ASCIT Party Dead and Buried

By Lee Sanderlin

The largest Brain Caltech showed their true colors (ranging from white to green) at last Saturday's bash. The event was appropriately eerie and dan. The room was as dusty as a silicon desert, and Toga's were popular among Ruds. Diapers and dresses were seen hanging on a rope, as was a rope. A few tried the shock tact of coming as themselves. They weresuccessful (in more ways than one), who tried to catch 6 kilograms of frozen pumpkin, scared everyone with little effort.

Technology was evident in many outfits, including Marins with strobe antennas and lights. The rear-in-the-dark of Tech Vader. Most, though, wore white suits, which had becuome common, although there were many inventive creations. It was questionable whether the black robes and pointed hats of the Ricketts were costumes or blacksearls. The music played was a fair mixture of styles. The food was delicious, especially if it was in quantity for a horde of Tech students off meal service. The bar did a good job of keeping up with the crowd, in both serving and consuming. The only minor complaint was the dust. All in all, it was a well-executed (in more ways than one) event.

Caltech Builds Two More Labs

By Doug MacKenzie

In just a little over a year, Caltech will have two more buildings to add to the edifice. The first, the Laboratories of Applied Physics (just east of Beckman Auditorium) and the Biology and Chemistry (just south of Chemistry Labs). Construction started for both buildings in the beginning of the current fall; completion is expected two years after that and is holding to schedule.

Watson Laboratories has been budgeted at $5.8 million while C. F. Braun and Co. are also the architects of the new bio-chim lab, while Helmuth, Obara, Kassabau and Co. are the architects of Watson. The Gust. K. Newburg Co. is the contractor for both the buildings.

Watson Laboratories will be a two-story building with no basement, covering about forty thousand square feet. The structure will be square with its offices looking out onto a courtyard with a fountain in the center of the building. The approximately twenty-five labs will be on the outer side of the square. In addition, the physics building will house two classrooms and a conference room.

By Arley Anderson

The Student Investment Fund is now midway through its second year of existence. The summer has been a productive one for the Board with the value of the fund increasing from $65,500 in early June to $84,000 in mid-October. The most impressive gains were made in high-technology stocks with both Tandem Computers and Computer more than doubling in value.

With the election close at hand, the Board sees the short-term direction of the stock market as uncertain. This view has led to the sale of our riskier high-technology stocks, especially those which grew appreciably during the summer. At the last meeting of the Board, the suggestion "Let's sell half and when we see which way it goes, we can buy it back or sell the rest," was frequently made and just as often acted upon. The result was that the Board moved from a position of 55 stock, 45% cash equivalent to 46% stock, 60% cash equivalents. The remaining stock is diverse but solid companies like Exxon, AT&T, Northrop and GE with a small portion in the speculative growth stocks AMD and Western Digital. As the market firms up, the Board plans to use its highly liquid position to take advantage of the new direction the market takes.

By Marjie Farrell

The organization for women at Caltech held a fall meeting last week, and their purpose was to hear progress reports and to discuss nominations for the organization's Executive Committee. Members also talked about their plans for this year.

The OWCS's main accomplishments over the summer were getting the administration to appoint an affirmative action committee and helping to get raises for staff members. They were also officially organizing an organization by the Institute, which means the OWC now has subcommittees of all groups. In addition, their membership has increased to about 150 people.

The first order of business was voting for next year's Ex-Comm. This committee directs the activities, and its members are elected to represent women from all segments of the Caltech community. It was explained at the meeting that this year the OWC would elect a total of ten members from among faculty, staff, students, and JPL. Ballots and campaign statements will be mailed to OWC members.

Each committee gave an update on its work. First was the Schember group. At the publicity committee, talked about the OWCS's new monthly newsletter, called "Olive Tree." The first issue contained articles on a sex discrimination suit against the Institute, the OWCS's goals and achievements, and general items of concern to tech women. Schember said she thinks "One:One" should "lighten up" and become a "One:One" newsletter.

Professor Claims... Master Keys a Menace to Building Security

By Tracy Furutani

"We don't need masters. No students nor faculty should have them except those in the conduct of [their] work." Gaps of amazement are heard at the thought of Caltech students without master keys (which allow one entrance to buildings and most rooms therein), yet those are the words of Dr. Charles H. Wilts, professor of applied physics and mastermind of the Steele Laboratory lock system.

Recently, there have been a rash of thefts in Steele, ranging from typewriters and calculators in offices to major pieces of lab equipment. Although no clear evidence has implicated the use of master keys, Dr. Wilts is concerned. His objective in creating the present lock system was to protect the over two million dollars worth of equipment in the labs.

"The lock is supposed to provide security for the offices and labs. If it doesn't, then it fails as a lock." With that in mind, Dr. Wilts examined many different lock systems for Steele, Sargent, whose locks adorn the buildings on campus, offered their "unpickable," hard-to-duplicate Keko lock, for which Dr. Wilts and a student promptly manufactured master keys with a file and a drill.

After a while, he came upon the "Medeco" lock whose unique characteristic renders it virtually impossible to pick and difficult to make master keys for. Last year, however, a student gave a presentation in Engineering 10 in which he showed how to make masters for Medeco locks, and Dr. Wilts alleges this was done "slyly to allow students to have access to rooms which, under the Honor System, they would never need to enter." According to Dr. Wilts, three of these masters may have been created and may still be in circulation, endangering the security of the research labs.

If the masters are lost or stolen, outsiders who find them may know their use, because of their distinctive shape, and rob labs, Dr. Wilts notes. Therefore, the BOC and the Dean of Students have given him little help in accounting for the masters or even outlawing their possession, so now he is letting the issue gather dust, for the alternative is to re-key the entire building—certainly an unpleasant task.

Olive Walk Journal

By Helene Schember

The Student Investment Fund is now midway through its second year of existence. The summer has been a productive one for the Board with the value of the fund increasing from $65,500 in early June to $84,000 in mid-October. The most impressive gains were made in high-technology stocks with both Tandem Computers and Computer more than doubling in value.

