

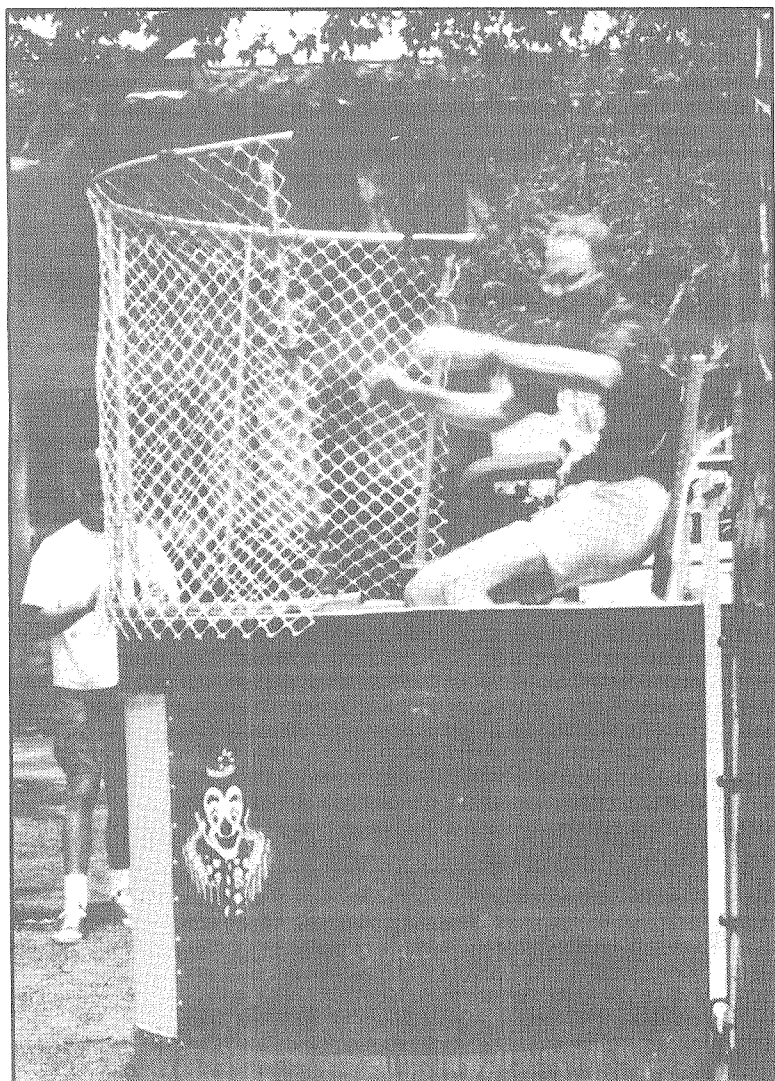
The California Tech

Never do unto
others what
they'll make you
undo.
—Froggy

Volume XCIV, Number 25

Pasadena, California

Friday, April 30, 1993



Dean Rod Kiewiet grimaces as a well-placed softball sends him plummeting into the icy depths during last Friday's Earth Day festivities. photo by Anoop Sinha

Deans' Cup and Residence Life and Master's Award Presented

by Suzette Cummings

The Deans' Cup and the Residence Life and Master's Award were presented at a luncheon in The Athenæum on April 21, 1993. These awards, accompanied by small cash prizes, are awarded to students whose concern for fellow students is demonstrated by persistent efforts to improve the quality of undergraduate life.

Nathan Frei and Edray Goins each received a 1993 Deans' Cup. Nathan is a senior in chemistry and Edray is a junior in math and physics.

Nathan received the Cup for his superb contributions in his role as house representative and secretary to the Board of Control. He is a concerned, hard-working, dedi-

cated individual and a definite asset to the student body. Nathan also tutors actively in a variety of chemistry classes, and he is on the Academic Policies Committee working on this year's survey of the core curriculum. Nathan is vocal in his house and is consistently concerned for the welfare of others.

Edray Goins's award is based on his service to Caltech and to younger students throughout the Southern California area. Perhaps most important, he has helped raise awareness of minority student concerns at Caltech. Edray is best known as the organizer and president of the Caltech chapter of the National Society of Black Engineers (NSBE). He has been tireless in his commitment to community service. Working for the Relations with Schools Office, Edray has put in many long hours helping public school students improve their math and science skills.

AWARD, page 4

Sign-ups for the following ASCIT-appointed offices have closed:

- Election Chairman
- Publications Darkroom Chairman
- Totem Editor
- Activities Chairman (ASCIT Movies Director)
- Big T Editor(s)

Interview times are posted on the East side of Winnett. Sign-ups for Coffeehouse Users' Group and Big T Business Manager are still open.

Undergraduates in math, applied math, and physics are encouraged to attend the first Charles R. DePrima Memorial Undergraduate Mathematics Lecture, to be held May 5, 4:15 P.M., in 22 Gates.

The Charles R. DePrima Memorial Undergraduate Mathematics Lecture was established by a gift from Charles R. DePrima and Margaret Thurmond DePrima.

The Institute is privileged to honor the memory of Professor DePrima with a lecture each year by an outstanding mathematician. DePrima served as a faculty member at Caltech for over forty years.

Peter D. Lax from the Courant Institute of Mathematical Sciences will deliver the first lecture; his topic is "Witty Mathematics." The lecture is free.

Laundry Thief Escapes

by Zack Berger

Heath Hunnicutt, a member of Ruddock House, knew for two years that laundry had been getting stolen from the North Houses' laundry room. He also noticed that the incidence of theft had increased during second term of this year. When Hunnicutt went down to the laundry room early Thursday morning, April 22nd, he learned something else: according to one Maria of the custodial staff, a "Hispanic man on a bicycle" had been seen stealing clothes out of the laundry room not twenty minutes earlier. Caltech Security did not respond when called by the custodian.

This was more than Hunnicutt could take. Members of various branches of the Caltech administration loaned him the necessary equipment for a detective-style stakeout: several pairs of walkie-talkies and a key to the North Houses' machine room. (The laundry room, scene of the crimes, can be watched through a crack in the machine room door.) Fellow Rudds Dennis Ugolini and Mike Kim agreed to help catch the thief.

On Friday morning, April 23rd, Hunnicutt filled a laundry bag with clothing and left it next to the door of the laundry room as bait. Ugolini staked out the "hot and dirty" machine room, watching the hallway, Kim watched the loading dock through a window, ready to call Caltech Security, and Hunnicutt himself sat in a parked car on the loading dock, "trying to remain unobserved."

"We sat there for a while," says Hunnicutt. "It was boring."

At 6:07 A.M. a "Hispanic man

with dark curly hair" rode his bike to the nearest basement entrance and went directly to the laundry room. Hunnicutt, Kim, and Ugolini waited to see if the suspect would steal the proffered bag.

The bait was taken. At 6:13 A.M., Ugolini "radioed that the man was leaving with a bag full of clothes." Hunnicutt describes the chase:

"I started pulling my car around to cut off his exit, but he had already gotten on his bike. I chased him to the San Pasqual dead end, where I had to ditch my car and chase the guy on foot. He rode north, between Keck and Braun, and I nearly lost sight of him. An unidentified student who had been walking south pointed the way for me, and I regained sight of the thief in the Chester parking lot."

Here Security, according to Hunnicutt, had its second chance to catch the man. In the parking lot were "two security guards, one in a truck." While Hunnicutt "got the message across to them that this guy on the bike needed to be caught," they played no role in the remainder of the chase. Hunnicutt then managed to solicit the services of "Steve, who works for irrigation," and his pickup truck:

"I was really losing the race against this guy when I saw a pickup pulling into the lot. I said to the driver, 'Did you see a guy on a bike?'"

"Yes," he replied.

"Let's go then!"

They chased the man to Grant Park. According to Hunnicutt, he "must have thought he had escaped, because he just put down the [laundry] bag and rested on top of it." Hunnicutt got out of the truck to find a phone and call the

police—and the guy got away.

"We chased him north, where he tried to lose us in side alleys. But we kept him in sight, barely."

"Eventually, we had him almost penned in a bank parking lot, on my side of the truck. I jumped out, and he rode through a small gap between truck and wall to get out. . . ."

The laundry was dropped, but the man rode on.

An exhausted Hunnicutt then chased the suspect on foot down Colorado while Steve's truck and another cooperative "white F250-sized pickup" joined in, chasing him through side alleys and one-way streets but eventually losing him. The owner of the white pickup told Hunnicutt that the thief had turned into the Coast Savings and Loan parking garage on the corner of Lake and Green.

Hunnicutt and company managed to chase but not catch the thief and retrieve some stolen laundry—which, he says, needs to be picked up by its owners.

