

How Do You Like
Your Asphalt?

The CALIFORNIA TECH

Well-Done Or
Medium Rare

Volume LXXIII

Pasadena, California, October 4, 1971

Number 5

BEAVERS BLANK LAVERNE 27-0

by Peter Beckman

News of the victory over Laverne swept through the student houses like the Valkyrie's Ride Friday afternoon. For the juniors, sophomores, and freshmen it was the culmination of a hopeful dream; for the seniors it was the reenactment of the highpoint of their first year here when Tech beat U.C. San Diego.

The students' first reactions to the victory were loud and joyful, and this mood was aided as house bars opened to any and all comers. Several frosh, not quite understanding the significance of the occasion, began drinking themselves into oblivion almost immediately.

Meanwhile, calmer heads were making plans for the conflagration which tradition demanded. Steve

Watkins called an emergency Inter-house Committee meeting to set a time and place for the bonfire and to coordinate related activities, and numerous Techers began scrounging for wood and other useful materials.

2x4's

A source of wood was soon found—the greenhouse behind the old CEAC building. Since the structures were scheduled to be torn

down, no one, even campus security, saw anything wrong with dismantling the structure a little prematurely. In little over two hours a section of greenhouse that probably would have taken a contractor a day or B&G a week to tear down was returned to its component 2x4's and loaded into waiting cars and trucks that would take it to the site of the bonfire.

Other vehicles were loaded with detour barricades which were conveniently standing near the construction on San Pasqual Street.

The preestablished site, the intersection of Lake and Del Mar was the scene of more than normal activity just before 10 p.m. as numerous Techers walked around waiting for the festivities to begin.

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Editorial

Cops & Coexistence

Tech won a football game, and the loyal fans celebrated the win, even if almost none of them saw the game. The *Tech* wishes to congratulate the members and coaches of the football team. We also wish them continued success. The credit for this victory is the team's alone (with some help from LaVerne), but credit for the subsequent celebration is not all due to the students.

Were it not for some lenient and fun-loving Pasadena police officers, we would have spent all night looking for a place for the fire, and we would be looking even yet. A fair number of Techers would have been arrested in the process, too. Roaming somewhere around Pasadena is a policeman who decided that as long as we didn't ruin the pavement a bonfire wouldn't hurt but would be a lot of fun. Before it was all over the policemen and firemen had joined into our celebration and had forgotten that what we were doing was flagrantly illegal.

This isn't exactly what one might expect from these people, but then again we may have the police department all wrong.

The students, too, kept up their part of the tacit agreement. They were active in helping to clean up the bonfire, and there was no disruptive behavior. The *Tech* hopes that participants in future bonfires will heed the lesson learned from this one: that the Pasadena Police can be real nice guys IF only we give them a chance to act that way.

—Paul A. Levin
Philip M. Neches
Peter W. Beckman

The Housing Mess

The Institute has amalgamated the Undergraduate Student Housing Committee and the Graduate Student Housing Committee into one. Known (appropriately enough) as the Student Housing Committee, they will have to deal with one simple fact: more students need housing.

With nominal freshman class size now at 255, as opposed to about 200 a few years ago, the Institute will soon have almost 100 more undergraduates than before. However, with the admittedly wise decision to limit occupancy in the student houses to a comfortable level (i.e., no triples or use of singles as doubles), most of those students will require some sort of housing off campus.

Unfortunately, Caltech finds itself poorly prepared to meet the needs of commuting students. Unlike many colleges and universities, Caltech is situated in the middle of a rather expensive residential district, with no near-by low rent housing. Schools such as UCLA, Berkeley, and Stanford do not guarantee on campus housing to all students, not even to freshmen, but have large private dorms within walking distance of campus. Very few Caltech students can find housing within walking distance: most must either bicycle or drive to and from campus.

This situation has created several unfairnesses, especially this year. Priority for on-campus housing went first to resident upperclassmen, then to freshmen by the date of arrival of their deposits. Thus some freshmen from Pasadena got housing on campus, while some from as far away as Chicago did not.

Much has been said of the trials and tribulations of being a freshman; we think it unfair to add to that burden by forcing some freshmen to find housing on their own in an unfamiliar city, especially one where high rents and incredibly poor public

transportation prevail. Without experience or adequate time, finding housing for less than \$60 per month (the cost of a room contract on campus) can be difficult to impossible, given Pasadena as it is.

Perhaps this unfairness could be minimized by at least giving priority to freshmen on a strictly geographical basis, since students from nearby would supposedly have less difficulty getting to and exploring Pasadena. Many would consider the suggestion that all freshmen who want on-campus housing should be accommodated, even at the expense of upperclassmen, too radical, even though it is standard procedure at most universities.

We believe that if the Institute is to increase undergraduate enrollment, it should be prepared to find housing to meet the increase. Perhaps this will mean construction of new student houses in the future; however the current financial situation will preclude that for at least a few more years. In the meantime, the Institute has an opportunity to diversify the living arrangements available to undergraduates.

Several students currently seek to revive the Throop Club, an organization which served many of the social and organizational functions of a regular student house for off-campus dwellers. We support that effort, and hope that ASCIT and the Institute will join in insuring the success of that venture.

But beyond that, we have an opportunity to allow for diverse life styles in housing, especially in the relatively unexplored area between apartment living and the quasi-dormitory quasi-fraternity atmosphere of the Houses. Some efforts in this direction have been made, we hope that they will be expanded upon.

However, one stumbling block to providing convenient housing for undergraduates has come from the Institute itself, reflected in that it is virtually impossible for an undergraduate or a group of undergraduates to rent Institute-owned property. With this opposition, one hardly needs to wonder why so few "experiments in living" openly advocated in some quarters of the Institute ever get past the talking stage.

These comprise but a few of the problems which will confront the new committee. Our best thinking must be directed to their solution, and our best hopes and, most of all, ideas to the committee.

—Philip M. Neches
Peter W. Beckman
Paul A. Levin

Throop Beat

CEAC, ASCIT, & VOTE

by millikan troll

CEAC has returned to life on the third floor of Spaulding, so we are told. Under the general activism of Roger Greenberg, CEAC hopes to revive the recycling center among its other activities. Their phone number is the same as last year (extension 2481, I believe).

Rumor of the week: we are told that Physical Plant is attempting to bill ASCIT for clean-up relating to certain local conflagrations over this last weekend. ASCIT thinks that the Admissions Committee should pay, since it's their fault that victories of the football team have been so rare as to necessitate celebrations similar to Friday's.

