

Today is  
International Day

# THE CALIFORNIA TECH

Baklava For  
Everyone!

Volume , Number

Pasadena, California

May 24, 1991

## Ditch Day

Ditch Day occurred on Wednesday this year, opening the campus up for stacks and roving bands of media. For those who missed this year's excitement, you will have another chance next year to observe this Caltech tradition now an annual media attraction and famous event.

Seniors exerted their own creativity and talents to build their stacks, and tested the same talents in the underclassmen. Unknown officially until eight o'clock, Ditch Day began with the loud departure of the senior class and did not officially end until five o'clock, giving the undergraduates nine hours free of classes to break into the stacked rooms.

The students were expected to solve puzzles, chase clues, and perform various tasks in order to gain access to the seniors' rooms. In the process, they get to have fun, experience excitement, relax, get attention, or make total fools of

themselves. The rooms were stacked with any of three basic types: the honor stack, the finesse stack, and the brute force stack.

The honor stack binds the participants to follow the rules described in the stack by following the honor code. While it is almost always possible to use easier methods to get into the room with this style, it is generally discouraged.

The finesse stack requires its participants to use their minds, skills, and latent talents to solve puzzles or follow convoluted trials in their endeavors.

The brute force stack is exactly that: anything goes. Whatever means students deem necessary to physically force their way into a senior's room is allowed. In the past, there has been no hesitation to apply options to gain entrance.

After a stack has been completed and the students have broken into a room, those students who have



Happy Techers bask in the warmth of the California sun at the Tanning Invitational

worked on a specific stack are allowed to accept or refuse the bribes left by the seniors. These bribes consist of food, drinks, candy, or prizes. If they choose to accept the bribe, the people may then joyfully await the return of the seniors. On the other hand, if they refuse the

bribe because they find inadequate, the underclassmen have the option to counterstack the senior's room, in which case the seniors must follow the same rules and guidelines set on their stacks to re-enter their rooms.

Once again, the media visited

Caltech in large numbers this year, roving the campus for stories and humorous scenes to show on the news. For many stacks, this was the primary goal for participants. Indeed, Ditch Day is considered a major source of publicity for the student body.

## Boffo Bone-Crusher VI

by: Amit Mehra

Crunch! Split! Pow! Caltech had it's sixth Boffo Bonecrusher Broomball tournament this past weekend at the Pasadena Ice Rink in Downtown Pasadena. A dozen heavily armed and well-drilled teams squared off for the prestigious Caltech Boffo Cup. Luckily there were no serious deaths or fatalities, although all the teams played to kill.

The tournament, sponsored by the Caltech Y among others, started off very slowly, as the first three games were scoreless. Among these ties was what seemed on paper as an uninteresting matchup, the Scurves (dubbed Physical Plant) versus the Empaffes, a graduate student team. However, these two teams became

key rivals before the night was through. Other first round highlights were the Page team Trash Club winning with only six people, the Page Waiters sweeping their first two games, the Blacker Jamaican National team winning over the crowd with their rasta-hair and reggae music, and Physical Plant winning 8-0 over another graduate team, with Mark Lytle scoring six goals. On a side note, The Meat Council won the lesser known Lloyd Cup, winning over the Freshman Committee of Fluids.

The playoffs turned out to be quite exciting. The Empaffes, containing several members of the Caltech Hockey Team, were gaining their ice legs as the night progressed. In the first playoff game they slid around and through the Page Wait-

ers, winning by two. The second game pitted the Trash Club, undefeated in Boffo competition, against Physical Plant. The teams traded goals for the first fifteen minutes until super frosh Jim Schaaf of Physical Plant scored a goal on the right side for the game winner. This set up the championship game, a rematch of Physical Plant versus the Empaffes. The two teams stared each other down for the first quarter hour, neither team scoring a goal. Then the sluice gate broke, and the Empaffes exploded for five unanswered goals in the second period and glided by the tiring Scurves. The Scurves were truly outmanned in the end, and had they had won, it would have ranked up with one of sport's biggest upsets, such as Villanova over Georgetown, N.C. State over Houston, or Rickett's House football tying Ruddock House. But it was not to be, at least not until next year's Boffo VII.

Dr. Amnon Yariv has been elected to the National Academy of Sciences in Washington, D.C. The election of Dr. Yariv, who is the Thomas G. Myers Professor of Electrical Engineering and Professor of Applied Physics, brings to 63 the number of Caltech faculty who are NAS members.

A member of the Caltech faculty since 1964, Dr. Yariv is internationally known for his contributions to both optics and lasers. These include founding the fields of integrated optoelectronics and phase conjugate optics, which are central to modern fiber-optical communication and optical computing. His present research efforts include work on ultra-high capacity holographic data storage in new types of

optical crystals.

Born in Tel Aviv, Yariv is a three-time graduate of the University of California, Berkeley, earning his B.S. in 1954, his M.S. in 1956, and his Ph.D. in 1958. After five years as a member of the technical staff at Bell Research Laboratories, he joined Caltech as an associate professor in 1964. He was named full professor in 1966 and appointed to the Myers Chair in 1979.

Yariv is a member of the National Academy of Engineering, and the recipient of the 1980 Quantum Electronics Award of the Institute of Electrical and Electronics Engineers, the Pender Award of the University of Pennsylvania, and the highest award of the Optical Society of America, the Pender Medal.

## CRIME AND INCIDENT BEAT

Crime Tip: Be careful of any suspicious people wandering around campus and especially into the houses. Lately there have been a few incidents of thefts from house rooms and computer rooms which had been left unlocked or open.

5/16 Three persons were found at the south end of Winnett with perfumes they were trying to solicit on campus persons. All three suspects were warned of the trespassing law and escorted off campus.

5/17 Salesmen for Professional Papers Inc., which sells research papers, were found leaving business cards on windshields of cars. The suspects were told to leave campus and not return.

5/18 A Dabney House member found someone in his room trying to remove a VCR. The suspect, when confronted, dropped the VCR and fled. The suspect could not be found by security.

5/18 Apparently duct tape had been placed on the Millikan and Larsen memorial bricks on the south side of Winnett Center and had been set on fire. Both bricks were scorched.

5/19 Several persons were observed skateboarding near a liquid nitrogen tank at the southeast corner of the Central Engineering Building and on the east side of Beckman Behavioral Laboratory. The group was advised that skateboarding is prohibited on Caltech property, and was escorted off campus.

5/22 Not much happened Wednesday.



Photo by Lei Chen

The Meat Council ham's it up before their doom in Bone-Crusher VI

# letters

## Freshman Humanities

To the Editors:

Regarding Peter Fay's letter in last week's *California Tech* regarding the freshman humanities requirement, I wish to correct an important error which he made. He stated that "until about ten years ago [the professors had the power to excuse students from the freshman humanities requirement]."

When I entered Caltech in the fall of 1987, I petitioned then-Executive Officer John Sutherland to be excused from taking freshman humanities. Though Prof. Sutherland at first didn't know if he had the authority to grant such an exemption, I was finally exempted from the requirement. I did not actually receive credit for my AP work; I merely took two additional advanced humanities instead of freshman courses which would have repeated my high school classes. The exemption process included review of my AP English and History Test scores, previous humanities course work, and plans for Institute humanities course work. Unfortunately, the entire process lasted three months. Perhaps other students do not have the perseverance to see the process through.

The point of fact, however, is that, contrary to Prof. Fay's statement, as recently as four years ago, students could be excused from the freshman humanities requirement. Perhaps with Eleanor Searle as executive officer, the policy has changed, though I doubt it. The problem is not that the option has no exemption policy; rather, it is that the policy is informal and not recorded in written form. In addition, Prof. Fay's letter seems to indicate some humanities professors do not know of its existence. Unfortu-

nately, this informality inhibits equal access to the information, and allows only those students who are inquisitive enough to ask about the policy to be exempted.

It seems obvious that the humanities option should form guidelines for exemption from the freshman humanities requirement. These requirements could then be mailed to freshmen in the advanced placement packet, along with the mathematics, chemistry and physics handouts. That way, all students would have an equal opportunity to be excused from freshman humanities, rather than just those who are willing to invest the extra time and effort to do so.

Sincerely,

David A. Edwards

## L.A. Times Covers Ditch Day

Dear Editors,

I found the Ditch Day article in the *LA Times* Metro section very annoying for a few reasons. The *Times* article called us "raving nerds." That is very insulting, and doesn't do very much for Caltech's public image. I suggest that Caltech bar the *Times*, and the news stations that were calling us "geeks" on their news casts, from reporting on our graduation this year unless they apologize profusely and publicly. I don't think that anyone graduating from Caltech wants a bunch of people who think that because we have dared to achieve in science and engineering, we are nerds and geeks, anywhere near graduation. If these media people want news, they can take it from the *Pasadena Star*, which has shown competence and understanding by doing a good job reporting on Ditch Day.

Within the past year several campuses nationwide have become embroiled in the controversy surrounding the subject of politically correct thinking. More than just some intellectual exercise, it has become an issue tied to the 1st Amendment. Some institutions, such as Stanford and Duke, have seen the rise of heated debate between those who see politically correct thinking as a necessary step in the proper evolution of modern intellectualism and those who see it as an affront to the basic concepts of open expression.

As tired and clichéd as the 1st Amendment argument may seem, it is nevertheless the important principle here. Bypassing the standard statements about how it is implicit in American society or its primary place in the Constitution, a campus would be better served by observing the underlying notion of free speech within the context of academic learning—that is, by noting its role as a critical force in the educational process.

Assuming the university to be basically an intellectual institution reliant on the presentation and dissemination of information, one would certainly expect any and all material to be available to the learning undergraduate body. The school should not play the role of indoctrinator, but rather the role of guide. To do this the institution must allow access to as much as is possible to its students, placing facts before the campus whose role it is in turn to understand, consider, and then draw conclusions from. In this way is the university dependent on an open forum.

But this is not possible under the intellectual school of politically correct thinking, which in its own fashion desires to limit, ignore, and at some times persecute those ideas it deems as being counter-productive to a new world order. It does this with the declaration that the learning body must avoid those ideas which are too offensive or which endanger "proper intellectual development." Caught in the crusade for only one true educational path, the politically correct thinkers are currently asserting their presence in academic circles, placing their beliefs at the forefront of the new intellectualism at the cost of others.