Hunnicutt describes the subject of the pursuit: "Dark Hispanic, late 30's, black hair with even distribution of 1% gray, 220 pounds, 6'2", riding a bike with a basket/wire mesh tray on the rear, sort of flabby." Hunnicutt said the suspect was last seen wearing a blue crew T-shirt, gray shorts, and sneakers. Hunnicutt, Ugolini, and Kim later visited Grant Park and suspect from conversations they had that the thief has a girlfriend he lives with in the park, and that the stolen clothes were for her.

"Keep on eye on Grant Park for our laundry thief," says Hunnicutt.

Where were the police? AC-THIEF, page 6

Blandford, Zewail Elected to AAAS

AAAS Press Office

Caltech professors Ahmed Zewail and Roger Blandford were among 195 new Fellows elected to the American Academy of Arts and Sciences on April 15. Other Fellows elected include former President Jimmy Carter; Henry Louis Gates Jr., chairman of Harvard University's Afro-American Studies Department; *New York Times* columnists Russell Baker and William Safire; NBC News correspondent John Chancellor; cartoonist Garry Trudeau; novelist and critic Susan Sontag; and cellist

Yo Yo Ma.

Also named were thirty five distinguished foreign citizens, including Polish poet Zbigniew Herbert; novelist Kazuo Ishiguro; and filmmaker Marcel Ophüls, who will join the organization as Foreign Honorary Members.

The Academy was founded in 1780 by John Adams and other leaders of the young republic, who chartered the learned society "to

cultivate every art and science which may tend to advance the interest, honor, dignity, and happiness of a free, independent, and virtuous people." Today, the Academy includes more than 3800 Fellows and Foreign Honorary Members from a broad range of geographic, professional, and cultural backgrounds. Among its fellows are 171 Nobel laureates and 58 Pulitzer Prize winners.

The California Tech

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letters to the editor

ELEFHERIOS

I have been reading the national service/selfishness thread for the last few weeks and the thought that people did "answer the call", in a way, is funny. So I went back to the "root of all evil", Clinton's letter, and read it again.

Personally, I believe that the letter's most gross flaw is the part where he says: "They say that you are apathetic, and insist that you measure your success in the accumulation of material things. I know they are wrong. . . ." He forgot to insert the magic word "only" between "success" and "in". I am not striving for education here only for the mere sake of it. I need some money to feed myself, my future family, and to satisfy my whims, like buying a 486 PC and so on. So, I do measure "success in the accumulation of material things" but that is only part of the whole truth. I also measure success in the accumulation of knowledge. I measure success in the creation of a piece of art, the discovery of new ideas. If I were in for the money only, I would certainly not be a physics major.

My understanding is that Clinton was trying to motivate us into his offer by saying that "I know that you guys will not let me down." This was not necessary. He has explained earlier in a very eloquent way why national service is necessary: "Government can make vaccines available to children, but alone it cannot administer shots to them all. . . ." I don't know if the part about rediscovering "the excitement and idealism that makes us Americans" is flawed or not because, being from a foreign country, I am not knowledgeable about American culture, yet.

Other than the above, I think that Clinton's offer is O.K. so long as it doesn't substitute for other means of financial aid. I wouldn't like it if colleges started saying: "You want financial aid? Here, this is the grant, this is the loan and your work-study, and here the national service that you will do over the summer."

Now regarding, selfism and altruism, I want to respond to Fr. Wilson that in many cases altruism and selfishness overlap. The best illustration that I can come up with is our need for fulfillment. Face it, it is a selfish need. No one else needs Elef to be fulfilled with his life. Only Elef does. And how does he go about it? By doing a lot of things, part of which can be described as altruistic, like helping my little friend over in Lloyd with the math and so on. You may have noticed, by the way that I am defining selfishness as serving my own needs, while I suspect that Fr. Wilson defines selfishness as serving my own needs at the severe expense of other people and society as a whole. I call that aggression. Being a Greek, I

should remind you perhaps once more of the famous motto: "pan metron ariston" which says: "All things in moderation." Christianity doesn't mix well with this. It teaches that we should love all people, because they are all images of God. I just can't love those creepazoids back in High School that made it hell for me because they were jealous of my few strong inclinations. Moreover, love is special just because it is shared only between certain groups of people. If I love everybody, then what meaning can that love have? Respect is what my default feeling towards others is. I start out with that. If I find them worthy of my love, they will become my friends. Some of them might lose some of my respect. But even in the latter case, I will still maintain a minimum amount of respect.

We have evolved from monkey-like beings that survived because they were selfish and aggressive. It is part of our "heritage." Still, because we are smarter than those monkey-like beings, we understand that if we police ourselves, we will serve our selfish needs better. The thing that complicates everything is that one of those needs is love and friendship. I will agree with Fr. Wilson that "human beings [word "only" omitted this time] find fulfillment through loving." You can argue that when I help someone in math, I do it because (s)he can help me in Chem. But that's not just all. I also feel warm because I helped someone. It is the same warmth that teachers feel when their students get into Caltech (smile). Maybe it is just me, but I *do* feel that way. On the other hand, I don't go around giving away money to random people, as Christianity suggests, and I don't patrol around all seven houses looking for people that need help with the math. "All in moderation." Extreme selfishness is wrong. Complete lack of it is also wrong. As for the ideal amount, it is somewhere in the middle, but you won't find it at the same place every time.

I also want to reply on Fr. Wilson's comment that Caltech should "produce" (poor word choice, we are not things, products; we are people) "more scientists and engineers who are conscious that their talents are for others." Actually I *do* know of a student that is conscious of that, but then I don't know that many people. I believe that Fr. Wilson is being bitter about scientists who build weapons and so on. I also believe that he is not being bitter at poor Madam Curie for discovering radiation. Science can be used for good and for evil. Scientific ideas are not inherently evil, but some of the applications are. Even yet, things are not that simple. Should we be mad at Feynman for working at Los Alamos? What would you like? Would you like the Nazis to get the bomb first? Ethics and science are a tough topic, and scien-

tists always get the blame. They made all that technology that pollutes the planet, right? And what of the politicians? The money-dudes? Who was it that first cried "Fire!" as far as the environmental crisis goes? It were scientists. Who can suggest solutions? The scientists. Who is it that should pay scientists to work on that direction and apply their suggestions? Who is it that pays scientists to work on the opposite direction? Scientists need a job too, damn it!

Elef Gkioulekas
MSC 605 Caltech

Game Room Vandalism

The Student Activities Game Room has, since its opening, been a source of entertainment, fun, and food. Why is it then that students want to vandalize the video and pinball games? I have witnessed students become totally out of control and violently kick coin doors, physically bash video games into walls, and attempt to put their fists through plexiglass screens, and not think anything of it. These students then leave rude, and very colorful comments on our refund sheets that, when interpreted, ask the question, "Why don't the games in the game room ever work?" Have they ever stopped to think that when they hit a video game hard it's very possible that they've broken something in the game, something that makes it work? When people kick coin doors because the video screen dares to flash "GAME OVER", they are damaging the part of the game that takes in the quarters which in return hits a switch inside that activates the video game. So when the next person comes along to play, instead of their quarter hitting the switch, (which has broken off because the last person kicked in the coin door), the quarter just plops to the bottom of the floor inside the game.

We who watch over the game room have been forced to take some action before things get worse. In the future when any of the staff notice people getting out of control we will warn them, and if necessary take their name down and submit it to the Board of Control with a report of damage and possible costs the abuser will be expected to absorb. Since our game room is not monitored by anyone and those students who use abuse the game room do not believe in enforcing the Honor Code we feel this is the only option we have other than not having a game room. We also hope that any students who witness acts of vandalism will not hesitate to get involved and either make the person stop or report to us what they have witnessed.

Gina Armas



Ator O'Malley

Ator's Answers

The California Tech is very pleased to announce that Ator O'Malley has agreed to replace columnist Ernest Tomlinson, who will now be writing for the GSC Newsletter. We believe that Mr. O'Malley will be a true spokesman for his generation, much as Ernest was when he began writing for us. We now turn you over to the able hands of our new Answer Man, Ator O'Malley:

Dear Ernest Ator,

I was recently told that the song "Savoy Truffle," by the Beatles, contains many references to drug use, and that it was written by John Lennon while he was in an LSD-induced trance. Is this true, or what?

—a concerned faculty member

Dear Concerned: The song "Savoy Truffle" has nothing to do with drugs. It is a reference to Eric Clapton's recurring dental problems ("You'll have to have them all pulled out after the Savoy Truffle").

—Ator

Dear Ernest Ator,

I'm not sure that you're the right person to ask about this, but here goes. I was reading the Tech staff box when I noticed that you list "Momo Jeng" as a staff member. What kind of name is Momo? Is this someone's pseudonym, or just a weird in-joke?