With the election close at hand, the Board sees the short-term direction of the stock market as uncertain. This view has led to the sale of our riskier high-technology stocks, especially those which grew appreciably during the summer. At the last meeting of the Board, the suggestion "Let's sell half and when we see which way it goes, we can buy it back or sell the rest," was frequently made and just as often acted upon. The result was that the Board moved from a position of 55 stock, 45% cash equivalent to 46% stock, 60% cash equivalents. The remaining stock is diverse but solid companies like Exxon, AT&T, Northrop and GE with a small portion in the speculative growth stocks AMD and Western Digital. As the market firms up, the Board plans to use its highly liquid position to take advantage of the new direction the market takes.

The Board would like to thank those people that have been attending our meetings for their participation and would like to invite any interested people to attend our future meetings. The next meeting will be Monday, November 17 at 7:30 in the Trustees' Room next to Millikan. Dr. Quirk of the Economics department has been invited to speak then on an asset valuation and its relation to stock price.
EDITORIAL

When considering the academic nature of Caltech, we are forced to consider the efficiency of the learning process here given the many time constraints and eccentricities students are faced with. At last year's student/faculty conference, there was a general consensus among both students and faculty members that undergraduates are subject to a veritable "firehose" of information and ideas, all of which must be assimilated in order for them to do well. Yet, unless we perceive our association as weaselly T.A.'s continue to relish in the meticulous deflation of homework sets, and some of the core curriculum still seems pointless. The more we think about the academic problems here, the more we fear we seem to turn up, but curiously enough, the average student at Tech is hard-pressed to arrive at viable solutions to the problems.

The truth in this situation is that the academic climate at Caltech is static. It is Caltech's nature to be demanding. Despite recent cosmetic changes in the physics curriculum and the plethora of ombudsmen in the various divisions, the present state of mind of Techers in regards to their classes in no different than that of Techers fifty years ago (a continuous thread of discontent can be read in past editorials and comments from The Tech). Caltech is a constant; what can be variable are our personal perceptions of this place.

All of our perceptions are what we experience. The impressions our minds take are dynamic entities and as such, they manifest themselves in all modes of our behavior. As a result of very subtle body language and other extraneous communication, we transmit these perceptions to our associated peers. What begins as one isolated impression in an individual can soon reflect in a large number of people, unless we check its spread. Thus we can see that when a student has, for instance, a negative impression of a professor, he will unconsciously transmit this impression to his peers, and their impressions will be channeled to the professor, who begins to act negatively in accordance to his perception. The degree to which this occurs depends only on the strength of the original impression.

If the mind conjures an image of failure and does not immediately destroy it, the impression will be transmitted to other minds, and the net result will be that the initiator of this perception will experience personal failure in all courses. We undergo defeats in school and operate under unpleasant emotions, we will almost always seek the external to explain our tamper. The irony is that our troubles spring solely from our impression of our world. As the Sufi master, Inayat Khan, so elegantly phrased it, "The mind is its question, and it is itself its answer. Thus miseries are attracted especially by those who fear miseries; disappointment is brought about by those who expect disappointment, failure is caused by holding the impression of failure.

Just as we can induce the negative through all of this, the artwork has grown immesue. The artist and I appreciate the integrity, spirit, and effort of the very special individuals who held righted Horizontal Pillar. Thank you.

Michael H. Smith
Director, Baxter Art Gallery

Pillars of Virtue

To the Editors:

I am very grateful to the group of students who on 21 October 1987 participated in the restoration of Jud Finé's sculpture, *Horizontal Pillar*. The sculpture was originally installed in September by the artist on the Court of Mankind.

On the weekend of 12 October, a group, without authorization, removed the sculpture and placed it between Dahney Hall and Gates Building. Though the authorities came to remove the piece, it was not destroyed. The artwork was damaged.

The sculpture was specifically built for the Court of Mankind which contributed essential aesthetic and intellectual information. Nevertheless, the artist was willing to compromise and to accept the imposed location so long as the sculpture was installed according to his specifications, involving a realignment on the site and a restructuring so that the pillar was straight and horizontal.

When those who were responsible for the removal of the sculpture from the Court of Mankind refused to complete the action they instigated, a group of students erected the sculpture immediately and volunteered to restore the artwork. Unfortunately, before the work could be begun, someone attempted to burn the pillar, and because of his actions, half of the sculpture's height had to be cut off. Still through all of this, the artwork has grown immemor. The artist and I appreciate the integrity, spirit, and effort of the very special individuals who held righted Horizontal Pillar. Thank you.

Michael H. Smith
Director, Baxter Art Gallery

Mellow Out

To the Editors:

C'mon now. What's all the stir about the article by Chuck Nichols (10 Oct.) and the heated reply it evoked? I rather enjoyed this article; it was a marvelous piece of satire which I know for a fact wasn't totally boring. It seems that a any subtle attempts at humor, however, generally providing they might be produce immediate outliers of sex, immaturity, etc., etc. etc. In fact, I am rather of fended that an outraged reader (outraged??) has such a low opinion of the men (and maybe the women, too?) of Caltech that she thinks we need morals spelled out in words of one syllable. If the publications in the Tech were taken with a grain of salt, sometimes even a handful, I believe far fewer people would walk around feeling as if they had been personally stepped on. (Of course, then the editors wouldn't have anything to print...) Don't take everything so seriously. Give us a break.

P.S.: Chuck—your advice on slipping was really excellent. Thanks!

THE CALTECH Y · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · · •
That Who does she think she is? Here she comes. She Our intents the "Gift Tragedy." It is to receive. However, the utmost shall be done to make it more pleasurable to give than to receive.

Aldine Bembo
(A fiction by Alan Loh with two faces)

Have you seen her, Mama? That's her. The new one, she's a stylish type. Face, hair, and eyes, not like your average Bembo, I think. Her name's Aldine. Here she comes. Let's give her a smile. Surely, she sees... Our intents so transparent. She looked away. Mama! But, you struck out again. Well, a cold one, isn't she? That Aldine Bembo. Who does she think she is?

Sin,
The time approaches for the fulfillment of past pledges. The moment but await's your convenience. To ask or to give is to receive. However, the utmost shall be done to make it more pleasurable to give than to receive.

