A suggestion for a full-scale attempt to improve the quality of teaching goes back at least as far as the semi-annual student faculty conference which took place last year in the Caltech field. Spectators are encouraged to attend. The game will take place at the Caltech field. Spectators are encouraged to attend. The game will take place at the Caltech field. Spectators are encouraged to attend.
Truth Distorted

To the Editors:

I write in response to Amin Abid and Khurram Afridi’s letter concerning my article about the proposed sale of AWACS (Air-Borne Warning and Control System) to Pakistan. However, before I say anything, let me at the outset thank them for unwittingly acknowledging that the article was a “paragon in the skillful use of language.” But their assumption that the article was a distortion of the truth is incorrect.

Mr. Abid and Mr. Afridi maintain that my description of Pakistan and India as “two mutually suspicious governments” is incorrect. The truth of my statement should however be patent to anyone even vaguely familiar with Indo-Pak politics.

Further, they qualify their stand by saying that “Pakistan’s government has made a very solemn effort to normalize relations.” Firstly, even if this is true, it does not imply that Pakistan is not suspicious of India. Secondly, by saying this, Mr. Abid and Mr. Afridi are failing to victim to the very vice they accuse me of—exaggerated use of language to distort the truth. They err similarly yet again by saying, “Pakistan’s inventory of armaments is insignificant.” This statement can be refuted by simply considering the size of the U.S. military aid (in sophisticated arms) to Pakistan.

Further, their implication that I suggested that the sale of AWACS would “improve Pakistan’s offensive capability” is not a distortion, but a lie! I had simply quoted a statement of the Indian government and the phrase was void of any in-sinuation from my side. In fact, I cannot deny their statement that the AWACS are largely defense-oriented, but then again they should address this not to me but the Indian government.

Also, I feel that their mighty, two-pronged attack on my one word “innocuous” was belaboured, perhaps due to their misinterpretation of what I meant. In fact, it was for hard for me to believe that they drew fleeting conclusions about my lack of culture, sensitivity or even humanity based just on my use of the harmless word “innocuous.” In the context of the passage, my use of this hitherto mild word, was simply to indicate that the incursions and bombings and strafings by Afghan forces are not as severe as they were made out to be.

The very fact that one does not hear concrete statistics about these incidents makes one wonder how deceptively they really are. However, I concede that perhaps a milder word would be better suited to the passage. We, in the Outside World, try to achieve a balance between expressing fact and opinions. In this case, Mr. Amin and Mr. Afridi perhaps misconstrued my article, failing to distinguish fact from opinion, or possibly distorted the truth of what I said to instil the notion that I cannot say. Anyway, I hope that these lines will unequivocally put my article in the right light.

—Maneesh Jain

Visual Noise

To the Editors,

Sometimes when you’re quietly looking the other way, doing your homework or whatever, some funny things happen on this campus and catch you by surprise. This year it was renovations. Some delightful new kitchens, a new laundry room and some glorious baby blue walls—and that’s where the controversy is set in. Much to our surprise, the administration did not put up any murals. We thought this was cool and drew a cartoon on the wall. Everyone was quite pleased having an official mural on the wall, so they were very disappointed when, one summer, the housing office painted over Tunnel without warning.

One of the special things I have discovered about Caltech was the freedom and responsibility given undergraduates. This is in the honor system and it used to also be in the control we were given over our houses. I noticed that my friends at other colleges lived in dorms that looked no better than cheap hotels, whereas at Tech we were able to put up skyscapes and decorate our house as we saw fit. Part of what made the house system better than dorms, I hope this wasn’t made into the past.

Our complaints (and disadvantages) have led to the Renovation of Academic Community Discussion Group that meets on Fridays at 3pm in the Millikan Boardroom. The group’s mission has been a mar­ jor point of discussion at these meetings. We’ve argued that the administration mis­ represents us. But, as Professor Glenn Cass told us at the last meeting, “Graffiti denounces.” Apparently the Administration feels that if we were allowed to paint on these baby blue walls without asking their permission (on paper first). We need pass the MOSH’s judgement on their aesthetic value first. Approved murals only.

... that’s good enough!