—Dweezil McShaffer, Director of Security

Dear Dweezil: Momo is in fact his actual name. It seems that Mr. Jeng was quite an unhappy baby, so his parents decided to name him for the Greek god of mockery and censure, Momus. Glad to be of help.

—Ator

Perplexion

I am writing to draw your attention towards what seems to be a rather perplexing omission from your publication; there is nothing—*nothing*—to read in *The Tech*. I hope you will take immediate steps to rectify this neglect.

Sincerely,
Khurram Dastgir-Khan

Editors Respond

Sad, but true.

The Editors

Please send letters to the editor to *The California Tech*, Caltech 40-58, Pasadena, CA 91125, or by e-mail to editors@tech.caltech.edu.

The Tech reserves the right to edit all letters for brevity or otherwise, and to refuse to print any letter for any reason. Although we strongly discourage anonymous letters, we will withhold the author's name upon request.

The California Tech
Volume XCIV ♦ Number 25
April 30, 1993

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

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

Turn in copy (preferably on Macintosh 3.5 inch disk) to the Tech mailbox outside SAC room 40. E-mail may be sent to editors@tech.caltech.edu. The deadline for copy is Wednesday at noon; for announcements, Tuesday at 5 p.m.

The California Tech is distributed free. Issues will be mailed off-campus upon receipt of \$10 per year to cover third-class postage and preparation costs.

Printed by News-Type Service, Glendale.

ISSN 0008-1582

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Andorra (old news)
Andorra voted to sever its feudal links with France and Spain.

Belgium
Belgium's Parliament passed a revision of the constitution giving regional autonomy to Dutch- and French-speaking regions. Belgium has had problems over the last several decades dealing with conflicts between its various ethnolinguistic groups.

Bolivia
Bolivia's Supreme Court sentenced ex-dictator Luis Garcia Meza to 30 years in prison for charges including murder and genocide.

Chinas
The Republic of China and The People's Republic of China met in Singapore to discuss illegal immigration, economic ties, crime and property rights. Representatives of both countries said that a closer economic relationship could eventually lead to reunification.

Costa Rica
19 of Costa Rica's 22 Supreme Court justices were kidnapped and held hostage in the Supreme Court. The kidnappers de-

manded \$8 million ransom.

Eritrea
The people of Eritrea began voting on formal independence from Ethiopia. It has had de facto independence since 1991 and over 90% are expected to vote for independence.

Israel
Syria, Jordan, Lebanon, Egypt and the Palestinians resumed peace talks with Israel. Israeli Foreign Minister Shimon Peres said that he would offer the "Palestinians self-government that includes police, responsibility for health care, the postal service, commerce, agriculture..."

Israel announced it would allow 30 exiled Palestinians to return.

Italy
Prime Minister Amato resigned, ending Italy's 51st post-WWII government. Carlo Azeglio Ciampi was chosen to replace him.

A Senate committee voted to lift

ex-Prime Minister Giulio Andreotti's parliamentary immunity. He is accused of having been a contact for the Mafia.

Koreas
South Korea reported that North Korea had decided to re-enter the nuclear nonproliferation treaty.

Russia
In a nationwide referendum, 65% of voters expressed confidence in Yeltsin, 58% approved of his reforms, and only 44% voted for early presidential elections, while 76% voted for parliamentary elections. The turnout was only 60% of eligible voters. Yeltsin began campaigning for a new constitution which would increase his powers

of budget cuts and austerity measures for the next five years amounting to 10% of Sweden's GNP. They said that the cuts were necessary to reduce the national debt, which is currently 13% of the GNP.

United Kingdom
A bomb went off in London's financial district, killing one and causing up to \$1.6 billion in damage. The IRA claimed responsibility.

United States
The Democrats in the Senate dropped Clinton's \$16.3 billion stimulus plan after a fourth attempt to end to month-long Republican filibuster failed. 60 votes are

needed to end debate, but the Democrats were only able to get 56. The Senate instead passed a \$4 billion plan for unemployment funds.

Somalia
The U.S. gave control of Mogadishu to Pakistani U.N. troops.

Sweden
The Swedish government announced a series

The White House indicated that health care reform would begin in the insurance industry. The plan, as it is currently being presented, would organize the country into large insurance purchasing alliances. Insurance companies would have to set premium rates by the average cost of covering an entire community, accept all applicants, and not change the premium rate on the basis of medical history.

The Defense Department concluded their investigation of the Tailhook scandal by charging about 140 officers of misconduct or sexual assault.

Lots and lots of people (around 0.3 to 1.1 million) marched in Washington D.C. in a demonstration for equal rights for homosexuals and bisexuals.

Defense Secretary Les Aspin said he would ask the military to allow woman to fly combat missions.

The FDA said it would approve the female condom.

ASCIT BOD Minutes April 27, 1993

by Karen Shih

Present :BOD plus Pinky, Dave Derkits (Election Committee), Jen Trittschuh, Steve Skovran & Jon Lange (Coffeehouse), Mike Nassir, June Fujimoto, Bill Castillo (Dabney), Gavin Claypool, Win Chamberlain, Finny & Rhonda (CCF), Nils Halverson (Caltech Flying Team).

- SAC TV Room: ASCIT decided to look into taking over care and maintenance of the SAC TV Room.
- Dabney is here to pick up their \$300 for 3rd term social activities.
- IHC, Coffeehouse, and BOC are picking up their 3rd term loot.
- IHC meetings will be 8:00 P.M. Tuesday nights.
- BOD is having dinner in Blacker Thursday night; all houses will have a chance to grill us sometime soon.
- Flora needs interested faculty to help out with the upcoming Student/Faculty Conference. Moeen and Mike will make a presentation at the next Faculty Board Meeting.
- The Caltech Flying Team would like funding for the next fiscal year. We can't fund it because it doesn't have enough active undergrads (see the Bylaws).
- CCF is here to discuss the cut in their

funding this year from last year. Discussion (and I mean serious and long discussion) ensues over the feasibility of funding religious groups on campus, reasons for the funding cut, and the BOD's rationale for allocation of funds during the Budget Meeting.

- Interviews for the Director of Women's Center end today. The undergraduate committee will meet Thursday at 5 P.M. in this room.
- Announcements:

- Anandi wants money for the formal by Friday.
- KKGO will be playing The Ride at 7 A.M. on June 9th.
- Friday is the baseball team's last home game.
- Jen has an Executive Committee.
- Doughnuts will be out at 8 A.M. on Friday
- Sign-ups for ASCIT-appointed offices of Big T Editor(s), Totem Editor, Publications Darkroom Chairman, Activities Director, and Election Chairman are closed. Interviews will be held Tuesday night at 10 P.M. Exact times will be posted. The rest of the offices are still open.
- The Academic Policy Committee, under direction of the Faculty Board, will be working on different plans for changes to the core curriculum and will be presenting these plans at the November Faculty Board Meeting.

- Budget: Several suggestions are brought up to make the next BOD's job a little easier (if such a thing can be done). A Handbook for Club Self-Auditing Procedures would require that all ASCIT-funded clubs provide ASCIT with a complete record of the past year's activities and expenditures as well as any surplus from last year's funding in order to receive funding for the next fiscal year.

- CCF: The BOD looks over its rationale for cutting funding for CCF to half its funding from last year. Basically, the funds cut are for the CCF Pre-Frosh Ice Cream Social and the CCF Pre-School Barbecue, held annually on the second to the last night before Frosh Camp to provide dinner for the Freshman. After some heated discussion, the BOD decides to keep CCF funding as is, but will have the money reserved in Anandi's budget for those two events on the condition that CCF discards the sign-up sheet for the Ice Cream Social. Furthermore, Moeen is looking into the possibility of adding a resolution to the Bylaws which discourages recruitment during Pre-Frosh Weekend and before the next freshman class is set.

Editor's Note: For the full text of the ASCIT BOD minutes, see a copy posted in your house or on Winnett.



by Gypsy Achong

Crime tip: This week I'm going to emphasize what I suggested last week since again jewelry has been stolen from a room that was not locked. Please lock your doors at all times, especially if you have valuable items stored there (and that includes yourself).