"Oh, well I'm the Lone Ranger and he's the CATHEDRAL EXTERNALIZATION OF THE OBSESSION OF THE DEATH-INNOCENT BY THE LIBIDO."

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Pig's Bile
1 lb. Korean Tofu
1 qt. V-8 juice
2 lbs. Black Molasses
1 tsp. Almond Bitters
1 cup Dishwater
Quick fry the tofu for one minute and stir in the molasses. Add this mixture to a blender with juice, water, and bitters, and puree. Pour over ice.

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In seeking out an improved method for the isolation of 14C-labeled xenon from frozen argon, a minor impurity detected by Caltech professor Aaron Waterman in gas/liquid chromatography. This significance has been reported to the Journal of the American Chemical Society. Waterman's discovery involves the first confirmed isolation of an air-borne steroid in the history of science. Structural analysis, reports Waterman, reveals a strong resemblance between the new hormone, which he calls lemiolene, and the female hormone androsterone. Further investigation over a one-year period indicated that the concentration of the hormone in air varies considerably from sample to sample, with a relative maximum occurring in the early fall. With this data on hand, Waterman and his colleagues launched a $17,341 investigation to determine the source of the mysterious impurity.

Waterman successfully synthesized the new steroid from estrone, and studied its properties. He chartered its ability to act as "a non-toxic goey-off-white fluid with a slippery feel." Tests on rabbits, however, showed no change in the behavior or physiology of the subjects. The hormone showed very high volatility for a steroid, however, suggesting a hypothesis that the airborne environment provided a vector for a previously unknown human hormone, perhaps even that the first of a class of "social hormones" had been found.

Dr. Waterman next tested twelve Caltech student volunteers, ten males and ten females, with varying concentrations of air-borne lemiolene. Only small, possibly insignificant results were observed in the study. At this point, Waterman returned to his laboratory with samples of air from Los Angeles. Samples from the Los Angeles lemiolene appeared in any other samples, leading him to conclude that the source was somewhere in Los Angeles.

All the time this research was in progress, the researchers had been complaining that their home lives were not what they could be. In discussing this seemingly insignificant facet in the coffee room one afternoon, it was suggested that perhaps this could be due to some subtle influence of the baffling steroid. After convincing themselves of the validity of this hypothesis, the researchers guessed the true origin of the hormone. It was being generated right there at Caltech, and the female members of the Caltech community tested earlier had already been under the effect of lemiolene when tested. Follow-up studies showed that female volunteers from outside the Caltech area became surly and moody when they inhaled even small concentrations in air.

Once he had established the effects of lemiolene, Dr. Waterman turned his attention toward finding the source of the steroid. He began a campus-wide investigation and mapped concentration against time for several hundred locations. At last it became clear that neither the females on campus nor the male students were the source, as had been suspected, but merely the victims. At one point, a group of students noticed lemiolene was detected spreading over the west end of campus, and concentrated his efforts at the calculated point of origin. His diligence paid off. A week later, a second event occurred. He traced the origin to the fume hood vents of a certain lab in the Beckman Behavioral Biology Building. Professor X working in that laboratory has been questioned by the Faculty Committee for Offensive and Decency. Under threat of revocation of his honor, Professor X claimed to be using the hormone, which he had developed with several other social scientists. Several entanglements involving members of his party predominated towards a research group. He claimed he hadn't realized the incredible potency of the hormone, and had intended to affect other members of the campus community. A grand jury of faculty members has been formed to determine whether the plot actually involved a conspiracy to prevent male and female graduate students from allowing their private life to interfere with the progress of science.

In a recent news release it was revealed that Professor X has sold sole rights to the manufacture of lemiolene to an undisclosed drug firm in Switzerland. Plans include marketing the hormone as an air freshener for women's locker rooms, feminist meetings, and third world countries. Meanwhile, undergraduates at Caltech began a campaign to馋 the Institute for damages to student morale, and to interfere with their honorable pursuit of happiness. Further details will be printed as they become available.

—Chuck Nichols

For those Xerox users who sometimes forget to read the directions for payment which are posted above the Xerox machine, here is a story which might help you remember.

The once upon a time, in a Y office far, far away, there was a nocturnal spirit by the name of Chuck Xerox. As a recent class Anus student, the caretaker of a Xerox machine, life was hunky-dory while the Xerox machine was in good health. Chuck realized the incredible potency of the Xerox machine and had not in the least considered the possibility that it might help you remember.

However, the disciples of Xerox began to get lazy and irritable. They found the machine hard to read at night or on the weekends. The machine was practically useless.

The disciples of Xerox realized that the machine was important, so they decided to isolate themselves from the problems faced by hungry people.

The production and resale of military weapons also affects the culture of a country to some extent. Money and resources used for the purchase or production of military weapons are diverted from the production of food and other materials available for meeting the basic needs of the population. The diversion of funds from food to weapons has disastrous effects. The United States alone has sold over twenty-five billion dollars worth of arms to various nations in the past ten years.

Chuck Xerox, however, is not alone. His other use, used by the powerful rich of these nations to keep the poor in line, was the source of the arms reform which would help the poor.

Mr. Nelson also indicted the advanced countries, particularly the United States, for having a cultural attitude toward poverty in their foreign policy. In the past, the United States has in many cases supported policies that are not only the rich elite of poor nations, but also work against the benefit of the developing U.S.-owned food corporations. When the United States in its official capacity spent billions of the rich, preventing the land reforms the poor people of the countries needed.

Another trend in the foreign policy of the United States is that of intervention in Latin America. Mr. Nelson is the open acknowledgement by military that the United States is using food as a weapon. The United States has been exporting food to countries, not only the rich elite of poor nations, but also work against the benefit of the developing U.S.-owned food corporations. When the United States in its official capacity spent billions of the rich, preventing the land reforms the poor people of the countries needed.

