CALTECH BEAVERS BEAT UCSD 34-31
Even a honey UCSD tackle couldn't stop the fearless Burton as he ran up infinite yardage for Caltech.

**V-Day November 9 1968**

Upper: Our first touchdown, by scant inches, kept us ahead or even throughout the game. Notice the position of the goal line and the ball.

Lower: "We Want!!" Amazement and joy were the overwhelming feelings of the Caltech community, but reactions were mixed. Apparently, this techer was simply stunned.

Above: Tech pyros show the rest of the world how it's done.

Below: While playing "Crosswalk" with the boys in blue, Teckers and friends shout "We're No. 1," and "Beat SC."

At the corner of California and Lake, Tech's victory brightens the scene considerably. But shouldn't Coach Gutman be presiding over the victory pyre? After all, even Lee A. showed up.

There were more alarms and excursions when someone phoned in the signal flares on the roof of troop. Those firemen were really on the go!

The Forbes Memorial Flare was set at 1 a.m. Situated at the corner of California and Arden, it cast the light of victory over the new physics complex.

Unfortunately, the sacrilegious Pasadena firemen felt that Forbes' monument was better rendered in wet, smoking ash, and asphalt. And so ended Caltech's victory festivities.

Upper: Neither rain, nor snow, nor sleet, nor surly opposition stopped our couriers from their appointed rounds.

Lower: You're a good man, Coach Gutman!

A minor diversion that failed to divert firemen from the real goal at Caltech and Lake.

The firemen certainly didn't dampen OUR spirits.
Better Late Than Never
Beavers Break Streak; Destroy UCSD 34-31

by Dave Dixon

The Beaver football team won its first game in a long, lean span as they downsed UCSD, 34-31, last Saturday at the University of California at San Diego's adequate but poise and experience as they were able to stop the Tridents on 2 2-yard gains. This was to be their margin of victory as no toucher was able to kick another 4 PATs.

For the first time in many games the Beavers found a team in its class and proved that they can play football. Burton's aerials to Martin picked apart the UCSD secondary as Martin caught 11 of Burton's 14 completions. Pull-back Brennan scrambled through the many holes that the Beaver line opened in the Trident defensive line, for 140 yds. Burton, for his steering performance, was named Southern California college back of the week. He made 135 yds on 24 carries, 22 yds. runng.

The Beavers scored first as Brennan ran over from the two and Burton kicked the extra point. UCSD gained a first down field to score on a reverse hand-off. The Beavers went on the ground to rolled up over 250 yds. against the Beaver line. The Tridents made two field goal attempts on this touchdown. The Beavers fumbled the kickoff which UCSD recovered, and the Tridents used their impetus from this break to score a touchdown. The extra point kick failed.

Burton began connecting with his passes to Martin. They were stalled on their own 25yd. line when Burton tried the bomb. CUIT received a break as Martin was interfered with on the 2. Burton then rushed for the touchdown and kicked the PAT to put CIT down 14-13. UCSD gave the Beavers another break as they fumbled a pass and CIT recovered on the 50. The Beavers had to punt and put CIT down 14-13.

(Continued on page 5)

Was At Tech 40 Years

Albert Tyler, Biologist, Dies

Dr. Albert Tyler, 62, distinguished embryologist and professor of biology at Caltech, died Sunday following a heart attack at his home, 530 Bonita Avenue, Pasadena.

Private services were held Sunday at Los Altos Funeral Home in Pasadena, followed by cremation.

Dr. Tyler, who had been on the Caltech faculty for 40 years, made major contributions in the field of embryology and was active in national and international organizations on planned parenthood, population problems and marine biology.

He studied the "unmasking" of the egg's protein-building machinery by the act of fertilization and at the same time his death was indicating the role of genetic material in the living cell's power-generating system.

Earlier he advanced a theory of cancer as an allergic disease involving the balance of oxygen and carbon dioxide in the metabolism of living cells. He also had done research on parthenogenesis in the marine animal. Dr. Tyler taught many graduate students, published more than 170 scientific papers, and wrote chapters to several books and a book in which he was editor or co-editor of three volumes.