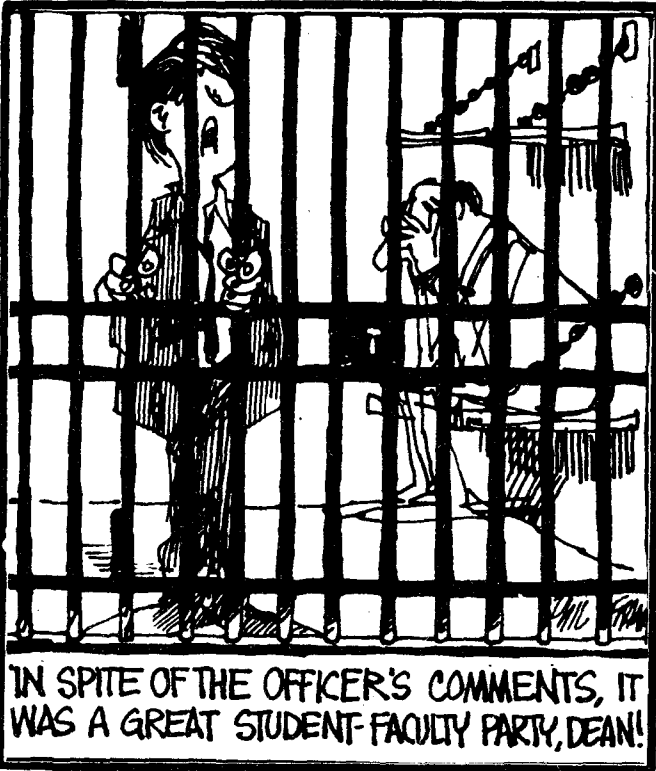
That You Can Vote

With the removal of the final legal barriers to registration of eighteen to twenty-one year old voters (see our editorial of recent weeks), one would hope that Caltech students will get more involved in Pasadena politics. Quite possibly,

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FRANKLY SPEAKING

by Phil Frank



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The Caltech Forum

Celebration Comments
By Security Chief

by John Elliott
Campus Security Supervisor

Because Caltech won a football game I was able to experience my first of the famous Caltech bon fires, from the inside rather than from the outside. As a result of this experience I saw how Caltech students earned their reputation as a unusual group of students, an exuberant group but orderly. The fire at Tournament Park parking lot was probably the largest of several. After some time the fire was started with the co-operation of Pasadena Police and Pasadena Fire Departments whether knowingly or unknowingly. The students had their fun, no one was hurt and no damage was done.

After a period of time the Fire Department moved and proceeded to extinguish the blaze amid some boo's and cheers from the students.

After the fire was out it was time to clean up. Caltech students proceeded to the fire truck where they obtained shovels, brooms, etc. and helped the firemen clean up the mess. This type of conduct can only enhance the reputations of our students.

A word of caution. Some students is their excitement were a little careless in handling inflammable liquids used to start the fire. Students should realize that this can produce a very dangerous situation. While I question the wisdom of starting fires anywhere, I can not complain of the conduct of our students.

Now that we have a winning streak going, let's get behind our team and urge them on to other victories. (And more bon fires?)

The CALIFORNIA Tech

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NEXT WEEK:

CAMELOT

Astronomy Lohr

Steady, Fred, Steady

by Gesine Lohr

"You've got a galaxy here—you've got an obvious something else here," Fred Hoyle, president of the Royal Astronomical Society and creator of the steady-state universe astutely exclaimed to his audience in Beckman Auditorium last Monday night.

From President Brown's introduction and brief description of the steady-state theory ("as it was in the beginning, is now and ever shall be"), one gathered that it was going to be a lively evening. Fred Hoyle began briskly and seriously, sounding not unlike Helmsman Chekov of *Star Trek* fame. He mentioned the importance of Caltech's Kellogg Radiation Lab in the field of stellar evolution, and then proceeded to give a brief history of theoretical cosmology. Beginning with Einstein's first concepts of the universe as a static system, Hoyle went on to mention Freedman who, in 1922, attempted to explain the redshift found by Hubble by proposing a non-static universe model. In the end Einstein abandoned the idea of a static universe and the point of view was evolved that it is possible to have a constant yet not static environment; a

requirement of this view is that matter be created continuously. This model of a "steady-state universe" is the one advocated by Hoyle.

Warming to his topic, Hoyle then proceeded to the second part of his lecture, a description of the "confused observational picture," stating that the observational area of cosmology was in a "state of chaos". Apparently, with so many new observations, many seeming to be contradictory, an astronomer is forced to simply ignore evidence he doesn't like. At this point Hoyle quoted Eddington as having said, when some observation didn't agree with a theory of his, "Observations cannot be accepted until they are understood."

Inkblots, Anyone?

Using a number of very strange slides, Hoyle developed several different lines of reasoning concerning redshifts, quasi-stellar objects, and the relationship, if any, of the QSO's to various galaxies. In several cases, a QSO would appear to be linked to a galaxy, yet have a velocity greatly unequal to that of the galaxy. In conclusion about these strange objects, Hoyle stated

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Lee Brown Wants You To Teach Secondary Schoolers

by Philip Massey

If any of you have happened to be up Saturday morning (or still up from Friday night) during the past three years, you may have noticed numerous people running around Tech who look a bit young to be Techers. NO, it's not just that the frosh get younger each year. They're secondary school students who are part of the Saturday School Science Workshop.

The students spend each Saturday morning in two hour seminars, learning about subjects ranging from cosmology to ceramics to human behavior. There are thirty-two classes, each taught by a professor, grad, or undergrad.

Outnumbered

Lee Brown, Director of Secondary School Relations for the Institute, states that there are 300 students currently enrolled in the program, an increase from 240 last year and 80 the year before that. The program uses the "Interest Oriented Curriculum Approach"; that is, each student states his primary field of interest and learns stuff in that field. Since it's material he's interested in he has a greater tendency to stay in the program learning. The success of this approach is evidenced by the large number who return each year.

The students are young; perhaps five-sixths of them are junior high school level. The students come from diverse backgrounds and are very ethnically mixed. Only the math tutorial program is remedial; the rest are enrichment programs designed to stimulate interest in science.

Why Tech

Brown explained that back in 1964 when he was busy teaching B.S.C.S. biology at Blair High

School he found that he needed some equipment from the Institute. Later he taught Chem Study—and in addition to borrowing equipment, he found that he had students who would benefit from the use of Tech's facilities. He taught A.P. Chemistry and Biology next, and had to use NMR's and other equipment not usually found lying around high schools. In the summer of 1968 he organized the summer science program at the Institute for high school students. He became full time Director of Secondary School Relations (although his work also encompasses elementary schools) in July of 1970.

Other Programs

He desperately needs volunteers for this and other projects. Beginning November 6, there is a Saturday Visitation Program which consists of two one hour lectures on twelve Saturdays until May. Students and teachers from all over the state will descend on Tech to listen to students or professors lecture on their fields. Brown has found lecturers for only the first session.

There are numerous science activities clubs in L.A. elementary schools that are looking for Techers to run them on a weekly basis. Brown also makes frequent trips to local high schools, both to have undergrads put on demonstrations and to talk about Tech and what life here is like to students who are thinking about coming here eventually.

Anyone interested in helping on any of these programs or doing *anything* at all with elementary or high schools (such as tutoring) should contact Lee Brown. He's between the first and second floors of Throop (yes, really), or try extension 2295.

Leakey Lectures On Ancient Man

by Claude Anderson

In his lecture at Beckman Auditorium Saturday Night, Dr. Louis S.B. Leakey emphasized the need for the end of pollution. "We the masses are not saying, as we should say, 'We will not allow our leaders...to reach a point where *Homo Sapiens* is exterminated by himself.'"

The renowned anthropologist was introduced by Dr. Munger, President of the Leakey Foundation and Professor of Geography at Caltech. Dr. Leakey's lecture, which was accompanied by a slide presentation and followed by a question-answer period, lasted about two hours.