It is ironic that the leaders of politically correct thinking are members of the '60s generation—the very generation that protested for free speech and expression, equality, and a more open culture. Ironic, too, is that fact that despite their intentions of creating a better, more understanding society, the proponents of politically correct thinking are doing the opposite—limiting intellectual development and undermining in-depth understanding. Continued assertion of such a mindset poses a threat to the existence of the university as an open forum, and thus is a detriment to the educational process.

Other upsetting things in the *LA Times* article were the comments quoted from Gorm Nykreim, a graduate student at Caltech. Gorm said, "Ditch Day is very lame this year... They're [the stacks] all oriented toward task-solving. I was looking for a challenging engineering stack and I can't find one." Well I have a few questions for Gorm: "Who the hell are you? Who invited you to participate in Ditch Day? and who elected you spokesman?"

Seniors such as myself do Ditch Day for our undergraduate friends. We hope that the larger Caltech community is at least amused, and that they will take time away from their schedules to come look around, and maybe lend a hand. We sometimes ask faculty, staff, or graduate students to be parts of our stacks, but Ditch Day is meant to be an undergraduate event. Now if the graduating grad students also want to stack, then it would be an undergrad-graduate student event, but until then if a grad student can't find a stack that he wants to work on, TOUGH LUCK.

As seniors we bust our butts to

## Editorial-Jon Liljeblad

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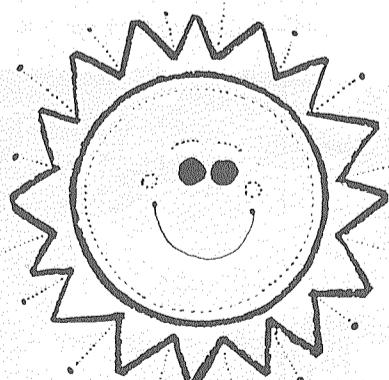
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Thank-you,

Celina Mikolajczak

Senior, Blacker House



## Freshman Statistics

As of May 10th, the following statistics were available from the Admissions Office on next year's incoming freshman class. There were a total of 1801 applications, down slightly from last year. Of these applicants, 377 were women, and 146 were members of under-represented minorities. From this pool 535 students were admitted, including 185 women and 61 minorities. Following pre-fresh weekend, 227 expressed an intention to register, including 76 women and 28 minorities. Approximately one-third of next year's incoming class is from California, with a substantial number also coming from the South.

## Compact Disc Problem

Last year, the library had a budding new collection of compact discs, generously provided by the Friends of the Caltech Library and the Caltech Service League. However, many people have failed to return borrowed CD's. The library has not had the time to computerize the records for most of the CD's, making it difficult to track down those which are overdue. The collection has shrunk to a fraction of one shelf. Please look around your room for library CD's and return them before you leave for the summer.

### THE CALIFORNIA TECH

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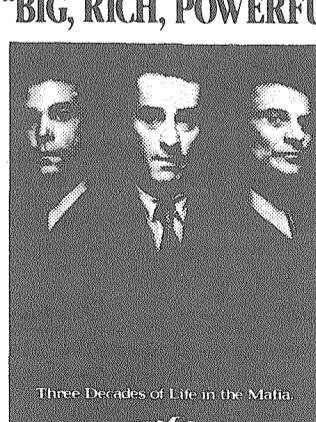
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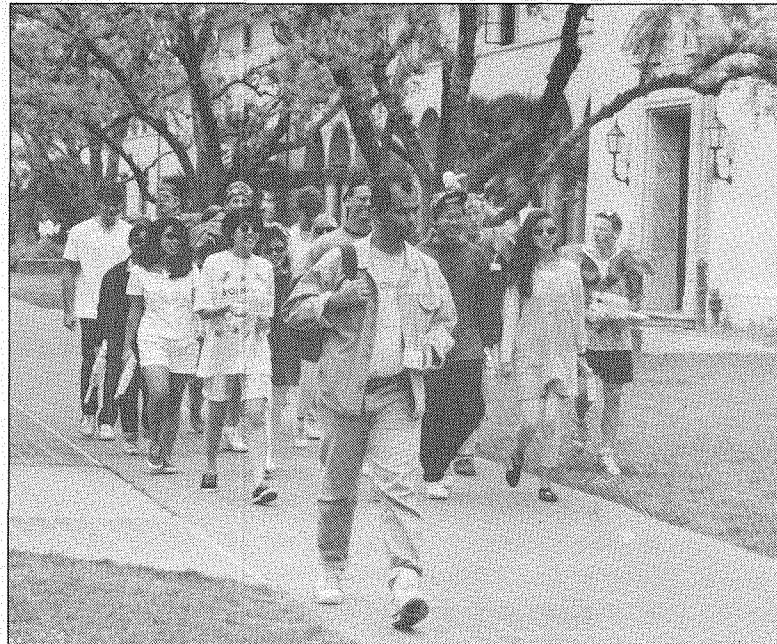
PRODUCTION DESIGNER DAVID MCKEEAN

## ASCIT Teaching Awards

Yes, it's nearing the end of the year, and that means it's anot time for the ASCIT Teaching Awards! This year, unlike the past few years, the Educational Policies Committee will be making decisions, based upon student input. Nominations have been made, and the EPC will be holding a meeting on Wednesday, May 29th, at 10:00 pm in the Master's Office, to make the final decisions. If any student wishes to discuss any of the nominees, he or

she is encouraged to attend this meeting. Students can see the list of nominees by contacting their respective house representatives: Dan Frumin (Blacker), Marc Malek (Dabney), Lei Chen (Fleming), Mike Clemens (Lloyd), Matt Fields (Page), Monica Oei (Ricketts), Bob Fisher (Ruddock), or Debi Tuttle (Chair). House representatives will hear any comments about the nominees, so if you want to show your support for a nominee, tell them!

## DITCH DAY



*Random grad student ruins a perfectly good Ditch Day photo*

## Ruddock

*by John Krowas*

Ditch Day greeted Ruddock with 5 stacks to work on. Ruddock's dearth of seniors left about 20 underclassmen working on each stack, but there was plenty of bribes, due to the unqualified generosity of the seniors.

Downstairs, there was Mike Mossey and Dave Lin's Stairway to Heaven stack. People who worked on this stack had to start their own religion, and build a temple to their god, Fred the Dog. One of their sacred symbols was a fire hydrant, which they wore around their necks. They had to hand out pennies to prevent punishment from Fred. Eventually they were able to break into the room and climb the Stairway to Heaven.

Also downstairs was Roger Tang's Stack Without a Theme. In this stack, people had to solve a myriad riddles and puzzles to learn the combination of the door to Roger's room, which was actually a saxophone fingering.

Rounding out the downstairs stacks was the Total Recall stack of Ted Mlynar, Seth Bittker, Mitch Loescher, and Roman Gutierrez. The first task in this stack was to stick a marble up your nose, just like Arnold did in the movie. Don't worry, eventually they all got to take them out of their noses with one of those things with four little arms. A major clue was hidden in a fake rock at Henninger Flats. Un-

fortunately, this same rock was kicked off Henninger Flats, down a cliff. Eventually, this group was able to start the reactor to provide Mars with oxygen (actually liquid nitrogen), so all their eyeballs wouldn't pop out.

Upstairs, we had Larry Cheng's stack, where we needed to liberate Lola and Jose Frink from prison where they were being held. All the freedom fighters had to do drills on the hour, every hour, in order to prepare for the task, all the while solving puzzles in order to learn the location of the secret Frink computer. We liberated Lola and Jose in the end with the Alley Six shaft.

The other stack upstairs was the "Time Randomizer" stack in the library, by Yun-Fong Loh, Michael Kwan, Ralph Lin, and Leonard Chen. In this stack, history had been screwed up, and they had to set it right to get into the library. This included going to Oxy to get the snake to tempt Adam and Eve, who had to be Oxy students. Also at Oxy, this group had to play the part of Milli Vanilli and get a record contract by speaking Chinese to a record executive. Many more time-travel related puzzles and tasks had to be completed to solve this stack.

## IHC Minutes Digest

Blacker beat Dabney in volleyball. Ricketts beat Blacker in softball. Lloyd challenges next.

It seems that the transfers and 3-2's will be allowed the option to live on-campus next year. Randy will look into possibilities of changing this in the future.

Three off-campus houses were restored with affiliated status. These houses (270, 280, and 290 S. Holliston) can only be guaranteed as student housing for first term. There is also the possibility of two more houses on Holliston north of Del Mar being added, probably unaffiliated, but this is uncertain. The houses were allocated thusly:

270 - Dabney (1 double, 1 single)/Ricketts (1 double, 1 single)  
280 - Fleming (1 double)/Lloyd (2

singles)/Ruddock (1 double, 1 single)

290 - Blacker (3 singles)/Page (2 singles)

Aimee handed out a proposal for house initiation guidelines. Aimee and Kim will look into definitions of hazing.

Student-Faculty committee sign-ups (UASH, admissions, etc.) will come down Monday, May 27th. Interviews will be conducted on Tuesday and Thursday at 8:00 pm.

Three summer programs will be housed in the North Houses this summer. Page will host the ACES program for about 30 students of Native American descent. Lloyd will host the BRIDGE program for 20-24 incoming freshmen. Ruddock will host the YESS program

for 40 high school juniors.

Summer RA's will be Len and Shelley Mueller from Dabney for the South Houses, and Monica Kohler and Pedro Pizarro from Page in the North Houses.

The wall art walk-through will be June 5th. Kim wants to schedule walk-throughs with each house president beforehand.

Physical Plant is estimating and planning for North House rehabilitation. They are taking the lists made last year by the house presidents and prioritizing them. The majority of the renovations would take place next year, but they are also looking at what could be done this summer. House presidents will be brought in as this gets closer.

Aimee asked about security locks for other houses besides Ruddock. Kim said that this was possible.

of Thalia Menninger (just a mannequin, so don't get uptight). After Thalia's completion, she was affectionately and lovingly thrown off the roof of Firestone, rendering her comely but somewhat rigid body open to exploration to find the combination to break the stack.

All in all, ditch day '91 in Fleming was an overwhelming success. Covering territory from the "Buttocks" sign on lake and Del Mar to the steam tunnels, and involving the exposing of more body parts than most people would like to remember, the day was a thundering juggernaut of amusement and joy (and you shoulda seen the party afterwards). As they say, IT BE DIT DAY!!

