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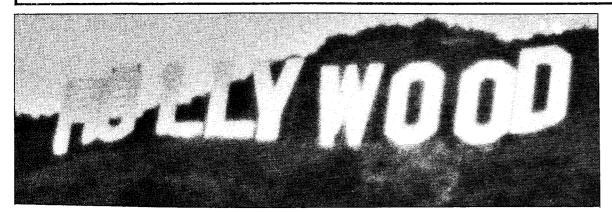


VOLUME LXXXVIII

NUMBER 29

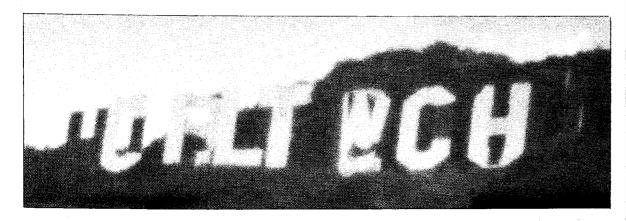
PASADENA, CALIFORNIA

FRIDAY 22 MAY 1987











Through the use of 30 second exposures, Calvin Techer shows the steps he took to remodel the archaic HOLLYWOOD sign in Griffith park.

The Rebirth of the Coffeehouse

by Sam Weaver

Any Techer who has gone to the coffeehouse on Holliston during the last few years has a mental picture associated with it which probably consists of well-used (not to say broken-down) couches, comic books scattered over scratched-up tables, and names being called out at the top of waiters' voices. In recent years, the coffeehouse has been housed at 300 South Holliston, and is easily spotted by the red light which was burning when it was open for business.

The manager of the coffeehouse

was appointed by ASCIT, and was paid back for his labors with a free room at the coffeehouse for the year during which he served. His duties have traditionally included buying the raw materials which would be turned into the fine cuisine served to its patrons, hiring the crack waiting staff based upon lung capacity, and seeing that the coffehouse books were not too unbalanced. And then came the South House renovation project, changing the face of the coffeehouse dining experience forever.

As one enters the new coffeehouse located directly beneath the southernmost alleys of Blacker and Dabney Houses, the impression is of a clean and efficient restaurant waiting for customers. There is a grill with a serving capacity comparable to those at a typical fast-food joint, a sandwich bar, an ice-cream freezer which will hold six one-gallon containers of various flavors, a hot-dog rotisserie, a nacho station, and plenty of gleaming stainless-steel counter space.

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The Saga of the Sign

by Calvin Techer

In September of 1986, two hundred freshmen arrive at a college known for pulling pranks within itself, on other universities, and on random, widely publicized events throughout the local area. Of course, this is Caltech.

After two terms of being introduced to such concepts as showering wars and room stacking, I had the incentive to attempt to organize another major prank, the latest one since the Rose Bowl scoreboard in 1984. This prank had been considered several times before, but for one reason or another, had been dismissed. Calvin Techer was willing to try again. Objective: change the HOLLYWOOD sign to read CALTECH, of course.

The first obstacle was funding. How much money would we need to buy materials and tools to cover the sign? Since FOX Broadcasting had just recently covered the sign themselves, for promotional reasons, we called them to determine the material they had used.

Burlap turned out to be that material for the dark parts, with poster-type plastic for the white. We made our calculations and

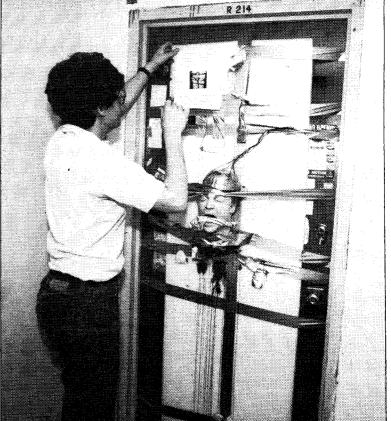
determined that we would need \$800-\$900. Four of the undergraduate student houses agreed to jointly fund the project, but they could not provide enough.

How to Fund a Prank

I decided to go around with a list and get signatures of people who would like to join a "prank" club, in order to get money from ASCIT. After a page and a half of signatures, we visited ASCIT in hope of obtaining the remainder of the money for our project. ASCIT, afraid of being liable for any illegal pranks, refused to fund a "prank" club.

Therefore, I solicited individual students who collectively contributed enough money to complete payment for the material. Now we had enough for the burlap, grommets, and rope we would need for the sign. We then ordered all of the burlap, which we were told would arrive within a week. At this point we were unsure of how we would manage the white part of the sign. We decided that the easiest way would be to spray paint the burlap white in the appropriate areas.

continued on page 5



Tomorrow came Wednesday - The 1987 edition of Senior Ditch Day sent underclassmen scurrying about campus on tasks. One senior in Ruddock House returned to campus and found his room counterstacked.

Security at Caltech

by Huy Cao

Because of security concerns about Caltech, there was a meeting to discuss such worries last Tuesday. Craig Steele, Chairman of the GSC Committee on Security, opened up by expressing concerns about the state of security at Caltech. James Minges, Director of Business Services, and Harold Ginder, Security Office head, both responded to concerns.

Part of the increased concern is due to the violence during Interhouse in which Caltech students were at the receiving end of attacks. In addition, there have been problems involving the parking area around the Catalina complex.

Since October 1, 1986 there have been 340 "incidents" reported to Security. Less than 100 of those have been thefts, others have been of suspicious persons, and about 120 (or 15 per month) have been false alarms.

Most of the thefts have been outside jobs, and ten of them were internal Caltech problems. Security estimates that there has been \$65,000 worth of damage or theft against Institute and personal property this year.

If anyone has a problem, Mr. Minges urged that he report it as soon as possible to Security. In some cases, property can be recovered and arrests can be made, but this will only happen if the incident is reported. It is best to call 5000 rather than 911 if there is a problem.

Caltech indeed prosecutes in cases of fraud, thefts, etc. But in the case of trespassers, they are

continued on page 3

OPINION

Good Girl

by Heidi Anderson

Reading about the "Sex Bias at Caltech" was my traumatic event for the week. I've suffered from an identity crisis ever since. It's not that I'm worried about how many women get tenure or that one half of high school students don't seem to fill in the right ovals with their number two pencils. Personally, I manage to do all right in this sexist, male chauvinist, old boy dominated, unfair, discriminating, slightly co-educational institution. No, what bothers me is that I don't know who I am anymore. I mean, suddenly, I'M NOT A GIRL!

If our esteemed and beloved president tasted his toes by mentioning "the girls" at O.W.C.'s brown bag luncheon, then I must have been unwittingly nibbling at

my knees for years. I'm shocked to think that I've been enjoying girltalk, girl-things, girl-friends...Oh horrors! I've even accused my grandmother of "going out with the

My self-confidence is crushed. What's left for my gender? How can we be women when "women" are only "men" with two extra letters? For that matter, we simply can't be mere "fe"males. But if we're not female then how can we honestly be sisters, wives, mothers, daughters, bitc...well, maybe the O.(?).C. does have a point.

"Girl" was such a nice word, short, to the point, kind of cute, full of sugar and spice. It's not without sadness that I tear out the "gimlet eyes" to "gladiator" page of my dictionary. And while I'm at it, you bet I'm going to rip out the "bowling" to "brain" page as well. It's only fair that if I can't have mine, they can't have theirs, either!





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NEXT WEEK: Beverly Hills Cop

Down With Affirmative Action

I was intrigued by last week's article, "Sex Bias at Tech." I read with wonder when the phrase "affirmative action" was first used. And when I read about Dr. Smith's proposal, that admissions standards for women undergrads should be lowered, I was awed.

Surely such a policy will improve social life for Caltech students. As the situation is, women are too few and men are too many for there to be "normal" social life. In addition, such a shift in policy will give Caltech a progressive look, for surely a school with one female out of four is more forward-looking than one with a one female out of eight.

So the only problem I see with such a shift in policy is that, aside from improvements in social life, it doesn't do undergraduate men or women any good. That this would be unjust for men is obvious. Many of them, qualified, will lose out to less qualified women.

The question then, is how will jacking up admissions of women help women? To answer this question, let us examine how jacking up enrollment of blacks has helped

Allan Bloom concisely examines how affirmative action has affected blacks in a section of his new book, The Closing of the American Mind. He tells it this way. Bloom observes that equality has been achieved in the American university for every ethnic group-Jews, Orientals, and so on – but not for blacks. They are

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in large numbers at the good universities, but they have not assimilated as all other ethnic groups have. Instead, the dining hall is a place where segregation is evident; blacks sit among themselves and whites, or rather non-blacks, don't feel comfortable sitting with them. Except for polite interaction where there has to be interaction, blacks and whites largely do not become real friends.

Bloom connects this with artificially increased enrollment, beginning at the peak of the civil rights movement when blacks were admitted into the universities to prove the absence of discrimination. This was to be temporary to integrate blacks. Instead, affirmative action failed. Black students had their hopes raised but not fulfilled. They were not academically prepared, and everybody knew it but nobody wanted to say it. The choice was either to fail them or pass them when they did not deserve it. The first choice, says Bloom, was intolerable; the second was partially possible but shameful to the university and blacks, because it meant that blacks were to be treated like second-class citizens.

The psychological effect on blacks in this situation is harmful. They know that they aren't being judged by the same standards by whites. They know that their average achievement is not as high as that of the white student. Their degree is tainted just because they are black, whether it deserves to be tainted or not. They have been

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whites, the favor of being judged by a lower standard. They themselves sometimes doubt their own successes, and because of this they find it easier to keep to themselves. This way, the difficulty of being looked down upon doesn't arise. So says Bloom.

In effect, affirmative action has not dissolved racial differences but instead has accentuated them. Instead of being seen as just persons, as those of other ethnic groups are, they are seen as blacks, both by non-blacks and themselves. So if affirmative action has helped blacks, it hasn't helped without a large price.

The question here is, if affirmative action has "helped" blacks so dubiously at the major universities, what would it do to help continued on page 3

THE CALIFORNIA TECH

Volume LXXXVIII • Number 29 22 MAY 1987

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Published weekly except during examination and vacation periods by the 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 letters for expediency, literacy, or other.

Turn in copy (preferably on an IBMcompatible, WordStar-formatted floppy disk) to the *Tech* office mailbox, room 107 Winnett. The deadline for copy is Wednesday at 5PM; for announcements, Tuesday at 5PM. Late copy may not be printed even if prior arrangements have been made with the editors.