All tickets for the Sunday Nov. 9 Beckman Auditorium panel discussion, "Saturn and the Mind of Man," have been distributed. Fortunately, KCLS, Channel 58, will televise the symposium live at 4:30 p.m. Additionally, arrangements have been made with JPL to back-feed the Channel 58 program into the Institute's close-circuit television system, thus making the discussion available for viewing at the following places:

Ramo Auditorium
Winnett Lounge
Athenaenum Lounge
115 Kerckhoff
Millikan Board Room
199 Kerckhoff
248 Lauritsen

In addition, Bruce Murray will be hosting a panel in early January under the auspices of the Caltech Y, at which time the videotape of "Saturn and the Mind of Man" will be shown, along with a discussion of the recent discoveries made by the Voyager spacecraft.

By James Mayhem

Jack Nelson, author of Hunger for Justice, held a noon discussion recently on the problem of world hunger. During his discussion, entitled Bread not Bombs, Nelson showed concern over the army on food and the exploitation of the billion people who are starving today. He presented his world hunger problem is the result of certain trends in the international exchange markets and in the military and foreign policy decisions of advanced nations.

The trend in international trade today is that goods and services flow and are produced for those who are not in the market. As a result, many underdeveloped nations produce goods for export and find themselves in a losing situation at home. This problem is especially serious in the area of agriculture, where most poor nations, a small portion of the population (three or four percent) continue to produce foods for the rest of the world. These fortunate few have developed crops to produce foods such as rice and coffee, etc., instead of basic foodstuffs because the rest can be sold abroad at a large profit. It is true that the majority of the land reforms undertaken provides funds for development, but it is also true that the benefits of these reforms accrue to the rich elite rather than the country as a whole. This problem is in the hands of those who have not been able to isolate themselves from the problems faced by hungry people.

Dr. Winnett, a director of the Xerox User's Association, has sold exclusive rights for the Xerox machine in large, easy-to-read form when you use the Xerox machine. Don't let Lulu take Xerox away from the true, obedient disciples.

The Dread Lulu Warns Xerox Users

by James Mayhem

Tuesday, November 18th, could be the day you begin fulfilling your professional ambitions. If you're about to graduate with a degree in the physical science of Mathematics or Physics, you owe it to yourself to attend the popular College Job Fair here on campus, Nov. 18th. It could prove to be the beginning of a career that will last a lifetime.

By James Mayhem

by M. L. Goldberger
Dear Mom and Dad:

I haven't written to you before about this because I couldn't believe it myself, but there's been some sort of mistake. Somehow, even through I got on the plane to Los Angeles and followed the directions, I ended up at some other university that calls itself "Caltech." I was originally confused because of all the papers I read and signed for registration that had "California Institute of Technology" headers on the tops; they must have been taken from the campus where I was supposed to go.

It took me a long time to realize the mistake; first, the workload wasn't quite as tough as it was represented to me, though I attributed this to the fact that it was only the first part of the term. Still, I spent all my free time up in my room studying Phy 1 assignments and doing extra problems (sometimes I made up my own). It wasn't till I got some graded assignments back that people started calling me a "cutthroat," whatever that may be.

However, about a week ago, having already taken all my midterms and having run out of papers to write, I happened to walk through the student house corridors (they are called "alleys") and stop to look into some of the rooms as I passed by. It was then that the first real suspicion of something wrong hit me: no one was studying! There were about five people in a room, only they didn't have any books with them and they weren't talking about our calculus class. They were just sitting around, talking about anything that popped into their heads; some of them had some funny plastic bag which they were breathing into and passing around.

Needless to say, I was bewildered. I knocked gently on the open door and asked them if they needed any blue books.

After putting on some dry clothes I started looking around more carefully. I dug up a copy of the student paper; it had articles about parties and bonfires and all sorts of crazy stunts. Why, they even had a rock and roll concert blaring out over the campus; it was so loud that even with the door closed I could discern the seventh-harmonics of the strung instruments they were playing. (Incidentally, I noticed that nearly everyone has a stereo here; one night I was taking a test and noticed the walls oscillating at 1.4 cycles per second. I thought it was one of those pranks that Mom told me to look out for when I flew out here.)

I finally realized that this campus, whatever it really is, can't possibly be the quiet, sedate institution of learning that everyone knows it is. Somehow, I have ended up at a place where serious, studious people aren't appreciated at full face value; not only that, but undoubtedly I will be far behind everyone at California Institute of Technology, since I haven't done any studying.

Could you please send me a feature: PS Audio That NAD again? The only thing that could have gone wrong is when I entered the bus route from the airport that minimized the nighttime portion of my flight.

The longer I stay here, the more I'll get behind in the rest of the term, and if that goes on too long I won't be able to graduate in three years as I had planned to.

I'll write to you soon. Meanwhile, I intend to talk to some of the students here and find out where this place really is.

J.R.

P.S. — someone just handed me a funny shaped thing that is burning on one end and smells vaguely like alfalfa. Do you know what it might be?

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Classical Flutist to Grace the Quad

Today's noon concert will feature Jean Goodlow, a classical flutist and recent graduate of Cal State L.A., with a B.M. degree in Performance. She has performed with the Pasadena Chamber Symphony, and various opera orchestras in the area, as principal flutist, and has taught classical flute for several years. While still in school she has performed as a soloist with the L.A. Women's Chorus, in concert at the Women's Building, and for the National Conference of the National Organization for Women, as well as for numerous private or charitable events.

Ms. Goodlow's repertoire includes a wide range of traditional and classical music in addition to the contemporary. She has spent the last two years doing research to find flute pieces written by women composers, and is in the process of recording an album of music by women composers, which will be released within a year.

Anisa Angarola is providing the accompaniment for the concert at Caltech. She is a classical guitarist presently teaching at El Camino College and is a student of Pepe Romero.

Classical Flutist Jean Goodlow will perform classical pieces today at noon on the Caltech Quad.

The Death Mechanic, by A. D. Hutter, is a classic thriller

The Death Mechanic, by A. D. Hutter. Shortly to take her purse. Now he knows her name and address from in her car, and is determined to kill her—the only person who would be able to identify him. Alison is humiliated and treated with indifference by the police, so her only hope is to unite with Keith in finding the killer to end the foreboding threat. Their efforts unite and closed together, and add elements of a tender love story to the thrill of the chase.