## Fleming

*by Hyon Lew, David Nichols, Roger Moore, and Forrest Long*

Ditch Day '91 in Fleming House was the usual mix of madness and mayhem, with stacks that were everything from destructive to Dobie-riffic. From 8:00 in the morning, when the Fleming President Tim "I like sheep" Maddux rang the bell to wake up the clueless and otherwise maladjusted frosh, the good times were unleashed to roll on unabated until dark. There were a variety of stacks including one in which the object was to use a "funnelator" and ammunition ranging from potatoes to water balloons to knock over or hit several notable objects on campus, including the Lloyd and Dabney hottubs. An extra challenge was provided by requiring those working on the stack to follow a seemingly miles long string through a variety of obstacles to find the funnelator.

Another stack followed the theme of an international mystery, with the two missing seniors supposedly being kidnaped by an art thief. The object was to locate a number of clues (which were accompanied by a bottle of international beer, which in the spirit of DAPAC were of course never drunk until someone of supposedly proper age felt thirsty) that were assembled to form a secret message giving the key to breaking the stack.

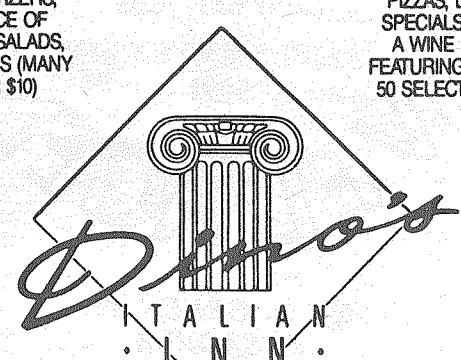
Also included were stacks related to the hard life at Caltech, a Calvin and Hobbes stack which required participants to play a game of Calvinball, and a computer stack from hell that looked like it had something to do with a 4-d Rubik's cube. But the most notable (at least from my end) was the sublime

*Photo by Lei Chen*

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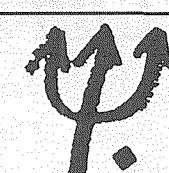
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# The Inside World

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All Inside Worlds must include the author's name. Inside Worlds can only be written by current undergraduates. The editors reserve the right to edit any or all parts of an Inside World. No libelous material will be accepted. It is the author's responsibility to check material written about a person to see if they consider it libelous. Please submit a 3.5 inch Macintosh Disk by 8:00 PM Wednesday.

This Week's Inside World was written by:

**Blacker:** Hoyt Hudson  
**Blacker2:** Walker Aumann  
and Noam Bernstein

	1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>
Blacker	12	4	0 0 0 1 1 0 3 1 6
Dabney	11	2	0 0 0 2 0 0 2 0 4
Fleming	13	1	0 0 0 0 0 0 0 0 0
Lloyd	26	15	2 1 0 3 0 2 0 0 8
Page	21	3	1 3 0 0 0 0 0 0 4
Ricketts	15	9	0 4 0 0 0 0 0 0 4
Ruddock	25	18	3 2 0 4 2 1 1 0 13

**Blacker**

Disclaimer: This Inside World will contain no senseless harshing, no feeble parodies, no inconsequential trivia. It is a journey into the netherworlds, into the heart of man and the spirit of life. The management apologizes for any inconveniences or confusion incurred thereof.

Hasdrubel slept. Ted spoke to him.

"Hey Hasdrubel, wake up. You're late for phys."

Bother me not with the sordid concerns of this base material existence. In my dreams my mind reaches out to kingdoms of fire, captures in a single thought foaming gouts scintillating wisdom, soars aloft to contemplate the knowledge of the ancient scholars, and immerses itself into all that has been and will ever be. Oh, what a thin sinewy strand it is that tethers my questioning psyche to this earthly body! What a cruel joke this is, the dichotomy of my life essence."

"Dude, you are so goddamn weird. I can't believe I'm your roommate. Hurry up and get your lazy ass out of bed because you said you'd pick up those 106 midterms for us today."

Hasdrubel sighed. "With boundless apathy I embrace my destiny."

Hasdrubel sat in Ph106. The professor lectured.

"...And applying Green's function over the convolution of momentum space in cylindrical coordinates gives the convergent series solution to..."

"Fie! Fie! Curse you all! How can you dare to look into the glaring countenance of the oversoul with such arrogance? What audacity is this to think that you can begin to comprehend with your pathetic equations the substance of reality, the swirling vortices of matter and void, the harmonic reverberations of the infinite cosmos? Begone lest your pride consume you!"

"Thank you Hasdrubel. Why don't you leave and go get an early lunch."

Hasdrubel sighed. "With boundless apathy I embrace my destiny."

Hasdrubel ate lunch with his housemates.

"Oh eternal torment! Oh lasting damnation! On all sides I am vaulted by mountainous walls of reeking vomitous food matter. How can I hope to resist the ubiquitous gushing sludge with the impotent armaments at my disposal, naught but a rudimentary knife, fork, spoon, and napkin? Better, perhaps, to succumb to the onslaught, to seek a swift death in a scalding puddle of pizza grease. Only then could my body and spirit be released from their unhappy union. For how can this earthly frame hope to find nourishment while engulfed in such quintessential poison? Indeed, the squirming of the food is so like the futile drama of life itself! Heaps of peas jostle and bounce as nameless, faceless, uncaring, and indifferent as the denizens of the city. Our plates, like our souls, originally clean and spotless, become mired with the filth of mortality. Buns, once fresh and warm, grow stale and cold with the passing of time. Corn dogs slide into inviting folds of ketchup and mustard..."

"Innuendo!" cried someone.

"Harassment!" wailed another.

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# Ditch Day at Caltech

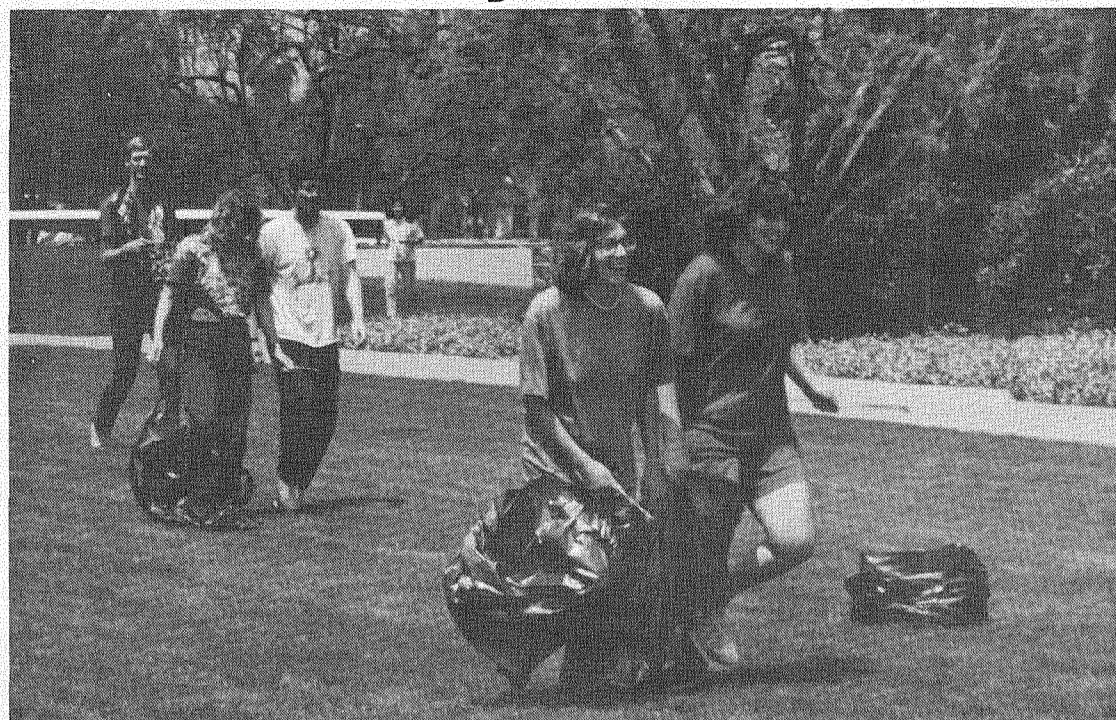


Photo by Lei Chen

# BLACKER

The Blacker House Ditch Day stacks seem to get wackier every year, this year being no exception. Not surprisingly, Blacker had no brute force stacks this year. Many stacks provided costumes and required some sort of role playing by the participants.

Anna Yeakley's and Alice Lee's "Crazy People" stack was based on the movie of the same name. The "crazy people," dressed in uniforms and firehats, became "ad men" for the day and erected eight billboards of "honest" advertisements on the Olive Walk.

Participants in Mike Ricci's "BEGADEath Beach Party" stack displayed their "artistic expression" and "secret desires for running power tools" and turned his Capri into a "converted, not a convertible." It should go without saying that Bill Greene signed up for this stack.

Wile E. Coyote and ACME teamed up in Max Baumert's "Senseless Violence Against Road Runners" stack to do just that. Dropping manhole covers and funneling potatoes apparently did

not quench the thirst for blood by the senseless violence perpetrators, so a large cleaver was constructed to dispose of the roadrunner (and a clock and a terminal and...)

Mark Dinan's and Tanya Kurosky's "I Love Los Angeles" Explorer stack took students on a sight-seeing tour of San Marino, Pasadena, and Hollywood. Students were required to find clues and take pictures at the various sights, and then develop these pictures to figure out the combination to Mark's room using binary code.

"The Myth of Osiris" was the theme for Samantha Seaward's Ditch Day stack. After constructing an Egyptian pyramid in the courtyard, participants were sent to various locations to find the thirteen pieces of Osiris needed to complete the jigsaw puzzle.

After finding their way through the three-story, 3-D swamp maze, Mark Vaughan's and Gene Lit's stack's students had to find the compromised agent of the "Global Organization for Peace and Security". Their investigations included questioning agents at the Huntington Library, the lingerie section of the Broadway, the Huntington Emergency room, and the Pasadena Hilton.

The word for the day for Steve Hwan's and Rob Padula's "Space Stack" was "space." The participants in this stack performed various tasks which included bouncing a superball down the Millikan stairwell and taking apart a dummy

terminal. Tasks were completed. Bribes were eaten.