- 4/21 2:00-6:00 P.M. A member of staff had her bike parked in the stairwell of Church Lab, and noticed that it was there at 2:00 P.M. but that it was gone at 6:00 P.M. \$400
 - 4/9-14 10:00 P.M.-6:00 P.M. A student had a gold chain with a pearl and sapphire pendant on top of his desk. It was mixed in with his papers so he didn't notice that it was missing until he searched for it. He believes that it was stolen. The door to his office was closed but not locked. \$170
 - 4/20 7:00 P.M. Two boys, aged 14-15, were observed riding around the area between Booth and Steele labs. They were later observed riding away with a wheel that was bigger than the wheels on their own bikes. Apparently they had removed this wheel from a bike that was secured to the sculpture.
 - 4/21 5:00-9:30 P.M. A faculty member's bike was stolen from the South side of Noyes. The bike was locked with a cable and lock but not to anything. \$400
 - 4/22 6:15 A.M. & 4/23 6:07-6:13 A.M. A man was observed removing clothes from the Ruddock laundry room. The second day some students chased him as he rode off on his bike and he dropped the stolen clothes, which were recovered. See story, page 1.
 - 4/23 12:00-3:10 P.M. The passenger side rear window of a car parked on Chester south of Del Mar, near the Children's Center, was broken and a stereo and leather backpack were removed. \$80
 - 4/25-26 11:30 P.M.-9:15 A.M. A Mazda RX-7 parked in an R.A. space near Chandler was stolen. \$4000
- This week's total: \$5050

The Centennial Car Part Report™

by Dirk Runge

Featuring the results of the 100,000.0 Mile Contest

33 58' 45" ± 30" North
118 58' 45" ± 30" West
Apr 25, 1993 17:04:00 ± 0:00:30 PST

Despite the efforts of a failed driver's side driveshaft, and thanks to the generosity of Pamela Abshire, my car has reached the 100,000.0 mile mark. As promised, I have chosen winners for the 100,000.0 mile contest.

Winners are as follows:

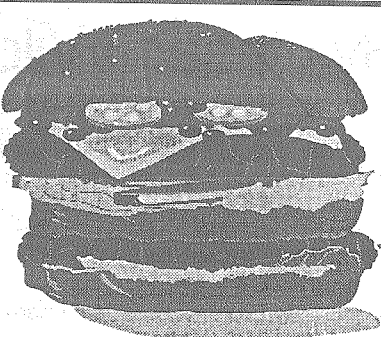
- Closest Time: Jeff Denniston who entered April 18, 1993 8:64:27 PM which was closer by eight days than the next closest on April 10, 1993 at noon.

- Location Prize: Jeff Denniston whose entry narrowed the closest by specifying "L.A. County", and "On a road or driveway." All other entries had correctly narrowed the location down only to the State of California. Jeff also wins style points for suggesting that the 100,000 mile event would not take place on Catalina Island.

Honorable Mention goes to Rich Zitola, who was the only person to enter the first round of the contest.

Congratulations to all of the winners and the class of '93.

Incidentally, the Odometer rolled over at the dead end of Bali Way in the city of Marina Del Ray.



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opinion

Ramblings on C House

by Shane Sauby

C House is coming. It will be finished within the next four years (hopefully) and will become an integral part of Caltech life. It is important for everyone, especially undergrads, to consider what C House will be and what effects it will have on Caltech.

C House will provide 180 undergraduate spaces. This will be a *minimum* of 20% of the undergraduate population. This alone will have a major effect both in the near future and beyond.

In the past, decisions were made long before the students even got wind of what was going on. The mailboxes in the middle of our lovely campus are a perfect example. In this case, however, it is generally known that C House will be built, where it will be built, and when it will be finished. In fact, some present freshmen may be among the first to move into C House. Also, it is planned for C House to become an integral part of the Caltech social life for undergrads, grads, alumni, and

faculty. Due to its large scale and its many effects, all of the present students should stop and give some thought to what they think C House should be like.

It has already been determined that C House will have its own kitchen. It will serve its meals cafeteria style. Thus, from a student's viewpoint, it will be considered "on-campus," or more specifically, on-board. This would increase the number of on-board required spaces from 500 to 680, forcing more than 85% of the undergrads to join a board program. Like many things about C House, this is not necessarily set in stone, but it might become so very soon.

One should also consider how these spots are going to be filled. Will the spots be entered in the "off-campus unaffiliated" room hassle at the end of the year? Will there be "affiliated" spaces in C House? Will freshmen be allowed to live in C House? This last question has many repercussions and should be considered at length. If freshmen are allowed into C House, how will they choose C House?

It has been said that C House shall be left to its own devices, in a similar manner to the undergraduate houses. Will C House have a president? If it does decide to have a president, will he or she join the IHC? Of course, if C House is run like one of the off-campus apartments, like 150 S. Chester, then these questions will be moot.

What kind of accommodations are going to be put into C House? Will there be singles, doubles, or suites? Who will have priority in choosing where to live? Will the graduate students and faculty move into C House by choice, or will they end up there as a last resort?

I have my own answers to all of these questions, but my point is to promote discussion and feedback. There are other, finer points that can also be discussed, but I leave that to you and your fellow classmates. Everyone should consider what C House is going to do to Caltech. Its effects are going to be far-reaching, but if everyone starts thinking and talking about it now, it will turn out much better in the long run.

letters of a biped savage

Bosnia

by Khurram Dastgir-Khan

We are witnesses: history is repeating itself. Much as we would like to consign the barbaric exploits of humanity to the past, they stare us in the face, live via satellite, from Bosnia.

Bosnia is an echo of Nazi Germany: an ethnic majority, led by an elected dictator, is viciously destroying a religious minority. The Nazis added "holocaust" to modern vocabulary; the Serbs have added "ethnic cleansing." The parallels between Jews in Nazi Germany and Muslims in Yugoslavia are inescapable. Like the Jewish minority in Hitler's Germany, the Muslims in Serb-dominated Yugoslavia were mostly urban and secular. They were also generally more sophisticated and affluent than the rural Serb majority that viewed them with resentment and class antagonism.

The breakdown of Yugoslavia in the wake of the collapse of the Soviet Union allowed the Serb majority to assert its numerical superiority. The breakdown also gave the Serbs full control of the state apparatus of the erstwhile Yugoslavia, thus bringing heavy artillery, tanks and airplanes at their command while the Bosnians have had to rely on light weapons.

In Bosnia, Serbian forces are the main offenders. "... as the aggressors," writes Jeri Laber in the March 25 issue of *The New York Review of Books*, "they [Serbs] are in a position to do the most damage to civilians, and their vicious policy of 'ethnic cleansing' has provided them a pretext for their actions. . . . The aim is to terrorize, and the methods follow a formula . . . cold-blooded killings of men, women, and children; bodies dumped in hastily bulldozed communal graves; apartments, homes, and villages looted and burned; forced deportations; torture and abuse of detainees; rape."

Indeed, the most appalling aspect of this war has been the rampant rape of Bosnian women by Serb militias. To be sure, Serbs are not the only guilty group. In the war between Serbia and Croatia, rapes were widely reported on both sides. Extensive evidence exists, however, that Serbian forces are using rape explicitly as a political weapon towards ethnic cleansing. A team sent in January to Bosnia by the United Nations Commission on Human Rights concluded that rape had occurred "on a large scale." Jeri Laber's article, cited above, is a balanced effort to probe the reality and the number of these rapes. In *The Nation* of March 1, Slavenka Drakulic writes, "The rapes in Bosnia are not only a standard tactic of war, they are an organized and systematic attempt to cleanse (to move, resettle, exile) the Muslim population from certain territories Serbs want to conquer in order to establish a Greater Serbia. The eyewitness accounts and reports state that women are raped everywhere and at all times, and victims are of all ages, from 6 to 80." (I strongly recommend that readers peruse both the Laber and Drakulic articles to get a better sense of this issue.)

The evidence of atrocities in the Bosnian war is abundant, but it is difficult to imagine a resolution to the conflict. If the war runs its present course, Serbs will eventually annihilate Bosnia by bombing and starving Muslim population centers and by raping and murdering civilians. Does the world, especially the West, have a moral responsibility to save a persecuted minority? Yes. But how should this responsibility be implemented? Here we reach an impasse.

All proposed diplomatic and political solutions to the Balkan problem have failed. Only a massive *ground* military effort by NATO, in conjunction with the United States, can save the Bosnian Muslims. This effort would, unfortunately, entail large NATO and American expenditure in recessionary times. More importantly, this offensive has the potential of large casualties. Are the Americans, the French or the British willing to sacrifice their young men in a battle—incited only by moral imperatives—in a politically and economically unimportant country?

Even if western countries make the highly improbable decision to go to war to prevent the destruction of Bosnia, they have the task of defining the enemy. True, the Serbs are the main aggressors, but not the *only* aggressors. Finally, there remains the question: what comes after the western intervention? Even if—if—order is established, the fuse of ethnic hatred will continue to burn, placing the Balkans permanently on the brink of war.

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The Importance of Being Earnest

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continued from page 1

Award

Edray's exemplary record of service reflects his desire to help others, as well as his goal of making Caltech a better place for all students.