Subscription requests should be directed to the business manager. Rates are \$3.00 per term, \$8.00 per annum (three terms), \$100 per life.

Printed by News-Type Service, Glendale, California ISSN 0008-1582

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Dennis Stanfill addresses yesterday's audience at the Athenaeum. Stanfill is the second speaker in the Robert Nolan series.

Key to Leadership

by Jennifer Low

Dennis Stanfill stressed the importance of integrity in the second of a series of Robert Noland Leadership luncheons vesterday. Stanfill addressed an almost full room of Caltech grads, undergrads, alumni and staff in his brief

Integrity, according to Stanfill, is the key characteristic in a good leader, even above intelligence. As an example, he suggested that a person without integrity promoted to a leadership position will not earn respect from his employees, nor will the employees respect the management who placed him there. Stanfill couldn't place integrity into words but supposed it was a combination of honesty and truth, among other things.

However, the importance of commitment and purpose were not lost to Stanfill. "If you don't have purpose, your project will almost always turn out badly." He also believes that the best way to lead is to be committed to what you are doing and expect the best from yourself and from those working with you.

Finally, Stanfill was adamant that while a leader may delegate tasks he does not delegate responsibility, and he cited Reagan's mismanagement of the Iran-contra scandal and Oliver North.

As for the making of a good leader, someone who is active in group activities and especially in sports will learn how to interact with other people. Stanfill also suggests that leadership programs such as Dale-Carnegie or supervisors' training courses also are a good idea because "they make you think about leadership.'

Stanfill has been a Trustee of the Board of Caltech since 1976 and is currently the head of a 25 million dollar venture capital fund in Los Angeles, specializing in investments in small to medium-sized companies in evtertainment, communications and leisure. He was, for ten years, the chairman and CEO of 20th Century Fox, a period during which Star Wars was produced-hence his speech title "Leadership: Is the Force With

The Robert Noland Leadership luncheon was sponsored by AMETEK and organized by the Caltech Y. The very interesting menu of cheeseburgers and french fries, served at the Athenaeum, was the choice of the students and not a statement of AMETEK's financial situation, informed Gerald Loehr, AMETEK's Executive Vice President of Western Operations.

Women

from page 2

women at a place like Caltech? I have a lurid imagination, but I cannot imagine men sitting separately from women at Caltech just because women are not men's academic equals. In fact, I would like to stress that increased female enrollment would be better for social interaction.

So let's say the ratio has been improved significantly, though much less than one-to-one. We have men and women, integrated in the dining hall. This would not happen if blacks or Hispanics were increased in great numbers at Caltech. What we have, then, is integration with the academically

lesser minority (women) simply because it is socially better for the academically superior majority (men). In this great integrating process, the women aren't accepted because they are equals. They are accepted because they are women who make social life for men better! Their femaleness is accéntuated even more than the blackness of black students is.

If affirmative action were indeed temporary and promoted equality, then I and everybody else would be for it. But it doesn't promote equality at all. Women in the previous situation would find themselves with a lower average of achievement (although it could well be that a woman is at the top of the class). Their degree is tainted. They've been done a favor by their male classmates; the favor is that

the men will pretend that no difference in ability really exists when they really know that by pretending this, they are judging women by a lower standard.

And what are men in this situation supposed to think when women succeed or fail? When women fail, men will say, "Yes, it is because she's a woman." When women succeed, men won't take it as just a success by a person, but as a success by a woman. But ultimately more important is what women will think of themselves. When they fail, will they associate it with their femaleness? And when they succeed, will they see it as a success just as good as a man's success?

I hope we think about affirmative action for women, and also think through its consequences.

Security from page 1

generally not charged on their first offense.

Students are urged to use their intelligence in decisions involving security. In one case a grad student let a potential thief borrow a screw driver. The suspicious character – a stranger-had asked to borrow screw driver so that, he said, he could remove his own car radio. Security saw him walking around with a screwdriver and asked him why. After some interrogation, the thief admitted that he was going to steal someone else's radio-not to mention the screwdriver.

In some cases the help of the Caltech community has helped to put away at least one rip-off artist. Earlier this year a young, persuasive man succeeded in convincing people at Caltech to give him money. He is now in jail.

Another way that Security is planning to scare off no-good troublemakers is to hire "cadets," students from Caltech or possibly PCC, whose main job will be to observe and be observed by potential thiefs.

Presently there are three guards in the evening, when most incidents occur. Security tries to respond in under two minutes to emergency situations, although one person at the meeting complained that it took 25 minutes for Security to come when he and a couple of buddies were holding a suspect.

Re-keying was one of the topics discussed. This idea was debated five years ago, when it was proposed that this would cost \$75,000. But then, as now, the issue is not so much financing as access. Should, or should not, students be allowed so much access to buildings on campus? Some feel that students are too liberal in making copies of keys, and as a result many copies of masters exist.

If you have a concern about security, you should communicate it to Security or Craig Steele.

Coffeehouse

from page 1

Looking out the door, the raised grassy areas of the newlyrevamped inner courtyard contrast with the memory of the lonely tree which used to stand forlornly on that same spot. The interior of the coffeehouse will soon be filled with new couches, chairs, and tables, and there will be patio furniture on the red tiles of the coutyard. Plans have been made to purchase and install a new stereo system complete with CD player, tape deck, receiver, and turntable, and to let the coffeehouse purchase a new music selection with any profits it might make.

Along with these structural and cosmetic changes to the coffeehouse come changes in the operation of the coffeehouse. A position has been created to help oversee all of the activities which will occur in the restructured basement complex, and is officially known as the Student Activities Coordinator. Among his duties will

be the responsibility to administer the coffeehouse, including having food delivered directly instead of the present system of purchasing food at wholesale markets.

In order to see that the needs of the students are being met properly, Jim Morgan and Stan Borodinsky of the Student Affairs Office, have proposed that an advisory group be formed composed of three undergraduates, one graduate student, and the Student Activities Coordinator. Dr. Morgan sees this group as operating like a user's group, and has dubbed it (in his wise and witty manner) the Coffeehouse User's Group, or CHUG for short. Any student interested in serving on CHUG should put their name on the sign-up sheet posted on the door of the Master's Office.

One of the first things that CHUG will have to decide is how the coffehouse will be managed and staffed by the students. When Stan Borodinsky was outlining the structure of the new coffeehouse, he visited coffeehouses at surrounding schools and found that the student waiters at these places were being paid in the neighborhood of \$8.00° per hour, so one of the things which will change in future years is the pay scale of waiters at the coffeehouse. As for the student management, there will probably not be a free room for the future managers of the coffeehouse, but there will be monetary reimbursement for their time.

The managers will still be appointed by ASCIT, but the appointments will not occur until CHUG has decided if there should be only one manager or more than one, and has specified the new duties of the manager(s), and the relationship between the Student Activities Coordinator and the student management of the coffeehouse. In order that CHUG and ASCIT might have some idea of who would be interested in managing or waiting at the coffeehouse, signups have been posted on the door of the Master's office for all those interested in these jobs for next year. If you think you are interested, go sign up, and remember that the pay will be significantly better than it is presently!



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Hero and Engineer

by Brian Treco

It is early World War II, and you are deeply involved in the development of a new technology which could dramatically alter the course of the war. You are progressing, but you have reason to believe the Germans are ahead of you. Sound familiar? No, we are not talking about the atomic bomb. The topic is Jet Propulsion, which is also the topic of the Caltech Y's talk on Tuesday, May 26 at 8:00 pm in Room 24 Beckman Labs, "The REAL Top Guns: the Genesis of the Jet Engine," delivered by Lt. Gen. (Ret.) Lawrence Craigie.

General Craigie's distinguished career has involved a fascinating mix of both military command and engineering development. In the early war years, Gen. Craigie served as an Assistant Executive of the **Experimental Engineering Section** at Wright-Patterson Air Force Base and Chief of the Aircrafts Projects Branch at Wright-Patterson, being rapidly promoted from Major to Lt. Colonel to Colonel. In 1942, on October 2, Gen. Craigie became the first U.S. armed-services pilot to fly a jet-propelled plane.

Rather than rest on such achievements, Gen. Craigie commanded the Boston and New York Fighter Wings in 1943 and on Christmas Eve of 1943 sailed from Newport News, Va. for the Mediterranean Theatre as commander of the 87th Fighter Wing. Gen. Craigie was later named the Allied Air Commander of Corsica, from where the invasion of Southern France was launched in August, 1944.

After the War, Gen. Craigie continued to serve in command and engineering roles and his service continued throughout the Korean Conflict, where he was the initial Air Force member of the Korean Truce Team. Later he was made Air Force Deputy Chief of Staff for

Research and Development. In 1954 Gen. Craigie returned to Europe, where he served as Commander of Nato's Allied Air Forces of Southern Europe. He retired from active duty in 1955 as Lieutenant General. Since his retirement he has continued to be active in management, directorial, and consultant roles in many and varied companies.

inducted as an Honorary Member of the Propulsion Hall of Fame. Other awards which he has received include the Distinguished Service Medal with Oak Leaf cash award and a certificate, is Cluster, American Defense Service financed by funds won by Caltech Medal, Europe-Africa-Middle East teams participating in the William Theater Service Medal with Bronze Lowell Putnam Competition, a nacampaign stars, Korean Service tional mathematics contest. Medal with bronze campaign stars,

with vast knowledge and ex- Herbert J. Ryser Scholarships for perience over a wide range of 1986-87. These grants are suptopics. We welcome you to come and listen to his presentation. Bring your questions. The talk is free and open to the public.

Math Winners

by the Department of Mathematics

Several Caltech undergraduates were honored this week at a Mathematics Awards Banquet.

Jonathan Shapiro, a senior majoring in Mathematics, received the T. Bell Undergraduate Gen. Craigie has recently been Mathematics Research Prize for a paper entitled "Some analytic and algebraic aspects of the quater-

The Bell prize, consisting of a

Professor David Wales, Exand the French Legion of Honor. ecutive Officer for Mathematics. Clearly Gen. Craigie is a man announced the winners of the ported by an endowment from the estate of the late Herbert J. Ryser, who was Professor of Mathematics at Caltech from 1967 until the time of his death in 1985. Ryser Scholarships of \$5,000 each were awarded for the next academic year to Laura Anderson and Joel Hamkins, both Caltech juniors.