The goal of Pete Dussin's "Pirates of Millikan" stack was to build a raft to float across Millikan pond and retrieve the key from the island in the middle. The pirates also spent much of their time biffing others on the head with their swords.

Those who signed up for Tom Fiola's "Tom's Stack of Great Things" were introduced to some of Tom's favorites: Woody Allen, Winona Ryder, The Who, Colombo.... Duties included finding clues and taking polls. The participants did not find this stack enjoyable and counterstacked.

Ed Vail's and Sylvia Chin's "Transmogrifier" stack was based loosely on Bill Watterson's "Calvin and Hobbes" comic strip. Stackbreakers transmogrified themselves into nerds, cross-dressers, 70's throwbacks, and Stupendous Men and bounced around campus in search of clues.

Celina Mikolajczak based her Ditch Day stack on Rudyard Kipling's The Jungle Book. The group's mission was to gather lucite pieces from all over campus. Using these lucite pieces, the group was eventually able to decipher the combination to Celina's room...almost. A quick browse through a Polish-English dictionary and they were done.

By transmitting the "secret agent drop card" to secret agent Lisa Waitz, Allan Wong's "Bop Till You Drop" stack students prevented the assassination of George Bush by KGB implants Harry Gray and Tom Apostol. (Jonah Michaud, eat your heart out!)

Mark Huie's stack...locks and keys. Need we say more?

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1 YAMAHA	A-500	INTG 100 W/CH	?????	155 U
1 DENON	PMA-560	INTG 70 W/CHANNEL	350	308 N
3 LUXMAN	LV-103	INTG TUBE/HYBRID 50 W/CH	650	377 B
2 DENON	PMA-860	INTG POWERFUL AND CLEAN	450	383 ND
1 LUXMAN	LV-105	INTG TUBE/HYBRID 80 W/CH	800	477 B
1 DENON	PMA-920	INTG SUPERB POWER SUPPLY	600	478 D
1 LUXMAN	LV-105u	INTG TUBE/HYBRID 85 W/CH	1200	577 B
1 DENON	AVC-3000	INTG 100+40 SURROUND	1000	639 D
1 LUXMAN	LV-109	INTG W/ BUILT IN D/A "BEEFY!"	1500	677 B
1 ARAGON	4004 II	PWR 200 W/CHANNEL	1850	1399 D
1 AUDIO RSCH	D-70 MkII	PWR TUBE 65 W/CH (FRU)	2000	1488 D
1 AUDIO RSCH	CL-120 Pr	PWR TUBE/HYBRID 120 W/CH	6990	5990 D
1 AUDIO RSCH	M-300II Pr	PWR TUBE 140 W/CH TRIODE	11000	6997 D

**RECEIVERS**

# BRAND	MODEL	COMMENT	REG	SALE\$
1 MITSUBISHI	DA-R8	50+ WATTS/CH	300	77 U
2 DENON	DRA-335	35 W/CH DIG REMOTE	280	252 N
3 NAKAMICHI	Receiver3	37 W/CHANNEL W/REMOTE	400	319 ND
2 LUXMAN	R-114	HIGH CURRENT 50w/ch	550	367 B
1 DENON	DRA-435	50W/CH REMOTE	450	383 ND
3 DENON	DRA-635	NICE!	500	425 ND
6 LUXMAN	R-115	HIGH CURRENT 70w/ch	850	578 B
1 MITSUBISHI	M-R7020	AV DOLBY SURR 80 W/CH	1049	599 D
6 DENON	AVR-810	AV RECEIVER W/SURROUN	800	599 ND
1 NAKAMICHI	TA-4A	100W/CH REMOTE	1200	699 D
6 LUXMAN	R-117	HIGH CURRENT 160w/ch	1200	769 B
1 MITSUBISHI	M-R8010	AV PRO-LGC 125 W/CH	1400	799 D

**COMPACT DISK PLAYERS**

# BRAND	MODEL	COMMENT	REG\$	SALE\$
10 LUXMAN	D-113D	TRANSPORT ONLY!		*FREE B
1 NAD	5355	"AS IS" IT WORKS NOW	350	49 U
1 DENON	DCD-600	BASIC CD PLAYER	300	165 U
1 NAKAMICHI	OMS-1A	PROG/REM	350	188 D
1 TECHNICS	CD PLYR	2 WEEKS OLD!	250	188 U
1 MITSUBISHI	M-C2050	PROG/REM	350	199 D
8 LUXMAN	DZ-92	PROGRAMMABLE/REMOTE	280	238 ND
3 MITSUBISHI	M-C5100	GREAT TRANSPORT!	550	249 ND
1 DENON	DCM-350	5 DISC CHANGER	350	249 D
1 LUXMAN	DZ-111	PROGRAMMABLE/ DIG OUT	350	277 D
1 DENON	DCD-860	HAS PITCH CONTROL	350	285 D
7 NAKAMICHI	CDPlayer4	BRAND NEW MODEL	349	288 ND
1 DENON	DCD-860	W/ PITCH CONTROL	400	288 D
1 MITSUBISHI	DP-311	DUAL MONO DAC	700	299 D
4 LUXMAN	DZ-121	PROGRAMMABLE/ DIG OUT	400	369 B
4 LUXMAN	DZ-122	PROGRAMMABLE/ DIG OUT	550	399 B
2 LUXMAN	DZ-112	PROGRAMMABLE/ DIG OUT	500	399 ND
9 LUXMAN	DC-113	CHANGER 6+1	680	433 B
1 MITSUBISHI	M-C6100	TOP OF THE LINE	700	449 D
5 LUXMAN	D-109	TOP/LINE 5 YR WARRANTY!	1500	492 B
1 DENON	LA-2000	CD AND VIDEO PALYER	700	560 ND
4 LUXMAN	DC-114	CHANGER 6+1	800	567 B
1 LUXMAN	D-105u	TUBE HYBRID	1200	588 U
1 CAL AUDIO	TERCET 3	DMO MODEL ONLY!	1295	899 D

\*W/PURCHASE OF ANY D/A CONVERTER

**TUNERS**

# BRAND	MODEL	COMMENT	REG	SALE\$
1 LUXMAN	T-111	RATED A "BEST BUY" @	300	214 B
1 DENON	TU-660	DIGITAL	350	280 D
2 LUXMAN	TP-114	W/BUILT IN TUNER	450	328 ND
1 LUXMAN	T-107	VIDEO TUNER	800	333 B
1 LUXMAN	T-117	DIG PRESET TOP/LINE	600	433 B

**SIGNAL PROCESSORS & ACCESSORIES**

# BRAND	MODEL	COMMENT	REG	SALE\$
1 NEC	SA-84	MULTIPLEX DECODER	150	FREE D
> > > > >	> > > > >	> > > > > > > > >		W PURCHASE!
4 TERK	WEDGE	AM FM ANTENNA	25	20 N
1 JVC	SEA-200	EQ 5 BAND	???	31 U
3 BEYER	DT-325	HEADPHONES	65	39 ND
6 NAKAMICHI	SP-7	HEADPHONES	100	77 ND
1 DBX	400	ELECTRONIC SWITCHER	400	129 ND
3 LUXMAN	F-114	PRO LOGIC W/3x50 AMPS	800	644 ND
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ALL	ACCESSORIES (EXCEPT CABLES)			20% OFF N
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**SPEAKERS**

**PREAMPLIFIERS**

# BRAND	MODEL	COMMENT	REG\$	SALE\$	# BRAND	MODEL	COMMENT	REG	SALE\$
1 GNP	SM-P1	6" 2 WAY	350	166 U	2 LUXMAN	TP-114	W/BUILT IN TUNER	450	328 ND
2 MIRAGE	260	6" 2 WAY	260	208 N	1 B&K	PRO 5C	BASIC	400	340 ND
9 GNP	SM-802	8" 2 WAY	450	239 ND	1 LUXMAN	C-12	STUDIO STANDARD	700	369 U
4 GNP	MODEL 0	5" 2 WAY	319	255 ND	1 PS AUDIO	4.6	A GREAT VALUE	699	496 D
* GNP	MODEL 1	2 WAY POLY W/1"DOME	399	319 ND	1 LUXMAN	TP-117	MULTIZONE-MULTIROOM	1200	799 D
2 MIRAGE	360	8" 2 WAY	400	339 N	1 FORTE	MODEL 40 LINE STAGE		995	846 N
1 GNP	MODEL 2	PROTOTYPE	650	399 D	1 FORTE	MODEL 40 W/PHONO		1250	1063 D
1 MIRAGE	460	8" 2 WAY	600	510 ND	1 THRESHOL	FET-10	W/SEPARATE PWR SUPPLY	2500	1399 U
3 GNP	MODEL 2	PROTOTYPE	800	599 ND	1 AUDIO RSC	SP-9 MkII	DEMO ONLY!	1875	1616 D
2 MITSUBISHI	M-S5100	HTS TOWERS	1500	699 ND					
1 CELESTION	SL-6	ACURATE AND SMOOTH	990	792 ND					
2 MIRAGE	760	ROCK-AND ROLL!	1000	799 ND					
1 MIRAGE	M-5	DEMO ONLY	1500	1125 D					
1 GNP	VALKYRIE	SERIES III	2495	1299 U					
1 MARTIN LOGAN		SEQUEL Mark II	2650	1499 U					
1 MIRAGE	M-3	DEMO ONLY	2500	1996 D					

**TAPE DECKS**

# BRAND	MODEL	COMMENT	REG	SALE\$
1 RCA	COLOR	TV W/ REMOTE	????	135 U
1 MAGNAVOX	1000	LASER DISC PLAYER	900	199 U
2 MITSUBISHI	CS-1348	14" W/REMOTE	349	277 ND
1 LUXMAN	T-107	VIDEO TUNER	800	333 B
2 MITSUBISHI	HS-U32	VHS 4 HEAD REM ON-SCR	499	369 ND
1 MITSUBISHI	CS-2012	20" STEREO TV	550	389 D
1 DENON	LA-2000	LASER DISC/CD PLAYER	700	525 ND
3 MITSUBISHI	HS-U61	S-VHS HIFI "BEST BUY"	999	677 ND
1 DENON	LA-3000	LASER DISC/CD PLAYER	1000	799 ND
2 MITSUBISHI	HS-U71	S-VHS HIFI "TOP OF LINE"	1199	799 ND
1 MITSUBISHI	VS-4003	40" REAR PROJ STEREO TV	2400	1599 D
1 PROTON	VT-331	BEST 31" STEREO TV! PERI	2500	1888 D
1 MITSUBISHI	VS-4504	40" REAR PROJ STEREO TV	2900	2199 N
1 MITSUBISHI	VS-5020	50" REAR PROJ STEREO TV	3800	2699 D
1 SHARP	XV-100	SHARPVISION	4495	2991 D

