrian "They'll be dreadlocks some day" Hightower, Matt "The Hat" Metz, Todd "I really do have hair" Gottula, Mike "Pegasus" Bott, etc., etc., etc.).

Well as this Inside World draws to a close, I want to remind all of you that you won't have to do without your weekly dose of Fleming IWs as you did last year. But I guess that's what we get for letting a frosh write 'em last year. —House Food and The Girl Next Door

Undergraduate Volleyball Goes Down to Mount St. Mary's

by Christy Esau

"Come on Caltech, side-out!" "Good passes." "Be ready, be ready!" "Down ball!" "Oh no-DINK!" Plop—the ball hits the floor as five players sprawl out in a futile effort to save the oplay. That was the scene all too often Wednesday night as Caltech's undergraduate volleyball team lost to a larger and supposedly slower Mount St. Mary's College, 1-3.

The undergrads made a good start, winning the first game 15-13. Strong passing from Jen Yo and petrifying serves from Katie Coughlin kept the team in the game. Setters Taletha Derrington and Christy Esau put out a good effort, and T also had several kills in the power hitting position.

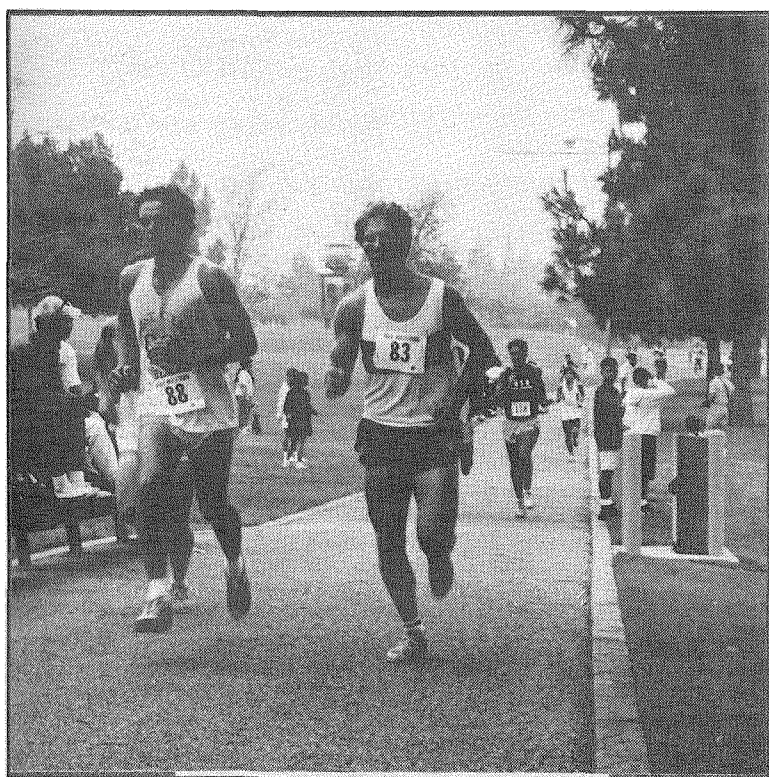
After the first game, however, a lack of communication and mo-

mentum slowed the team down. MSMC took the next three games straight. The skill the team usually exhibits in passing was absent. Perhaps the unwillingness to dive for the ball was due to the fear that too much would be revealed beneath the players' ridiculously short shorts. Seeing MSMC's bunnuggers, however, convinced the team that it could be worse.

If you're interested in seeing the undergrads play, or just seeing their shorts, the next game is this Saturday against Mount St. Mary's at 2 PM in the Caltech gym. Also, the Caltech Invitational Tournament, in which the women's club team will play, is slated for Friday and Saturday. They will be playing Friday night at 6 PM and Saturday at 10 AM. The club team has new, larger shorts, though, so don't be disappointed.