In the Putnam Competition of last December, the Caltech team won honorable mention, and team members Eric Babson, Leland Brown and Darien Lefkowitz were

Special awards of \$1,000 each for promise of future success in mathematics were made to freshmen Darien Lefkowitz and Bill Cross. These funds, to be applied toward tuition, were contributed by J. Cassaday.

Beverly Hills II Wins

by Nancy Drehwing

Are you psyched for incredible car chases where cop cars are destroyed right and left? Hungry for shots of Playboy Bunnies playing volleyball and a fearsome six foot, gun toting assassin? Still amused by Caltech appearing in films? Never tire of supreme con artistry from The Eddie Murphy? Well, run, don't walk to go see Beverly Hills Cop II.

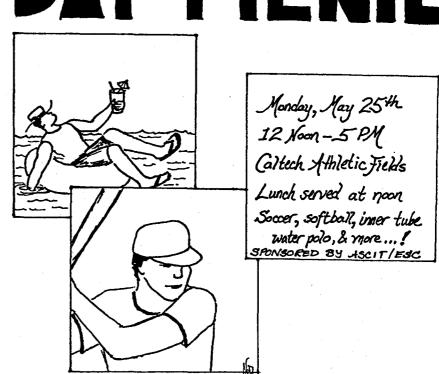
Axel Foley is back in Beverly Hills, sweet talking everyone with his Detroit street smarts. He and the Beverly Hills Police Department are after the Alphabet Killers-a group of thieves and assassins robbing various locales and leaving cryptic alphabet codes behind. (Shucks, it could have been a beautiful Ditch Day stack!) Of course, Axel is always ten steps ahead of the bungling cops, dragging along his sidekicks, police officers Billy Rosewood and John Taggart.

Judge Reinhold and John Ashton return from their roles from Beverly Hills Cop I, and play off of Murphy's antics beautifully. Both characters have added depth in the sequel—a nice touch. Little Billy turns out to be a gun fanatic, and John is bitter over his wife's sudden departure from home.

Foley, Rosewood, and Taggart inevitably crack the case, but of course there are the token shootouts, car chases (complete with cement mixer) and unbelievable deductions from the slimmest of leads. Axel Foley has Sherlock Holmes beaten by a mile.

Even though the plot wasn't plausible, it was still fun; and the story was co-written by Murphy, so more of "his style" of humor is evident in the movie. In fact, Axel IS the movie—it would fall apart otherwise. The action is non-stop, all three heroes have extremely funny bits to deliver, and there's even a plug for women's lib in the form of a blond "Grace Jones". And you can't beat that horrible hyena laugh of Murphy's. For a sequel, Beverly Hills Cop II is worth the time and the cash...a fine

MEMBRIAL AY FICNIC



TACIT Tries Again

by Nancy Drehwing

The TACIT production of "Play it Again, Sam' opens tonight at 8pm in Dabney Lounge, Caltech. It is the first of seven performances of Woody Allen's story about a neurotic writer whose wife has left PICTURES! in next week's Tech.

him. The cast includes a number of undergrads including Don Huntington, Ted Woodward, David Stevens, Christina Garden, Amanda Heaton, and Katryn Wiese. Watch for a complete review, with

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Hollywood

from page 1

When the burlap hadn't arrived by the scheduled date, we investigated other possible covering materials. Plastic came to mind, as some house's interhouse had used plastic as a major constituent. After a few phone calls, it was determined that plastic would be much cheaper and would be available quickly. We also found sources for strong and cheap rope and grommet tools.

The white plastic had to be much stronger than the black (they didn't have brown) because there would be no sign behind white to keep it from flapping in and catching the wind. We therefore ordered the white plastic which was to be delivered to our house, and we bought the black plastic that was already in stock. The rope and grommets/grommet makers were also purchased.

By this time it was already May. Ditch Day would soon be arriving, and we wanted to get moving on our project. On Saturday, the 9th, the first pieces were constructed. We still only had black at this point, so we made the long black strips which would cover the vertical bars of the H and D. On Tuesday most of the rest of the black was built. We had decided that the date we would put the sign up, if at all possible, would be late on Sunday the 17th.

The Date

Several weeks before, we had sent people up at night to determine the status of guards at the sign. It was determined that the sign was guarded only during the weeks of the FOX makeover, and none remained afterward. The only possibility of people being up there on the night of the change would

be at the radio transmitter at the top of the hill behind the sign, but that was significantly out of the way. Also, the gate closing off the road from cars left a 20-30 minute walk up to the sign, which would give us some extra time if we needed it.

The white material arrived on Wednesday, the 13th. It was very light and very strong, exactly what we needed. On Thursday, Friday, and Saturday, the rest of the letters were constructed. People were chosen for and signed up for teams to put up each letter at the sign. On Friday and Saturday, several people were brought up to the sign to become familiar with the area andpossible difficulties with the sign.

Razor-wire at the base of each letter posed a significant threat to the climbers, so bolt cutters were decided on to temporarily move the wire. Also, because of the extreme height of the sign, everyone would be required to wear safety equipment of some sort to attach themselves to the sign while they worked. We could not afford to have any accidents at all!

Final purchases such as extra rope, pocket knives, etc. were made on Sunday. The drivers were briefed as to the order in which they would bring the workers to a market well below the sign, and would then, one car at a time, bring workers up to the fence where they would hike the rest of the way. We decided to meet between 11:00 and midnight before leaving together for the sign. Next stop: Hollywood.

At 11:00 pm, everyone began to arrive at the Lloyd courtyard. Teams for each letter gathered and checked out the pieces needed to transform their letter. Semi-chaos erupted as more than 60 people filled the courtyard. Lots of lastminute organization took place. Safety equipment and lessons on how to use it were given to all of the climbers. Car assignments were made, and the 45 people actually

to work on the sign piled into vehicles. The partial convoy left at 1:00 am for the checkpoint below the sign-Mayfair Market.

After the 30 minute drive and everyone had arrived, the A team, T team, and ground crew were brought up to the gate below the sign with their plastic, tape, rope, etc. They began their 20-30 minute hike up the road, around the back of the hill, and up to the sign. When they arrived, the ground crew began working on removing the razor-barb at the base of each ladder behind the letters. Unfortunately, the cutters purchased were tin snips and were not very effective at cutting through the wire. However, after about 5 minutes of working, one could cut all the way through one piece.

Next up the hill were the O-H and E teams, followed by the H and D and both C teams 10 minutes later. As each team arrived, they were informed of the wire cutter situation and were advised to determine the best way to climb past the wire and get to the bottom of the ladders. Everyone had arrived except for two people on the E team, and they arrived shortly afterward.

Climbing began at about 3:00-3:30 am. Plastic was hoisted up the backs of the letters and placed on the girders. Each of these pieces was tied on with several ropes and was ready to be pushed off, unrolled down the sign, and be fastened along the side and bottom. Other pieces would have to be hoisted up the front after the transformations began, so ropes were dropped and tied to the pieces on the ground.

Letter Teams

The only pieces which were to be put up differently were the corners of the O-H, a corner of the A, and the rest of the A. The A was to be raised by securing it behind one L, letting the other side slump

behind, and pulling it up and tying on the other L when the time arrived. By 4:00, everyone was ready to begin dropping and hoisting pieces, so Calvin gave the go-ahead to begin.

The C's finished quickly, as they were small, one-piece letters. About this time, spotlights from below on the hill began to pass back and forth over the letters. This happened on and off for 5 to 10 minutes, and we were sure we were going to have company eventually, but decided to continue anyway. Most of the letters were progressing at a reasonable rate, but troubles were had at the A and E. The blackening of the H and D was finished after a bit, followed by the O-H and Y-T. While touchups were being made on the finished letters, the A and E teams struggled to finish.

The A team recruited other climbers to help tie the lines between the former L's. As expected, the wind caught the plastic of the A very well, so even with only the very light breeze that was present. tying the ropes tight was much of a challenge. Eventually everything was tied across and down on the A, and the E was sufficiently covered. The corners of the O-H and on the A proved difficult to attach and were decided to be too optional to

stick around just to finish them, soparties began to head back down the road.

Fully expecting to be met at the bottom by police, a few brave workers set out ahead of the rest to be alarms for the rest. Surprisingly, nobody was met except the expected ride at the gate. They were brought back to the market where the rest of the drivers were staying, and the drivers were told to begin up the hill to pick up groups of us as we came back down.

Everyone was back to the gate by just past 5:00 and was driven back down to the market. On the trip down, everyone marvelled at and was extremely proud of the new sign behind them. As soon as everyone had returned to the market and was counted, news media of every type was notified by the pay phone. We quickly left the parking lot and headed back for Tech. We arrived by 6:00 and were thoroughly excited.

Starting by about 7:15 on Monday the 18th, our prank was on every single local news broadcast, as well as the national news that evening. Reporters and television crews arrived and left all day. Amazingly, however, nobody could remember who had participated in the makeover earlier that morning.



A view of the new CALTECH sign from Sunset and Vine.

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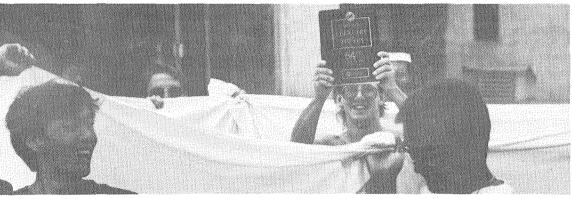
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DITCH DAY 1987 DITCH D







Blacker

Floyd Sneed sez: Finally. No more stupid announcements. Thought the day would never come. For those of you who slept late and missed the boat, SDD was Wed. And 'round here, for those of us who had a clue, we had to find some (not boats! clues).

Many memorable stacks were broken, some more successfully than others (one not at all). Amidst the chaotic confusion caused by the Collective Cosmic (Comic) Consciousness, we managed to hear a few tasty tidbits about various and sundry senior stuff.