The subsequent hunt is perceived from a variety of angles, both major and minor. These are viewpoints biased by the fear of the would-be victim, the emotional dynamics of the novice criminologist, the indifference of the police lieutenant, and the sarcasm of an insecure and lonely caseworker who is just a passing observer. Quite frequently, as the story mounts to a significant event, the reader is peeping into the bedroom of the hunter to that of the hunted. The tension which builds up by the logical deductions of Keith as he gets close to his target melts to pity in the middle of the night, which leaps into the fear and confusion of Henry Yates. The reader gets shivers from the stinks of the novel's major asset is realism. The fog which often obscures the growing of Henry Yates' turns the reader to think about similar events which are occurring somewhere outside of the limited reach of our perception. This novel is not a brute-force attempt to thrill the reader. It displays the fineness of good detective work, and then additionally expands on the various roles of Henry Yates. The insight into the mind of a psychopathic killer is vaguely reminiscent of Raskolnikov in Crime and Punishment, and the impact of this parallel is quite strong. A. D. Hutter is a practicing psychoanalyst and a professor of English at UCLA. Hutter sees the detective novel as an important influence on modern writers from Dostoevsky to Christie. The Death Mechanic has been a lesson in the art of depicting a mind of a madman. It was for writing it he was forced to try to place himself in the shoes of the criminal, and to think like a psychopath. The novel also provides a lesson to the reader to be careful of his communications, our awareness of the real world, and its insights teach a something about the awesomeness of the human mind.

Friday, November 7, 1980

Death Mechanic is a Classic Thriller
Horizonal Pillar Reoriented at Last

By Leslie Grate

The Horizontal Pillar has caused much friction and concern among members of the Caltech community, leading to its removal by a group of students. Their protest has sparked an exchange of words between the art department and the students, but it also raises a question. How can opposing views on the placement of such art be heard before final authorization of its placement is given?

The present art exhibit, of which the Horizontal Pillar is a part, has been in planning for two years. During this time the Art Gallery Director, Mr. Smith claims he followed the proper authorization procedures as spelled out at the time.

Mr. Smith states, "The procedure was to go through the art department division channels to let the department know what was planned. It was then taken to Physical Plant to see if the chosen spot (Court of Man and the campus) was acceptable to the administration. From there it came back to the division chairman and the campus provost for approval. Throughout the planning there were no decided objections, no notice given to the students as to what was proposed. Consequently, there was no way for them to let their views be known before construction began. When the Rudder House president came to me with the student views, I told him I had made the proper channels and that it was too late to change the pillar's construction.

"I agree with the students in that their complaints should be heard, but the problem is that there is no set authorization system exists. It was to get them to try to make sure they would react to it, but at present there is none and a situation like The Horizontal Pillar could happen again."

By Charles W. Hershey

The story of the movement of the Horizontal Pillar from the Court of Man seems to be complete. The artwork has been repaired and installed in its new location to the artist's satisfaction.

Almost four weeks ago, the artwork, Horizontal Pillar, by Jud Fine was moved by a group of students from its location on the Court of Man to a smaller grass area near Gates and Dabney Hall. The artist, though not pleased with the development, announced that he would be satisfied with the new location if the piece was adjusted to his specifications.

Approximately three weeks ago, another group of students burned part of the pillar on one end.

In order to preserve the Caltech intellectual environment as one in which new and varied ideas can be freely expressed, several students volunteered to help repair and install Horizontal Pillar in its new location.

On Monday, October 20, Jud Fine inspected the artwork and its new surroundings to determine what changes would have to be made.

During a few hours each afternoon of the 21st and 22nd, the pillar was adjusted according to Jud Fine's directions. A piece thirty feet in length was removed from the charred end of the pillar. Some of the wooden support under the pillar was rebuilt to accomodate the different slope of the ground in its new location, and the pillar was realigned along a new diagonal. The work was completed by a dozen or so students working off and on under the supervision of Baxter Art Gallery personnel.

On Friday, October 24th, Jud Fine inspected the piece and approved of its final condition, saying that he was very pleased with the work done by the students.

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Good biological equilibrium (e.g. Durrell. He states this should in background. He saw three Gerald Durrell World Animal keeping. ction but should actively That man's shouldation environment was the first Leakey lecture of the season by Gerald Durrell. He states this should be done for maintenance of medical purposes (the near-extinct armadillo was recently studied and some material was found that could help alleviate leprosy and cancer), or any hidden 'reasons that we might not know about for some years.

Gerald Durrell's background is very important in understanding his positions. He grew up on Corfu (a Greek island) and formed a deep appreciation for animal life. He went to study at a zoo near London but was appalled at the techniques and attitudes he saw there. His profession became that of an animal capturer for zoos. He explained many of the techniques and incidents that occurred on his three expeditions to the tropics,

but when he later returned there, he noticed animals that once were abundant were being threatened by civilization in some manner. Knowing that very little was being done to save the animals and the habitations area, he founded the Jersey Wildlife Preservation Trust.

On the Preserve there are about 700 species of nearly extinct animals. Durrell and his staff try to increase the population size of each species by studying the wildlife nutrition and reproductive strategies of each. Once an animal is declared near-extinct, a collection is raised to capture it. Care must be taken in getting a balanced population and a large enough gene pool. The animals are then subjected to an extensive quarantine so that disease does not enter the preserve. The animals are then acclimated to the weather by letting them choose a simulated natural habitat or the real natural surroundings. It is Durrell's hope that after a few years of studying, he will be able to return the animals to their natural habitat.

Tightly nestled twist Dabney and Gates, Jud Fine's Horizontal Pillar once again exposes the trials of Western Civilization.
Relativity a Bust?
(or “Feed Him to the Den of Physicists”)

To the Editor:

On 23 February 1979 the California Tech published a letter of mine that unsuccess­fully defended the free expression of minority views, especially of alternatives to relativity and to evolution. Many “heretics” had complained earlier about the ill treatment they received when presenting important (i.e., revolutionary) ideas. I found a good example of this in the October 1978 issue of Wireless World, pp. 44-45. But accepted theories are still beyond con­tention in American classrooms and research journals.