WEEKLY SPORTS CALENDAR

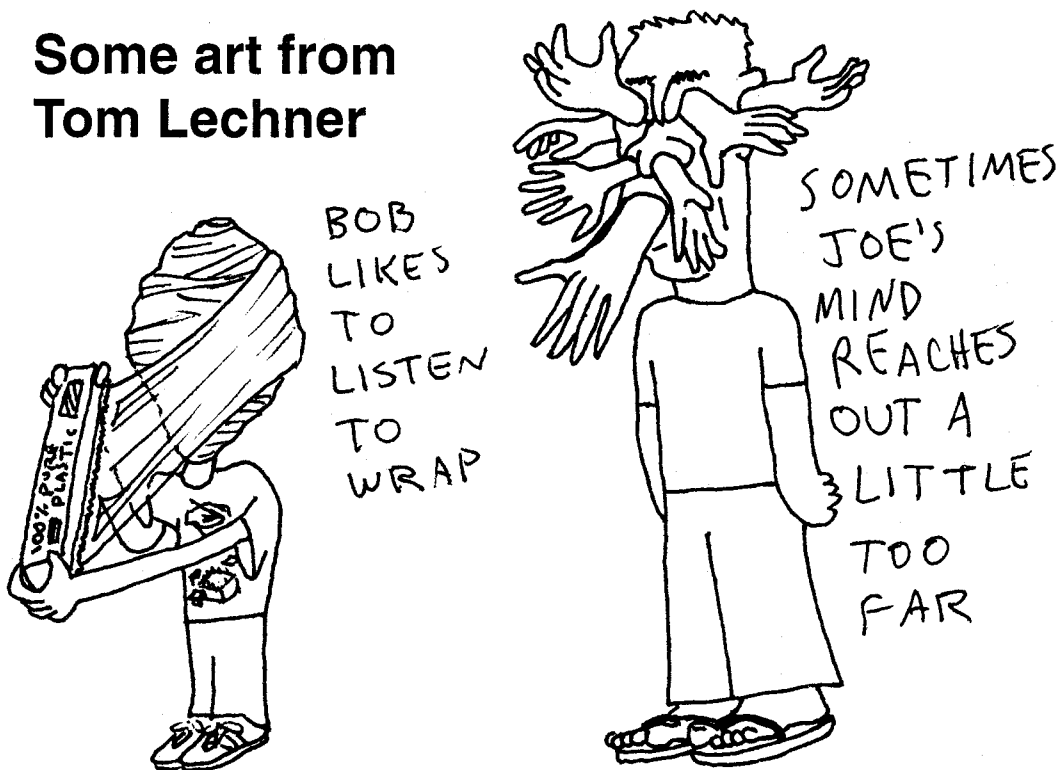
DAY DATE	TIME	SPORT	WHO	WHERE
FRI 10/11	6:00 pm	Volleyball (W)	Caltech Invitational	@ Caltech
SAT 10/12	9:00 am	Volleyball (W)	Caltech Invitational	@ Caltech
SAT 10/12	10:00 am	Soccer	Caltech	@ Redlands
SAT 10/12	11:00 am	Water Polo	Alumni	@ Caltech
SAT 10/12	TBA	Cross Country	Open Date	@ TBA
TUE 10/15	7:30 pm	Volleyball (W)	Mount St. Mary's College	@ Caltech
WED 10/16	4:00 pm	Soccer	Occidental	@ Caltech
WED 10/16	4:30 pm	Water Polo	Pasadena City College	@ Caltech
THU 10/17	8:00 pm	Volleyball (W)	Caltech	@ Pacific Christ.
SAT 10/19	1:30 pm	Football	Orange County Cowboys	@ Caltech
SAT 10/19	9:30 am	Cross Country	SCIAC 8-way dual meet	@ Bonelli Park
SAT 10/19	10:00 am	Soccer	Caltech	@ Claremont-Mudd
SAT 10/19	11:00 am	Water Polo	Caltech	@ Occidental



Schuyler Cullen books past the competition on the men's cross country team. See page 8 for the full story!

photo by Jim O'Brien

Some art from Tom Lechner



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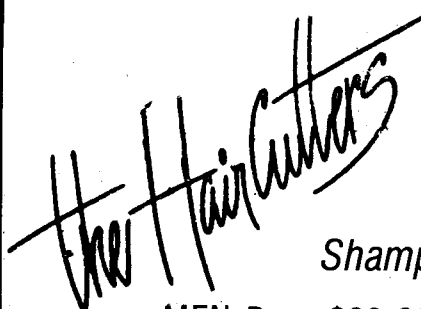
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SPORTS

Hockey Moves to Division I

by Jim Caron

This proves to be a very big year for the Caltech Ice Hockey team. The Beavers have finally been pushed up to Division I after creating a dynasty and dominating Division II for the past several years. This means that Caltech will be playing the first string teams from UCLA, Pepperdine, Stanford and USC.