Christmas came early to double-zero this year, as people feasted on cheesecake and caroled merrily. While next door, there was no limit to the evil brew from Hell. B&G decided to get in on the action and snag envelopes, leaving a wake of cluelessness and confusion.

uh, wet. The lounge became a pool which was generously shared by many-a-senior's stack, kinda like the underparts of good ol' House Banzai. To the ever-so-happy (and not underplayed) tunes of TV, teams of Jetsons and Gilligans slithered their way through biohazards to the depths of the earth, while visions of counterstacks danced through their heads.

Speaking of counterstacks, Dave "trapezoidal hair" Wittman is now the proud owner of a happy family of little popcorn creatures, even after giving his friendly stackees a T-bird for the day. Right around the corner, on the other hand, Bronze Butt Bill kept his room clean (relatively), by leaving lotsa decoding and EE-type stuffez-vous.

Down the hall, at the Tom-Tom stack, locals found a virtual plethora of robots and toys and things, oh my! Sorry. One of the Toms barely escaped justice at 8:15 by diving over 500 feet off the sleeping porch into a wet sponge below. Actually, it was more like five feet into a dry juniper tree, but it was dramatic nonetheless.

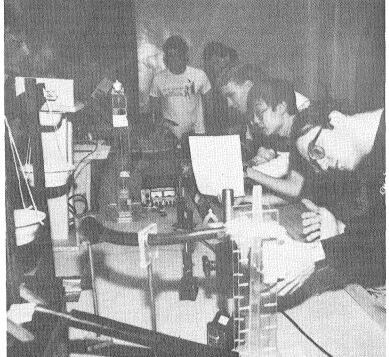
Meanwhile, San Pasqual was colorfully decorated by the flag of Norway, the home country of senior Bink Minknysink. While Fred was stuck in hyperspace, Irene was being showered, and showered again, and Hille was scaling Millikan; all for the final destruction of a silly brick wall. Good work kids!

Dawn presented such a poser that even with a map it couldn't be solved, but the Blume stack, mighty imposing at first, turned out to have more bark than bite. Info is scarce, but it seems Chad had a pan-dimensional-hyperspatial-type stack. Dude.

Moving to the off-campus seniors... Jimus Bellus Maximus, creator of the well-known, wellused, and frankly, pretty damn slimy Maze of Death, still hasn't sold his car. Serves him right for making respectable, sophisticated, and otherwise mature moles burrow into the ground. The famous Jewish Mother took a trip to the lounge, feeding us breakfast and generally keeping Joe and Mike

While playing thumper on the Olive Walk, some of you may have noticed a rather interesting addition to the upper portions of Millikan, sewn and painted by four bitchin' babes. The other task for Gumby's stack was to have six gnarly dudes take a political excursion to Oxy, getting names and phone nur of many-a-babe by asking them about foreign and domestic

policies. We hear that Rob and Nate sent a carload of wandering lameos around Pasadena and into the hills, but the rewards were good after many-a-hint, and they managed to avoid Gary's food for quite some time. Thanks, dudes!







AY 1987 DITCH DAY 1987

Fleming

Ed and Schofield's Stack had Damage, Burleigh, and Scott donning trench coats and taking in a show at the Venus (I hope that story about the old man was made up!), "Charity time" at the Plaza Pasadena fountain, "The Copacabana" with Barry Manilow Ralph and Batman surviving an order of Crazy Bread!

Raiders of the Lost Ark: assembled "the staff of Eros" (which incidentally ended up a couple feet long), nurled out in various campus sub-basements and dumped Cockroaches in Page.

Randy Brown's stack turned into a training exercise for the Pasadena Police (just give 'em your name, rank, and serial number, Brian); Janine got in some more "running" with Coach Dodd, and all in all massive quantities of beer were consumed.

Fear and Loathing of possible (slimy) pairings from other parts of campus kept many of the men of Fleming out of "The Dating Game"-too bad, since this was a

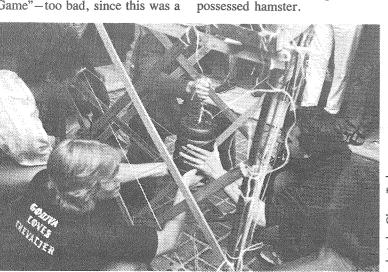
classic stack.

Jarita and Trina's art stack was evidently fun for Gino, Phillips, and Matt; but everyone else can be thankful that it kept Himmelstein and Gino occupied for most of the

Bill Gray's stack had eight freshmen monsters being allowed out in public only after covering their faces with peanut butter. The large scale roller ball game was pretty bitchin'; but, alas, Bill's pet feeding dish was not recovered.

Piccirillo's Freeway Game kept the surfers jamming, but was unfortunately coupled with stacks of a weenie nature from alley twostacks which were even a little fun up until 4:45...

The monumental Rube Goldberg stack not only provided an entertaining finale to a whole sequence of other stacks but kept several seniors from being counterstacked. When the candle finally burned down, everything went off with the exception of a



Dabney

Smashing success.—Alex Applesauce, Chicago Sun-Times A classic scene of techno-science whiz kids flexing their cerebral muscles. - Allen Knutson, young whiz kid

In my pants. - Darien G. Lefkowitz, New York Post

Well, another Ditch Day has come and gone. Expectations built by numerous "Ditch Day is tomorrow" announcements were not left unsatisfied. In fact, stacks were so good this year that many seniors have been invited to stay and stack again next year.

And now the descriptions of the

various stacks:

H Doug had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were unsuccessful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with Disneyland. Rahul had a good time.

Dan Bikle had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were unsuccessful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with the show Mission Impossible. Chris U. had a good time.

Rudy had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with climbing. Danny had a good time.

Greg had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with the steam tunnels. Jerome had a good time.

Eric had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were unsuccessful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with paisley. Alex G. had a good time.

Al had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with fantasy adventures. Harold had a good

Marg had a very interesting stack. Underclassmen sought clues around the campus in order to find

the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with photographs. Charlotte had a good time.

Dan H. had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with cement. Benzene had a good time.

Dave had a very interesting stack. Underclassmen sought clues around the campus in order to find the key to his room. However, they were baffled for many hours, but eventually were successful in opening the stack. It goes without saying that the puzzles were very challenging. Many of the clues were concerned with beer caps. Ami had a good time.

And now it's time to announce the "Senior of the Year." This year was an especially close year, no contestant receiving more than one vote. By the roll of a nine-sided die, Al Petterson was selected, so let's give Al a big hand. This Bud's for you!

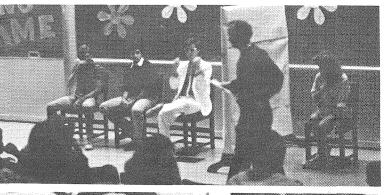


photo by Eric Christensen



photo by Robert Paz

Ruddock

Wednesday was senior ditch day. Luckily, the Ruddock House seniors, with the exception of Biff, were not well stacked. Alley 1 sported the impressive but foolish 20-minute brute force stack, and the bizarre and controversial laser disco show of Tu-Yen "Travolta" Pham, Wronson "Wronski Beat" Chu and Chris "Liberace" Hougen.

In Alley 2, the "Robot from Outer Space Attacks Caltech" stack of the infamous duo Spam and Barphy, however, was very challenging. Thankfully, at the last monent, Mothra, Godzuky, Gammara and Monster X descended to save the day.

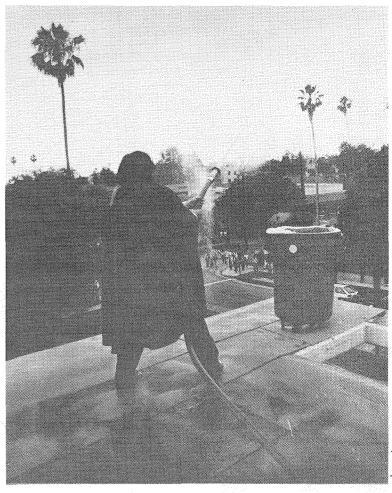
EE's headbanged in Alley 4. At the same time, "The Wall" became

the top 40 stack of the day. Craig says the weather in San Diego is great. The bribe was Mezcal worms, and was accepted. "What are you saying, man?"

Rosie and Kathy's stack motivated many. For example, Kathleen went all over campus looking for a piece. Jay and Pisan never got a clue.

The names used in this Inside World are purely fictional: Any resemblance to real individuals, living or dead, is purely acciden-

Vagin's and Stecher's stack was broken by the bosons of Alley 6 at high noon. When the door was finally opened, the Library accidentally slipped in.



Distinguished Alumni

[CNB]-Caltech conferred its highest honor-the Distinguished Alumni Award – on five graduates at Alumni Seminar Day last Saturday, May 16.

Distinguished Alumni Awards are given in recognition of achievement in science, engineering, business, or public service. They are presented to graduates who have made significant accomplishments not common to alumni of the Institute.

Recognized were:

James E. Lu Valle, director for many years of the Stanford undergraduate chemistry teaching program.

Muskat, retired Morris technical advisor in the Gulf Oil Corporation, and highly regarded for his technical contributions to the petroleum industry.

Stanley C. Pace, chairman and chief executive officer of General Dynamics Corporation.

Alvin W. Trivelpiece, executive officer of the American Association for the Advancement of Science and former director of the Office of Energy Research, U.S. Department of Energy.

John Waugh, the Arthur Amos Noyes Professor of Chemistry at MIT, noted for his pioneering nuclear magnetic resonance techniques.

Our alumni characteristically go on to distinguished careers, said Caltech president Marvin L. Goldberger. "It is a special pleasure

Signature

to honor these five who have achieved exceptional professional accomplishments.'

In 1975, after a career in industry, James E. Lu Valle came to Stanford as director of the undergraduate chemistry laboratories and continued in this role until his retirement in 1984. He is credited by colleagues with having made an "enormous impact on undergraduate education" at Stanford. He is also credited with designing highly effective summer programs for minority young people.

He earned his BA and MA degrees in chemistry from UCLA in 1936 and 1937 and his PhD in 1940 from Caltech. Based on the results of an alumni survey, in 1985 the UCLA Board of Regents named the graduate student commons in his honor in recognition of people.

Morris Muskat served as a technical advisor in the Gulf Oil Corporation. Among petroleum engineers, he is regarded as the founder of the science of petroleum reservoir engineering. He began his career with Gulf Oil in 1929 as a research engineer with Gulf Research and Development

Company. the petroleum industry, he was the ment of Energy (DOE), in April to recipient in 1953 of the Anthony F. Lucas Gold Medal from the AAAS. He was confirmed by the American Institute of Mining,

Metallurgical, and Petroleum Engineers for distinguished achievement in improving the understanding of methods of producing and finding petroleum and was later made an honorary member. He received the Lester C. Uren Award of the Society of Petroleum Engineers in 1969 for outstanding professional achievement. He is a member of the National Academy of Engineering.