He was a consultant to the National Science Foundation on developmental biology, had served the World Health Organization on scientific committees, and was a member of the National Academy of Sciences panel on population problems. He was a member of many scientific societies and was former president of several, including the Society of General Physiologists.

Awarded Ph.D. Here

Born in Brooklyn, Dr. Tyler graduated from Columbia University with honors and earned a master's degree there. He obtained a Ph.D. from Caltech in 1932.

He had served on the faculties of Caltech, Columbia, UCLA, Marine Biological Laboratory at Woods Hole, Mass., and institutions in Germany and Italy.

He left his wife, Mrs. Betty Tyler; two sons, James, of Coronado Del Mar and Steven, of Santa Barbara; two grandchildren, and two brothers, Dr. Edward Tyler of Brentwood, and Dr. David R. Tyler of Washington, D.C.

Test Car Coming To Tech; And It's Not Electric!

An experimental car designed by Ford will be on display on campus Monday, November 18. Called the Techna, it will be shown from 10 a.m. to 4 p.m. on "Gary Street," (next to Winnett). At eleven o'clock the same day there will be a descriptive film and technical presentation in 308 Firestone.

"The Techna marks the birth of some Ford better ideas of the future," said Harold C. Mac- Donald, Ford vice president - Car Engineering, under whose direction the ears was developed.

NSF Cuts Grants

by Jack Fack

The National Science Foundation has announced a 10 percent cut in the current fiscal year severely jeopardizes the research effort in this nation, asserts Prof. George Hammond, Chairman of the Division of Chemistry and Chemical Engineering. A Congressional economy drive, caused by Vietnam and other defense priorities, has taken a heavy toll of funds previously allocated for scientific research, here and at other academic institutions across the board.

Prof. Hammond's own dilemma is fairly representative of the difficulties facing researchers who had herefore been heavily reliant on NSF support. In 1966-67 he received separate grants from the NSF and the Atomic Energy Commission totaling $60,000. Shortly thereafter he government consolidated the two, for simplicity, into a single annual grant of $42,000.

However, in August 1968 the Institute was informed by the NSF that it would suffer a blanket seventeen percent reduction on grants. Certain of the NSF-dependent projects had already been legally contracted prior to this notice, and to achieve the 17% figure, it became necessary to skim an average of 32% off of the uncomplicated contracted individual budgets, Dr. Hammond was thus left with less than $20,000 with which to finance work for which nearly $31,000 was allocated two years earlier. The Chemical Society Petroleum Research Fund has provided one of the government fellowships, to ease the sting, but matters are still quite grave.

Problem Not Unique

"This sad song and dance of life is not a lot worse than many around campus," stated a worried Dr. Hammond. "There is nothing comparable cause for concern, all Department of Defense contributions."

IMF Captures Campus

Members of the Impossible Missions Force escort a sweet young thing (portrayed by Barbara Bain) out of Millikan Library (portrayed by the Vandaam Research Center). The sweet young thing was saved by the IMF from such terrors as campus security guards ("the lovely left corner") demanding to see her ID in the library after hours. Did the IMF accomplish their mission? Please note this week's football score for an answer. We have learned that any scenes in which Teckers are visible have been eliminated from the film as a result of action by the CBS censor.

by Jim Cooper

Last Wednesday, the Caltech campus was invaded by a film crew from the television show Mission Impossible, ostensibly for the purpose of filming an episode of that series.

According to Haldeman, the production manager for the show, the episode being filmed involves an industrialist by the name known to have built a monument for himself to clear weapons to the highest bidder. Of course he is delaying the operation to clear the main brakes.

The Impossible Mission Force's mission is to stop Vandam and to confiscate the vital parts of the weapons.

Vandam

The action centers around Vandam's personal monument to himself, a magnificent office building, which is located in the midst of his delectable industrial complex. According to Haldeman, Caltech's Michigan Library and the surrounding campus was veered away from a series based on Southern Industries primarily because Hal- deman knew "of no other place in West Coast, California in which the contrast between old and new biology."

Another part of the campus, Firestone Laboratory, was con- verted into a nuclear lab or "Bank," for a scene in the same episode. Also used were the roof of Milli- kun Library and the elevator shaft in Firestone.