Not at all! The spontaneous graffiti, the domino effect of defacements has been a cherished part of the south houses for years now. In Blacker, graffiti is vividly con­ fined to the alleys of Tunnel and Caines. It was great fun to be in Tunnel when alumni came by, because often they could tell you early behind a picture on the wall. I never did hear any good stories about, “Then I waited till Monday, presented the MASH approval .. “ Murals just don’t make folk art.

Mutual just don’t make for house. Murals aren’t folk art.

Beige walls have a few stories, too. When Tricia Stodard, an ex­ pression of Blacker, told me about the problems we were having with the murals (e.g. physical plant would paint over our graffiti and charge us for “fixing the vandalism?”) she told me about the visits of a Painters, a Pulitzer prize winning cartoonist. He was shown Tunnel, thought it was cool, and drew a cartoon on the wall. Everyone was quite pleased having an official mural on the wall, so they were very disappointed when, one summer, the housing office painted over Tunnel without warning.

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Renovating the South Houses is an honorable goal. These are beautiful buildings, and should serve as a reminder to the students to come. The motives of present and past administration are not in direct conflict here. I hope that those in power in this matter will understand the economic weight on what the students who live in these houses want from renov­ ations.

I encourage anyone who is in­ terested to come to the meetings. It is very easy to let changes like this go by, to be resigned to the administration’s de­ adiminstration, or to just be too busy doing homework to get involved. Then again, if you like living in a hotel, you’re all set.

—David M. Meckhof

Blacker House

THE CALIFORNIA TECH

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Frosh Fail: Beckman Blow-out

by Glenn Tesler

A group of wayward Frosh, who in a communication to the California Tech's Pasadena offices identified themselves as the Beckman 6, unsuccessfully attempted to fly away the roof of Beckman Auditorium in a last ditch attempt to earn extra credit in their Phys 1A recitation sections.

A ring of seventy balloon fill-garbage bags (“balloons”) was placed around the auditorium ear- ly on the morning of December 3, apparently in expectation of the Watson lecture that evening on planetary rings. The balloons were placed in pairs through adjacent holes along the perimeter of the roof and key points underneath the roof.

Though this was the first reported sighting of a ringed building in Caltech history, the ring did not last long. By lunchtime, about half the balloons were gone, and more disappeared as the day progressed. By the end of the Wat- son lecture, the only significant cluster of balconies left was a group of five situated over the main en- trance of the auditorium.

The Frosh, who would not identify the individuals in their group, apparently are all in danger of failing Phys 1A, and hoped that by demonstrating their knowledge of the content of the course by a means other than the homework or tests, they could convince their T.A.’s to alter the grading scheme of the class. Now that their attempt has failed, however, their only hope left is to pull off an even bet- ter stunt before finals week.

Survival: Chem-Book Cookery?

by Glenn Tesler

It’s 4:30PM on a Saturday afternoon, and hundreds of Techers are waking up, hungry after their only ten-hour sleep of the week. The first thought on their minds is: “food!” and the second is “I just can’t get enough of that B.C. food during the week,” so they all run into preparing everything from pre- microwave, Robb’s favorite cook- ing method.

Anyway, there

burn [and] don’t stick.”

Students were given a sheet with directions for preparation of each dish. To the new cooking stu- dent, these directions may have ap- peared reminiscent of a Chem 3a lab manual, without the pretense questions. But unlike Chem 3a, cooking does not require one to be meticulous: as Robb demonstrated eye-balling measurements, he said “You don’t have to be too precise; chemistry is still amok, just as long as you’re off.” There is no danger of contaminating reagents; chocolate chips spilled during the preparation of Rocky Road were thrown right back into the mixing bowl. There’s great flexibility in the apparatus that may be used; though crushing the Doritos used to coat the Taco Chicken Wings should have been some- thing enough to cook for other students would be interested in a follow-up class that would include more than just what was necessary for weekend survival. Some of the topics that may be included in future classes are preparation of pasta and pies, and how to choose fresh produce and other articles at the supermarket. For more infor- mation, contact the Caltech Y.