Stanley Pace assumed his position with General Dynamics in 1985. Previously he had been with TRW Inc. for 31 years, serving as vice chairman of the board since 1985 and as president and chief operating officer since 1977. He had been a director since 1965 when he was also elected executive vice president.

He is the immediate past chairman of the National Association of Manufacturers and chairman of the group's executive committee. He was chairman of the Greater Cleveland Roundtable, a group of his outstanding service to young community leaders committed to creating jobs and improving housing and education. He has long been active in the Boy Scouts of

> A World War II B-24 pilot with 39 missions, he earned a BS from the U.S. Military Academy in 1943 and an MS degree in 1949 from Caltech.

Alvin W. Trivelpiece left his post as director of the Office of Much honored for his work in Energy Research, the U.S. Departbecome executive officer of the Senate in the DOE position in

1981. There he served as science adviser to the secretary of energy, and managed DOE's programs for basic energy research, health and environmental research, high energy and nuclear physics, and nuclear fusion, and was responsible for the DOE's non-weapons national laboratories.

Previously he was corporate vice president of Science Applications, Inc., and vice president for engineering and research at Maxwell Laboratories, as well as assistant director in the division of controlled thermonuclear research at the Atomic Energy Commission. There he conceived and brought about the establishment of the National Magnetic Fusion Energy Computing Center at the Lawrence Livermore Laboratory.

Prior to that, he was professor of engineering at UC Berkeley and professor of physics at the University of Maryland. He received a BS degree from California State Polytechnic University in 1953. He earned an MS degree in 1955 and a PhD in 1958, both from Caltech. He is the author of *Principles of* Plasma Physics, coauthored by N. A. Krall.

John S. Waugh did work at MIT that was instrumental in opening up matter in the solid state to nuclear magnetic resonance (NMR) examination. His MIT laboratory became one of the leading NMR spectroscopy centers in the world. Techniques developed there are now in widespread use. Many ideas originating from his work are finding use in different fields, such as laser spectroscopy. He has also

done important research in thermodynamics and statistical mechanics. He joined the MIT faculty in 1953 after one year as a Caltech research fellow.

Among his honors are the Hazeltine CHemistry-Physics Prize, the Wolf Prize in Chemistry, the Linus Pauling Medal, an Alfred P. Sloan Research Fellowship, a Guggenheim Fellowship, and membership in the National Academy of Sciences and the American Academy of Arts and Sciences. He earned his AB degree from Dartmouth in 1949, summa cum laude, and his PhD degree from Caltech in 1953.

CALTECH public events

EXCITING EVENTS COMPLETE PUBLIC EVENTS' SCHEDULE

The Mysterious World of Magic and Illusion is returning by popular demand Saturday, May 30 with performances at 2 p.m. and 8 p.m. Magic, sleight of hand and legerdemain will be showcased in this spectacular show.

Featured will be Kevin James' "Magic of the '80s," Glenn Falkenstein with E.S.Pecially Yours," the Magic Castle's "Parlour Magician of the Year" Tom Ogden, Frances Willard's "The Spirit Cabinet," and "Master Magician and Illusionist" Chuck Jones and Company.

The 2 p.m. show has been specially designed for children as part of Public Events' Family Faire series. This performance will be approximately 70 minutes in length.

CIT student tickets are priced at \$4.00 for the matinee and \$6.25-5.00-3.75 for the evening show; \$6.00 rush tickets go on sale the day of the show. The CIT/JPL faculty and staff ticket price is \$6.00 for the matinee and \$10.50-8.00-5.50 for the evening performance. They can also purchase TECHTIX, for the price of CIT student tickets, Friday, May 29 between noon and 4:30 p.m. at the Caltech Ticket

Also appearing on Saturday, May 30 will be the Royal Lichtenstein Quarter Ring Sidewalk Circus. Performances will be held at noon and 3:30 p.m. in Ramo Auditorium. A potpourri of magic, juggling, small animal acts and more will be featured.

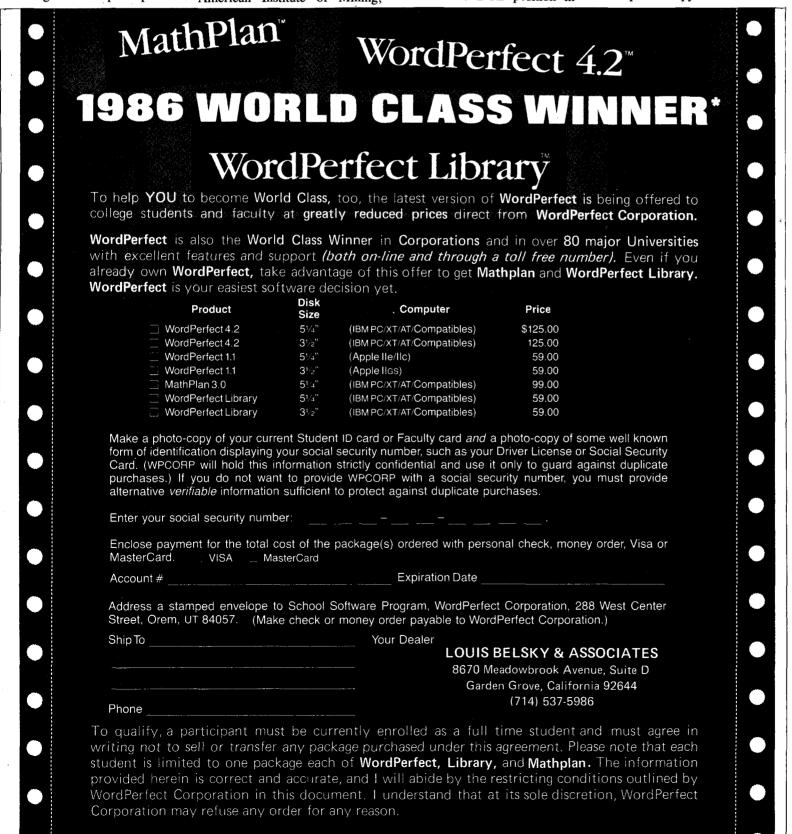
Ticket prices and discounts are the same as those for the matinee performance of The Mysterious World of Magic and Illusion.

Caltech's Wind Ensemble and Jazz Bands will combine forces on Friday, May 22 at 8 p.m. in Ramo Auditorium for Bandorama. eatured will be Jim Self on the tuba. Mr. Self's tuba was the "voice" of the mother ship in the movie "Close Encounters of the Third Kind."

An additional attraction will be the visual presentation by James Blinn who created the computer graphics for "The Mechanical Universe." Bandorama is directed by William Bing and is open to the public, free of charge.

"Play It Again Sam" will be performed by TACIT May 22, 23, 24, 25, 29, 30 and 31 with performances on Fridays and Saturdays at 8 p.m., and Sundays and Memorial Day at 2 p.m. You won't want to miss this production of Woody Allen's classic comedy. Admission is \$6.00; \$4.00 for students.

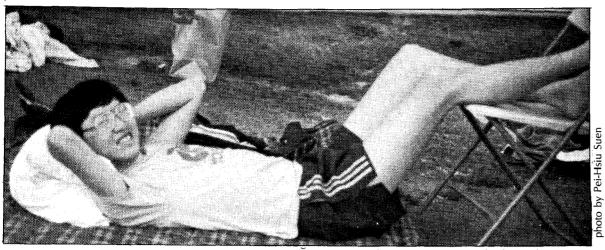
Tickets to all Caltech Public Events can be purchased at the Caltech Ticket Office, located just north of the Beckman Auditorium parking lot. For further information about the exciting Public Events scheduled this season, call campus ext. 4652



__ Date

*Word Processing Software category as voted by *PC World* readers.

SPORTS



George Fang takes a break to rest his weary legs halfway through the KELROF race, which ran for twenty-four hours beginning at 9AM Saturday, May 16. George was a member of the Page team.

KELROF: It's Not A Race For Wimps

by Steve Bard

KELROF, May 16-17, 1987. It's a grueling race which began at 9AM last Saturday morning and ended at 9AM Sunday morning. Twenty-four hours of nonstop sprinting in relays of one mile each for a total of more than 200 miles. Each of the ten people on a team runs four laps as fast as he or she can, then hands the baton to the next person and tries to catch a bit of sleep before running again.

This year's KELROF consisted of five teams. Page, Lloyd, and Ricketts fielded full ten-person teams. There was an all-women's team known as the Amazons, led by Bibi J-N, and Leftover Surprise, which began with four Moles, one Flem, a Darb, two Rudds and, anchoring the team, a Ph.D named Thespen. While there were no really amazing performers on the Leftover team, everyone was consistently good, and the team eventually won with 211 miles total.

The team with the amazing performers was Lloyd. Both John Haba and Rob Grothe were fast and furious throughout the race. John Haba pulled off two sub-five minute miles, which is even more amazing considering that he had been running for several hours already when he ran the second sub-fiver. John's Achilles tendon acted up towards the end of the race and he ended up walking the last three miles, but what a performance he put in earlier! Rob

Grothe ran times below the five and a half minute mark for a good twelve hours, then slowed down a bit as the morning wore on.

The important thing in KELROF is not to win, but to finish. Anyone who can subject their body to twenty-four hours of fast sprints (or even slow walks) can go to bed happy. In this context, the impressive thing about Ricketts' team is that they still had ten team members when the race ended at 9AM Sunday morning. That's called stamina. Every other team lost members as the night wore on.

The all-women's team, the Amazons, also pulled off an amazing feat of stamina. The team started off with nine members, but quickly was down to eight, as mean Dean Jeanne merely put in a guest performance. Additional runners dropped out, beginning at the twelve hour mark, and by 1AM Sunday morning there were only four women left, in a race that only begins to look sane when there are ten people participating. But these four amazons held out the rest of the night, and their team completed even more miles than the Page team, which wimped out by taking three hours off to go to the Glee Club Spring Concert at 7PM Saturday evening.