It may seem counter intuitive that the Beavers would be able to compete against teams from schools of that size. However, if you consider the drawing potential of the

schools in this league, it is reasonable to think that Caltech would be at no disadvantage.

Schools like UCLA and USC get most of their players from southern California whereas Caltech gets their players from all over the U.S. and Canada with an occasional European every now and then. For example, the high scoring line for the Beavers consisting of Dale Laird, Jeff Moore, and Jeff Hall are all Canadian born. Lets not forget the french connection on defense with Jacques Belanger and welcome new addition from McGill University in Montreal-Francois Rozon. Other

players like Haj Sano (Boston, Ma.), Ron Seifert (Minn.) and Max Heitzmann (Minn.) also have proven to be big contributors.

This article would be in no way complete without some mention of the mighty Kurt Stephens. The Caltech hockey club is very fortunate to have Stephens back for the start of this season. Fortunate, not just in the sense that he is a good player, but fortunate in the sense that he is actually in California right now.

It is unfortunate to say, but nonetheless worthy of print, to report that Kurt Stephens spent the last month and a half in prison. It seems that some time in late June, Stephens was driving home to northern Quebec and got himself into a bit of

trouble.

Some time ago, before Stephens came to the U.S. to study, he accumulated about \$1,500 in parking tickets. On his way home he was stopped by the police and was given the choice of either paying the fine or spending 30 days in jail.

Stephens figured that a month in jail was a months food and rent he would not have to pay and it would give him time to workout and bulk-up for the upcoming season. However, he started hanging around with the wrong crowd and got into a fight with a guard and got an extra two months of hard labor tacked onto his sentence. Fortunately, the warden was a friend of coach George Yates and he worked out a deal for the early release of Stephens.

Now that Stephens is back, the Beaver's only concern is to keep up their winning tradition and bring another trophy home. This season is going to be an exciting one and fan support is going to be crucial. So far, both USC and UCLA have sold out all their home game slots

and Stanford and Pepperdine are also expecting large turnouts. The Beavers play right here in Pasadena and don't even charge admission. But a word of advice, come early before the stadium reaches capacity.

Watch for game times to be posted in the sports section of the Tech.

Water Polo Hosts Tourney

by Coach Clint Dodd

Last weekend the Water Polo team played host to five other teams who were all looking to capture the top spot in the Caltech Classic. Play was very tight, as all teams came away with at least one loss. Pasadena City College came away with the crown with a 4 wins and a single loss, just ahead of San Luis Obispo, Whittier, Chapman and U.C. Riverside.

The Beavers finished with a 1-4 record in the tournament. Leading scorers for five games were Chris Buchner (8), Jim Radford (7), Tamaki Murakami (6), Grant Sitton (2), Mark Savellano (2), and Doruk Engin and Allan Kulawik (1). Coach Dodd was optimistic on the style of play that was shown by the Techers. "We did an excellent job working the defence but our lack of ball handling skills killed our offense and often lead to quick scores for our opponents."

This Saturday at 11:00 AM the dirtiest, biggest, and smartest team, The Alumni come to the Braun Pool for a rematch of last year's close game. Come to the match and see many of this nation's top C.E.O.'s and see if they still have the stuff their dreams were made of.

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by Jim
Jim's Journal



what goes on

Scholarships

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

Data Processing Management Association is offering three scholarships for \$1,000 each provided by the Bert A. Monaghan Scholarship Fund in the areas of Computer Science or Information Systems Management. The Scholarship Committee must receive the application by November 15, 1991.