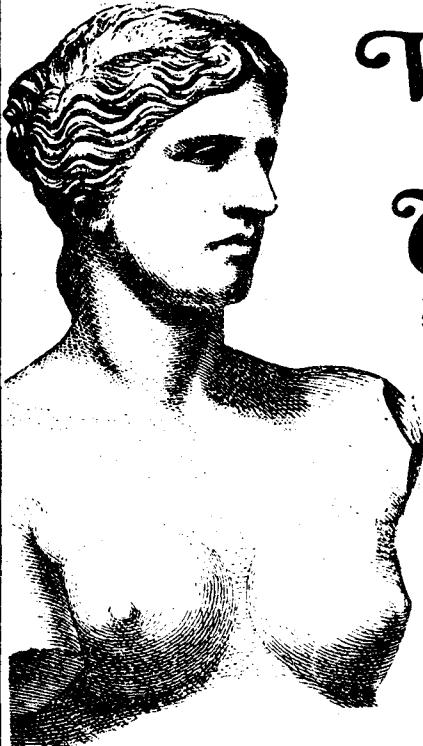
The lecture, "The Latest Evidence on the Antiquity of Man," began with Charles Darwin's book on the Evolution of Man, published exactly 100 years ago, and briefly covered the progress that has been made in this field during the intervening century. By comparison of slides showing the skulls of man and near man found side by side, he demonstrated that the separation must have occurred during the oligocene period which began 30 million years ago. In fact, according to Dr. Leakey, the human, chimpanzee, gorilla, orang-outang, and all the other mammals families that we know today were distinct at least 20 million years ago.

One interesting point that Dr. Leakey made concerning early man's survival was in relation to his bad taste and smell. Lions, tigers, and leopards will not normally eat the higher primates. "We are apparently not catfood."

In 1936, Dr. Leakey discovered a skull of *Homo Sapiens* which was .25* 10⁶ years. At the time, authorities in