Teams experienced extreme attrition during the night both in numbers and in times, as the cold caused muscles to tighten up and

injuries to manifest. The major walking began around 4AM, and people began to wonder if it was really such a good idea to keep going. Leftover Surprise had three people at once decide to quit, but their hardy timekeepers (who hadn't been running, of course) convinced two of them to continue, even in the face of horrible pain and sleep on the brain. Fred Mallon (Leftover) had knee problems, so as a remedy, he ran several miles backwards, which was much easier on the knees and muscles. Raleigh Chiu of the Lloyd team was in such pain that he walked some of his miles, bringing in times of eighteen minutes and above, but he finished the race, and even ran slowly on his last

There were excellent support facilities for the runners, with hot soup, gorp, and fruit provided throughout the race. Athletic Trainer Jaye Penwarden stayed for the full twenty-four hours and showed movies for people in the training room, as well as taking care of people who injured themselves.

In all, the race is like one big party, with loud music playing to keep the runners awake (and annoying the hell out of the neighbors). People mill around, offering advice to those currently on the track and keeping warm or preparing for their next run (the

Duylor by Peri-Hsiu Suen

Rob Grothe makes a fast handoff to teammate Timothy Ma as he streaks in after a hard-paced mile.

worst time in KELROF is that time spent waiting on the track for one's teammate to come around the stretch and hand off the baton). Everyone is high on adrenalin, en-

dorphins, and general pain. It's a great time. Do it next year—it's an excellent excuse for an extension on homework that won't get done anyway.



Cancellation

To the Editors,

It was with great regret that we were forced to cancel our appearance at Caltech last Wednesday. It has been many years since we last visited your fine campus.

However, we were highly perturbed by the response of the Caltech community. We spent several hours in the Caltech rest frame posting notices for our Bizarre Colloquium, only to find that nearly seventy percent of them had been wantonly removed from their conspicuous locations.

Our visit has been treated most cavalierly, almost as if it were some sort of childish prank. We trust that the next time we take the trouble of scheduling an appearance, our efforts will be treated with respect commensurate to our scientific status.

A. Einstein ArchimedesY. Menuhin



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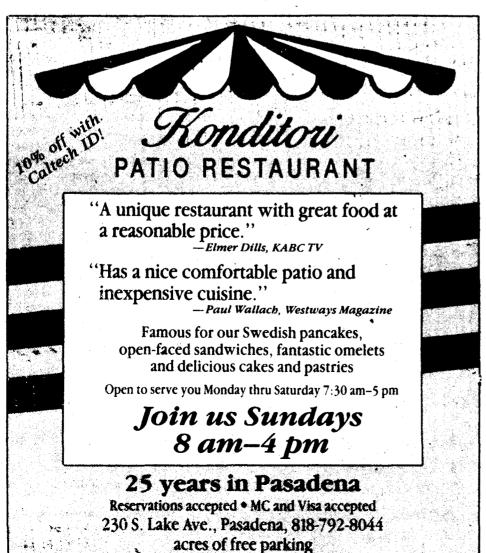
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3 Academy Awards
ROOM WITH A VIEW

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Academy Award Winner Best Actress - Marlee Matlin

CHILDREN OF A LESSER GOD











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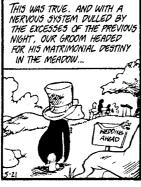




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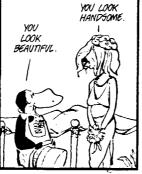


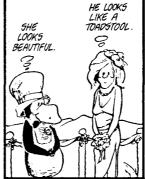




















Social Comm Update

Not to be missed. A classic!—N.Y. Times ESC does it once again.—National Enquirer Rock till you drop-Def Leppard

Whew! Spring Formal, KELROF, Alumni Day, Ditch Day . . . what next? A Memorial Day Picnic, that's what. Did you miss Sports Day? Well, there will be organized games of soccer, softball and inner tube water polo (yeah!); bring anything else such as frisbees and balls for disorganized games of ultimate and kickball, etc. Lunch is being served at noon, field events run from 12 to 5, and the pool is reserved from 12 to 2. Hopefully, Boris the Sun God will be cooperative and post-Invitational tanning can take place, too. Everyone is highly recommended to come and float around in inner tubes.

As if this weren't enough, then there was FISHBONE. All the rumors are false; Fishbone WILL be playing on Saturday, May 30th at Occidental's Greek Theater. It is a daytime concert beginning at 2PM with an Oxy warm up band, Sick Sick something or other. Siegfried, maybe. Yeah, well, I didn't name it. Anyhow, there are a few items that you, the enquiring mind, ought to know:

1) You need a ticket to get in. Tickets will be available Wednesday on from your friendly neighborhood house prez or Nancy D. Off campus people should go to the MOSH's office.

2) Each Caltech student is allowed to bring two guests (i.e. you may have up to three tickets). Guest's names must be given to Nancy in advance (x3691) or they won't be admitted.

3) Alcohol IS allowed in the Greek Theater, but NO kegs, NO glass bottles, and NO alcohol concession. NO exceptions.

4) There will be a shuttle service to and from Oxy, leaving Caltech from the corner of San Pasqual and Holliston.

5) We need people to work this thing!!!! About twenty volunteers are necessary for stage set-up, security, ticket taking and runners. Please call x3691 if you can help on either Friday at 4PM or Saturday anytime between 11:30 and 5:30. All volunteers are invited to the REAL party afterward, with pizza and ample beverages provided. If I don't get any response from willing volunteers, I'll appoint Jim Burleigh as next year's Social Director and THEN you'll be sorry. More details to come in next week's Tech. Don't miss the next exciting episode of "The Oscilloscope Travesty II: Fishbone returns!" (Just kidding, Jeanne and Gary....)

The Inside World

On to real news... Ass. Tea last Sunday was absorboootlee mahvaluss and we'd like to thank the faculty and guests for joining us. Remember, veeps, even though you did a great job, the Cannes challenge looms on the horizon... Oh, by the way, today is drop day, so drop much and drop often, hang loose, and party down at the Tanning Invitational Saturday.

Lane and Charles de Mar

Ricketts: Random House: hedge (hej)-n. 1. a row of bushes of small trees planted

Ricketts Hovse: hedge (hej)-n. 1. a big green brick.

And so went our latest Hovse meeting. For your reading enjoyment, the conclusions of the meeting are as follows: 1.a. Size, shape and location of all planter boxes will remain the same, except

as noted below.

The northeast planter box will be altered so as to contain one diagonal line. (Amended by executive order) The northeast planter box of part 1, section b will not contain a diagonal line.

Both east planter boxes and the north planter box will receive flowering bushes. All flowers in the courtyard will be of the same variety except as noted in

All flowers in the north planter box will be of a different variety than those in the east planter boxes.

The flowers in the north planter box will not clash with those in the east planter boxes.

Jed Lengyel will supply one voice analyzer and/or palm print reader as a locking device on each door in Ricketts House.

The palm tree will be burnt, but will not be killed.

The Hovse meeting quickly degenerated into a rash of silly arguments shortly before

the aforementioned decisions were made.

Athletic News: The Big Maroon Machine began its football season with a resounding 53 to 6 game against Lloyd last week. The Darbs provided a much closer match, with a final score of 28-26. Bruce, our own little monkey, caught two touchdown passes from "Fingers" Lengyel. Katryn, Dabney's favorite Scurve for a two-hand touch, was also rumoured to have received several passes from Fingers. That score remains a mystery.

More Athletic News: The Mighty Ricketts Runners finished second in KELROF. with the only team finishing with its entire complement. A special mention here: Doggy, with a 6:17 average over twenty miles, showed true greyhound spirit. Those Scurves that didn't want to jump up and down on the Ath lawn last weekend regressed into an exciting game of dodgeball. This week: Capture the Flag. So watch out.

a resounding success. Too had Blacker dide

they were there for the cleanup.

Other naughty bits: The Hollywood Institute of Technology recently perpetrated a stunning prank on the dismayed members of the Caltech community by transforming Millikan Library into a giant replica of the 2001 monolith. Dean Gary Lorden reported ly said, "A prank ceases to be a prank when a building named after a dead man with a shiny nose is defaced." Caltech officials recently confiscated over \$20,000 worth of sexual aids from the room of Javier Francisco Castillero, our favorite swarthy Latino. At the news, Alex Sugiyama broke down and cried. At the Hovse meeting Gaby revealed she would be accepting non-monetary bribes during room picks, only on nights when Sam's not around. After a busy (and tiring) weekend, she decided to stay with Sam. Kurth wishes to publicly compliment Nicole on her toes, wihe she deftly used to grab various parts of his body. Finally, we don't know what was going through Lisa L.'s mind, but Diamond Dave's expression as she straddled his chest was not one to be missed. Ditch Day was fun, but did anyone find the clue on Gato's stomach?

The Great Neck Strangler and The Lil' Cook-Man

Ruddock: Ruddock sayings of the week:

"Linley, your hair is so nice... and I bet it smells nice, too."

"Linley, your skin is so supple."

"Linley, your body is so lithe and vivacious."

"Linley, was it as impressive for you as it was for me?"

"Mike Song's stack fisted Pam's, film at 11." "Two! Two! Joker! Wayne, I'll take Housing, off campus, for 50, please."