The Residence Life and Master's Award was given to Joanna Wills, a senior in geochemistry, for her active involvement and student interest as President of Ricketts House. She was particularly concerned with undergraduate women issues and helped to resolve several situations within her house and throughout the community. She also worked to improve relations between students and the administration.

Swirlies's Blondertongue-audiobaton Seductive, Off-Center

by Kurt Revis

The first full-length album by Swirlies, a young, new band from the Boston area, is one of the most energetic, enigmatic things I've heard in quite a while. The music is a swirliness of twisted guitar, low-fi effects, bashing drums, and semi-intelligible, sweet vocals. Songs start abruptly, change direction two or three times, and then drop into the next song without a pause. Often, as in the best song, "Pancake," all but one instrument will drop out, repeating a simple phrase. Then, just as suddenly, the entire band will just back in, defying the listener to separate the layers of sound.

Swirlies's sound is almost like a rawer, less-repetitive My Bloody Valentine, willing to drag any interesting sound into their music. "His Life of Academic Freedom", for example, features fake vinyl scratches and pops, which is annoying until you realize that the

noise is really an intentional rhythm, a substitute for traditional drums. Other songs include bursts of static, shopping mall noise, and what sounds like feedback from toy walkie-talkies. Although all of this noise would drive almost any recording engineer crazy, after a couple of listens, it begins to take on its own charm. Even without the weird effects, the music's headlong rush is seductively appealing and melodic.

Certainly, Swirlies will be a shock to anyone who thinks that the overly-hyped "alternative/grunge/Seattle/KROQ scene" is anywhere near the cutting edge of rock music. To anyone willing to listen, though, *Blondertongueaudiobaton* is worth giving a try. Also highly recommended is the band's previous 7-song EP, *What To Do About Them*, which is just as concentrated and off-center as the LP.

Blondertongueaudiobaton is available on Taang! Records.



entertainment

The Importance of Being Earnest

by Chris Echols
and Dennis Chang

TACIT opened its production of Oscar Wilde's *The Importance of Being Earnest* Saturday afternoon in Dabney Lounge. The story follows the tribulations of Jack Worthing, who is "Ernest" in the city and "Jack" in the country. Jack's origins are unknown; he was discovered in a handbag in a railway station and raised as a gentleman. He successfully woos Gwendolen in town, who has always dreamed of marrying a man named "Ernest." His friend Algernon discovers Jack's "bunburying" and arrives at Jack's country estate claiming to be Jack's fictional wicked brother, "Ernest." Algernon and Jack's ward Cecily fall in love, and when Gwendolen arrives in the country she and Cecily discover they are both in love with "Ernest." They soon find out, however, that neither man is Ernest. Happily, the situation is resolved when Jack's true identity is discovered at the end.

An interesting aspect of the play is the outdoor setting of Act II, which takes place at Jack's country estate. It was interesting and fun, in accordance with the mood of the play. The only problem was a low flying helicopter at the beginning of the act. Other than that, the outdoor setting was quite excellent.

Costumes and sets were convincing and reminiscent of turn of the century upper crust London. In fact, great emphasis was placed

on the time period. The program says, "The players will relocate outdoors and indoors, respectively, during the first and second intermissions; and the audience, bearing in mind the exquisite manners of the Edwardian era, is kindly requested to follow their example." Although cute, this emphasis on "turn of the century London" detracted from the play. The earmark of a great play is its universality, its ability to deal with fundamental aspects of human existence. Oscar Wilde was certainly not a rage of the moment playwright, concerned only with turn of the century London. One would think so, however, from this production.

In addition to the outside setting of Act II, the addition of "period music" (mostly Gilbert and Sullivan songs) to the play was also interesting, but not as successful. The first piece, Gilbert and Sullivan's "A Man Who Would Woo a Fair Maid," was terrible. The trio, Anna George, Debi Tuttle, and Matthew Durasoff, strained their voices all through the song, with Durasoff's voice cracking in last lines. Projection and tone suffered as they tried to sing into the higher registers. The singers, however, managed to maintain their composure and performed with full effort. Act Two, set outside in the Gardens, began with a solo selection that was even worse: Scott Van Essen sang Schumann's "Der Nussbaum" ("The Walnut Tree"). The poor show was probably due to his inability to hear the piano playing inside Dabney Hall, and he fal-

tered frequently in search of the accompaniment. Things picked up in the next solo, in spite of the indoor/outdoor problem with the piano. Anna George performed "In a Garden Full of Posies," by Gilbert and Sullivan, fairly well. Her singing was expressive and precise but had little projection, possibly because of the open-air setting. The next song was on the up-swing: A quintet comprised of George, Van Essen, Tuttle, Durasoff, and a new vocalist, Joel Schwartz, sang "When a Wooer Goes A-Wooing," another Gilbert and Sullivan work. It was well executed, and the whispering of the piano was neither necessary nor heard. By this time, the singers had warmed up and began to throw their hearts into their voices. The vocalists moved back inside and upstairs to the balcony, where soloist Debi Tuttle sang "Were I Thy Bride" beautifully. The rest of the quintet joined up for the last piece, "When the Buds Are Blossoming," which was the best yet.

As to the songs, they were all beautiful, but were not very engaging. Vocal-piano pieces are generally low-energy, and these songs were typically boring. They turned out to be nothing more than something to fill the time and detracted from the play instead of enhancing it. They entirely over-emphasized the time-period and did not mesh with the humor and satire of the play.

Much better things can be said of the acting, which was most excellent. The casting of characters

EARNEST, page 7

Bridge Without Sam

by Jeff Goldsmith

Annoyed

Playing matchpoints in a field where everyone is supposed to have 1000 or more masterpoints, things are going badly and I am annoyed. I deal myself

♠KJ10 ♥KJ1084 ♦K32 ♣63

In the methods we are playing, this is really a pass, but I am tired of having no part in our destiny, so I open 1♥. Partner bids 2♠, entirely artificial, asking me to (normally) bid 2NT, which I do. He rebids 4♣, which shows 16-18 support points, a singleton or void club, four hearts, and a decent spade suit, though not necessarily a long one. What now?

My choices are to sign off in 4♥, cue-bid either the ♦K or the spade fillers, bid Blackwood, or leap to slam. Which is best?

My first thought is that I have just opened an aceless 11-count, so I should not be making any slam noises, but on reflection, that is a short-sighted judgement. Usually, by this time in the auction, a normal opening bid is down to about eight to ten working points, but my eleven are all gold. I think signing off is out of the question; partner will pass when slam is cold. I should at least make some sort of slam try.

What are some hands that partner could have?

- | |
|--------------------------|
| 1. ♠AQxxx ♥AQxx ♦Qxx ♣x |
| 2. ♠AQxx ♥Axxxx ♦Axx ♣x |
| 3. ♠AQxxx ♥Qxxx ♦Axxx ♣— |
| 4. ♠AQxxx ♥Axxx ♦QJx ♣x |
| 5. ♠AQxxx ♥Qxxx ♦AQx ♣x |

These all seem reasonable; he almost has to have the ♠AQ to have a decent suit. He should have a heart honor or two, and is very likely to have a card in diamonds, either the Ace or the Queen. The first point that comes to mind is that 5♥ is probably pretty safe; only hand 4 has much chance of going down, and I still can find the ♥Q to make it. If he has hand 2 or 3, 6♥ is making. Slam is definitely in the picture. Is there a sensible way to investigate slam?

Will cue-bidding help? I don't see how. It looks as if we shall make a slam unless we are off two aces or an ace and the trump queen and I don't find it.

What about Blackwood? If 4NT were Blackwood, then a 5♠ response, showing two aces and the trump queen, would get us too high. Fortunately, we have agreed that 4♣ is Blackwood here, and 4NT is a spade cue-bid, so Blackwood is safe to use.

Finally, I decide to bid Blackwood. Partner shows three aces with a 4NT bid. (He cannot have zero aces.) I ask about the trump queen with 5♠, and he bids 5NT, showing the trump queen, but no side kings (and presumably no club void.) Twelve tricks should be cold, and they are when dummy tables hand 2. Note that partner showed the ♥Q, even though he did not possess it because he has a fifth trump. With a ten-card fit, the trump queen should be unnecessary.

I am no longer annoyed.

The Caltech Bridge Club meets every Monday night at 7:15 in Winnett Lounge. Everybody is welcome; call Jeff Goldsmith at x2818 for details.