Continued on Page Seven

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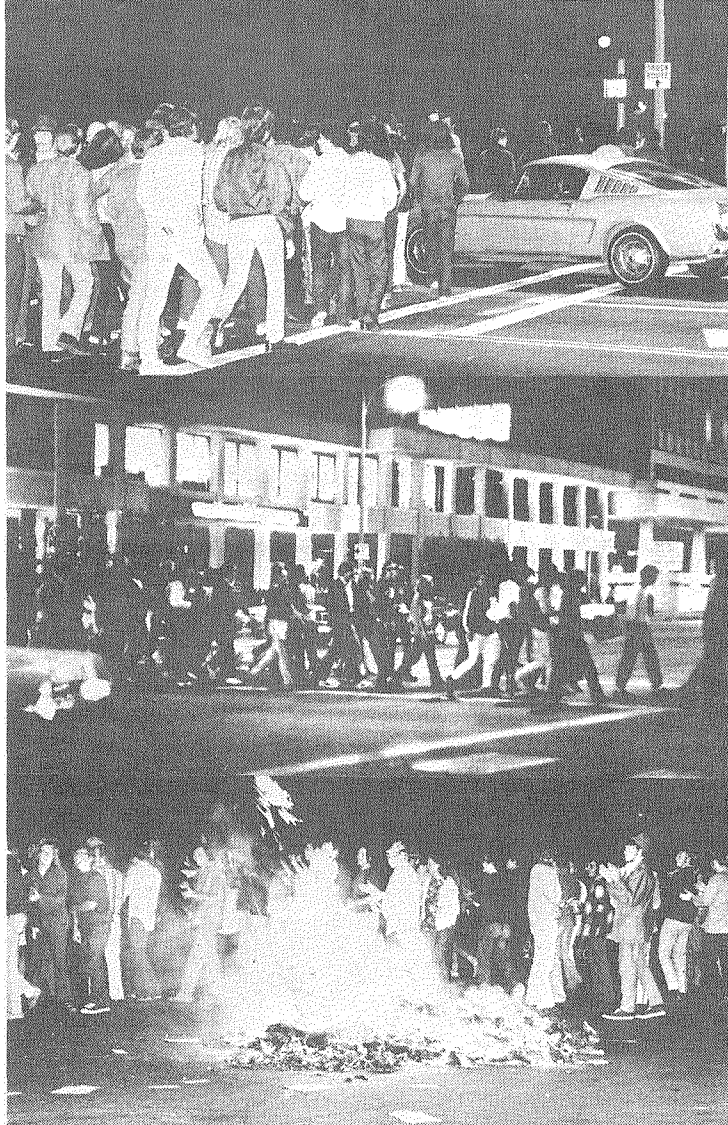
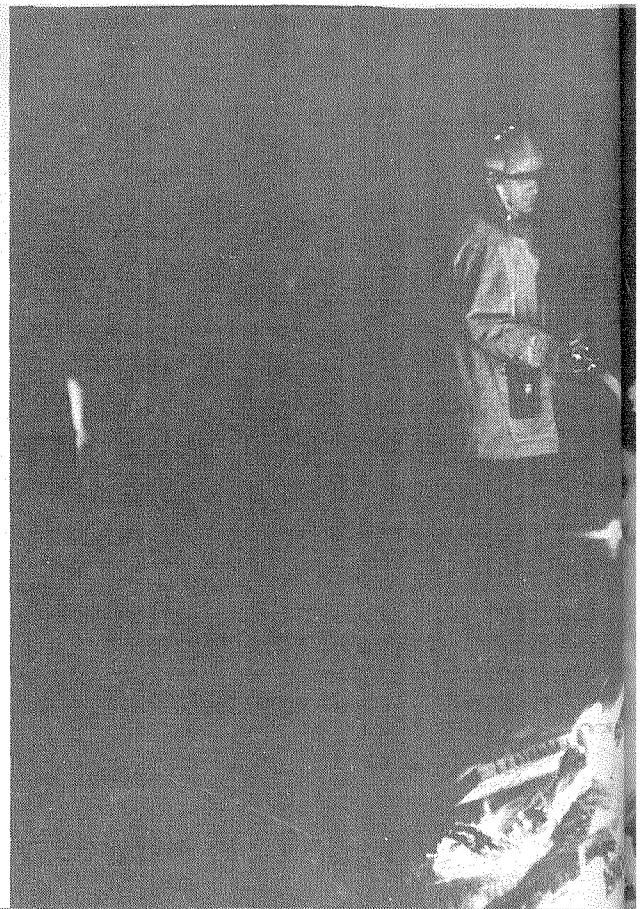
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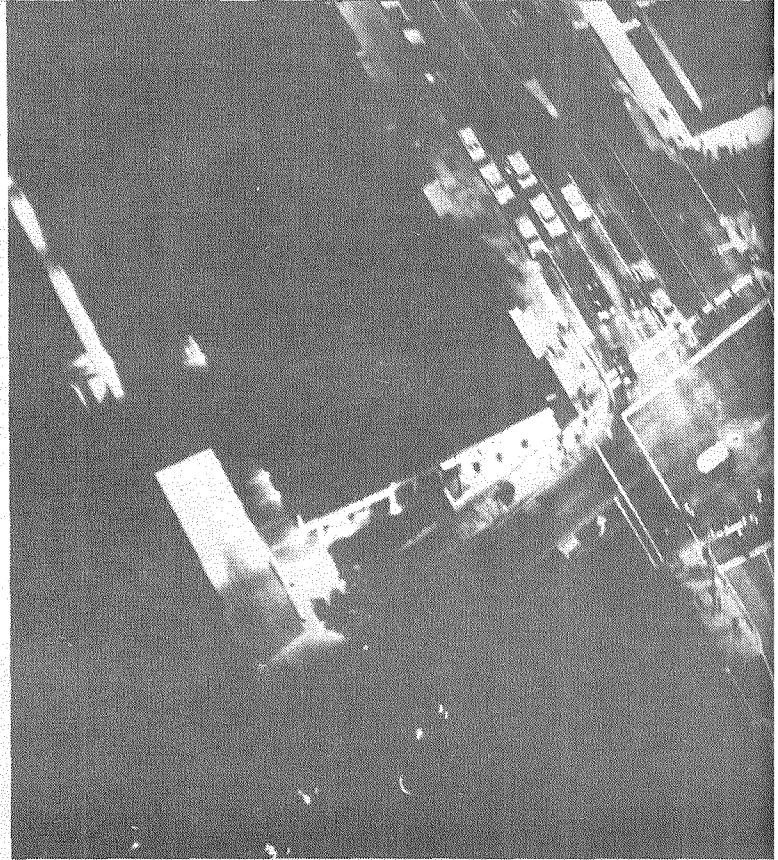
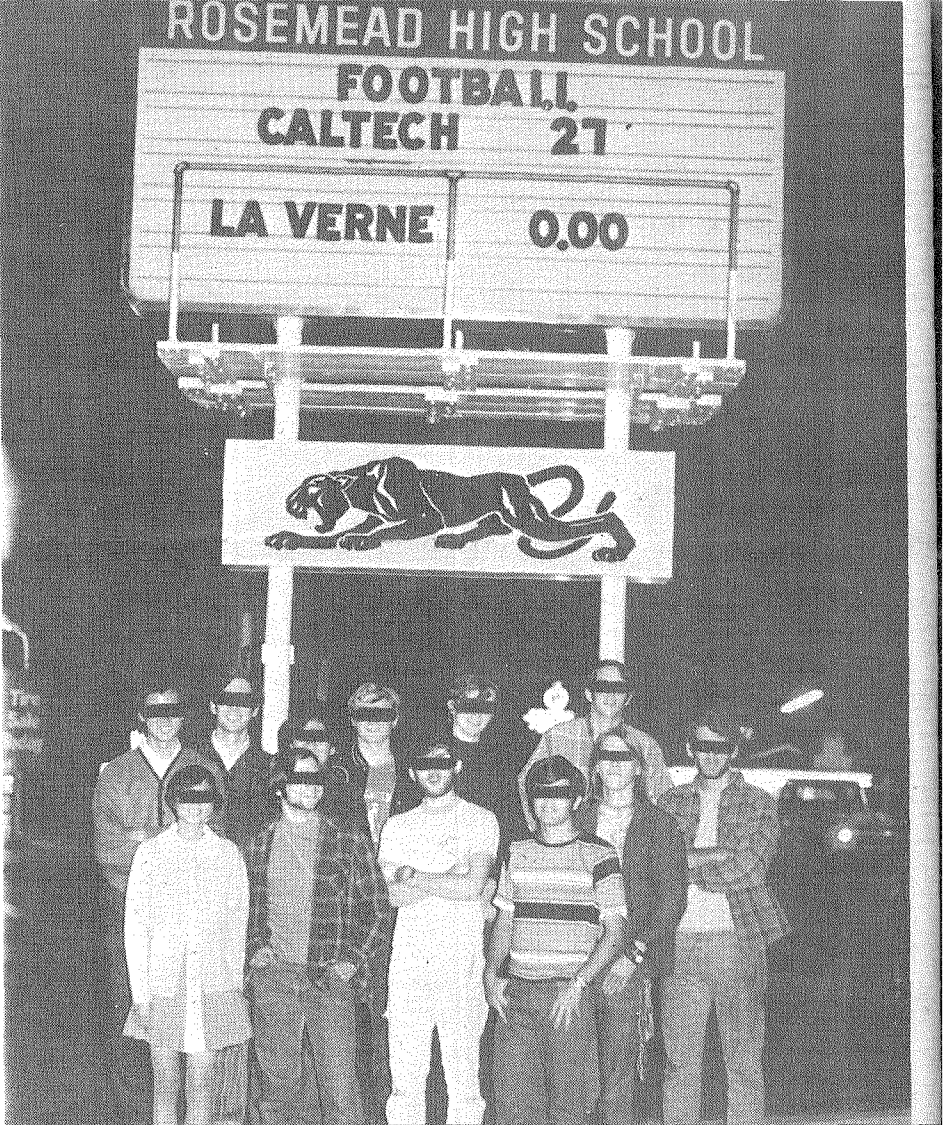