"Hey, this laser's really bright. Ouch! I can't see!" Q:"Would you marry me?" A:"No." (Laughter)

-Bets the Frosh

GNP SHOWCASE 7th ANNUAL DITCH DAY SALE MAY 22-24

ALL WEEKEND FROM 11:00 AM FRIDAY TO 5:00 PM SUNDAY LINES GENERALLY START FORMING IN FRONT OF THE STORE BY 5:00 A.M FIRST COME-CATCHES THE EARLY...OH WELL, YOU KNOW! PRICES FOR STUDENTS/FACULTY AND ALUMS ONLY -- ID ABSOLUTELY REQUIRED

1244 E. Colorado Blvd. Pasadena, CA 91106 818-577-7767 * * PRICES GOOD ONLY WHILE SUPPLIES LAST * * COMPACT DISK PLAYERS SUPPLIES MAY BE LIMITED TO STOCK ON HAND ORIGINAL QTY BRAND MODEL # COMMENT PRICE PRICE NDU \$280.00 \$480.00 \$650.00 \$280.00 \$30.00 \$550.00 \$500.00 \$600.00 \$1,300.00 RASIC/PROGRAMMABLE \$149.00 B \$266.00 B 1 DENON DCD-300 DCD-300 DCD-1100 DCD-1500 DP-109 DP-409 DA-610CX DA-910 D-404 D-405 D-408 BABIC/PROGRAMMABLE PROGRAMMABLE W. REMOTE "THE MOST SOUGHT FOR"
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STACKING CD 4X OVERSAMP
4X OVRSMPL REMOTE "THE ABSOLUTE BEST" \$
CINCIA BEAM TARED 6 DENON \$266.00 B \$388.00 B \$179.00 N/D \$399.00 N/D --> AUDIO STACKS OF ELECTRONICS SPECIALS <--DENON MITSUBISHI MITSUBISHI
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LUXMAN
LUXMAN QTY STACK #1 DENON REG PRICE NOW NDU \$379.00 N \$699.00 U PMA-730C \$300.00 60 w/ch INTEGRATED AMP SINGLE BEAM LASER SINGLE BEAM LASER COMBO LVD/CD \$299.00 B TU-720C MATCHING TUNER \$369.00 B \$488.00 N/D \$500.00 ******************** \$298.00 STACK #2 REG PRICE SPEAKERS AMPLIFIER 100 w/ch MATCHING PREAMP \$598.00 \$448.00 GNP ORIGINAL PRICE NOU (Pr)BRAND MODEL # COMMENT PRICE \$1,046.00 \$784.50 \$1,795.00 GNP VALKYRIE BLACK OAK \$1,795.00 \$888.00 D \$1,895.00 \$999.00 D \$400.00 \$239.00 D \$550.00 \$280.00 N/D \$550.00 \$440.00 M \$550.00 \$479.20 M/D \$200.00 \$119.00 M/D \$200.00 \$129.00 M/D \$249.00 \$169.00 N/D \$249.00 \$169.00 N/D \$249.00 \$179.00 D \$300.00 \$179.00 D VALKYRIE VALKYRIE WODEL 1 MODEL 10 MODEL 2 MODEL 20 II SCRATCH-N-DENT
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2 WAY POLY W/1"DOME
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ELECTROSTAT W/ 10" WOOF \$1250.00

ELECTROSTATIC PANELS \$1750.00

8" 3 WAY \$350.00

6.5" 2 WAY \$250.00

8" 3 WAY. \$700.00

GOOD CONDITION \$450.00 \$875.00 N 1,399.00 D \$1750.00 \$1 REG PRICE \$315.00 N \$219.00 N \$180.00 N QTY STACK #4 LUXMAN NDU energy energy \$500.00 \$700.00 PREAMP 150 w/ch POWER AMP N/D N/D 10 CX-100 MODEL 30 1 NAD 1 SPICA TC-50 \$1,200.00 Ō TURNTABLES SALE PRICE NDU QTY BRAND MODEL # COMMENT PRICE PREAMPLIFIERS \$135.67 B \$149.00 U \$177.00 B \$162.25 B \$191.75 B \$206.50 B \$250.75 B ORIGINAL PRICE SALE 2 DENON DP-15 D DRV/AUTO QUARTZ AUTO \$229.95 \$500.00 \$300.00 \$275.00 \$325.00 \$350.00 \$425.00 \$40.00 ?7?77 PRICE NDU DP-2000 DP-35B DP-35C DP-37F DP-45F W/O TONEARM
D DRV/AUTO QUARTZ AUTO
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EXTREMELY WELL BUILT
GREAT VALUE
TOP OF THE LINE
SERIES 1
A GREAT VALUE \$500.00 \$329.00 B \$1,195.00 \$717.00 H/D \$1,795.00 \$1,077.00 D **E** \$349.00 N/D \$199.00 N \$750.00 \$250.00 RECEIVERS SALE PRICE NDU QTY BRAND MODEL # COMMENT VALUE AMPLIFIERS (POWER/INTEGRATED) \$340.00 CR-620 1 YAMAHA 35 W/CH 35 W/CH
HIGH CURRENT AMP 50w/ch
65 W/ch EXCELLENT TUNR
PWR ENVELOPE 50w/ch
HIGH CURRENT 75w/ch
30 W/CH .ANALOG TUNER
40 W/CH DIGITAL TUNER
HIGH CURRENT 50w/ch
HIGH CURRENT 50w/ch
RECEIVER 42 W/CH
75W/CH DIGITAL TUNER \$340.00 \$499.00 \$598.00 \$798.00 \$300.00 \$400.00 \$650.00 \$435.00 \$580.00 ORIGINAL \$249.00 N/D \$99.00 U 1 PROTON 950 950 TX-5000 7250 7175 R-5030 R-405 R-461 R-461 KR-730 PRICE MOU QTY BRAND MODEL # COMMENT ONKYO 1850B PWR
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SON PWR TUBE/HYBRID \$1,895.00
180 W/CH MOS-FET \$1,895.00
325 W/CH MOS-FET \$2,395.00
40 W/Ch \$229.00
50 W/Ch \$448.00
100 W/CH W/HCPS \$598.00
6 100 W/Ch \$530.00
120 W/Ch \$700.00
TUBE 30 W/Ch \$700.00
G 100 W/CH \$800.00
40 W/CH \$500.00
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1 NAD
1 NAD
9 LUXMAN
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1 KYOCERA
1 KYOCERA
1 KENWOOD
5 DENON M-7
PMF 18501
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TNT-200 \$418.60 D PREC FID \$499.00 U \$499.00 U 1,139.00 N/D 1,437.00 N/D \$149.00 U \$199.00 U \$478.40 D \$244.60 N/D \$299.99 N/D \$399.00 D \$199.00 D \$639.00 D \$558.60 D PERREAUX PERREAUX NAD NAD NAD \$179.00 B \$239.00 B \$357.50 D \$399.00 N \$139.00 U \$348.00 B LUXMAN LUXMAN LUXMAN DRA 755 5 DENON LUXMAN KYOCERA VIDEO PWR PWR 1 ACOUSTAT PRICE NOU OTY BRAND COMMENT MODEL # PRICE | KYOCERA | KD-200K | 8mm | CAMCORDER | \$1,795.00 | \$149.00 | \$149.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 | \$1.00 \$898.00 N/D KYOCERA 8mm CAMCORDER TAPE DECKS PRICE NDU OTY BRAND MODEL # PRICE \$549.00 D \$549.00 N/D \$666.00 N/D \$118.00 B \$188.80 B \$324.50 B \$149.00 N/D \$269.00 D \$383.20 N/D \$599.00 N/D \$796.00 N/D \$263.20 N 1 DENON
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"AWESOME" (NEW IN A BAG) \$550.00 \$400.00 \$228.00 \$412.50 N/D \$269.00 B \$182.40 N \$313.50 D 12 EPSON LX-86 INK JET
COLOR-DOT MATRIX
APPLE COMPATIBLE
9-PIN DOT MATRIX-180 CP 20 EPSON HS-80 ORTZ LOCKED 'FMX' TUNER \$199.00 D \$550.00 CARTRIDGES 9-PIN DOT MTRX-300 CPS 9-PIN DOT MTRX-200 CPS 9-PIN DOT MTRX-300 CPS 24-PIN DOT MTRX-200 CPS EX-800 FX-286E EX-1000 EPSON \$389.00 N \$454.00 N **BPSON** \$699.00 OTY BRAND MODEL # COMMENT PRICE NOU PRICE 15 EPSON \$799.00 \$519.00 N \$649.00 N \$39.00 N \$227.50 M/D \$157.50 N/D \$18.75 N/D \$39.00 N/D \$14.00 M/D \$144.00 M/D \$349.00 D \$79.00 M/D HIGH OUTPUT MC GREATER! GREAT! MOVING MAGNET MOVING MAGNET MOVING MAGNET 6 EPSON LO-1000 1 DENON DL-80 24-PIN DOT MTRX-200 CPS \$399.00 9-PIN DOT MTRX-200 CPS \$399.00 9-PIN DOT MTRX-200 CPS \$599.00 24-PIN DOT MTRX-280 CPS \$1599.00 24-PIN DOT MTRX-280 CPS \$1799.00 P9E RUBY F9E SUPER MCE+ MF3E+ 1 OKIDATA \$149.00 D 192+ \$225.00 \$37.50 \$60.00 GRADO 5 GRADO 5 GRADO 1 GRADO 1 KOETSU /<u>A</u> SIGNATURE Smr MOVING MAGNET BLACK MOVING COIL HIGH-OUTPUT MOVING COIL MOVING COIL 1 MAS 2 SHINON E-COIL ORIGINAL PRICE SALE TITAN PRICE NDU QTY BRAND MODEL # COMMENT \$100.00 \$149.00 A LOT \$199.00 \$199.00 \$50.00 N \$75.00 N \$25.00 D \$50.00 N \$50.00 N DGTL RERCH DR. LOGO SOFTWARE HAYES SMARTCM IICOMMUNICATIONS SOFTWARE COMPUTERS/MONITORS PFS: GRAPH ORIGINAL RBASE CLOUT MODEL # COMMENT PRICE NDU OTY BRAND PRICE 1 STAR SOFT ACCOUNTING PARTNER \$989.00 D \$710.00 D \$750.00 D \$90.00 N \$1.895.00 3 LEADG EDGE MODEL D 20MB W/MONITOR 1 LEADG EDGE MODEL D 2 DRIVE W/MONI MODEL D 2 DRIVE W/MONITOR BERNLLI BOX W/2 X 10MB \$1,495.00 MISC COMPUTER PARTS OX W/2 X 10MB COMPOSITE-AMBER \$2,495.00 \$199.00 ORIGINAL SALE PRICE NOU 2 ROLAND MA-122 OTY BRAND MODEL # COMMENT PRICE EVEREX MODEM KEYTRONICS KB-5151 1200 BAUD INTERNAL \$299.00 \$160.00 N \$7.50 N \$7.50 N \$7.50 H \$250.00 D \$249.00 N \$99.00 N \$250.00 A BIT MORE A BIT MORE A BIT MORE ORIGINAL KEYBOARD FAST DATA BITS NEC QTY BRAND MODEL # COMMENT PRICE PRICE NDU FASTER DATA BITS \$49.00 U \$129.00 D \$199.00 N \$299.00 N EQ FOR AUDIO AND VIDEO FM MOISE REDUCTION UNIT SURROUND SOUND UNIT SURROUND SOUND UNIT \$249.00 \$249.00 \$300.00 \$550.00 FASTEST DATA BITS 3 AUD CHTRL VC-1 TX 1-11 AV-250 AV-300 MICROPAZR BUFFER \$399.00 \$399.00 CARVER TECHAR EGA MASTR EGA BOARD MEC NEC \$99.00 N \$70.00 D \$0.75 N \$0.75 N US ROBOTIC MODEM MODEM 1200 BAUD EXTERNAL CONTROLER HARD DISK RF SWITCHER "AS IS"
RF SWITCHER "AS IS"
VIDEO SWITCHER-LINE LEV BE SERIOUS HIMARK VC-1000A \$99.95 \$29.00 D 128K CHIP FULL COMPLEMENT OF BITS MANY YEN SEVERAL VIDEO LINK XL-400 64K CHIPS FULL COMPLEMENT OF BITS MANY YEN

55V-440

SEVERAL

WHAT GOES

Announcements for What Goes On must (available outside 107 Winnett) or on a plain piece of paper. Please indicate the date(s) you want the announcement to run. Send announcements to 107-51, or put them in the mail slot in the door of 107 Winnett.