Wouldn’t our college pro­fessors be far more productive if they taught modern science less as a religious dogma and more as a human activity which students can later revise? High schools might then be less inclined to drop courses in subjects where individual participation, alias democracy, is now prohibited by elitism and by authoritarianism. History tells me that science itself always did much better without group thinking under administrators, or their gross duplication of efforts and overflow of journal trivia.

The latest and most interesting response to my letter came just last week from a physics major at Caltech (Paul Godart, currently residing in San Marino). He called long distance to inquire about the International Relativity Reassessment Committee and to request additional information for you. The following material is difficult, if not impossible, to publish elsewhere.

1. Three of our members have developed scientific apparatus to measure absolute motion. After securing a regulated light bulb between two photocells that had been set about 30 cm apart in a closed tube, and after coupling the cells in opposition and to a micro­am­meter, Raphael de Palma and Edward DeVers of Penn­sylvania. They made small objects a) rise higher, b) fall faster, c) rebound less, and d) retard nearby clocks more, by spanning them. Their effects have been repeated elsewhere but are still ignored.

3. Your readers accepted my claim that modern relativists misinterpret Fizeau’s experiment. Briefly, Einstein had invoked Poincaré’s principle of relativity “to take for granted” [sic] that the velocity of light from a stationary source was the same with respect to flowing water (his italics) as Fizeau had measured earlier relative to motionless water. This argument is widely repeated. However, because Fizeau had accelerated the water from rest to another frame of reference, his light was Doppler-shifted to a different frequency for which the water has a different index of refraction. Had Einstein calculated this Doppler shift and then applied it to the coefficient of dispersion for water, he would have found the true velocity of the light relative to the flowing water.

The Fizeau experiment is extremely important. Its data can be used to evaluate one space-time event from two different inertial frames of reference. Such logic strikes at the very heart of special relativity. Arthur Otis first discussed this point on pp. 59-70 of his book Light Velocity and Relativity (3rd ed.), in fact his color and, thus, the velocity of light from a stationary source must change relative to all material media that are set in motion at “relativistic” speeds (for which special relativity was supposed to hold good).

Now I would like to show you how significant my de­fense is: Einstein was not the first physicist to make a mistake. Like a Bloom, Fizeau had once argued that the electromagnetic forces on light (e.g., in a transparent liquid and on charged particles) are independent of relative motion; or, more precisely, that sur­faces are applicable instantaneously. J. J. Thomson and Lorentz likewise postulated variations in mass with veloc­ity equivalent to constant form with velocity in Newton’s law of ac­celeration, F = ma (Experiments apparently tell them only that acceleration varies with velocity.) But even before the Fizeau experiment, Faraday had established as fact that the EMF he and Henry first induced in a conductor of electricity depends on the speed and direction at which lines of magnetic flux are cut by the conductor!

Moreover, by arbitrarily having mass vary with velocity while charge remains constant Thomson, Lorentz, and Einstein ignored the remark­able similarity between the continuing on page 9

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Relativity

from eight
simplicity of Newton's law of gravitation and Coulomb's law of
electrostatics and magnetism. Lorentz and
Einstein compounded this problem with disunited fields
when they stipulated different longitudinal and transverse
masses for any moving body—even though mass is still
defined as a scalar quantity!

A much better way to retain
Newton's second law of motion
would be to classically reset
every mass constant (i.e.,
independent of velocity) and
after, instead, let each field force
be the true vector quantity,
that varies directly with the
speed and direction of its
object. Using terms defined in
the caption to Fig. 2, we have
F = F 0 / (1 - v 2 / c 2)
and F = F 0 / (1 - v 2 / c 2) cos[n/2] (c/2),
where F 0 is the force expected
on a body whose velocity v is
zero. Here the magnitude of a
force is proportional to the
relative velocity of approach
between waves (a property of
fields rather than of matter)
and whatever obstructs them.
Since fields are now known to
transport energy at the finite
speed of light, experimental
physicists should further
investigate this dependence of
the magnitude and application
time of every force, including
the mysterious nuclear forces,
on the velocity of an object.

For instance, Equation 1
above reduces to:
F = F 0 / (1 - v 2 / c 2)
if charged particles in a 90°
electric or magnetic field
(where v<2 radians),
Faraday's work readily
shows that Equation 2
has considerable experimental
preference over Einstein's
arbitrary "equivalent",

m = m 0 / (1 - v 2 / c 2) 1/2,
a formula by which light must
can be related
within himself to
mass less. Besides,
only Equation 1 can be related
to macroscopic disturbances in
material media. Dynamics
should therefore be
formulated.

Sincerely yours,

Joseph A. Gilbert

Fig. 2. A "relativistic" force varies in magnitude only. Given the velocity v of a particle p and its angle θ of incidence at the front of aether field waves traveling horizontally, we find the "relativistic" force [F] by the sine law along which a Huygen's principle secondary wavelets
passes across p, and its component velocity (v cosθ/c) by the position law which is left to effec
tional effect on a perpenticular
to their common

Campus Paperback Bestsellers

1. Shogun, by James Clavell. (Dell, $3.50.) Englishman's 
adventures in 16th-century Japan: fiction.
2. Sophie's Choice, by William Styron. (Bantam, $3.50.)

Star-crossed lovers and the nature of evil: fiction.
3. Still Life with Woodpecker, by Tom Robbins. (Bantam, $6.95.)

A sort of a love story: fiction.
4. The Dead Zone, by Stephen King. (NAL/Signet, $3.50.)

Terror tale of a man who sees into the future: fiction.
5. Godel, Escher, Bach, by Douglas R. Hofstadter. (Vin-

tage, $8.95.) Computer scientist's theory of reality.
6. Shibumi, by Trevanian. (Ballantine, $2.95.)

Intrigues of the greatest assassin and perfect lover: fiction.
7. Memories of Another Gay, by Harold Robbins. (Pocket, $3.50.)

Saga of American movement: fiction.
8. A Woman of Substance, by Barbara Taylor Bradford. (Avon, $2.95.)

Successful woman & her children: fiction.
9. Texas, by Dana F. Ross. (Bantam, $2.75.)

Life in Texas prior to statehood: fiction.
10. Petals on the Wind, by V.C. Andrews. (Pocket, $2.75.)