The airdate of the episode, which is entitled, "Doomsday," (Continued on page 6)
Communication, Dammit!

For the past few weeks, the BOD and the student body have been at each other's throats. This is not an uncommon state of affairs here but it is unusual to see so much fighting based on so little knowledge. Both sides have acted somewhat foolishly. The BOD has made a grave error in not properly informing the students of what is going on in ASCIT. This includes such items as the plans behind the Research Center and the ASCIT budget. Several board members who feel that the BOD had been trying to communicate with the students, but the fact is that they have not succeeded. The blame for this belongs on both sides. The student body's actions tend to make the BOD act defensively, and hence--in order to communi- cate and forces the student body to squeeze the information out of them. These are facts, regardless of intent.

The student body has acted inconsistently. They have been kept in ignorance by the BOD, but they are attempting to crit- icize specific actions of ASCIT (which they have little or no in- formation about). This is impossible; the student body must be informed before it can criticize effectively, not afterwards. The present actions of the student body have had the effect of threatening the BOD and putting it on the defensive. Such efforts may ultimately force information out of the BOD, but they will never convince the BOD to volunteer info willingly. It should be clear that the campus could function much better if the two factions cooperated.

We hold the position that ASCIT should communicate with the student body. It is not enough to say, "We tried and failed." the responsibility rests with the BOD. We also feel that the student body should give ASCIT a chance to speak without feel- ing threatened. Mutterings of "abolish ASCIT" will not help.

Our suggestions is that both sides make constructive at- tempts to communicate with each other. We request that the student body give ASCIT one month to communicate with them. The student body should not threaten the BOD. At the same time, the BOD should honor ALL requests by the students for information, and should volunteer such information to the stu- dents and houses in the form of newsletters and house-BOD meetings. Both sides should take on active part. If ASCIT can not communicate under these conditions, the students are fully justified in demanding an overhaul of ASCIT.

We support the decision of ASCIT to place the question of ASCIT duties on the ballot, leaving the decision up to the students. But it should be realized that such actions of goodwill are not a replacement for proper information flow. The students should not need to resort to petitions simply to be told what is happening.

Alan Stein
Dave Lewin

Black Films Show Newton, Elevation Plays For Free
by Dave Lewin

If you have never been to the 13th Street Theater yet, then you've been missing out. For those of you who haven't yet discovered the hidden gem of an entertainment source that it is, consider the opportunity to see the films that have been showing at the theater so far this fall. The theater has been screening a variety of films, including classics and independent works. The latest offerings include a screening of "饺子," an experimental film by Chinese filmmaker Zhang Ke.

The theater is open every Tuesday through Sunday, with showtimes at 7:30 PM. Tickets are $10 for adults and $8 for seniors and students with ID. The theater is located at 1234 Street, between 5th and 6th Avenues. For more information, call 555-1234 or visit the theater's website at www.13thstreettheater.com.
The Beavers came alive in the second half, scoring four. Wright scored first on a lob shot. The team played together and divided the scoring up. Beaver Mikowicz scored first on a lob shot. The Beavers relaxed their defense and Oxy scored on a fast break. This quarter was characterized by poor Beaver passing. In the second period, Hunt and Stefanko scored yet Oxy tied the score on two penalty shots to end the half tied up at 3:3.

The Beavers came alive in the second half and held Oxy to one goal, while scoring four. Wright and Hunt scored in the third period while Watkins made two goals. Occidental was badly hurt by the fact that four of its starters were ejected or fouled out. Their only other score came on a penalty shot late in the fourth quarter.

In the game against Claremont-Mudd, the fact that two starters fouled out lost the game for the Beavers. The Beavers outplayed CHM throughout the first half. Mikowicz scored two goals and his fine passing kept the ball out of CHM's hands. Watkins scored a penalty shot. CHM's Durmin, a one-man team, scored two goals, one on a penalty shot to make the score 3:2 at the half.

In the third quarter, the teams traded goals as Tech controlled the game once again. Mikowicz and Watkins fouled out as the fourth quarter began and fresh- man Johnsfield was forced to cover Durmin. Durmin managed to score to tie the game up and then made a penalty shot to give CHM their margin of victory. CHM went into a stall and didn't feel to finish the game.