We feature:

• Chicken Tavouk Kebab
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For the Entire Month of November
A FREE root beer float to all Juniors, Seniors, and Grad Students

Faculty, Grad Students, Attend, 535 South Lake Avenue MOndays & Tuesdays are Beer Days. Half price on beer. 9 block north of California

Blackout: A Modern Fairy Tale (as told by Dr. R.)

Once upon a time, there lived a bright boy named Scott, who went to Caltech. He had been a snob at school because he was so much better than everyone else but he was also very bad, and he beat up his kids every day and always made them do his homework. So in December Alex and Scott ran away from home. They walked for a long time, and finally reached a place called BC. Since they were hungry they went in and ate lunch, but to their surprise the food was not as bad as they thought. They found that Alex and Scott both got stomach-aches and called Scott to take them home. Scott tore them up again and made them do his DE project project, so the two abandoned children ran away again. This time they ran all the way to a building called Bridge. Inside they found Professor Cooper and Dr. Cowen flying Scott as tall as a tower. And Scott and Alex have been with him, where they all lived happily ever after and never had to do physics homework again (now that you know this is only a fairy tale). -Ares

Fleming: Fleeting Hope has been losing soccer games like a masochist lately. It looks like what we need is a partner or two on the field to aliment the Heinrich Mannesov so that all of the chugging goes on there does not cause instant death. Oh well, maybe disciples is not completely out of sight.

Here's that "Mr. Main Man" Murphy has finally skedaddled, those of us who live on the courtyard can finally get some sleep. Or at least could have gotten some sleep if the temporary 24-hour around the clock set building had not been almost irremediably replaced by the permanent 24-hour drilling of the foundations.

Back to the 60's. Once again the new addition to the Ruddock Inside World: The Ruddock List of the Week. The Frosh Fail: Beckman Blow-out... well, it's all true. The Ruddock List of the Week is a regular feature, and you can get an Idea of what is going on by reading it regularly. But for now, let's go on to the Ruddock Lists.

The frightening autobiograph of the Mail Order Bride mogul.

A nostalgic look back to a long-haired carefree time.

Chess: I Was Its Pawn

Includes tips on how to make your pentagrams more regular.

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Renovation Confrontations

from page 1

Cass also pointed out the possibility of linked effects that could stem from graffiti. "Event­ually, there gets to be such a high level of visual noise in the system that pretty soon you start not noticing that the wiring is hanging out of the walls, (and other assorted damages and safety hazards).

"The people who are doing the maintenance get demoralized. They don't know what's out of place and what isn't, so they don't fix anything. Pretty soon, you have not just a bunch of visual clutter, but you have a lot of real, downright safety hazards on your hands."

The students did not seem to think this was a valid argument because they did not believe there were any links between the cause, graffiti, and the effect, decay of the houses.

Problems and Suggestions

The painting of alley walls colors different than those currently existing was an issue that came up briefly during the first meeting. David Nice of Ricketts House complained that he had been, "bounced around between the MOSH and the Housing Office," when he tried to get approval for the painting of his alley.

Brennen responded, "I apologize. We weren't all clear as to how this process was going to work."

Bibi Lentoft-Nilsen voiced the impression that most students seemed to have, "In the past, the reason we went to the Housing Office when we wanted to paint an alley was because they would pay for the paint."

The MOSH corrected this idea. "That's not true. You were always supposed to get approval."

The issue of alley repainting grew in importance since it became apparent that much of the renovation paint job was substandard. Castor Fu brought in a handful of paint that had peeled from a wall in Blacker. He and many others brought up examples of damage due to poor quality painting. "Physical plant or their contrac­ tors should make good on painting that was not correctly done," was the response from Morgan.

Dealing with unreasonable charges billed to the houses was also a point discussed at the meeting. It was stressed by the ad­ ministrators and the members of Ricketts House that a house member must accompany the in­ spection party on their tour to pre­ vent such charges.

Members of Ricketts and Blacker now accompany the group when they look through their respective houses.

It was also proposed that the period between inspections be lengthened to allow the houses to repair some of the damage themselves and alleviate the im­ pression that there were eyes con­ stantly looking over the students' shoulders. Morgan said, "The shorter the interval, the better we feel." He also said that the ad­ ministration would examine the idea.