Announcements must be received by the Tuesday prior to publication.

Help Memorial Day

Please contact Nancy Drehwing (x3691) if you are interested in helping with a Memorial Day Picnic at the athletic field on May 25. (when else?) Duties to be assigned include organization and officiation of soc-cer, softball, inner tube water polo, and

One For The Road Hockey $[\checkmark]$

This is it! The last game until October is this weekend (Saturday, May 23). All those who"ve played before are urged to come out, along with the curious who haven't but would like to try. We play at 9 am on the parking lot north of Watson. For more info contact M. Butler, x4666.

Play It Again, Sam

TACIT presents Woody Allen's *Play It Again, Sam* as its spring production. Performances are 8 pm Friday, May 22nd and 29th, and Saturday, May 23rd and 30th, ith. with 2 pm matinees on Sunday, May 24th and 31st, and Monday, May 25th. Tickets are \$6.00, \$4.00 for students and are available at the Caltech Ticket Office, north of Beckman. All performances are in Dabney Hall Lounge.

Club Information Due

Club representatives, we need information from you in order to update the club section of the little t. Send a brief description (50-100 words) of the activities of your club along with the name, mail code and phone number of a contact person to *little* t, 107-51. Remember, 200 new freshmen will consult the little t for information about clubs. If we do not receive a response from your club then we will not repeat the entry from last year.

CLASSIFIED

HELP WANTED-

C PROGRAMMER needed to write graphing routines and printer drivers IBM machines in the Microsoft Windows environment. Call 213-278-8000. Ask for Tim or Steve.

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HOUSING-

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HOUSING WANTED-

VISITING FACULTY desires house for family of five, 6/29-9/1. Call (517) 349-9140.

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STUDENT TRAVEL Program (1987). Up to 50% discount for international travel. Program includes spouses and/or dependant children. Local, well established agency, (over 30 yrs. in area). Call: Lee Hansen Travel Service. (818) 790-5589. Ask for Jean Soule or Leslie Piddington.

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S.P.E.C.T.R.E. of Science Fiction

S.P.E.C.T.R.E., the Caltech Science Fiction Society, will meet Wednesday, 27 May 1987, at 7:30 pm in the Y Lounge (upstairs in Winnett). We should have final arrangements for the Library at this meeting. We'll show a movie (TBA-we've run out of Hitchhiker's Guide episodes), and as always we'll have free munchies and soda. For more info, call Mark Looper at 304-0006.

Free Chamber Concert

At 8:00 on Saturday, May 23 in Ramo Auditorium, there will be a free concert of chamber music. Students from PA 31 will play music by Mozart, Beethoven, Milhaud, Britten, Ewald, and Dvorak. A reception will follow the concert.

German Hearts

There will be a showing of Ein Herz aus Glas with English subtitles on May 27 at 7:30 in Baxter Lecture Hall. It's about a Bavarian farmboy who predicts the destruction of a glass factory. Nonetheless, all the villagers continue on their predestined course, but when the accident actually occurs, the blame immediately falls on him and leads to his arrest.

Need a Summer Job?

If you don't have a summer job lined up yet, there's still hope. TRW in Los Angeles has two full-time positions available for undergraduate or graduate students, one for a physicist and one for an electrical engineer. The physicist will calculate electromagnetic fields due to nuclear weapon explosion and the electrical engineer will do design analysis of analog circuits and calculate electromagnetic coupling to electronic systems. Students should have completed their junior year. Also, a full-time permanent position is also available for a recent (or soon-to-be) graduate (job description to be provided later). Visit the Career Development Center, 08 Parsons-Gates, for more informaton on how to apply. (Job listings are in the Technical Summer book under "Positions via Alumni.")

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Objectivist Meeting

The Caltech Objectivist Society will be meeting in the Y-Lounge on Tuesday, May 26th at 7:30 pm. We will be showing two videotaped lectures by Harry Binswanger, the editor of the Objectivist Forum. The talks are entitled "Individualism: The Moral Basis of Freedom" and "Socialism= Fascism." Come and discuss (or debate) the controversial philosophy of Ayn Rand. Everyone is welcome, refreshments will be

Amnesty International Art

Amnesty International is sponsoring an art exhibition/video event on Monday and Tuesday, May 25-26, in Winnett Student Center. The paintings, sculpture and videos on display are the work of many local artists and art students. They represent the individual artist's response to key human rights issues surrounding the death penalty in the U.S. This is a good opportunity to view fine artwork and gain new insights into the human rights concerns of Amnesty International. Monday, 11am-5pm, Tuesday 9am-5pm. Admission free. For more information call Eric (818) 796-7156 or Mim (818) 798-9958.

Don't Leave Home Without It

Travelling abroad? Don't leave home without an International Student ID Card. You can obtain it from Ingrid, International Desk, 105 Winnett Student Center, x6330.

Vets Memorial Scholarship

Applications for the 1987 Coors Veterans' Memorial Scholarship are available in the Financial Aid Office, 12-63. To be eligible you must be 22 years old or younger as of July 1, 1987; you must have a cumulative GPA of at least 3.0, have completed freshman year, and be a dependent of Honorably Discharged American service personnel, or a dependent of Active Duty or Reserve military personnel, or a dependent of personnel Killed in Action, Missing in Action, or who have Died in the Line of Duty. Application deadline is July 1.

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Fine Arts Club Award

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The Fine Arts Club of Pasadena has awarded Ethan Spiegel, a junior APh major from Page House, Honorable Mention and \$100 in their prestigious Youth Scholarship Competition for classical piano.

McKinney Prize Winners

The McKinney Committee of the Literature faculty is pleased to announce the winners in the 1987 contest for excellence in writing. The prize for fiction was won jointly by Tung Yin and Sam Weaver. Jed Lengyel won the poetry prize. Each will be awarded \$300. Honorable mention goes to Gerard Jungman, David S. Lee, and Hasok

Start getting ready for next year's contest. If you have questions, contact Professor Jenijoy La Belle, x3606.

Essay Contest

Students enrolled in senior high school, college and continuing education are eligible to enter the National Organization for Women's essay contest on the topic: "Do We Need An Equal Rights for Women Amendment to the Constitution?". Winners will be awarded scholarships starting at \$1,000. All entries must be received by September 30, 1987. For information, write the NOW Foundation Essay Contest, 1401 New York Ave., N.W., Suite 800, Washington, D.C. 20005.

Gay/Lesbian Discussion Group

An ongoing discussion group on Gay/Lesbian topics is held every Thursday evening from 7:30-9:45pm at the Archibald Young Health Center. All members of the Caltech community are welcome. Refreshments are provided. For further information please contact Bruce Kahl, x6393

Northrop Scholarship

The Northrop Corporation is once again offering a \$3,000 scholarship to a Caltech junior for the 1987-88 academic year. The scholarship is open to current sophomores in Electrical Engineering with at least a 3.3 GPA and a career interest in the defense aerospace/electronics industry. The applicant must be a U.S. citizen, a resident in geographic proximity to a Northrop facility and must not be a concurrent recipient of another company's scholarship.

Applications are available in the Financial Aid Office, 12-63. The deadline is 4:00 pm Friday, May 29. A representative from The Northrop Corporation will be on campus the first week of June to interview the applicants.

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Melee The Day Away

The Caltech Medieval/Renaissance Society is holding fighting practice and armoring workshops again. If you would like to learn the techniques of Medieval-style armored combat and armor-making, we meet Sundays at 1 pm outside Winnett Student Center. (Just listen for the clank of armor and the thump of weapons...)

Do You Want Money?

Positions are available for work study (\$5/hour) or volunteers at the Red Door Café. Inquire or leave message at the Red Door (x6158) or x6692.

Summer Research At Hughes

A SPECIAL summer job opportunity has been made available for a Caltech undergraduate. Work with top scientists at the Hughes Research Laboratories in Malibu, California. The research activities at the laboratories are largely experimental. with an emphasis on microelectronics, sensors, electro-optics, plasmas, and informa-

tion sciences.

A highly competitive salary will be provided, and housing will be arranged. Students in physics and engineering who plan to pursue graduate school will be the strongest candidates. For more information, come by the Career Development Center,

Chess Tonight

The Caltech Chess Club meets tonight In fact, it meets every Friday night at 7:30 pm in 27 Gates. Bring your chess equipment (boards, sets, clocks) if you have any. All in the Caltech community are welcome. For more information call 578–9294 and ask for

Yosemite Yoseminars

The Yosemite Association is offering in teresting and challenging outdoor field seminars at Yosemite for summer and fall, 1987. The non-profit organization has been operating the field program for the past 16 years, and welcomes those who wish to learn more about Yosemite, while enjoying its spectacular scenery.

The current seminar catalog includes outings which start in May and run through October, some offered for college credit. The Association offers backpacking trips led by experienced naturalists for participants of varying degrees of ability from beginners to the more experienced. Several tripos are for women only, others invite both men and women such as Backpack Yosemite's Northern Canyons (August 17-23), a strenuous eight-day trip.

For more information, write to: Yosemite Association, PO Box 545, Yosemite National Park, CA 95389.



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