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This will be a free concert and it will be our final concert of the year. Over five hundred people attended our last jazz band concert, and the Jazz Bands only two weeks ago sold out at the local jazz club, the *Baked Potato*. If you haven't heard these groups this year, come and find out what you've been missing.

sports

Club Homeboy Plans Triathlon, Heptathlon

by Andrew Zug

It's spring and Club Homeboy is gearing up for yet another season of glamorous sporting events. For those of you are unfamiliar with Homeboy, it is an informal club for multisport aficionados with an emphasis on distance events. Those of you who are familiar with the Club may know that its official name is the Caltech Duathlon/Triathlon Club and you may be thinking "Gee, it sure has been a long time since we had a triathlon." Club Homeboy recognizes this and, in an effort to dispel the myth that the Club is run by a bunch of runners who are afraid of water, is proud to present "The (sort of) Annual Spring Triathlon" (this has been known in the past as the "Sports Day Triathlon.") All the swimmers who have longed to participate in the prestigious Homeboy events now have an opportunity to do so. (And since the Coors Light Duathlon Series is dead, it is an increasingly rare opportunity for all the duathletes out there.)

This triathlon will be held on Saturday, May 15 and will start and end at the Caltech Gym Complex. The tentative time starting time is 9:30 A.M., with registration at 9:00 A.M. It will consist of a 4.0 mile run, a 15.0 mile bike, and a 400 meter swim. The events will be ordered run-bike-swim in an effort to spread contestants out before they enter the swim portion so that the pool does not become congested. The run and bike portions will be identical with the first and second legs of the last Homeboy Duathlon. This consists of a loop around the

Huntington through the streets of San Marino done once on the run (the course will be well marked and maps will be available at the race). This loop is then done four times on the bike. The most difficult feature of the course is a short but steep hill on Shenandoah Street.

As always, Club Homeboy will be providing state of the art refreshments (courtesy of funding through ASCIT and GSC). Better yet, this event is free to all members of the Caltech/JPL community (compared to the \$75-100 entry fee at other races of this type). Relays are especially welcome as are people who just wish to do part of the race. More information on the exact logistics of this race will be posted here and elsewhere. For more information, call Andy Zug at 577-2772.

The week after the Triathlon (the weekend of the May 22), Club Homeboy will host its traditional Spring Heptathlon. This is a track and field event consisting of the 100 meter hurdles, high jump, shot put, long jump, 200 meter dash, javelin throw, and the 800 meter run. It will be run and scored according to the rules for women's international heptathlon. If you have thought that it might be fun to do one of these events but have never had the opportunity, this is your chance. It will be informal and well stocked with food and drink. Like all Homeboy activities, this event will be free and open to all members of the Caltech/JPL community. Details will be announced later. Again, call Andy for more information.

Caltech Velo Finishes Season on a Positive Note

by Michael Kantner

After several weeks of collegiate bicycle racing with only limited success, Caltech Velo (the Caltech Cycling Team) finally scored points at the U.C.L.A. Criterium. Michael Kantner placed tenth in the Men's C race earning 3 points. Liz Moyer placed seventh in the Women's B race also earning 3 points. This lifted Caltech up out of last place in California Collegiate Cycling.

Caltech Velo is the official (at least for racing) name of the Caltech Bicycle Club. In addition to racing, the club also organizes several recreational rides, including an off-road ride, each week. On weekends, several members of the club travel to races and compete against local colleges. This is the team's first year of existence.

On Saturday, April 17, Caltech Velo members Kantner, Charles Musgrave, and Remy Hathaway competed in the U.C.L.A. Road Race at Pyramid Lake. The course was 14 miles out and back along a very hilly road.

In the Men's C race, Kantner and Musgrave started up the first climb in good position. At the top of the mile long hill, Charles was showing signs of fatigue while Michael seemed strong. Fortunately, there were 6 miles of descent until the turnaround. Just after the turnaround, at the start of the 6 mile climb, Michael darted off the front of the pack. For a short time, it appeared that he could maintain the breakaway. However, he had made his move far too early, and was caught. In fact, he was too tired to hang with the main pack and quickly fell off the main pack.

The attempted breakaway accomplished two things. First, it strung out the pack separating, the strong and the weak. Second, it brought a quick end to Caltech's

chances for placing in the race. Charles, not being a strong hill climber, had fallen off the back during the six mile climb. At the end of the first of three laps, Charles dropped out, hoping to save energy for Sunday's race. Michael completed 28 miles of the 42 before abandoning.

In the Men's D race, Remy Hathaway was Caltech's only entrant. The D race was 2 laps yielding a total of 28 miles. Remy finished the race behind the lead group, and did not score points. But as racers say, "Any race you finish without crashing is a good one."

This left Caltech Velo hoping for a strong showing at Sunday's criterium. A criterium is a race in which the course is many laps of a short loop (between 0.5 and 1.25 mile). Sunday's course, at the V.A. Medical Center near U.C.L.A., was 1 km long with a hill. Charles and Michael entered in the Men's C race, which was 30 laps. Liz Moyer entered in the Women's B race, which was 25 laps.

In the Men's C race, both Charles and Michael were showing bad form early in the race. When questioned after the race, Michael said, "I just couldn't get warmed up." With about ten laps to go, both Charles and Michael moved into good position and started preparing for the finish. Michael went with every breakaway attempt, and Charles stayed near the front of the main group.

Since no breakaway was successful, the race came down to a pack sprint finish. Both Charles and Michael had good position leading into the final turn. However, disaster struck. A C.S.U.-Long Beach rider, attempting to set his teammates up for the win, clipped a pedal while pedalling through the turn. This caused a crash which took down 3 C.S.U.-

Long Beach riders, sent one C.S.U.-Long Beach rider into Michael, and forced Charles to slow down. Michael, while losing a lot of speed, managed not to crash even though the Long Beach rider's handlebars were caught in his own. Once the two were untangled, Michael sprinted for the finish. Even with the collision, he placed tenth, earning 3 points for Caltech. Charles, trapped behind the crash, finished the race, but did not place.

Liz Moyer appeared strong from the beginning of the Women's B race. On a prime lap, one in which points are awarded to the first four racers across the line, she was fifth. Throughout the entire race Liz maintained good position. At one point, Liz and seven other racers were off the front of the main pack. However, the breakaway was not well organized and was quickly caught. As with the Men's C race, everything came down to the finishing sprint. Coming into the final turn, Liz looked strong but did not have great position. In the final sprint, she placed seventh, earning 3 points for Caltech.

In the end, it was Caltech's most successful day of collegiate racing. The 6 points probably lifted Caltech out of last place in California. Unfortunately, it was also the end of the season. The San Diego races were cancelled, and 6 points did not qualify Caltech for regional championships. The team is now preparing for local races and continuing to lead several local rides.

Note: The Caltech Bicycle Club is still leading several weekly rides and competing in local races. Bicycle riders of all abilities are welcome. For more information, please contact Michael Kantner at 356-4882 or e-mail: kantner@hot.caltech.edu.

WRITE FOR THE TECH.

The *California Tech* weekly meeting will be held at 12:15 today in the Coffeehouse. Free pizza will be served.

KELROF

by Matt Metz

You have one month to get ready for KELROF XIV. This legendary 24 hour relay will commence at 9:00 A.M. on Saturday, May 29. It was started by a Techer in '77, whose team was called "Kellogg's Eighth Light Regiment Of Foot." It should not be hard to come up with a better name for your team, but try to beat the record they set in '79: 291 miles and 120 yards!

Teams are made up of anywhere between two and ten people. It is really smart to use ten people (if possible) and spread out the mileage. Each person on the team runs one mile at a time in the relay for 24 hours. If you are tough enough, find some other people as nutty as you and get a team together. Send tentative lists of team members to Matt Metz, Box 534. There will be lots of free food there, and to put it in Brian Cooper's famous words of last year, "You're probably going to be up all night anyway... what the hell."

continued from page 1

Thief

cording to Hunnicutt, they showed up after the suspect had escaped and "spent so much time spelling out [Hunnicutt's] last name that the thief got away." Also—and more important for Caltech—Caltech Security, while called twice to various venues of the chase, did not respond. In addition, Hunnicutt says that "when the three of us [Kim, Ugolini, and Hunnicutt himself] showed up at Security, the secretary accused us of having stolen the radios we had

with us"—and while Hunnicutt praised the cooperative response of Caltech Security's Hernandez, he comments that "[Caltech chief of security] Hal [Ginder] wouldn't spare the time to hear our story." Hunnicutt says that to his knowledge Security has not done much else in the past few days to catch the thief.

What does Hunnicutt have to say in general about the laundry theft and ensuing chase? He considers the recent *Pasadena Star-News* article on Caltech, in which the openness of Caltech society was effusively if openly described, as a major contributing factor to the increase in crime at Caltech.