**TURNTABLES**

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# BRAND	MODEL	COMMENT	REG	SALE\$
2 GRADO	ZTE+1	MOVING MAGNET	25	19 N
2 GRADO	ZCE+	MOVING MAGNET	55	29 N
4 GRADO	ZF3E+	MOVING MAGNET	70	44 N
3 SIGNET	MK-55e	MOVING COIL	195	88 N
1 AQ	MC-3	HIGH-OUTPT MOVING COIL	150	88 N
2 DENON	DL-160	HIGH-OUTPT MOVING COIL	115	99 ND
1 DENON	DL-301	MOVING COIL	169	129 N
2 PREMIER	LMT	STRAIGHT ARM	250	175 N
1 GRACE	F9E RUBY	GREAT!	400	199 ND
1 GRADO	MCZ	SIGNATURE	300	199 D
2 SUMIKO	STUDIO	(MMT'S BIG BROTHER)	400	288 ND
3 SIGNET	OC-9	MOVING COIL	700	329 ND
1 MONSTER	GENESIS	1000 MOVING COIL	800	433 ND
2 SHINON	RED IMP	MOVING COIL BORON	900	633 ND
1 SME	309	TONEARM	1195	895 D
1 SME	IV	TONEARM	1850	1158 U

# Lloyd

from page 5

Caltech contact to steal the new Touchstone Delta supercomputer. Chris Meyers discovered the plot and in order to prevent the dirty deed, stole the computer first. Knowing he could not turn to the police, it was up the others to restore Chris's old computer files and discover who the Caltech collaborator was. Some clues were given in news reports given on "television" while others required solving word puzzles and tracking down other clues, the locations of which were revealed in photographs. One student was even flown round trip to UC Berkeley to retrieve a key from Craig Sosin, recent Caltech graduate. Many of the clues led to small cubes with various parts of pictures on each face. In all, 27 cubes were combined to form a larger cube with the pictures aligned to reveal the identity of the person who held the hidden computer files. With the files retrieved, FBI files were obtained giving information on the various suspects, including GIF files picturing each person, and a voice print as well. After the correct collaborator was selected, a search warrant was given, the room entered, the computer restored, and the bribe enjoyed.

The Crack House stack used a video to cleverly give clues that led participants to other clues around campus. In one scene, a person was shot to death near 1170 Del Mar. During the shooting, the victim dropped something, which was later used to uncover more of the mystery. Other parts of the video showed the two villains, Doug and Kurt, walking around parts of the campus, leaving obscure clues as they went. Eventually, enough information was obtained, and the Crack House was broken.

Mike Rozak was murdered, but no one knew why. It turns out that Mike had found a journal from 1911. Eventually, the journal entangled him in demonic rituals which led to his demise. Investigators found a series of code words to decipher Mike's computer journal, using clues from the 1911 journal and other sources. This yielded the solution to the murder. All went well, except for an unplanned carpet fire.

The Adobe Stack was of great importance, because, as Scott Harris and Larry Ahle contended, a virus released by Keith Akama would destroy life as we know it if the stack were not complete in time. To start, clues were given from a computer terminal, and stepper motor turned a massage board to

give coded clues. Marty from the mechanical engineering shop held clues but would not say a word until given breakfast. Other clues were as far away as the Athletic Field and even Mount Wilson. To gain entrance to the library, the room which was stacked, 911 was dialed into a telephone. The telephone would not work, however, unless the proper magnets, found earlier, were properly inserted into various tubes. Beyond the door, there was a wall of mud and then a layer of concrete to contend with. After some mess and noise, the stack was finished, the library freed, and the world saved.

Keith Akama's stack required swimming through a fishtank (which included real live fish) to retrieve two sets of envelopes, one containing tasks, the other containing clues. The tasks included playing football, ultimate, or softball, running a relay up and down stairs in Millikan, from the top floor to the basement, in less than two minutes per person, taking a picture of everyone working on the stack in swimsuits, dropping pennies from the roof of Lloyd into a box, and singing while in a human pyramid. Clues used pictures of campus sights that led to other clues to unlock the combination lock that was just beyond the fishtank. A concrete barrier was all that remained, and that fell after some brute force work.

Jeff Hagen and Steve McLaughlin had a nuclear reactor that needed seven control rods to stop from exploding. There were eight clues that led to the rods and also a dead end. Pictures were also used to lead to areas, but this was the dead end. An MS-DOS file was hidden which contained a Postscript file showing the location of one rod, a block of concrete concealed another rod, and a third was hidden in the tunnels, based on a clue revealed after melting a styrofoam cup in an acid.

For John Gass' and Raif Majeed's Stack, the two were taken hostage and held on the moon, accused of trying to destroy the moon in an attempt to save the earth's climate. Ironically, the charges were true, but the duo hoped that some students would help set the free. These students defused a "bomb" and searched the San Gabriel Valley, Caltech, and Lucky Boys for an encoded message to return the group back to earth.

The campus was not disappointed by the creativity and outrageousness of this year's Ditch Day Stacks. In the aftermath, buried under the mud of the Adobe Stack and the bits of concrete courtesy of Jeff Hagen and Steve McLaughlin, was a bunch of tired, full of junk food, and quite satisfied Techers.

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# Ricketts

by Julian Chen

The hints were obvious about when Ditch Day really would be. The physics juniors did their 98 Tuesday night in anticipation of the event, and the sophomores finished their Thursday math assignment.

And the activity started early Wednesday morning, as the car engines hummed and hurried seniors left Tech with seconds to spare. And it was on. About 15 stacks were put forth in Ricketts, from the lizard stack of Helen, Su-Lin, Julie and Co. to the Bridge Problems stack by Sam Dinkin.

Dinkin's stack, in particular, was composed of 52 bridge problems, followed by several difficult clues, that incidentally, resulted in a counterstack. Moreover, he returned early to campus, was duct taped, and the furniture in his room was brought out on the Ath lawn as revenge.

Not everything went this way. Erik Russell, Carlos Ramirez, and Kim Flowers' stack came with lots of good food courtesy Erik and 'Los, a failed flash powder conclusion,

and a local TV appearance of Rob Ferber, Dave Perlman, and Nicole Eustance. They even made it into the *L.A. Times*.

Helen, Su-Lin, and Julie teamed up with two others to produce the Five Chinese Women's Stack, where the object was to find various lizards around campus. This had its base in the fact that Helen owns several small lizards. The bribe, naturally, was a hefty amount of Chinese food.

Mark and Chris produced an uncracked stack, partially because it was too CRUDE. Part of the videotape featured a naked Mark Lytle dancing on a rooftop, followed by an order to pick nose hairs and eat them. Not surprisingly, people weren't too crazy on that one.

Alex's stack went on local TV too, as 10 people went around doing a concert video of the Go-Go's, then went around L.A. imitating one of their videos. The concert featured Frank Filipanis as Belinda Carlisle, while Rob and Amit showed off their boobs very prominently. This video was well received

# The California Tech

by Alex, who apparently watched it many times later that evening.

John Hoskins, in keeping with his normal ritual, offered beer to drink (a non-stack), while Kurth based his stack on the Three Stooges, though very loosely.

Erich described his stack as text and space, and well, he said that was a sufficient explanation to put in the *Tech*.

Bernie, Gonzo, Lyle, and Bogey required a short film dealing with severed bodily parts, complete with stage blood and hanging limbs. The results seemed to be rather gory, as Nathan (strangling a reporter), Rob Hanna, and Connie-Lynn made Channel 5 news.

Lindsey put together the Viking stack. Participants played card games, wrote a saga about Vikings, sailed the Sea of Millikan, and walked around dressed as Vikings, charging a couple of film crews in the process. A notable section involved playing a game with Eppendorf tubes (what???)

Charles gave the underclassmen a chance to imitate a day in Calvin's life- attacking the Vikings, playing Calvin ball, etc. But the main missing element was Hobbes, and the mission was to find the lost tiger.

Zhaohong took a different course, allowing people to look up Caltech slang words from each of the houses and translating them into comprehensible English. "Oh, really?"

Plu's involved Dan Quayle, specifically, a Dan Quayle appreciation stack. Signs were hauled all over campus, showing off the wonders of the Vice-President. This one went rather quickly, as the participants were done by around 2 PM.

So that was Ditch Day in Ricketts, with just a bit of everything, even a senior who couldn't tell time. Hear that, Sam?

Pablo: "Ditch Day is tomorrow, frosh!!!"



## McKinney Contest Winners

The McKinney Committee of the Literature Faculty is pleased to announce the winners in the 1991 contest for excellence in writing. In the category of non-fiction essays, first prize has been won by Jennifer Ann Wright, second prize by Deepinder Brar. In the category of prose fiction, first prize is awarded to Hoyt Hudson. Michael Pottenger and Michael J. Lazzaro jointly share the first prize in poetry.

Honorable Mention is given to Brad Threatt, Edray Goins, and Sandeep Jain.



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# Dabney

by William Watson and Alan Low

Ah, another ditch day at Dabney House. As usual, those wacky seniors just couldn't resist faking out the underclassmen until the Real Ditch Day. Heck, they even went to the trouble of scheduling it on Drop Day to foil everyone's predictions that it would be Thursday.

Maneesh and Susan couldn't resist stacking the obvious: DEI. The theme of the stack was Lewis Carroll's Hunting of the Snarks. What Snarks are doing in DEI is beyond me. Anyway, the task at hand involved collecting clues around campus, and putting the coordinates of their locations through a linear transformation. The clues eventually lead to the coordinates of Jeremy's room,

where the key was to be found. I don't understand; apparently the people breaking the stack didn't either. But Maneesh and Susan were gracious enough to give those who worked hard the reward anyway.