USA Today is offering twenty \$2,500 cash awards to full-time undergraduates. The awards will be selected based on the student's scholarship as well as leadership roles on and off campus. Each nomination must be signed by a faculty member familiar with the student's work and an administrator. The deadline for completed nominations to be sent is November 15, 1991.

The American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) is offering a grant of \$2,500 to a full-time junior or senior in engineering. The students must have a GPA of 3.25 or above. The deadline for applications to be received by ASHRAE is December 15, 1991.

The Society for the Advancement of Material and Process Engineering (SAMPE) is announcing its 1992 Undergraduate Awards Program for Engineering. Application packages must be submitted postmarked no later than February 1, 1992.

National Coming Out Day

October 11th—We are everywhere! Join the Caltech Lesbian and Gas Society in celebrating! Join us for movies in the Y Lounge on two huge monitors. Watch *Maurice* and *Personal Best*, two classic coming out stories. Films start 7 PM, refreshments provided.

October 14th—More of the CLAGS NCOD celebration. Watch *Torch Song Trilogy* and *Desert Hearts* in Winnett Lounge at 7 PM, refreshments provided.

October 16th—Even more of the CLAGS NCOD celebration. In Winnett Lounge enjoy *Consenting Adults* and *Parting Glances* at 7 PM with free refreshments.

D.R.U.G. Push

Photographers! There is a well-equipped darkroom for the use of all members of the Caltech community in room 39 of the SAC. It is maintained by the Dark Room User's Group, which also has photographic equipment for loan to members. Our organizational meeting will be this Sunday, Oct. 13 at 2 PM in the Darkroom; if you want a say in dues levels for the year, checkout procedure for our camera and lenses, and other policies, be there—or call the DRUGgist, Mark Looper, at 304-0006.

Hillel Brunch

The Caltech Hillel will have its next meeting Sunday, October 20 at 11 AM in the Y lounge. There will be brunch, schmoozing, and a discussion afterwards. The entire Caltech community is welcome.

Job

Wanted: Students who enjoy being with children ages 14 months to 5 years and who have 2 or more consecutive hours free to substitute (for pay) at the Children's Center. Please call x6860 for employment, wonderful kids, friendly staff.

Auditions for *The Ugly Dachsdog*

TACIT holds auditions for *The Ugly Dachsdog* on October 12 and 13th in Winnett Lounge, from 1-3:30 and 7-9 PM on Saturday, and 2-7 PM on Sunday. And no, the actors will not perform in dog costumes!

BOC Sign-ups

A member of the Board of Control, Michael Lazarro, is on leave for this term. As a result, he has resigned his position as Representative at Large. Any undergraduate who is interested in serving on the Board for the remainder of this term of office (until March) should sign up on the list outside Eddie Grado's office (the old MOSH's office) before Friday, October 11. The new Representative at Large will be chosen through an interview process. If you have any questions, please ask a member of the Board of Control, or call x6200.

CLASSIFIED ADS

Position Available. Full/Part time. New game store, Old Town Pasadena. Experience: Chess, Backgammon, D+D, any and all games. Sales experience helpful. Call 818-246-2288 between 9 AM and 9 PM.

SUNGLASSES IN BLACK CASE on Athenaum lawn near Ricketts House. If whereabouts known, contact Bruce Tiemann, x2715 or (818) 791-2324.

FOR SALE—large metal desk—\$50. Two bookcases—matching dresser all 3 for \$35. Call 441-2973.

#1 FUNDRAISER NATIONWIDE Your fraternity, sorority, or other campus group can earn between \$500-1000 in less than 7 days. You pay absolutely nothing. Call: 1-800-735-2077 Ext. 3

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

Note Takers Needed

Note takers needed for a hearing impaired student in PH 1a, MA 1a and CH 1a. Students already enrolled in these classes are preferred. See Barbara Green in the Dean of Students Office, 102 Parsons-Gates.

Math and Donuts

The 52nd Annual William Lowell Putnam Mathematical Competition will be held on Saturday, December 7. The competition is open only to regularly enrolled undergraduates, in colleges and universities of the United States and Canada, who have not yet received a college degree. No individual may participate in the competition more than 4 times.