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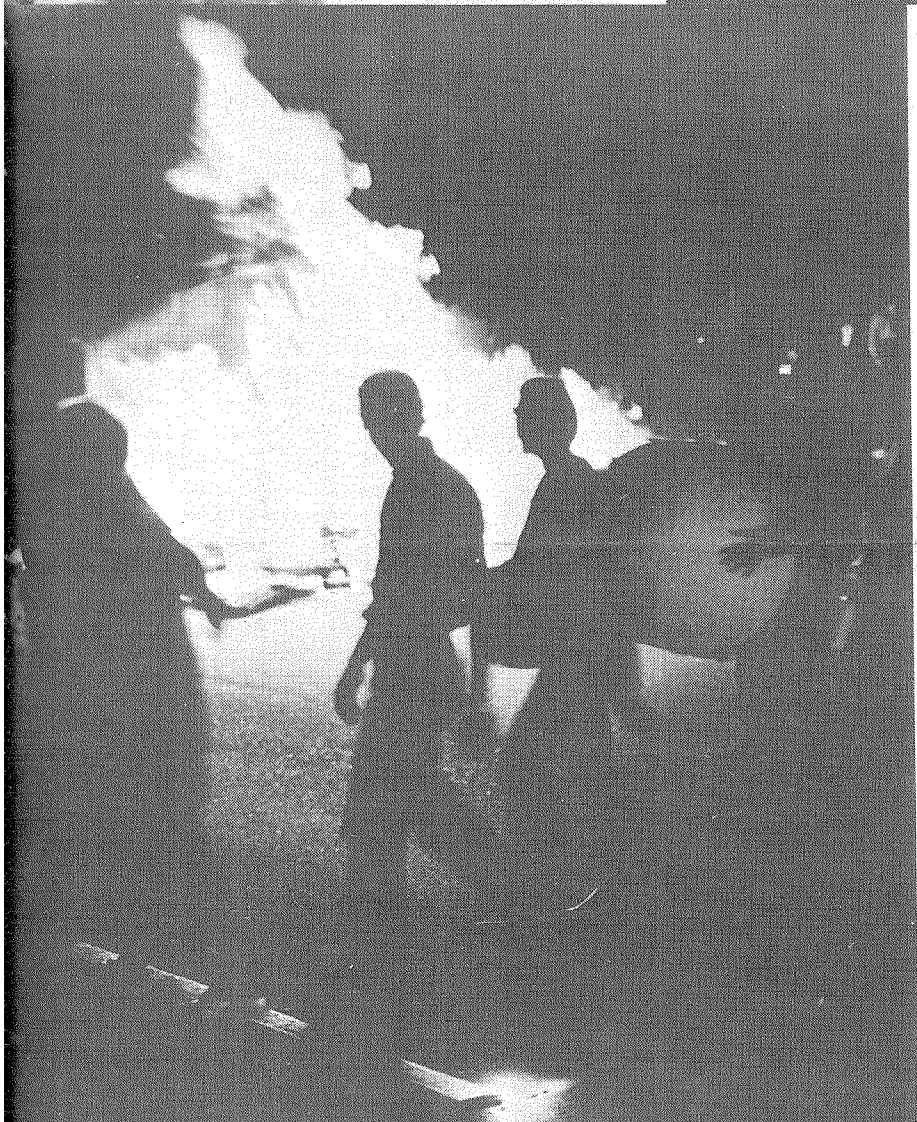
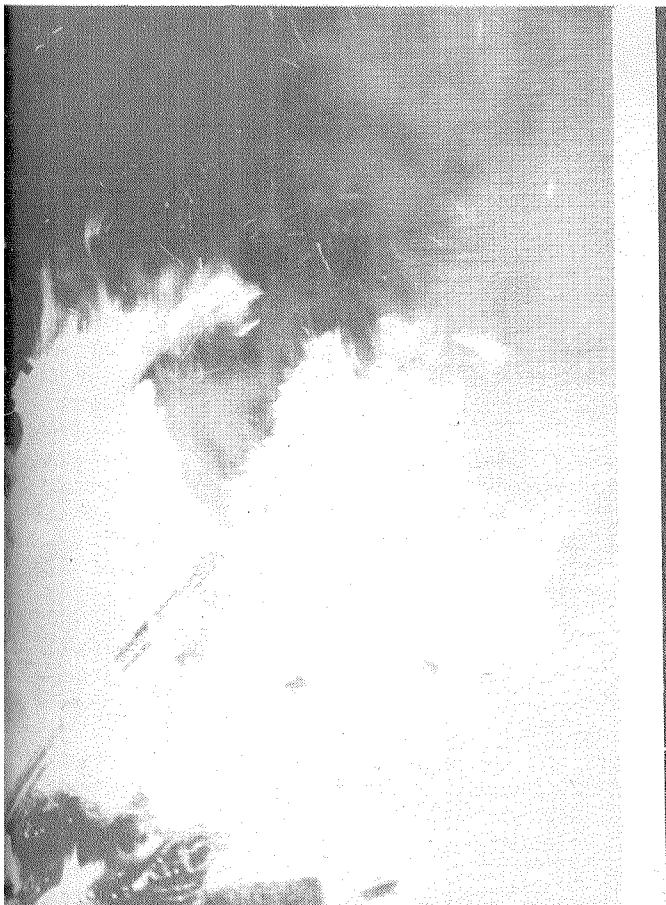
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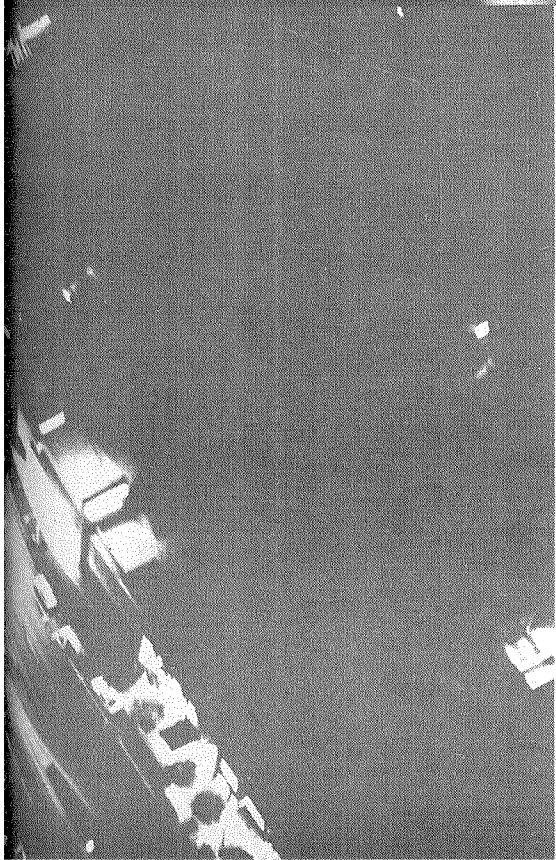
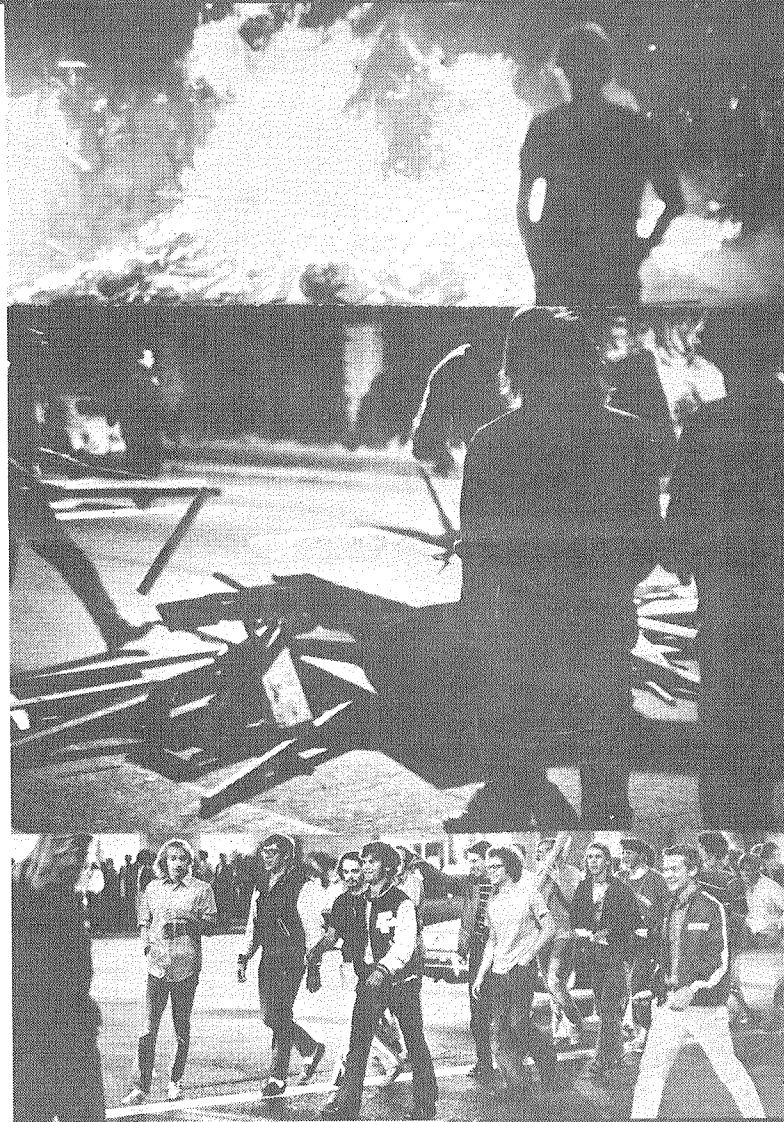