Ken Hansen, CTC's goalie, was outstanding in stopping many CHM shots. The Beavers outplayed CHM's ducks but were defeated because of players who fouled out.
ASCIT Center Defined

(Notes: Jim Beck is the Director of the ASCIT Research Center. The function and purpose of this organization is subject of the following article.)

by Jim Beck

The ASCIT Research Center is a means of providing support for groups of students who wish to do research. A student wishing to work on a research project can use the resources of the Center to help publicize for additional student participation, to supply immediate financial aid, and to seek subsequent support from large foundations. The goal of the Center is to allow research groups to concentrate on developing research ideas instead of having to look for support.

The Center is administered by an executive board, Carl Goodwins, coordinator, and Jim Beck (director), responsible to the ASCIT Board of Directors for distribution of funds and direction of the project. The research project groups (such as the smog project), are autonomous bodies operating with Center help.

In order to start a project, a student need only contact some Center representative, who will in turn, contact the director. Publicity work will then start for a seminar at which those interested in the idea can meet and discuss it. The Center will handle administrative work such as publicity and room reservation, but the project organization and content is exclusively up to the participants.

To Submit Ideas

After a few such seminars, when a good idea of the project has been worked out with the help of the faculty advisers, a "project prospectus" can be submitted to the Executive Board with a support request. A "project prospectus" is merely a simple statement of the project title, its purpose, the nature of the experimental work, the time period required, and the approximate expected cost.

All prospectuses will be acted upon within two weeks. The Center is most likely to fund a project with faculty advisers, although this is not a requirement. A final report on the results of the research will be customary.

Costs for Project

An approval project may be granted up to $300 by the Center directly. If further funding is requested, the Center will then attempt to obtain more substantial support through grants from various foundations, and/or other sponsors.

Projects already under way to some degree include the air pollution research project, (Dave Perasso, director), the elementary education research project (Gregg Wright), and the brain creativity research project (Haul Haul). Others are being planned.

Black Students

Bill Hooker is directing a program in which twenty black Southern college students will come to Caltech as research fellows of the Center. Funding for this program was received last week from the Ford Foundation in a $32,700 grant. Like all student research associates from other schools, they will be taking not more than three courses in addition to their research work while at Tech. Several houses have already indicated that there will probably be room for these fellows to live on campus.

Huey Who?

(Continued from page 4)

house, steals a record player, and practices his horn, after spending the last of his money at his neighborhood grocer. Johnny finally learns to blow his horn with the best of them, returns the stolen phonograph, and gets shot by a nervous white cop. The film gives an impressive (on one memory) view of life and death in the Black ghetto, with Kurl Marx Had "Emin"

In my humble (who, me?) opinion, the best of the triad was a rather weak film entitled "Pimple, Pimple, Only A Pimple." Given that God is a thirty-year-old black man, what else could war be but a pimple on His eternal rump. Operated by kindly Jeanethors Doc Hippocrates, a specialist in Hemorhoidology (and other disorders of the ass), God is relieved of His seventies million old ailment. The obviously light-hearted spirit of this film is guaranteed to pull anyone out of the doldrums. Don't miss it, it's playing all the week, if I remember correctly.

Missionary

(Continued from page 3) has not yet been decided, according to Haldeman. Not At Liberty

However, a spy of ours has uncovered a script which perhaps explains the REAL REASON that the 1M Force was on campus this past weekend.

A portion of the script, says, in part, "Mr. Phelps, the man before you is Tom Gutman, head football coach of the California Institute of Technology. For the time that Gutman has been coach at Caltech, the football team has not won a single game. "Your mission, should you decide to accept, is to help Coach Gutman and the team win a game. As usual, should you or any of your 1P Forces be caught or killed, the secretary will disallow any knowledge of your actions. Good luck, Jim. Please dispose of the newspaper in the usual manner."

Eric Andersen

From the closed dead ends and littered canyons of lower Manhattan, he sings of the future — sometimes burning bright, sometimes simply burning. A new kind of ecstasy's on fire here.