The subcommittee meets, with a few exceptions, every Friday at 3:00 in the Millikan Boardroom. (This includes today!)

***********************************************************

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SALT II Treaty Breached by U.S.  

by Haok Chang  
The United States has formally reversed its policy of adhering to the SALT II Treaty. The U.S. nuclear forces last week exceeded the maximum number of strategic delivery vehicles (ICBM's, bombers, etc.) allowed by SALT II, by their deployment of the 3131st bomber equipped to carry the cruise missile. Both superpowers have been abiding by the treaty since it was signed in 1979 although it was never ratified by the U.S. Senate. However, the Reagan Administration has been accusing the Soviets of subtly violating the treaty.

Soviets Ahead In Strategic Defense  

by Huy Cao  
Jane's Weapon Systems, a British military publication, reports that the Soviet Union is ahead of the U.S. in "Star Wars" research. According to its editor Bernard Blake, the Soviet Union has the world's only anti-satellite system and is now building a new, more accurate radar network. Blake also reports that Moscow has an extensive laser program employing 10,000 scientists and engineers.

Robert Gates, the CIA's second-in-command, estimates that over the last 10 years the Soviets have spent nearly $150 billion on strategic defense, or about 15 times what the United States has spent. In addition to anti-ballistic missiles, Gates says, the Soviets have pursued advanced technologies for strategic defense, including laser technology.

Gates also says that "to preserve the Soviet monopoly in defense against ballistic missiles, the Soviets are currently waging an intense propaganda campaign to dissuade the United States from pursuing its own strategic defense.

Claims and Counter-Claims  

by Haok Chang  
The Iran arms scandal reached crisis dimensions when it was discovered that millions of dollars of the profit made by selling arms to Iran was diverted to the contras in Nicaragua. Congress is strongly demanding the clarification of all matters. Major questions remain to be answered. President Reagan has said that Colonel Oliver North was the only official with full knowledge of the diversion of funds. However, members of the Senate Intelligence Committee expressed a strong suspicion that many top officials knew about the matter, after hearing the 7-hour testimony by the former National Security Advisor Robert McFarlane. The President also said that "another country", obviously referring to Israel, was responsible for "funneling money" to the contras. Israel has denied the charge repeatedly.

East German Would-Be Defector Shot  

by Huy Cao  
East German guards shot over 30 rounds with submachine-guns to kill a man trying to jump the Berlin Wall. West German and other Western governments have noted that the action shows contempt for human life. The shooting is the latest of over a hundred and marks a new phase in the use of weapons at the wall.
Korean Scholarships

The Korean American Scholarship Foundation is offering scholarships for 1987-88. To qualify, you must be a full-time student of Korean American heritage. Scholarships average $1,000 per student. Deadline is June 1, 1987. To receive an application write to:

Scholarship Committee
Western Region Office
Korean American Scholarship Foundation
Box 3388, Santa Ana, CA 92703

Excellent Juniors?

For the second year in a row, Time magazine is selecting a nationwide search for 100 college juniors who excel in academics and extra-curricular activities. Called the TIME College Achievement Awards, the selections are a recognition of the nation's most outstanding college students.

Twenty winners will receive awards of $2,500 each and their achievements will be showcased in a special promotional section of the June 6, 1987 campus edition of TIME. Eighteen more finalists will receive $2,000 each and honorable mention in the section. All 100 winners will be given first consideration for internships with Time Inc. and other major participating corporations.

The 1986 Time College Achievement awards will be reviewed by a panel of regional judges and the student's application materials. More information about the scholarships can be obtained from:

The College Achievement Awards Fund
Time, Inc.
1271 Avenue of the Americas
New York, NY 10020

Scholarships average $1,000 per student. Deadline is June 1, 1987.
Football Streak Ends in Vic'ville

by Bat Masterson

Tomorrow the Battlin' Beavers football team will finish their season at home in their annual bowl game against the Pasadena Police Officers Association. The Beavers are coming off their first loss in 21 games.

Two weeks ago the team traveled to Victoria College J.C. Rams. The Rams are a highly organized junior college team coached by Gene Toshiba, a former Caltech coach.