CALTECH
27





L A V E R N E O



News Briefs

French 'Amedee' Graces Beckman

by Jeff Mallory

Beckman Auditorium will present Le Theatre de Poche Montparnasse performing Eugene Ionesco's *Amedee ou Comment s'en Debarasser* in French this Saturday at 8:30. The Theatre de Poche is famous for not only producing many of today's new French playwrights, but also for some of France's finest actors performing on its stage.

Amedee brings two star French actors with it. Eleonore Hirt, in the leading female role, has long graced the stage and camera scenes with her dramatic talents, including two recent films: *The Night of the Generals* (see on TV this summer) and *Tropic of Cancer*. Etienne Bierry plays the lead male role as Amedee. Bierry is famous for his devotion to the small theatre, although he has appeared in numerous French films. He has often given up important roles in order to perform at the 100-seat Theatre de Poche Montparnasse where his wife, Renee Delmas, is director.

The director, Jean-Marie Serreau, directed the original production of the play when it first came out in 1954, and is directing it once again for the Theatre de Poche cast. Tickets are still available at the Beckman ticket office for \$5.50, \$4.50, \$3.50 and \$1.50 to Techers.

Concentus Musicus To Give Halloween Concert

When the Concentus Musicus of Vienna opens the Coleman Chamber Music concerts on Sunday, October 31, at 3:30 p.m., in Caltech's Beckman Auditorium, Southern California audiences will have the rare opportunity to hear Bach as Bach knew his music to sound.

This internationally respected ensemble came together in 1954 through the need for a more authentic interpretation of early music. They perform on the instruments of the time and carefully observe Baroque performance practices. The result is a total sound rich in color and variety and astonishingly transparent in texture. They will perform four of Bach's secular works: Suite No. 1 in C major, Trio Sonata in G major, the Violin Concerto in E major, and the Brandenburg Concerto No. 5 in D major.

Other ensembles in the Coleman series are the Fine Arts Quartet on November 21; the Warsaw Quintet on February 13; the Tokyo Quartet on March 19; Music from Marlboro on April 16, and a new date for the New York Chamber Soloists—April 23 (instead of 30). Season tickets are on sale now at the Caltech Ticket Office and at all Ticketron, Mutual and Liberty agencies. Single tickets for Concentus Musicus are \$5 for all seats and student tickets are \$3 each.

Beginning October 26 there will be some free tickets for the Concentus Musicus concert available to Caltech students at the Beckman ticket office.

Harvard Has Public Policy Grad Program
The John Fitzgerald Kennedy School of Government of Harvard

Olga Todd Wins Math Award

Olga Todd, professor of mathematics, won one of the annual Lester R. Ford, Sr. awards of the American Mathematical Association. The award is one of the important annual citations in United States mathematical circles for outstanding work. A maximum of six awards are given yearly for articles published in the *American Mathematical Monthly* and selected for honor by a panel of judges.

Dr. Todd received recognition for an article on "Sums of Squares." Its ten chapters cover a wide mathematical survey of interest to those dealing with algebra, number theory, analysis, and topology. The article discusses very modern mathematical theories, links between older theories, and many aspects of the work Dr. Todd has been carrying out for many years.

Dr. Todd has an international reputation and is considered one of the outstanding mathematicians of today. She is equally active in mathematical theory and its applications, the latter beginning with work in aerodynamics in England during World War II. She has been instrumental in supplementing and strengthening work in algebra and number theory at Caltech since 1957.

University announces a new graduate program in Public Policy. Ph.D., Master's or joint Master's-professional school degrees offered. Applicants should be interested in policy analysis and be at ease in both the world of words and the world of numbers. Write Dean Harry Weiner, Littauer Center, Harvard University, Cambridge, Massachusetts 02138 for catalog and application.

Identity Hath Cometh!!!

At long last, permanent ID's are finished and ready to be picked up in the Registrar's Office.

Hillel Club Business Meeting

The Caltech Hillel Club will be having a business meeting on Friday afternoon, Oct. 22, at 3. Among other things there will be the election of officers.

Student Shop Schedules Second Seminar

The Student Shop will hold its second seminar on proper use of tools this Saturday. Due to the football game, instruction will begin promptly at 12:00 noon in the base-

ment of Winnett Center next to the game room. Keys will be issued at the conclusion of the course. Without this course you can't get a key.

Frosh! This is your opportunity to gain access to an enormous variety of equipment to build your dream project. The shop has a table saw, jig saw, wood and metal band saws, drill presses, wood and metal lathes, milling machines, grinders, buffers, arc welders, and a power hack saw, as well as many random pieces of hand equipment.

Beckman Auditorium Has Full Schedule

The first of the Caltech Lecture Series will be given at Beckman on Monday, the 25th, at 8:30. Dr. John Benton, history prof, will speak on "Ideas of Order: Music, Mathematics, and Medieval Architecture", showing the progression of thought patterns from medieval to modern times. No tickets or money are required.

By popular demand, Cary Lu will repeat his lecture on "The Contribution of Progressive Myopia to the Rise of Impressionism: Visual Problems in the History of Art"

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Hoyle

Continued from Page Three

"I've had an uneasy feeling that things aren't what they're supposed to be." During the course of his arguments, Hoyle made frequent use of statistics, and then, disavowing them, claimed, "Statistics is the subject invented for the growing of sugar beets."

Hoyle began the third and final part of his talk with the statement, "I am concerned now with new ideas—I don't have too many." He made clear the fact that it is still very possible to find new cosmological models, stating, "the position in theoretical cosmology isn't closed." Older cosmologies, according to Hoyle, provide no link between the large scale universe and quotidienne life; it is as if cosmology forms an issue apart from everything else. It is necessary to find cosmologies which relate more closely to everyday experience than do the old models.

Fred Hoyle believes in a "total

inter-reaction of all parts of the universe, large and small." It is true that, in order to make scientific progress, we must restrict the range of problems we can consider; knowledge becomes compartmentalized, and we find, for example, that the relationship between two branches, such as astronomy and cosmology, is uneasy at best. However, as Fred Hoyle strongly emphasized, we must not lose sight of the fact that all the pieces must eventually fit together; we must remember that the total puzzle is one coherent whole.

Fred Hoyle will be on campus until Friday; he will be giving a talk to his colleagues in 201 Bridge today at 4:30 on whether or not the gravitational constant is really constant.

Throop Beat

Continued from Page Two
the Caltech student body could be a not insignificant force in local politics if mobilized properly.

The issue raises great possibilities for action by both ASCIT and the YMCA directed towards better informing the Caltech community on matters of civic concern, voter registration, and possible campaign work. Although the first test of the power of the student vote lies many months away in the June 1972 primaries, planning and organization can begin now. Think about it, and talk about it.

Top of the Week

The funny-looking people popping out of the steam tunnels on Tuesday will ultimately appear in the "Movie of the Weekend" version of "Second Face," starring Eddie Albert, Robert Culp and Angie Dickinson. ... Sharing facilities such as computers and libraries with such schools as UCLA and USC is "in the yacking stage." ... According to the IHC, "Ricketts House has two weeks to find the Discobolus Trophy, or they will have to replace it."

More possibilities for degrees in humanities and social sciences may be in the offing. ... "That thing has been doing funny things lately, like for the last three years." (courtesy of anon. B.M.) ... The PME will be radically different this year.

Ask Not What

The California Tech supports itself entirely by revenue from advertising and subscriptions. Almost all undergraduates buy subscriptions through their ASCIT dues. The Institute buys a subscriptions for faculty and staff. However, graduate students as a class do not have subscriptions, and therefore are not entitled to receive the Tech (except for the few who buy their own subscriptions).

This situation needless to say leads to either of two results: (1) grad students take copies anyhow, thus depriving their profs; (2) grad students don't get copies, and thus don't find out about a lot of campus events. In either event, someone loses. Won't someone (like the GSC) do something (hint, hint).

Quote of the Week: "Is Jim Black the Chancellor of the Ex-Techers?"