Children take revenge in horror sequel: fiction.

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The Chronicle of Higher Education

Compiled by The Chronicle of Higher Education from information supplied by college stores throughout the country. November 5, 1980.
Women's V-Ball Against the Net

By Lisa Grenier
The Caltech Women's Volleyball team was defeated by the Pomona J.V. team last Saturday. The teams were well-matched and the lead seesawed throughout the first game, which Caltech eventually won, 15-10. Caltech started out strong in the second game, but was narrowly edged, 16-14.

Norma Osfuntan and Sandra Loh contributed points and a sense of stability to the team, and Sue Fuhs had Pomona at their knees as she nabbed several aces. It looked like nothing could stop Caltech. Unfortunately, the volleyball team's major weakness was especially glaring Saturday, as server after server hit the ball into the net or out of the court. Once the team solves this problem the victories should begin piling up.

Cross Country Team Runs the Annual SCIAC Championship

By Gordo
Caltech's Cross Country team was in the annual SCIAC Championship meet recently, held this year at LaVerne's home course. In the Men's Varsity race, Caltech placed sixth among the seven schools. Although the team as a whole did poorly in comparison with past teams, the individual runners did quite well in general. Karl Claueding led the way once again with 16th place overall, perhaps a bit further out than he would have run had he not pushed so hard in the tough middle half of the course. Second for Tech, and 29th overall, was Eric Korevaar, who ran as steady a race as ever. The big surprise for Tech came at third place, which Rob Murphy took. This was the first time Rob had ever even run among the top seven and in all ways an excellent race for him (he finished 34th).

Shawn Larsen came next, fourth for Tech and 41st overall. Shawn has easily been Caltech's most consistent and improved runner this year. Paul Eskridge was fifth, running a strong race; in 39th place, his time was faster by more than a mile than it had been the week before on Whittier's fast course. Sixth and seventh were essentially split in a dogfight finish between Randy Field and Jim Drake, who pushed back LaVerne, finishing 40th and 41st, Rob Murphy, Jim Drake, Shawn Larsen, and Paul Eskridge all turned in excellent personal performances, as did Eugene Hu in the JV race, but the depth of previous years was gone, leading to our sixth place finish.

In the Women's race Caltech only had two runners, and thus did not score officially, but both runners still had strong races. Karen Close finished 12th overall, within one second of her nearest competitor, whom she just missed trying to sprint down at the finish. Carlotta Paulsen ran 21st overall, again only 3 seconds behind the previous finisher. The team now has a tough meet coming up, the NAIA District 3 Championships meet at Biola on November 8th. The winning teams in this meet will go on to run in the NAIA national championship in Kansas City in mid-November. Last year Tech finished 5th in the District, and can't hope to do any better this time, with its much thinner team. It's too cold in Kansas in November, anyway.

SClAC Results
Men
POMONA-PITZER - CLAREMONT-Mudd 2
OCCIDENTAL - WHITTIER - CALTECH - LAVERNE
CLAREMONT-Mudd - OCCIDENTAL - CALTECH - LAVERNE

Women
CLAREMONT-Mudd - POMONA-PITZER - OCCIDENTAL - WHITTIER - REDLANDS
CALTECH 3 runners finish LAVERNE 3 runners finish

See us on campus.
A Digital representative from Central Engineering will be on campus on November 20, 1980 to meet Electrical Engineers.
For additional information, contact Your Placement Office

Swimming Beavers Take a Dive Into Occidental

By Lee Sunderlin
Caltech's water polo team played well against Occidental, but lost in the stretch, 14-7. It was a fair game, with one of the best teams in the nation. Oxy jumped to a 5-1 lead by the end of the first period. Caltech recovered and pulled to within two at 7-5 by halftime. Occidental, however, scored four goals in the next period while holding Tech scoreless; they coasted to victory from there. Caltech took long shots, and very few went in.

Caltech was led by Don Hendricks, who scored four goals in the second period and made many steals. Matt Weer, Dave Huff, and Arley Anderson also contributed points. Goalie Russ Burkhart made 13 saves, and Anderson won three out of four sprints to determine possession of the ball.

Caltech is moving into one of the strongest leagues in the nation. Coach Clinton Dodd believes that his team will be improving greatly as they gain experience, and may make the playoffs. Water polo is a good spectator sport, like soccer but faster, and the team needs support. Only ten people showed up for their last game, so get out there and cheer on Caltech's favorite water polo team.

In the Women's event, Caltech also played Occidental and thus did not score officially, but both runners still had strong races. Karen Close finished 12th overall, within one second of her nearest competitor, whom she just missed trying to sprint down at the finish. Carlotta Paulsen ran 21st overall, again only 3 seconds behind the previous finisher. The team now has a tough meet coming up, the NAIA District 3 Championships meet at Biola on November 8th. The winning teams in this meet will go on to run in the NAIA national championship in Kansas City in mid-November. Last year Tech finished 5th in the District, and can't hope to do any better this time, with its much thinner team. It's too cold in Kansas in November, anyway.

SClAC Results
Men
POMONA-PITZER - CLAREMONT-Mudd - OCCIDENTAL - WHITTIER - CALTECH - LAVERNE
CLAREMONT-Mudd - OCCIDENTAL - CALTECH - LAVERNE

Women
CLAREMONT-Mudd - POMONA-PITZER - OCCIDENTAL - WHITTIER - REDLANDS
CALTECH 3 runners finish LAVERNE 3 runners finish

The scoring is determined by the sum of the positions of the first five finishers for each team, low score winning. Thus, the Pomona-Pitzer Men's score of 23 was achieved by the first five runners finishing 2nd, 3rd, 5th, 6th, and 7th overall.
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Contact the Students Not Further a video tape of the November 9 giving a presentation on the Room 8, Dabney information and transmission from eleven scholarships vary in the Voyager Voyager will be sponsored by the Engineering Women Engineers has announced that they are accepting applications for eleen scholarships varying in amount from $200 to $1750. Applications and supportive material must be postmarked no later than February 1, 1981. Recipients will be notified approximately May 1, 1981. For further information, please contact the Placement Office, Room 8, Dabney Hall.