The Beavers returned with a 24-6 loss but with heads held up and eyes on a new era of Caltech football. The players took it hard, but they also took it as a road to improvement. Said one assistant linebacker, "You can't get better if you don't play better teams."

Indeed the Rams were a tough, more organized team than most of Tech's opponents, and the Battlin' Beavers should be proud of the strides they have made toward becoming a better football team.

The Beavers pounded on their opponents early and appeared to have things going their way when the Rams fumbled on their first possession. But the Beavers' defense was very tough and would not give ground as easily as some of Tech's less organized opponents.

The Beavers punted away and the Rams scored on their next offensive drive.

The Battlin Beavers were not shut down yet, and QB Martin Brouillette faced freshman All-American Dwight Berg for a touchdown on their next drive. It was Berg's first touchdown of the year and would not give away the ball.

Toshiba instinctively punted away and Berg's pass was intercepted on the one yard line. But the careless Ram couldn't find the handle and fumbled the ball away.

Toshiba instinctively tucked the ball, scooped up the loose ball, and took it in for the TD. The play was subsequently called back for a penalty, but Toshiba's effort sparked the team.

Tomorrow's game begins at 11:00 AM at the Caltech Fox Stadium Memorial Track and Field football stadium. The charity game will benefit children in Pasadena and admission to the game is one unWrapped toy (value $5.00 or more). It would be a fine exhibition of Caltech generosity if members of both the faculty and the student body were in attendance of this worthy cause. Freshmen attendance is mandatory; no excuses will be accepted.

New Facilities

Stanton Field and Track Dedication Set For Today

(CNB)--The Fox Stanton Field and Field, a new all-weather track and field facility, will be dedicated today at 11:00 AM by Caltech officials and members of the board of directors of the L. W. Smith Foundation. Caltech President Marvin L. Goldberger will officiate at the dedication.

In 1921 to 1942.

During his 21 years at Caltech, Fox Stanton coached football and track, leading the Institute's football team to championships in the Southern California Conference in 1930 and 1931. In 1923 the team finished their season at home, with Pomona College tie.

When Coach Stanton retired in 1942, he wrote of his career: "In a school which does not pick men for athletic ability, he has formed championship teams. In a school where no credit is given for athletic work, it would be necessary to add in addition to regular studies, he has developed outstanding football material.”

The dedication of the new Fox Stanton Track features a rubberized surface and two new sprinting lanes. The new drainage system for the track area has been improved, and the runway facilities have been extended for the long jump, pole vault, steeple chase, and discuss throw—all of which have been relocated to accommodate new contours of the track.

The $450,000 in funding for the L. W. Smith Foundation was provided with the support of Foundation board member L. W. Stanton, who is the son of Fox Stanton and a Caltech alumnus. Dr. L. W. Stanton received his B.S. in 1931, both from Caltech. Since 1984 he has been a member of The Caltech Associates, a major Institute support group.

Interhouse, Discobolus Track Rules Change

by Michael Keating

At their regular Wednesday night meeting, the Interhouse Committee voted to restore the events of the interhouse and discobolus track meets.

For interhouse track meets, the 440-yard races have replaced all of the races that were formerly yard-based. The only significant consequence of this change is that the one-mile and two-mile races are now officially 440 and 1,760-meter races.

The discobolus track will now consist of all the events that comprise the interhouse meet excluding the 3,000-meter and the burlotte race. Points scores for first through fourth places have gone from 5-4-3-2 to 5-3-2-1 in individual events and from 5-3-1-0 to 5-3-1-0 in relay races.

On Thanksgiving eve a Caltech hockey team missing several key players took on U.C. Irvine for the second time this season. Though Irvine won again, the score was much closer than that of the previous meeting. The Beavers skated with Irvine for the entire game and the final shots-on-goal count was nearly even. Luck seemed to favor Irvine that night, and they scored four times against Caltech's none.