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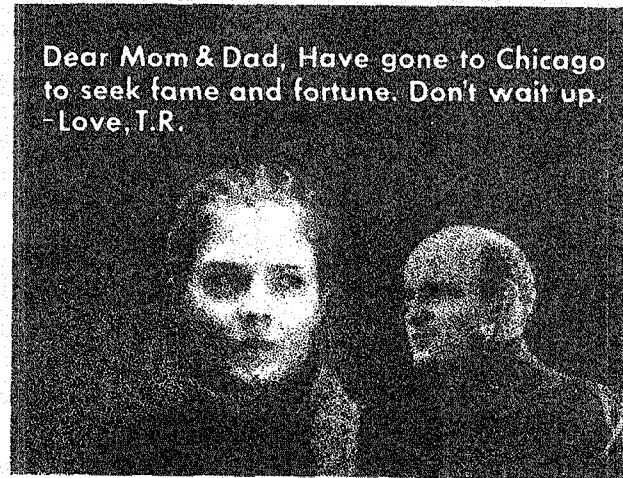
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Water Polo Team Drops Last Preseason Game

by Bob Kieckhefer

Last Wednesday the Caltech water polo team played its last game before the start of league competition, losing to Pasadena City College, 13-8. Starting strongly, P.C.C. pumped in seven goals in the first quarter, while the Techers were still awakening from their afternoon classes. After the first quarter, however, the game was fairly even, as the smog burned both teams.

P.C.C. was forced to play more defensively in the second half than at the game's start, as Tech shooters began finding the weaknesses in the P.C.C. goalies. Steve Sheffield scored seven goals, bringing his season total to 32, and Tom Coates added another before the final gun. While the offense was occupied scoring, the Tech defense managed to hold P.C.C.'s infamous Siman-and-Sullivan duo to below their normal scoring level.

This week SCIAC competition begins, with the Techers playing here yesterday against Claremont-Mudd and tomorrow at Pomona. After Saturday's "no-holds-barred" alumni game (at 10:30 a.m., if the old men can get up that early), the tankmen will host exhibition foe Pierce J.C. next Wednesday at 4 p.m.

Although their preseason record of 0-7 is not spectacular, Tech has a good chance to do well in SCIAC. Most of the preseason opponents

Leakey

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anthropology merely laughed at him, saying that man in the form in which he exists today could not be that old, but now it is accepted by most experts that man in his present physical form was around then. He said that man's biggest achievement, the making and control of fire, came 40,000 years ago. His last development was the ability to reason in psycho-social terms.

Man has evolved mentally while the other animals have only evolved physically. "But we are not using our power of reason rightly," said Dr. Leakey in reference to pollution, germ warfare, and atomic bombs. "We can and must stand up. We have got to do something that will prevent the few from planning things which will exterminate *Homo Sapiens*. I don't believe we've got more than thirty or forty years to do it in."

are of higher caliber than the league teams, which has given the Techers practice playing against faster and/or stronger teams. In addition, the team's last-place finish in the annual SCIAC tournament means little, since last year's team also lost the tournament but came within a game of being SCIAC co-champions.

So come on down to the pool and cheer your tankmen to victory! The games Saturday and Wednesday should be close ones, and they're being played at different times than any football games, so you can see both teams if you want!

Once Upon a Time

The Game Nobody Saw

by Gavin Claypool
Sports Editor

It's been a long time since a Tech had to think back more than a week during the fall to the football team's last defeat.

It's been a while since just about everyone on campus knew what the score of the gridgers' last win was.

But both these conditions exist this week, because last Friday the Caltech Beavers manhandled the La Verne frosh, 27-0.

The win ends a nineteen-game winless streak, and is Caltech's second win in its last fifty-five games. Caltech's season record is now 1-2.

Led in Everything

The Techers led in every offensive department, putting together a whopping 312 yards offense. Leading the offense was quarterback Lee Morris, who completed 11 of 20 passes for 127 yards.

Morris, who had completed only three passes in 17 attempts so far this year, connected with John Steubs for the third touchdown and carried the ball himself 15 times for 33 yards.

Head Coach Tom Gutman was very pleased with the team's performance. "The team played very well, and as a unit," he said. The game went the way we wanted it. We kept the ball on the ground and controlled it."

Perfect Third Quarter

The third quarter was a diagram of perfection for Caltech. A drive that began from the Beaver 26 took ten minutes and 17 plays, and

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Unfortunately, the Pasadena police were also on hand. (It is probable that they knew where to be since Lake and Del Mar was the only major intersection within a mile of campus where some anonymous Techers had not told them there would be a bonfire.)

Dumb Frosh

As the first car loaded with wood stopped at the corner a frosh, who will forever remain anonymous, grabbed some pieces and gently deposited them in the middle of the intersection—directly at the feet of one of Pasadena's finest. He was

culminated in Steve Bisset's one-yard plunge for the second CIT score. La Verne finally got the ball for the first time that half, managed to hang on to it for two series before Tech got it back.

Bisset was the game's top rusher, gaining 46 yards in 12 carries. John Morton, the fullback, carried for 26 yards and made three important first downs in fourth-and-short-yardage situations.

Defense, Rah!

The defensive team did an outstanding job in pressuring the opposing quarterback; La Verne was held to six first downs and a total offense of 125 yards. In the last quarter, the entire Tech grid squad was involved in the action, but LaVerne could not prevail.

The last time a Caltech football team won two games in a row was in the fall of 1963. The season opener that year saw the Beavers defeating L.A. Pacific 32-12. The following week, Tech came back to shut out the UC Riverside varsity, 14-0. That shutout was the last one until the La Verne game.

Riverside Return

Saturday features a return bout with the UC Riverside frosh on the Caltech field. When asked about the UCR team, who downed the Beavers 28-14 earlier this year, Gutman replied, "They're a good team. There's no doubt about it, they're a good team."

The fourth quarter scores came from aerial attempts on both sides. Morris hit Steubs from the La Verne 21 for the six-pointer. Later on in the period, Gary Stormo picked off a La Verne pass on their 34 and raced in for the final score.

In the second quarter Morris ignited a 85-yard drive that was highlighted by a 19-yard run by Stormo. After Morton scored from the one, John Rogers' kick went wide. But Tech had the points needed to win already.

immediately grabbed and placed in the back of a police car where he was soon joined by Scott Cardell who had thrown a pile of papers in the intersection and Doug Duncan who had made the mistake of standing next to a plainclothesman while carrying several pieces of burnable pine.

Meanwhile, there was a mob scene as several hundred pyromaniacal Techers converged on the intersection. Splitting into groups they began walking across the crosswalks in masse, always waiting for the green light.

Shouts of "We're number one!" and "Free the Caltech three!" added to the confusion of the police who found themselves faced with a huge number of loud, if harmless, Techers. In addition the police radio kept sending information that Techers were congregating on other random intersections. Fearing the worst, at least one house R.A. who was on the scene began collecting bail money from other members of his house.

Finally, word was passed that the next attempt would be at Arden and Lake at eleven. As the students disbursed the police radio blurped, "They appear to be heading back toward campus. I guess we're safe."

The Scarlet Letter

While all this was going on a group of Blacker Trolls was making the victory known in a big way. A ten foot high "T", built of 4x4's and covered with gasoline soaked rags, was placed in Pasadena City College's reflecting pond and lighted with a torch made from a broken badminton racquet. The flaming letter greeted spectators departing from P.C.C.'s homecoming game who were probably confused by the improbable symbol in the pond. But all good things must end, and six fire trucks converged on the spot to blot out the flaming sign.