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Earnest

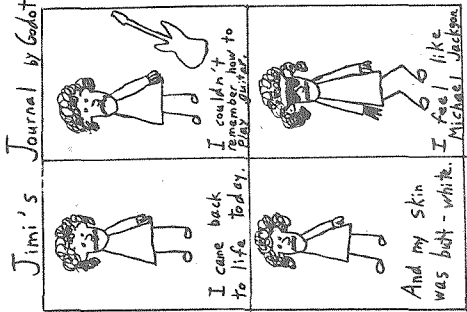
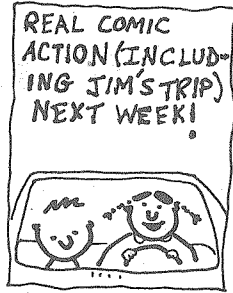
was perfect—every actor was well-suited for his role. Very few noticeable mistakes were made. Most outstanding was Brian Rague as Jack, who gave a stellar performance. Todd Brun was convincing as the aristocratic and witty Algernon. Moira Regelson and Cara King (as Gwendolyn and Cecily) were quite hilarious, and Lynne McGrath was excellent as the snobbish, crusty Lady Bracknell. Astrid Colomb and Dale Gary gave good performances as well. Overall, the cast did justice to Wilde's play. The wit and humor stood out, especially in the second act as the plot developed. The performances of Brun and King carried Act II. Rague was great in Act III during the dénouement when he exclaimed "Mother!" and wrapped his arms around Miss Prism. Even another actor could not contain a laugh.

Several characters were added to the script, and the additional scenes were integrated into the rest of the play quite well. However, their purpose is unclear. For instance, the character of Gribbsby the solicitor was entirely unnecessary. In fact, the original script

would have been entirely adequate. Though not thought out conceptually, the changes were performed well and did not disrupt the play.

The bottom line is this—*The Importance of Being Earnest* is a damn good script and is guaranteed to be enjoyable. TACIT's production was polished and well-executed, and a bit daring as well. It

successfully created an atmosphere of entertaining satire. Though the time period was overemphasized and the singing dulled the fast-paced humor, *Earnest* was more than a little enjoyable. Much more enjoyable than its \$5 price tag. TACIT did an excellent job—this production deserves to be successful.



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1280x1024,16.7M Colors,16Bit True Color
>IDE Dual FD/HD Controller
>2 Serial,Parallel,Game Port
>14" SVGA 1024x768 (.28) Monitor
>101 Enhanced Keyboard

CPU	IBM48650	486DX33	486DLC33
MIPS	19.4	14.5	11.2
Land mark	114.88	111.5	107.2
Norton	67.7	51.6	54.1

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*101 KEYBOARD

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ISA 486DX-33/DX-50/DX2-66

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*256K CACHE RAM
*170MB IDE HARD DISK
*4MB RAM UP TO 32MB RAM ON BOARD
*1.2MB & 1.44MB FLOPPY DRIVE
*AT IO: 2 SERIAL,PARALLEL,GAME PORT
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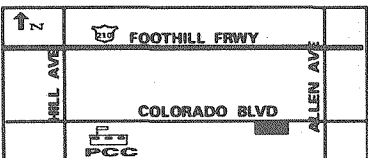
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SUMMER EMPLOYMENT--

SUMMER OBSERVERS. There are several positions open for summer employment at the Big Bear Solar Observatory. The jobs involve solar telescope operation, film processing, electronics work, computer programming, etc. Free housing at Big Bear is provided, and cooking facilities are available. There are recreational facilities (boats, etc.) as well. Some astronomy, physics, computer science or electronics would be useful. Positions on campus also available. Applications are available in 264 West Bridge, or can be obtained by calling x4011.

ALASKA SUMMER EMPLOYMENT -- fisheries. Earn \$600+/week in canneries or \$4,000+/month on fishing boats. Free transportation! Room & board! Over 8,000 openings. No experience necessary. Male or female. For employment program call (206) 545-4155 ext. A5955.

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

* Note: asterisks indicate new announcements.

Notices

* **New Telephone Prefix**—effective July 1, 1993, the telephone prefix for all campus offices will be 395 (formerly 356 or 397). The new telephone number for the Graphic Arts Facilities will be (818) 395-6701. All data lines, fax numbers, and private phones are not part of the campus switchboard, and are not affected by this change.

The **Annual West Coast History of Science Society Meeting** will be held from April 30 to May 2, jointly sponsored by Caltech's H&SS Division. Info: Helga Calvin, x4538.

* **Students needed for "College Bowl" with MIT.** Sierra On-Line is interested in hearing from 4-6 undergraduates who would be interested in participating in a "College Bowl" Scenario with MIT. The competition will involve solutions to puzzles from a game called The Incredible Machine. This game asks players to accomplish stated goals through solutions to mechanical puzzles that depend on insight into the principles of physics and simple mechanics. Prizes will be awarded to team participants. Cash contributions will be made to each university, with the winner(s) receiving the more valuable awards. If interested, contact the Deans' Office at 102 Parsons-Gates.

Events and Services

* **Wanted: Books!**—This year's Annual Book Sale is scheduled for Friday, May 21 (8:30 A.M. to 2:30 P.M.) and the members of the Friends of Caltech Libraries are preparing now by collecting new and used, hardback and paperback books from members of the Caltech/JPL community. Please bring your book donations to the first floor in Millikan Library during the week between 8 A.M. and 5 P.M. A special Book Collection day has also been arranged for Saturday, May 8 from 9:30 A.M. to 1:30 P.M. when refreshments, as well as help carrying in donations, will be available.

May Day Renaissance Tournament—To celebrate the beginning of spring, the Caltech Medieval Renaissance Society (CMRS) is sponsoring a Tournament and Revel on Saturday, May 1, on the lawn in front of the Beckman Institute. The all-day festivities will begin at approximately 9:30 A.M., and will include armored fighters, merchants selling their wares, and a Maypole Dance. In the evening, a revel of dancing and music will take place under the arcade of the Beckman Institute, beginning at 7:30 P.M. and continuing into the night. Info: (May Day or CMRS) Alison Johnson (818) 584-3828, before 10 P.M.

Gay, Lesbian, and Bisexual Support Group meets the first and third Tuesdays at 7:30 P.M. in the Health Center Lounge. This confidential meeting is open to all Caltech Community members looking for a supportive context in which to address questions and concerns about sexual orientation—including coming out, being out, self-discovery, coping with families. . . . We begin with a focus topic but move to whatever is feeling most relevant to the group that night. Refreshments will be served. Info: call x8331.

Therapy Group for Caltech students who grew up in dysfunctional families has openings for new members. The group examines the impact of familial abuse, alcoholism, and other serious difficulties on one's current relationships and self-image. Must be able to meet through the majority of the summer. Info: Aimee Ellicott, Ph.D. or Glenn Maarse, M.A. at the Student Counseling Center x8331.

Caltech Y ExComm Meeting—The Y invites anyone who wishes to cosponsor an event to attend on the first or third Monday of each month.

Events and Notices

Friday Prayer—Prayers organized by Caltech Muslim Students are held in the Caltech Y lounge at 1:30 P.M. every Friday.

Caltech Hillel/Jewish Community Weekly Meeting—An informal gathering, every Thursday at noon in the Y lounge. For information call Caty Konigsberg at (213) 259-2959.

Mass—Thursday at 8:15 in the Y lounge and Sunday at 10 A.M. in Winnett lounge. Sacrament of Reconciliation (confession) is given 20 minutes before masses. Refreshments are served after mass.

Bible Study and Discussion—Every Wednesday at noon in the Y lounge. Bring your own lunch. For more information call Mike Gerfen at 356-4886.

Adult Children of Alcoholics—A 12-step group which meets on campus every Tuesday, from 12 noon to 1 P.M., in Y club room 2. The group is open to any student, staff or member of the faculty who grew up with family alcoholism and other problems. For more information call Dinah Lee Schaller at x2961.

Open Line—Open Line meets every Tuesday in the Y lounge upstairs during lunch, between 11:30 and 1:00. Topics discussed include developing a youth center for ages 5-12 for tutoring services, activities and cultural development for the children of Caltech students, staff and faculty, developing a multicultural book for the understanding of all nationalities, traditions and customs. Open to all of the Caltech community.

Baby Furniture Pool—The Caltech Service League loans out baby furniture to students and postdocs on Wednesday at 324 S. Chester from 10 to 11 A.M. For more information call 952-1631.