Caltech played Cal State Northridge on Thanksgiving break. The Beavers dominated the entire game but failed to capitalize on many opportunities. At the end of the game, Irvine defeated Caltech, 1-2. Next, the Beavers will play UCLA at the Pasadena Ice Center. Game time is 9:45 PM.

by Jason

The past few weeks have been busy for the hockey team. First we played Cal State Fullerton, a division I team. As expected the game was rather unimportant, all the focus was on the highlight for the Beavers being their play during the last two periods. Despite Fullerton scoring twice, but Fullerton prevailed 12-2.

Caltech played Cal State Northridge on the Sunday before the Thanksgiving break. The Beavers dominated the entire game but failed to capitalize on many opportunities. Irvine is a very good team, Caltech could muster only a 2-0 lead going into the final minutes. J. P. Bower scored a goal assisted by Jim Bower, and then Bower scored a goal. Pierre Harvey and Dwight Berg assisted on the second goal. Unfortunately the Beavers relaxed a little too soon and Northridge scored two goals in the last two minutes for a final 2-2 score. On Thanksgiving eve a Caltech hockey team missing several key players took on U.C. Irvine for the second time this season. Though Irvine won again, the score was much closer than that of the previous meeting. The Beavers skated with Irvine for the entire game and the final shots-on-goal count was nearly even. Luck seemed to favor Irvine that night, and they scored four times against Caltech's none.

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Training Exam Tomorrow
The training exam for the Thesaurus, December 6. It will be held from 9:00AM to noon and 2:00PM to 5:00PM. Participants should show up at the first door of Jewelry to pick up their forms, good luck charmed and see safety blankets. Don't be calculating, fake dates, scratch paper, or any other items. If you're signed up, but won't be taking the test, you'll be signed
up but want to take it, contact Rich Wolf at x4322 or Lillian Chappell at x4353.

The little r f Here!!
Yes, after enormously long printing and shipping delays out of our hand, the little r, your indispensable guide to everything, is finally ready. These little r's are for the hallway outside 107 Winnett: that's as far as your humble Editor was able to drag your boxes. Each house gets two boxes of 60, so if there are any copies in your lounge go your boxes.
One copy per box, sign-up, please! Extra copies will become available in a few weeks after students have had a chance to get there.
Please address comments or questions, missing or out-of-date information, general errata, or even neat new stuff that should be in next year's edition, to: little r, 507. Yelling at the Editor will be far less pleasant.

Chocolate Almond .... uuuuuuum.
Friday, December 5th, at 2PM. Come munch some munchies for the pot-luck.

The Red Door Art Gallery
Currently on display in the Red Door is a series of oil paintings by Caltech chemist Bengt Magnusson. Bengt, a senior, is a resident of Blacker House. He used the House trunk room as his studio and the paintings on display were completed during his tenure at Caltech. The Red Door art gallery is open to all students. Admission is $5; $2 for students, and can be paid at the door. The gallery is open from 1:00 to 5:00PM. Don't miss this opportunity to enjoy a free gallery.

Renaissance Workshop
The Caltech Medieval/Renaissance Society will be having a costume workshop the afternoon of Saturday, December 7, beginning at 3PM. Bring your own costume and learn a few tips on making and fitting it. CMRS' Fashion Workshop will be held on Saturday at the Caltech Union, under the direction of a market- making and costume practice.

De Karman Fellowship
Information regarding the Josephine de Karman Fellowship is available in the Financial Aid Office, 126-A, and the Graduate Office, O-2. The fellowship is for seniors or third year or more graduate students for research on any subject in the area of research. Applications are due on January 16, 1987.

The MacVey December Meeting
The MacVey Users Group presents an Open House which is to be held at 7 PM on Saturday, December 19 at 204-13. The meeting will feature a demonstration of Mac software and an opportunity to meet other Mac users. For more information please contact John Ray, 888-1277, or write MacValley User Group, Box 4927, Burbank CA 91503.

NSF Engineering Program
A New National Science Foundation program.
NSF is offering the first Engineering, "being offered to make design work in Mechanical Engineering education work in the same way as in other fields. These new creativity awards will support students based on their creative activities as a class of research. The awards will be given to any student, regardless of grade level or major, who is enrolled in an NSF approved program.

The Caltech Union, under the direction of a market- making and costume practice.

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