Sign up in Sloan by October 11. "As usual, we hope many participants will enjoy a day of math problems and donuts."

Folkdance

On Tuesday, Oct. 29th at 7:30 PM in Dabney Lounge the International Folkdances will present their annual Halloween Party. Dance lessons will be provided by the California/Bulgaria Band featuring musicians from world renowned Bulgarian folk ensembles. Costumes are encouraged. All are welcome. Meet new people and see the world!

Lost Items from Camp

The Deans' Office brought back from New Student Orientation at Camp Fox the following items: hair brush, 1 pair of black sunglasses, a black Citizen wristwatch, and a T-shirt and a pair of shorts. If any of these items belong to you, please contact the Dean of Students Office, 102 Parsons-Gates.

Northrop Scholarships

The Northrop Corporation is offering two \$3000 scholarships at Caltech for the 1991-92 academic year. The scholarships are open to freshmen through seniors in Electrical Engineering, Mechanical Engineering, Computer Science/Engineering, or Manufacturing Engineering. Students must show evidence of a strong academic record and a career interest in the aerospace/defense industry. The applicant must be a US citizen and may be a concurrent recipient of another company's scholarship. Resumes and academic transcripts must be sent to the Financial Aid Office at 515 S. Wilson. The deadline is 5:00 PM, Friday, October 25th, 1991.

The Y News

From all of us at the Caltech Y, a hearty "Welcome to Caltech" to all of the new students and a big "Welcome back" to all of the returning students. You've survived the traditional Rotation heatwave and we are ready to celebrate! (But the party has been postponed.)

To those of you who haven't heard of the Y before, we actually do more than throw great parties. We are a student-run service organization designed to help you, the Caltech student, survive and even prosper while you are here. We encourage involvement in campus and community service, offer leadership opportunities, organize recreational and social activities from parties to discount movie tickets, and sponsor speakers on a wide variety of political, social, and ethical issues. If you are interested in joining the Y, or if you just want to find out more about what we do, come to our Excomm meetings Mondays at noon in the Y Lounge.

After tuning up your muscles at the Dance Party tomorrow night, you'll be in perfect shape for the Y's 75th Anniversary Hike to Throop Peak next Saturday, October 19. There will be two routes offered - Easy and Strenuous. The

first leaves at 8AM and the second at 6AM. You need to sign up by Wed. - come in to the Y and talk to Brian or call us for more information.

If you are interested in helping preserve the environment and/or making money, consider helping the Caltech Recycling Program as a workstudy job or as a volunteer. We need as much support as possible to keep this program alive, so come in to the Y and talk to Chris about this opportunity.

Another happening this weekend is a free concert by the Pasadena Pops Orchestra on Sunday, October 13 from 5PM to 6:30PM. Come out and enjoy the music as Pasadena salutes Caltech's 100th Anniversary.

Finally, the Y has discount movie tickets available for AMC, Pacific, and UA theatres. We also rent camping equipment, if you want to enjoy the sunshine somewhere outside of Pasadena. We do need, however, everyone who borrowed sleeping bags for Frosh Camp to please return them.

For more information on any of the things mentioned here, or anything else, come up to the Y, in the Winnett Center above the bookstore. Or you can reach us at x6163. Even if you don't have questions, we'd like to see you! Till next week....



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The Opportunities of a Lifetime

NSA INTERVIEW SCHEDULE

The National Security Agency will be on campus October 30th interviewing seniors majoring in electrical engineering, computer science and mathematics.

SPORTS

Runners Move Up at La Mirada

by Ned Bowden

Fast times were the order of the day for the men's and women's cross country teams last Saturday. They competed in the Biola Invitational at La Mirada Park against teams in NCAA Divisions I, II, and III. The course contained rolling, grassy hills, and the cool weather made running conditions ideal.

The women's team (otherwise known as "Team Pepto Bismol") had to compete without injured runners Carol Johns and Anna George, the number one and five runners respectively. Running remarkably well over the five kilometer course, freshman Tobe Corazzini was clocked in an astonishing time of 23:18 - 2:58 faster than last week! Jessie Haldeman's

women's team posted their best times of the year as they took seventh out of eleven teams.