Entertainment

* **Capitol Steps Performs at Caltech.** The Capitol Steps will perform on Saturday May 8, 1993 at 4 P.M. and 8 P.M. in Caltech's Beckman Auditorium. Their program will be selected from such pieces as "Fools on the Hill," "Pirates of Ted's Pants," and "Federal Excess." The Capitol Steps are a group of current and former Congressional staffers who first began performing their music satire more than ten years ago for a Capitol Hill office party. Tickets: \$30.00, \$27.50, and \$25.00. Caltech students (with I.D.) in advance: half price, or Rush Tickets beginning on Friday April 22: \$7.50. Caltech faculty and staff receive \$2.00 off advance tickets and half-price tickets on Friday April 22. Rush/half price tickets subject to availability. Tickets available at Caltech Ticket Office. Info: x4652 (VTDD x4688).

* **Angeles String Quartet with Carol Winecone**—This Coleman Chamber Music Concert features works of Mozart (String Quartet in F major, K. 168), Beethoven, and Brahms. Admission: \$12.00-18.00-15.00-12.00; students: \$4.00 off. Info: x4652 (VTDD x4688).

* **The Ethnic Visions film Series** continues with *Chan is Missing*, Monday, May 3, at 7:30 P.M. in Baxter Lecture Hall. A modern-day Charlie Chan sets out across Chinatown to solve an inscrutable mystery. A self-mocking Chinese-American detective story, underlain with rich insights on cross-cultural assimilation. Open to the Caltech community.

* **"America's Favorite Places"**—Ed Lark will personally narrate this Armchair Adven-

tures travel film, in Beckman Auditorium, Fri May 7 at 8 P.M. Admission: \$8.00 and \$6.50. Info: x4652 (VTDD x4688).

BANDORAMA 93, at 8:00 P.M., Saturday, May 1, 1993 features the Caltech Occidental Concert Band and Caltech Jazz Bands with guest soloists Mario Guarneri on the trumpet and Janet Ketchum on the flute. At Beckman Auditorium on the Caltech Campus. Admission is free, and no tickets are required. Info: (818) 356-4652.

The Pasadena Folkdance Co-op offers beginning and intermediate instruction every Friday at 7:45 P.M. in Throop Unitarian Church on the corner of Los Robles and Del Mar. A program of varied international dances follows the instruction at 9:00 and continues until 11:00. Wear soft-soled shoes. A contribution of \$1.50 is requested.

International Folk Dancing—Tuesday nights in the Dabney Lounge. Beginning instruction starts at 7:30 P.M.; intermediate at 8:00 P.M. and open dancing takes place from 9:00 until midnight. Donations are accepted. For more information call Mike McKenna at (310) 692-0366.

Ismell Folk Dancing—Sundays in Winnett lounge, Beginning instruction starts at 7:30 P.M., intermediate at 8:00 and open dancing goes on from 8:30 to 10:30. For information call Nancy Macmillan at 795-3655. Admission is \$2.00.

Scottish Country Dancing—On Wednesdays in Dabney Lounge from 8 until 10 P.M. Beginners are welcome and no partners are needed. For more information call David Hills at 354-8741.

Music with James Boyk—Pianist James Boyk gives a performance each Wednesday from 4:30 to 6 P.M. in Dabney Lounge. The performance is open to the public and free of charge. Feel free to come late or leave early. For more information call x6353.

Lectures

* **"A Short Talk about Long Molecules"**—This Earnest C. Watson Lecture will be given by Dr. Julia Cornfield, assistant professor of chemical engineering at Caltech in Beckman Auditorium at 8 P.M. on Wednesday, May 5. Admission is free. Info: x4652 (VTDD x4688).

Scholarships, Internships & Competitions

For Details on the following announcements contact the Career Development Center, 08 Parsons-Gates, x6361.

Malin Space Science Systems has opportunities for grad students in GPS to participate in the operation of the Mars Observer Camera (MOC) in San Diego between September '93 and September '94.

RAND will be sponsoring interns in a wide range of academic disciplines in its Graduate Student Intern Program this year. They are looking for applications from students who have completed 2-3 years in Ph.D. study and are interested in the analysis of public policy problems.

Raychem Corporation is seeking undergraduate and graduate level students for Summer Internships. Come to the Career Development

Center and check the ASPIRE program or send cover letter and résumé to: Alison Council, Raychem Corporation, 300 Constitution Dr., Mail Stop 111/8201, Menlo Park, CA 94025-1164.

For information on the following scholarships, please contact the individuals listed at the end of each scholarship.

* **Unique Scholarship Opportunity offered by The Kirby Company.** "Makin' the Grade" is a scholarship program designed to offer college students a realistic alternative to dead end summer jobs, with emphasis on time management, communication skills, and professionalism in an actual business setting. Participants work as full-time and part-time independent Kirby dealers during June, July, and August, competing for monthly scholarships. Info: Call (216) 228-2400 or write The Kirby Company, 1920 West 114th Street, Cleveland, OH, 44102-2391.

Mars Institute Student Contest—All high school and college students are eligible to enter the Mars Institute Student Contest. The prize is \$500 and an all-expense paid trip to a Mars-related conference, awarded to the best essay on the years designated topic. This year's topic asks students to discuss the possibility that spacecraft landing and moving about on the surface of the planet Mars could contaminate the surface or atmosphere of that planet, and to propose procedures to prevent it from occurring. Entries to these programs must be received by the Planetary Society no later than May 17. Additional information and application forms may be obtained by writing: The Planetary Society, Scholarships Department, 65 N. Catalina Ave., Pasadena, CA 91106.

SIF Award—Applications are now being accepted for the SIF Award as described in the catalog. This competition is established to promote excellence in financial research. An application consists of your name, address, phone number, class, and research report of reasonable length. The deadline for applications is May 1, 1993. Entries should be mailed to 142-58. Any questions should be referred to Dave Krider (577-9955).

The **Jewish Family and Children's Services** announces the availability of financial support for Jewish individuals and their families. Students may apply for aid by mailing the questionnaire to the JFCS office or calling Ted Schrieber at (415) 561-1226 to receive an application. There are no deadlines and students may apply throughout the year.

The **John Gyles Education Fund** is offering financial assistance to students in both Canada and the United States. Effective March 1st selected students will receive up to \$2500.00. Deadlines vary. A minimum GPA of 2.7 is required. For details and an application send a self-addressed, stamped (US \$29) No. 10 envelope to, The John Gyles Education Fund, Attention:

R. James Cogle, Administrator, P.O. Box 4808, 712 Riverside Drive, Fredericton, New Brunswick, Canada E3B 5G4.

For details on the following, please contact the Financial Aid Office.

Merit Awards for 1993-1994 are due today. Each year, the Faculty Committee on Scholarships and financial Aid awards a number of Merit Awards to the most academically talented of the Institute's Sophomores and Juniors, and in special circumstances, Freshmen. Merit Awards are based on outstanding scholastic achievement as demonstrated by exceptional performance in formal classes and/or in independent research, and not on financial need. Last year, the Committee recommended a total of 40 Merit Awards. Awards ranged from \$5,000 to full tuition, \$14950. The level of awards this year will be determined by the caliber of the applicants. Applications are available in the financial Aid Office at 515 S. Wilson. **The deadline for submitting completed applications to the Financial Aid Office is 5:00 P.M. on April 30, 1993.**

* Applications are now available for the **National Hispanic Scholarship Fund.** Students must be U.S. citizen or permanent residents of Hispanic parentage, who has completed at least fifteen units of college work prior to submission of this application. Students must be enrolled in college for the Fall of 1993 and enrolled in attendance through the Spring of 1994 as full-time, day-time students. The postmark deadline is **June 15, 1993.**

The **Eboli of Los Angeles** is offering undergraduate scholarships for the 1993-94 school year. The amount of the scholarship is \$3,000 per year paid in monthly checks, September through June. In order to apply, students must be U.S. citizens, L.A. county residents, have at least a 3.25 GPA, and be attending an approved college in Los Angeles County. L.A. county residence may be proven by in-school attendance. All applications and materials are due in the Financial Aid Office by 5 P.M. May 14, 1993.

The **Society of Women Engineers** announces its 1993-94 Freshman and Re-entry Scholarship Programs. This year they are seeking applicants for eight scholarships totaling \$9000. Applications, including supportive materials, must be postmarked on or before May 15, 1993.

The 1993 **Society of Consumer Affairs Professionals in Business (SOCAP)** applications are now available. Individuals planning to work in business, academic, government, or media positions are encouraged to apply. Completed applications must be received by July 1, 1993.

Hot and Throbbing

* **Rivet**—Planning has begun for this year's low-budget edition of the *Hot, Throbbing Rivet*, Caltech's very own compendium of humor and bad taste. The *Rivet*, which will come out as the year's last *Tech*, is widely respected in the publishing world, and resembles the *Nothing*, except that it doesn't suck. For more information on how you can cop the hot, throbbing action, contact the *Tech* office by campus mail or by e-mailing to editors@tech.caltech.edu.

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