Pete Wyckoff and Alex Dukhovny had a really neat stack that was so neat that we decided to counterstack. The H. Stone Brewski story was creative enough for us laymen such that we were able to figure out that those turquoise concrete blocks were part of a big HEAVY puzzle. The HEAVY puzzle was of spaghetti lines. Pete and Alex were kind enough to also include a parallel puzzle made of paper for those of us with weaker arms. The two puzzles were supposed to be overlaid on an overhead

projector, and a clue to the combo of the room was to be found. No such luck. Pete and Alex, you should realize we underclassmen are so dense that when two piles of spaghetti meet, they just become one big pile of spaghetti. And Jill probably wants to know what you have against brunettes!

Alex Wein's stack didn't have any central theme, except maybe, Alex Wanted It This Way. Alex wanted an insulated ice bath. Alex wanted a funnilar. Alex wanted the NY crossword puzzle solved. Alex wanted a Dabney survey to be completed. Alex wanted Jamie Sherman to pick up women at PCC. We wanted food. Alex wanted us to have food. Alex got what he wanted. Except Jamie didn't go with the group to PCC. (Alan's also happy that only four people think he should be banned from making dinner announcements.)

Tien and Eric had a Dungeons

and Darbs stack. The hapless adventures had to banish a demon from campus. On their way to this goal they raided a bridge troll lair and eventually found the trowel = Kill-O-Zap Demon Banisher. The red potted demon was found under a paper bag and was thence banished to the back yard of Dabney. All involved were impressed with the dragon cake that was part of the bribe.

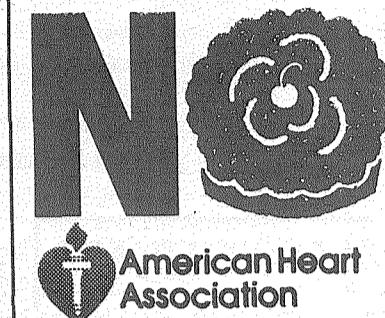
Allen and Rob designed a stack based on the braiding of five strings. Various tasks yielded lengths of intercrossing strings. These included asynchronous walking dragging string behind, and following five trails around campus. The clues led to the discovering of five computer accounts which had programs which aided in solving the stack. After the five braiding patterns were discovered the task was to find what order they should be placed so that the net result was no

interleaving. A major part of the bribe was string cheese.

Someone long ago used to conclude the Dabney report on ditch day with, "a good time was had by all." I think the most fun was had by Tom Tucker, who clearly asked to be duct-taped to the stairway railing in alley 4. Why ask why?

**Give your heart  
an extra helping.**

Say no to high-fat foods.



# Page

Rob Whiteley

The gentleman standing on the curb paced nervously, checking his Rolex and cursing softly to himself. To describe him as decadent would be a gross understatement. The elegant cut of his tuxedo shirt bore the unmistakable mark of true London tailoring. The shoes were Italian, the sunglasses rimmed in 18k gold, and the look and accent was straight from the heart of Spain. As the indescribably wealthy spaniard checked his diamond-studded time-piece, a silver stretch limousine glided around the corner, coming to a smooth stop at his feet. As the spaniard slid into the cavernous interior, he exclaimed, "I will be most displeased if I miss my flight to Las Vegas. It wouldn't do for me to miss my poker game, now would it?"....

OK. So Paco Herrero's sunglasses weren't really rimmed in gold, but as part of Gary Eastvedt's stack, he really was flown to Las Vegas to gamble and take in the sights and sounds of the jet set. The stack was entitled "Lifestyles of the Rich and Famous", and pitted the ten or so underclassmen against a series of puzzles that would supply them with Gary's combination. Along the way, they had to wear sunglasses and tuxedo shirts, play polo (using frosh as horses), and address else everyone "peasant". Chon Torres and Todd McGlaughlin, posing as homosexual lovers, tried to go test drive a Rolls-Royce, and although the stack-breakers didn't quite have time, they were supposed to buy a Van Gogh painting from Norton Simon Museum. Something tells me that Gary's personnel check

(written for a paltry 10 million dollars) would have bounced heliously...

"Spinal Stack", concocted by Mike Ehlers, Mike Simpson, Robin Luckey, Brian Shim, and Barry Stipe, was responsible for making a half-dozen normal Page Boys dress up in loud neon colors. The order of the day for these underclassmen was to live the lives of the British band "Spinal Tap". First on the agenda was the procurement of appropriate fashion wear. And what is the fashionable headbanger wearing these days? Bleached-blond wigs, tight spandex, "Spinal Tap" t-shirts, and cucumbers! These vegetables, placed in a fairly suggestive position, caused quite a stir. At least one woman swooned and fainted at Fred Sloanecker's apparent intimate dimensions. Then these rockers had to find all of their instruments, using some clues scattered all over Pasadena. At noon, the band sang a rousing duo of "Spinal Tap" classics: 'Hellhole' and 'Big Bottom'. Afterwards, the boys in the band hung around to sign literally thousands of autographs. The finale of the stack saw Ari Pine destroy a replica of Stonehenge to obtain the combination to Mike Simpson's room. In loving appreciation for the bribe that they received, the stack-breakers left their cucumbers hidden in Mike's room, for his enjoyment at a later date...

Ajay Cheeda's stack was truly the most troll-ish stack in Page. It was simply one mathematical puzzle that had to be solved to obtain the combination to his room. It involved decomposing a huge num-

ber into primes, each of which was raised to some power of ten. The stack-breakers had to analyze the exponents of each prime factor to obtain the cryptogram, which then had to be deciphered to obtain the combination to Ajay's room. Not to be out-trolled, Dave Lande and company cracked this stack in fairly short order, and so set about counterstacking Ajay. But Ajay somehow defeated the combination counter-stack, and was back in his room in no time. I suppose he and Dave are just too smart to outwit each other....

Dave Emerson, Allen Corcoran, Jun Jeon, and Jinendra Ranka challenged underclassmen to break the stack entitled "Portrait of a Nightmare".

The stack-breakers had to chase strings all around campus to find some clues, most of which were in terribly obscure and difficult places to get to. At "Pasadena Towers," J.R. Stacker" had to show his exclusive I.D. to receive a clue from one of the stackers. At the end of the stack, Mike Brundage, Winn Chamberlain, and Tim Firman crawled through hyperspace (after surviving a deadly barrage of popcorn), and thus gained entry to Dave and Allen's room. But once in the room, J.R. Stacker had to negotiate an intricate electronic maze. In the very end, the stack-breakers were rewarded with a dazzling electronic light show. The 15 or so stack-breakers were then treated to a huge feast of sugar...

The award for pissing off the most people on Ditch Day certainly goes to the underclassmen doing Dave Merrill and Rob Welstand's "What the hell is going on?" stack. To kick off the day in style, the underclassmen threw water balloons off of Firestone at people on the Olive Walk. Next stop on the tour was Ralph's. The underclassmen had to buy as much beer as possible, hold

up the checkout line, and generally upset the management. Incidentally, if you ever wondered, they don't really card very much at Ralph's. After physically verifying the content of each and every beer purchased, it was off to rain personal insults on helpless passers-by in the student houses. And to finish off the day in pyrotechnic style, the stack-breakers set off LN2 bombs and set a bonfire in the middle of Cordova and Chester. The Fire Department responded promptly, and to say the least, these underclassmen pissed off so many different people that even Dave and Rob were impressed...

If you witnessed the half-dozen or so Page Boys running down the Olive Walk in paper bags (and nothing else), you can thank Bappa Mukherji and Atul Suklikar, whose stack challenged underclassmen to, quite simply, make money. Stack-breakers had to gamble, make commercials, perform ridiculous acts, and in general embarrass themselves in order to pursue the American dream of becoming a millionaire. Derek Surka won his particular bar bet by having his head shaved bald. The underclassmen, all seasoned gamblers, made significant gains at the craps table set up for their use. It came as no surprise when these Page Boys easily conquered the odds to turn a token amount of money into almost half of that required to open Bappa's door...

Mark Schmidt left for his stack a rather difficult series of puzzles that revolved around his tastes in multimedia entertainment. One such puzzle involved listening to every

Def Leppard song ever made, identifying them correctly, and then obtaining a lyrical phrase from certain marked letters in the song titles. This lyrical phrase appeared in a song which we had to find from the CD's he left. Another clue involved answering several dozen questions about popular adult movies. Perhaps the hardest part was identifying the original artists of a dozen cover tunes. There were ten such clues, and at the end of the day there was a number matching each one. The numbers corresponded to musical notes, which identified yet another song. This song was keyed into a series of letter locks, which opened the door. Wheeww.. Talk about elaborate. The stereo was awesome, though....

The other stacks in the house were Scott Dolim and Steve Palm's "Indiana Jones" stack, and the Holly boys "Centennial Stack", both of which provided plenty of frustration and rewards for their underclassmen. The "Indiana Jones" stack was a particularly creative effort. The technical effects of the stack were very impressive, and included some infra-red sensors, great sound effects, and of course, plenty of dry ice. Steve, Scott, and everyone who worked on the stack get far and away the highest marks for just plain having an impressively built stack. Spielberg, eat your heart out...

By the way, Cass Nakasone, Eric Newman, and Jinendra Ranka were on campus during Ditch Day. If anyone should spot them on campus, duct-tape them to the nearest tree. They'll find it amusing...