Fast. Intimidating. The men's team was all that and more as they rocketed over the eight kilometer course. Dan Flees continued his dominance as he posted a 27:32, his best time ever for eight kilometers. Despite running out of gas halfway through the race, Ned Bowden grabbed a personal record of 29:32. Closing in behind him and sensing his distress was freshman Schuyler Cullen who dropped his time by 2:30 over last week to finish in 29:40. A.J. Lavin continued to improve and make his presence felt by clocking a 30:38. Freshman Ron Steiger placed fifth on the team with a 30:59 - 2:09 faster than last

week and becoming competitive. The influx of new runners - both frosh and upperclassmen out for the team for the first time - combined with the returning upperclassmen have made the teams perform better than the preseason polls predicted. Their next two races (on October 19th and November 2nd) are the most important meets of the season, and you can be sure that they will be ready for them.

The Twins are walking over the hopeless Blue Jays on their quest for the American League pennant [Sorry Ned, series tied up 1-1 - Eds.], while the Vikings appear to be positioning themselves for the next draft as they have stumbled to 2-4.



Caltech Cross Country's Motto: We're smarter than you!

photo by Jim O'Brien

serious and confident attitude towards running paid off as she ran a 23:44 - 1:34 faster than last week. Rounding out the top five were Amy Hansen (25:22), Tristy Kibbey (25:23), and Aimee Smith (25:28); who all ran as a pack the entire way. Finishing up for the women was Betsy Barton in 26:59. The entire

week. With performances like these it is no wonder that the men crushed Chapman College's baseball team (their cross country team is composed of seven baseball players) and placed sixth out of eleven teams.

Both the men's and women's teams are looking better and better. They are running faster times every

Soccer Downs La Verne

by Jim Werner

The Flaming Beaver soccer team hungers to sink its buck teeth into the jugular of any opponent and once again smell and taste the warm blood of an enemy smeared over its face. With the aid of this insatiable appetite, the Beavers have earned their first league victory against the La Verne Leos. (overall Beaver record 2-8 as of 10/5.)

Against La Verne, the Beavers displayed great tenacity, coming back from an early deficit to win. The sole goal by La Verne came in the opening minutes from a corner kick and header combination that managed to bounce off the near post and enter the goal. The Beavers, however, never gave up.

In the second half, in order to stop freshman Dean Harritos from going on a wild rampage and scoring, the Leos fouled him around mid field. On the ensuing free kick, senior Jim Werner chipped the ball over a line of La Verne defenders; junior Greg Dudev gladly ran to meet it and blast it into the net for the tie. The winning goal of the match started from an excellent chip by Todd McLaughlin. A new addition to the Caltech squad, transfer student Osman Kibar, met the ball and shot it over the goalie to secure the first Beaver league victory of the season. Excellent play in the game was also displayed by freshman goalie Todd Gottula, who stopped many fine shots to keep the Beavers in the game.

In other league matches, the Beavers have suffered disappointing losses to Occidental and Whittier. Against Oxy, the Beavers played hard the first 80 minutes of the match, but with less than 10 minutes remaining, Oxy broke the 0-0 tie. With their spirits broken, the Beavers allowed Oxy to further the margin of victory to a final score of 3-0.

Against Whittier, the Beavers managed a 2-0 lead in the second half, due to goals by Osman Kibar and Gary Eastvedt. Osman Kibar's goal was unassisted, while Gary scored on a solid cross from junior Rob Whitely. However, the two goals failed to be enough as the Beavers failed in the clutch, possibly due to some questionable substitutions which allowed the mighty Poets to score three times to cinch the victory.

I must mention that the support we are getting from our own Tech crowd is astounding. However, due to more stringent league rules put in place recently, it would be wise to refrain from throwing rocks and Molotov cocktails at opposing players any more. The referees, however, are still fair game.

So, if you are female and you have nothing better to do, come watch the Beaver soccer team, as young, buff studs in soccer shorts run and sweat for 90 minutes. If you're male, come by and watch the female fans. Your attendance would be greatly appreciated.

CAPTAIN JIM'S JOURNAL



Wanted: Business Manager. Bad.



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