Students Not Forgotten
Dr. Bruce Murray will be giving a presentation on the Voyager's contribution to the students of Caltech. The event will be sponsored by the California Tech Engineering Women. It is scheduled for sometime at the beginning of January. Dr. Murray will show a video tape of the November 9 panel discussion, "Saturn and the Mind of Man." He will also be presenting up-to-date information and transmissions from Voyager 1 and 2. Look for a announcement of the program!

Amnesty
from nine more, the articles were published in Izvestia and Pravda, so that people knew what was in them. Men and women came from all over to the well-organized, hardworking Helsinki watch group to report rights violations in the USSR.

By now you've figured out why the Helsinki monitors are being imprisoned. The arrests began in February 1977, with Orlov and Alexander Ginzburg being among those charged. In the months following, 19 of about 50 monitors were arrested, charged with "anti-Soviet agitation and propaganda" and other charges such as "hoaxing" and "resisting a policeman." Not an honest burglar or extortionist in the bunch.

Well, fine, you say, but why is this article printed in The California Tech? What's it got to do with celebratory bonfires or Murray's voting preferences? The article is here because the Pasadena chapter of Amnesty International, which consists largely of Caltech-associated people, wanted to draw this matter to your attention for one reason or another of some of these people who have been imprisoned (Orlov, Sakhrova) are scientists—not that should matter. More importantly, there is something you can do about this.

Right about now, the Helsinki Review Conference is taking place in Madrid. It's a good time to bring whatever pressure we can to bear upon the USSR. If one out of four of you who read this would write a short note to one of the addresses given below (postage is $1), it would be impressive. It will be noticed. Urges that the imprisoned and exiled Helsinki watch group members be released in honor of the Madrid conference. And mention the Soviet Union's signing of the Helsinki Final Act, which includes the statement: "The participating states will respect human rights and fundamental freedoms, including freedom of thought, conscience, religion or belief... They confirm the right of the individual to know and act upon his rights and duties in this field." (USSR Procurator-General)

Learn CPR
CPR—cardio-pulmonary resuscitation, provides artificial circulation and breathing to a person whose heart and lungs have stopped functioning because of a heart attack, shock, drowning, or other cause. The Student Health Center is offering CPR classes this year to students, staff and faculty. As a certified Red Cross instructor, Lynnette Wilmeth, R.N., will be teaching classes throughout the year. The classes will be held at the Health Center lounge and consist of 8 hours of instruction, discussion, demonstration and practice. The next class is scheduled for Tuesday, Nov. 18th and Thursday, Nov. 20th from 6 to 9 p.m. both nights. Class fill rapidly, therefore, if interested, contact Lynnette Wilmeth, R.N., x293. The cost is $3.25. Watch the Tech for future class schedules.

Gay Discussion Group
There will be a meeting of the Gay Discussion Group tonight in Clubroom 2 at 7 p.m.

Praise Hymn
from four

Lost
4" by 6" gray plastic card file box, in Winnett Center. If found, please contact Russell Schmalenberger, mail code J-60 (Blacker) or phone 456-9208.

Axe Maties
The Chess Club is currently holding meetings Monday nights at 7:30 p.m. in Winnett Clubroom 1. For further information contact Bob Scheid, x1545.

New Buildings
from one

Bread 'n Bombs
from four

is thus in a position to begin dictating policy to the nations if it so desires. Rather than a problem of Bread vs. Bombs, the situation has changed to one in which bread is again the most powerful bomb.

Mr. Nelson sees only one way to correct the world hunger problem and to reverse the trend of food as a weapon. People in advanced nations talk about the need for changes that would change their attitude concerning the proper use of the world's resources. In Nelson's view, advanced nations must stop searching for high technology processes which would preserve the status of the rich and begin searching for ways to meet the basic needs of everyone. In essence, man must realize that the resources of this world are finite and they should be used to produce goods of most value to everyone, i.e., the basic necessities of life. Mr. Nelson believes that unless such a change in ideology occurs, world-wide war will soon become a reality.

Gerald Durrell
from seven

The team in search of the rabbit enlisted the help of a local family and then proceeded to try various methods of capture. Finally they used dog to find the inhabited tunnel. Then they plugged up the secondary exits and laboriously clogged the tunnel until they found a volcano rabbit. They were allowed 20 rabbits by the Mayor of the town.

Gerald Durrell believes the future of his project lies in his school for training techniques to preserve these animals. He has a school with representatives from 20 countries, and hopes these countries will initiate similar programs within their own countries and species of zoo in their own lands.

OWC
from one

only articles dealing with problems, but they need more people to help write and distribute the newsletter.

The athletic committee report was probably the most relevant to student life. A survey last spring of women who used the athletic facilities indicated these facilities were generally inadequate. When a copy of the survey was sent to President Goldberger, he was reportedly "shocked and dismayed." Improvements such as better lighting, shutting off the urinals, putting in an im­proved dressing room, etc., others have since been put on high priority for B&G. Members of the committee are optimistic that the improvements will be made soon.

Other committee reports include staff options which identifies problems and solutions for the staff, and career development for staff and students.

Closed for Interhouse
The Cookhouse will be closed on Saturday, Nov. 8. We recommend that our regular customers try the Green Elephant Bar & Grill, in Dabney. The Coffeehouse will reopen on Sunday with new items like chocolate chip ice cream, beef and beet burritos, and it is rumored, guacamole.

For Better or Verse
A $1,000 grand prize will be awarded in the Special Poetry Contest Chairman, Joseph Wilmoth, mail code R:N., will be given to the winner of the poetry contest. The contest will be judged by the Caltech poetry faculty. The poems must be on any subject dealing with World of Poetry. A quarterly newsletter for poets. Poems of all styles and on any subject are eligible to compete for the grand prize and any other cash or merchandise awards, totaling over $10,000. Says Contest Chairman, Joseph Melton, "We are encouraging poetic talent of every kind, and expect our contest to produce exciting discoveries." Rules and official entry forms are available from the World of Poetry, 2411 Stockton, Dept. N, Sacramento, California 95817.

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Men-Many