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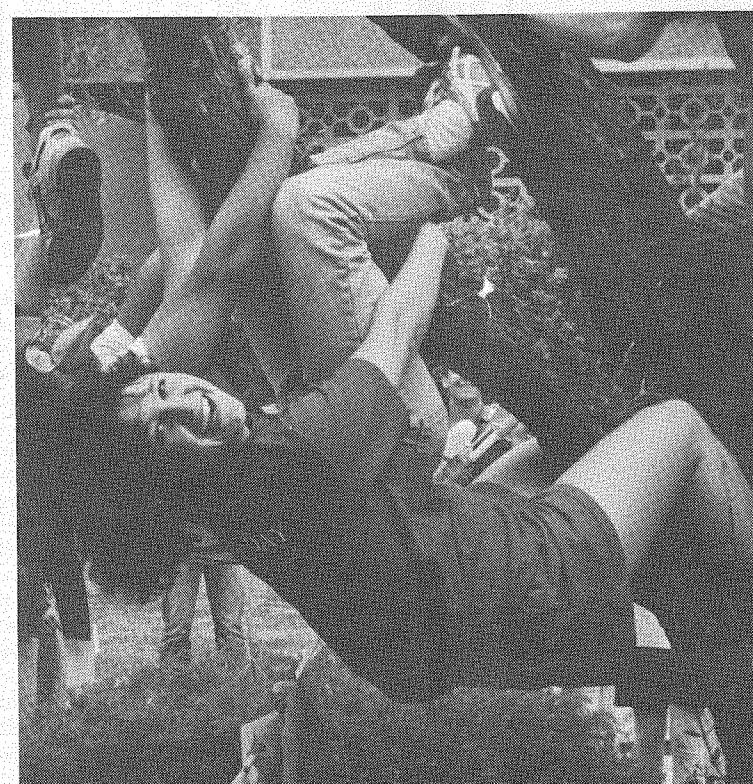


Photo by Lei Chen

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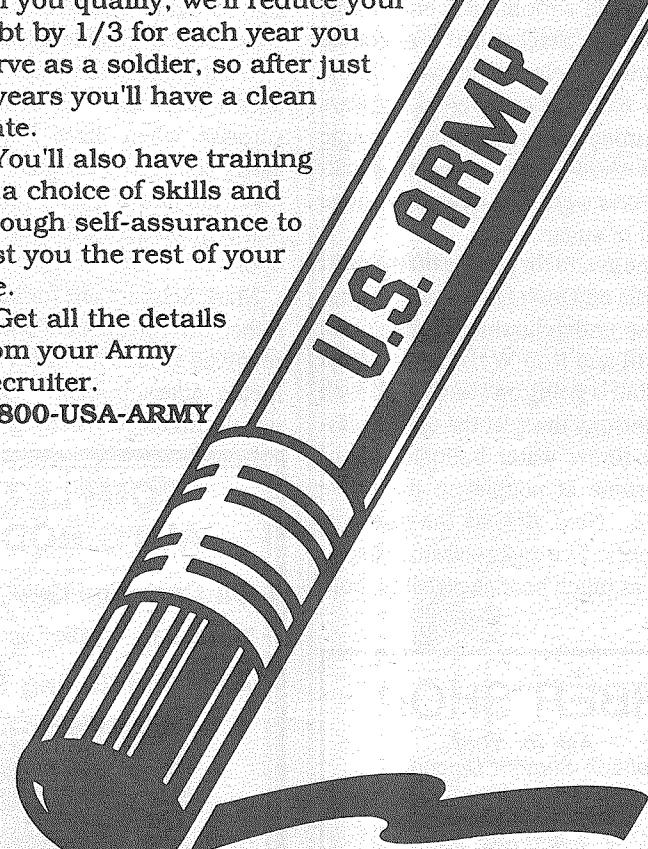
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## Bridge Column

by Sam Dinkin

**North**

♦ J  
♥ K974  
♦ QJ54  
♣ 7654

**South**

♠ A8432  
♡ Void  
♦ K2  
♣ KQJT98

Dlr:  
South

Vul:  
NS

1st two tricks:

♦ 2 - ♠ 4 - ♡ A\* - ♣ 8  
♦ 3 - ♠ K\* - 2 ♡ - ♣ C

South	West	North	East
1 ♠	2 ♠	3 ♠	3 ♠
4 ♠	Pass	5 ♠	Pass
Pass	Pass		

Play your play.

This weekend, in the Winnett Student Center at 1:00 on Saturday there is a sectionally rated intercollegiate pair championship against UCLA and Colorado State. At 8:00 pm, an individual championship will also occur there. On Sunday, there is a two-session, club championship team game starting at 1:00 pm in Winnett. Come eat the left over bribe from my stack.

This problem was inside the 5:00 clue on my door on Wednesday. "But wait," you ask, "I thought ditch day ended at 5:00 pm." Well for a select few, (this year it was just me, right editors?) ditch day continues into the evening. I was the lucky senior who had to solve this counterstack. The rules were if I got a wrong answer, I would have to go pond myself in Millikan Pond.

I had not finished peeling off my welcome back to campus by the frosh. I wandered back on to campus about 4:45 to find my room being moved out to the Ath lawn. I tried to distract the crew, but they were determined.

I sat down with a pad and paper, and started work. I crossed off the two clubs from each hand and counted my tricks. "5 clubs, 2 diamonds, 1 spade, and 2 ruffs. I need one more." I also counted my losers, "I have 1 diamond loser and I already lost 1 club." The count was rectified for a squeeze. I thought

The California Tech

about a diamond-spade squeeze and a diamond-heart squeeze. Unfortunately, I do not have the entries for the squeeze.

Next, I thought West might have the singleton ace of diamonds. I could not think of anything better so I said, "I lead a low diamond from my hand." The referee said West follows low. Stiff ace would work in either hand. I got desperate, "low diamond from dummy," said I.

The referee said, "Ahhh—minus 250 points." This sounded bad. That meant the problem was from the World Championship Par Contest in Geneva from earlier this year. The best player in the world only got half of the problems right. It also meant I was getting wet.

I asked if that meant the deuce of diamonds was the right first play. The ref conceded that it was. There was no choice in the second play. I played high. "East follows low" said the ref. I weaseled out of the ponding by explaining I had placed a clue under the bridge in Millikan Pond earlier that day.

I wracked my brain. Maybe there were clues in the bidding. West could not have the diamond ace and the heart ace with his preemptive jump. East probably had an honor support for partner. If East had the ace of hearts third, I could make this. I said, "ruff a heart, ruff a spade, ruff a heart." "The machine hums contentedly." Now, I still have an entry to dummy, I throw in West with the diamond king and he cannot exit diamonds or spades and has to give me the last trick with the heart king. "Diamond king" said I. "Ahhh—minus 250."

I guess East would have to have 5 spades, 3 hearts, 5 diamonds and 2 clubs. That's 15 cards. So there had to be another way, but I would have to use up my last entry to dummy. "Ruff a spade, ruff a heart." "The ace drops on your right." So far so good. "Now lead a diamond. This is a pretty ending."

♦ -	♡ K	♠ K
♣ -	♦ JXX	♦ K
♡ XX	♣ -	♡ -
♦ AX	♦ XXX	♦ XXX
♣ -	♠ XX	♣ -
	♡ -	♦ K
	♦ K	♣ Q

"That's why they included it in continued on page 11

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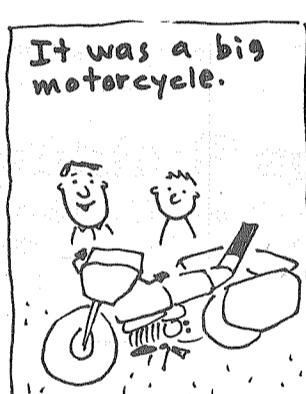


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## Jim's Journal by Jim



## Bridge

from page 10

the par contest," said the ref. "They duck the diamond king."

"Spades broke right. Lead a spade."

"You make."

I went off to pond myself. I still had to get into the room. My desk unit had been wedged against the door so it would not open. The offender left through the second floor balcony window. Ditch day is overrated.

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## what goes on

### Caltech Ultimate

LAY OUT!! The Caltech Ultimate Machine is at long last forming with hopes of participating in Ultimate tournaments throughout the Southwest. We encourage all disc-hucking undergrads to come practice with us on the north athletics fields Tuesdays and Thursdays from 4-6 PM. See ya there!!

### Scholarship Listings

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

### Women's Group

The Women's Support Group meets Sundays at 7:30 PM in the MOSH's office. All undergraduate and graduate women, as well as faculty are welcome to discuss the concerns and stresses of daily life in an informal and personal setting. Discussion is moderated by Dr. Lynda Morck, a clinical psychologist. For more information, call Jennifer Jungkuntz at 564-8545 or Yu-Chien Kuo at 578-9504.

### Summer College Work-Study

Information and applications for 1991 summer college work-study are available in the Financial Aid Office. If you are interested, please submit the required application as soon as possible, but no later than May 31, 1991. Your entire financial aid application must be complete by May 31 to be considered. The award determinations will be announced as completed applications are reviewed. If awarded, the work-study funding will begin with the July 8th payroll period.

### SEDS EVENTS!

While our meetings are over for the year, SEDS activities will remain in full swing throughout the summer. We have a tour of Big Bear Solar Observatory on Sunday May 26. Meet in the Catalina II parking lot before 11 a.m. or for information call Jeff at 356-3777. We will attend all shuttle landings, as usual. Our end of year banquet is Tuesday, May 28 (Tang, vacuum sealed mush-yum!) and we have an ice cream social on June 7. A number of members will be attending the solar eclipse in Baja this July. For more information about any activity, call Phil Rosenthal at 577-4664.

### Folk Dancing on Campus

The Caltech Folk Dancers invite you to come and join us for folk dancing on Tuesday nights in Dabney Hall Lounge. Dances are taught from 7:30 PM to 9:00 PM, with dancing from 9:00 until 11:30 or midnight.

### Attention PRE-MED Students!

There will be a meeting with Dr. Marlene Coleman at 4:00 PM on June 10 in the Health Center Conference Room. All pre-med students should attend, especially Juniors. Please call the Health Center (x6393), if you are unable to attend or if you need to talk to Dr. Coleman before the meeting.

### The Arroyo Singers

The Arroyo Singer's women's chorus, directed by Will Aardappel, will celebrate their 30th anniversary with a concert of "Music of the '30s" by George Gershwin, Cole Porter, Jerome Kern, and Duke Ellington on Sunday, June 9 in Dabney Lounge at 4 PM. The group will have instrumental accompaniment by piano and the Steve Warner trio. Refreshments follow the concert. Tickets are \$6, \$5 for students and seniors. For information call (213) 256-5332.

### Pasadena Folkdance Co-op

Beginning and intermediate folkdances are taught from 7:45-9:00 p.m. at the Pasadena Folkdance Co-op. The Co-op meets weekly on Friday evenings at Throop Unitarian Church at the corner of Los Robles and Del Mar in Pasadena. The Co-op welcomes all community members to enjoy a relaxed Friday evening of dancing and congeniality. There is a pause for refreshments. A contribution of \$1.50 is requested of all who are in attendance. Dancers are requested to use soft-soled shoes to protect the wood floor.

## what goes on

### Harry S. Truman Scholarship

The Harry S. Truman Scholarship Foundation awards scholarships to juniors who have outstanding leadership potential and intend to pursue careers in public service. If interested please stop by the Dean of Students Office, 102 Parsons-Gates for more information, deadline is December 2, 1991.

**The Desk and Derrick Club of Bakersfield** scholarship is granted annually to a resident or Kern County. The application should be submitted in letter form which must include the applicant's major, name of university, outside activities, etc. Special attention will be given to scholastic ability, the level of school and non-school activities and financial need. References from teachers and/or counselors should also be included. Application deadline is August 1, 1991. Applications should be mailed to Jan Walker, Chairman, Desk & Derrick Club Scholarship Committee, P.O. Box 11164, Bakersfield, CA 93389

If you have any questions, please come by the office or call x6280.

### Summer Contracts

Come by the Master's Office to pick up your summer contract. Deadline to turn it in for summer is May 31st.

### Centennial Symposium

The Division of the Humanities and Social Sciences has invited members of the Alumni Association to participate in their Centennial Symposium on New Directions in Economics to be held on Saturday, June 8 in 24 Beckman Labs from 2-5 p.m. The speakers will be Roger G. Noll ('62), Stephen A. Ross ('65), Mark A. Satterthwaite ('67), and Vernon L. Smith ('49). There will be a reception afterwards.

### Victim Awareness Program

Come and find out what you can do to avoid becoming a victim of crime. There will be a Victim Awareness Program on Wednesday, May 29 in the Winnett Lounge from 6-8 p.m. The program is sponsored by the Human Relations Advisor, Campus Security, and the Director of Residence Life.

### Y News

This Wednesday, 7:30 p.m., May 29 at the Y there will be a pizza party for those interested in being a part of next year's Caltech Y Excomm. Sign up at the Y.

Interested in attending this year's Y hike? The dates are September 12-21, the cost \$100.00. Sign up at the Y if you are interested.

The money is going quick for students interested in having a meal with a Caltech professor. Stop by the Y for more information (\$25.00 available per student/faculty couple).

### Target Shooting Club

The Caltech Target Shooting Club was recently established to gather together those members of the Caltech community interested in recreational shooting. In today's dangerous world of international terrorism, and automatic-weapon street violence, shooting skills are an invaluable asset. We hope to provide an opportunity for people to become acquainted with handgun use and safety for their own self defense. The primary role of the club is to organize regular trips to the local gun ranges, provide handgun safety and use instruction, and to purchase equipment for the use club members. All students, faculty and staff are encouraged to sign up for our mailing list. Just drop us a note in our mailbox in the SAC (152-58).

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## Community Tennis Ladder

The Caltech Community Tennis Challenge Ladder, dormant for the last twelve years, has been brought back to life. Caltech faculty, staff, and students (both graduate and undergraduate) are eligible to participate. Matches are two out of three sets with the twelve point tie-breaker used if the score in any set reaches six all. If a challenger wins the match they should contact Coach Mike Jackson at x6146 and the change in the ladder position will be made. The winner will move into the position of the loser, and the loser and all below will drop one place. The singles and doubles ladders will be updated and posted each Monday. New members are encouraged to join by challenging a member of the list. If you feel confident enough to challenge, then feel free to assert yourself and ask for a game. You may be of high enough caliber to place in the rankings.

### Singles Ladder

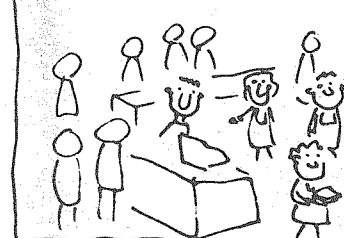
1. Alan Cummings x6708
2. Phillip Harrington x6061
3. Mike Jackson x6146
4. Karen Nilsen x6146
5. Peter Goldreich x6193
6. Tom Palfrey x4054
7. Paul Coffman x6146
8. Harry Gray x6500
9. Albert Lee 578-9886
10. Jay Labinger x6520
11. V. Limpasuvan 578-9504
12. Greg Wardle x9111
13. Hubert Tai 585-0208
14. Kevin Wang 578-9971
15. John Hopfield x6034
16. John Roberts x6036
17. Bob Carr x4583
18. Robert Christy x6918
19. Nate Lewis x6335
20. Robert Liu 578-9971
21. David Rutledge x4806
22. David Goodstein x4319
23. Amnon Yariv x9283
24. Chris Ho x9283
25. Barry Barish x6684
26. John Schwarz x6642
27. John Doyle x4808
28. Dan Bridges x6146
29. John D'Auria x6146
30. Clinton Dodd x6146
31. Chris Thompson x4519

### Doubles Ladder

1. Cummings/Harrington
2. Jackson/Nilsen
3. Gray/Harrington
4. Nilsen/Coffman
5. Gray/Labinger
6. Tai/Limpasuvan
7. Palfrey/Goldreich
8. Albert Lee/Danny Chu
9. Hopfield/Roberts
10. D. Marsh/F. Shair x2738
11. J. Morgan/D. Goodstein
12. Bob Carr/Fred Shair
13. Chris Ho/Sonny Arcilla

## Jim's Journal

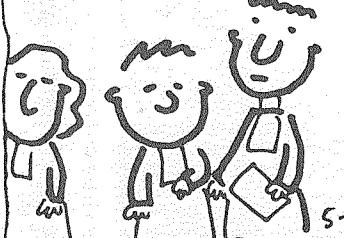
This morning at the copy store a lot of people were working.



Today I sat on a bench and ate an apple.



I was kind of tired, and we were disorganized and bumping into each other.



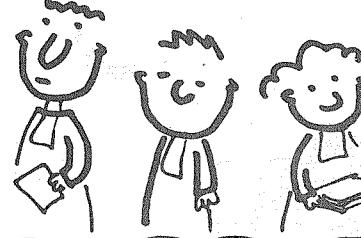
Hal came up from the back room and clapped his hands and said, "Let's go, gang—look alive!"

© 1991  
DICKENS

Someone with a little girl walked by me and the girl was looking at me.



I suddenly felt even more tired than I did before.



Then she smiled and tried to hide behind her mom so I couldn't see her.



## Sports Day Excitement

Sunday, May 19th was day full of excitement, enthusiasm, and, of course, sports. What more could you ask for? It was a day where generations that might never have met were allowed a few moments together—undergraduates, a few faculty, Alumni and their families, and gradstudents joined together for some friendly games.

Long before most of the campus was awake, those early-rising, hardy soles had completed the triathlon, the first event of the day. But that was hardly the beginning. All-in-all, it seemed like a typical Caltech event. The undergraduates were eager to show off their prowess at

their favorite event, and the alumni were just as excited about returning their their almamater and seeing how much they had changed.

Burgers, hot dogs, salad were served (and don't forget the Wunderbar) by Gary's crew and perhaps alums got a chance to remember what college gruel was like. (Scene: An alum approaches the grill, smiling and trying to spit, saying, "Hey! This burger's raw! You guys should watch what you're doing more closely!"

"Eh?"

"Burger. Yuck. Ptewy. RAW!" He peels the bun up and tears open the burger to reveal a bright red,

undercooked interior.

The burger flipper, without looking, takes the burger from the alum, throws it in the trash behind him, and mumbles, "Get another one. Here." He hands the alum another burger. The man looks at the burger placed on his plate closely for a second, then shrugs and heads back. As he leaves, another man walks up. "Hey this—" but before he can finish, his burger has been taken away and replaced by the lightning hands of the burger flipper. He sim-

ply shrugs and heads off.)

All-in-all, the day was a success. Every sport from badminton and baseball to ultimate and waterpolo was available for those who wanted to play, and many did. A rousing game of soccer started at 12:30, with about a dozen people on each side, and the people sitting on the field near the grill were just an added obstacle that no one seemed to mind too much.

Gary's cooking was actually not too bad, and it was free.

## KELROF Keeps Running

The thirteenth annual KELROF 24-hour relay was run this past weekend with nary a hitch. Three teams, one each from Lloyd and Ruddock Houses, and an all-frosh team, were involved in this year's race against the clock. The Ruddock team finished with 173.25 miles, Lloyd completed 171.25, while the freshmen ran 148 miles. Impressive performances were turned in by freshman Ned (Sprinklerhead/Cubehead) Bowden, who completed more than 20 miles while averaging less than 5:30. Ruddock team member Jonah Michaud averaged about 5:45, and Pete Carlin averaged less than 6:15 per mile for Lloyd. Kurt Storm and Ellis Eckland also recorded some impressive times throughout the long ordeal. Much appreciated were the many specta-

tors came out to support these brave men and women in their time of need.

### 1991 KELROF Runners:

Ruddock: Delwyn Gilmore, John Grade, Carol Johns, Betsy Barton, Jay Bromley, Stanley Grant, Hans Hornstein, Willie Watson, Jonah Michaud

Lloyd: Kurt Storm, Peter Carlin, Robert Rickenbrode, Scott Newell, John Stamm, Mark Son, Roy Lee, Michael Mulqueen, Hyong Lee, Julian Jamison

Frosh: Ned Bowden, Ellis Eckland, Gretchen Mullendore, Becky Green, Sofia Akber, Near Margolit, Brian Trotter, Keith Thompson

## Triathlon Results

### Top Twenty Sports Day Triathlon Finishes

Runner(s)	Run	Bike	Swim	Total
Zug/Moore	14:00	23:40	2:43	40:23
Burns	13:08	23:13	4:24	40:45
Pham	15:03	22:46	4:03	41:52
DelCastillo	15:08	24:35	3:46	43:29
Brown	14:25	26:21	2:45	43:31
Henderson/Royal/Das	13:01	27:36	2:55	43:32
Campo	13:46	24:52	5:09	43:47
Perkins/Owens/Perkins	13:35	28:10	2:55	44:40
Dudey	14:14	27:06	3:46	45:16
Vass	15:43	25:47	3:53	45:23
Muellerschoen	18:16	22:50	4:19	45:25
Klewicky	14:04	27:12	4:16	45:32
Corlis/Newell	16:34	25:49	3:15	45:38
Bowden	16:22	25:17	4:49	46:28
Lovalenti	16:57	25:32	4:22	46:51
Paulson/Ghez	18:06	26:25	2:57	47:28
Wells	16:27	?	?	47:47
Hansen	16:37	27:03	4:26	48:06
Yuh	13:43	27:56	6:32	48:11
McLaughlin	16:40	26:46	4:53	48:19

JUST 162  
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