Meanwhile, the Caltech Three found themselves incarcerated in "The Goose", the Pasadena police's venerable paddywagon. Not quite knowing what to do they tried picking their way out, but with little success. For some unknown reason, perhaps the direct intercession of God, the battery of the Goose went dead when the police tried to take their prisoners away. The three pushed the wagon to get it started, and in recognition of their help, they were returned to Caltech and released just in time to join in the California Street bonfire.

No Place Like Home

There, at the east entrance to the Business Services' parking lot, wood had been accumulated as a diversionary measure to keep the police from other places. The police had responded and were waiting, but changing circumstances made this seem like the best place for a major bonfire. John Elliott, head of

campus security, convinced the cops that the best course would be to stand by and watch the student's have their fun. Traffic was detoured into the northernmost lane, and a bonfire, made up of greenhouse wood and thousands of old California Techs was constructed in the southern half of the street. A little too much gasoline was added to get everything burning quickly, and John Ellis, one of Caltech's football players, ingited the pile. The gas caught with a large flaming "whoosh" that singed Ellis's hair and half blinded the crowd.

Then, the Caltech Marching Band made its appearance and led a parade around the bonfire while playing what many said was its entire repertoire—On Wisconsin. As the fire began to creep downward the band played the Alma Mater, and as many as three Techers (probably all who knew the words) sang along. Finally, Mickey Mouse was played as Pasadena firemen began to wet down the pile. Most of the Techers on hand, fearing that they might be drafted into helping clear the street, began drifting away. Within minutes the fire had gone the way of its predecessors over the years, and nothing remained except a dripping mass of wood and newsprint.

While the California Street bonfire was being extinguished the one at Arden and Lake was proceeding in relative obscurity. No one, except students, appeared until a random San Marinian came by and yelled, "What the hell's going on?" Eventually, the police and firemen arrived to extinguish the hazard to navigation.

The Sweet Light of Reason

As Friday merged into Saturday activity declined. One small group burned a torch on the roof of Millikan Library while another started a bonfire at Hill and San Pasqual. Some members of the Page House White Horse and Railroad Co. while returning from a Farrell's flick discovered that the letters on the Rosemead High School scoreboard could be rearranged to read "CALTECH 27 LAVERNE 0.00" They soon were.


Nice Guys

Throughout the entire evening the police and firemen acted with remarkable restraint and coolness. At Lake and Del Mar some policemen casually talked with the students ignoring the general disturbance and the several drunken minors who were making themselves rather loudly known. Others allowed themselves to be photographed holding "Caltech 27, LaVerne 0" stickers and one even requested some to stick on police cars. All agreed that if there was anything that kept the rowdiness down it was the actions of the police and firemen. One student summed it up by saying, "I could see giving the cops a hard time if they were acting bastardly, but they've been too nice."

All in all it was a good night: a night of fun, a night of pride, a night to remember.

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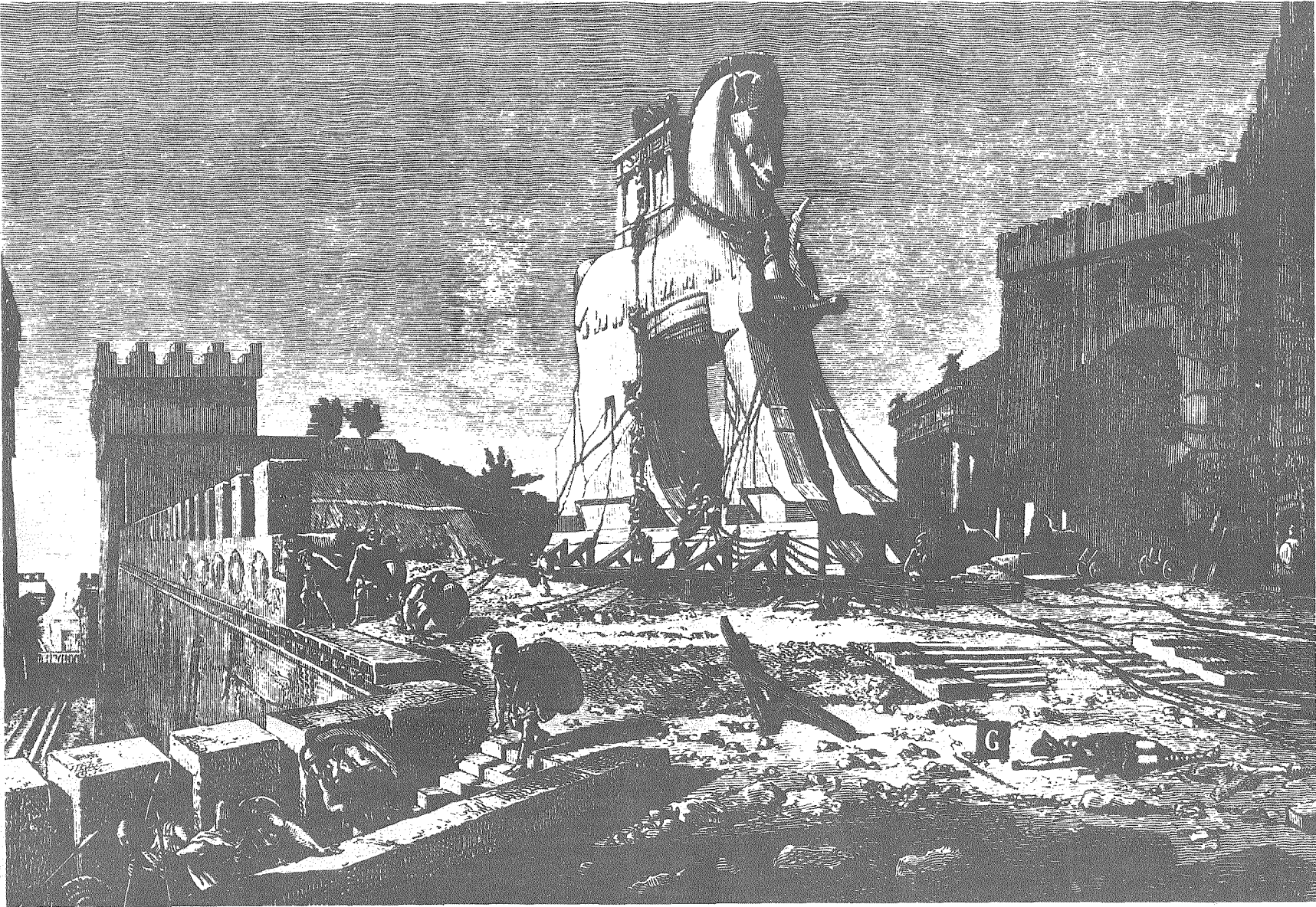
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Apologies to
Charles Schultz



Artist's conception of the first Caltech Victory Bonfire. Note old style football helmets.

News Briefs

Continued from Page Six
Thursday, Oct. 28 at 8:30. The lecture has been given widespread acclaim by faculty and students alike. Tickets are free, but going fast.

**Good News:
It's Coming!**
There are exactly fifty-six days left until the birthday of one Ludwig van Beethoven. Now You Know.

**SIMS is Coming
Head for the Hills**
SIMS (Students International Mediation Society) will hold its second lecture on transcendental meditation on October 28 at 8:00 p.m. in Clubroom 1 of Winnett Center.

Friday, October 22				
4:00 p.m.	Cross Country	Pomona	Home	
4:00 p.m.	Water Polo	Pomona	Away	
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4:00 p.m.	Cross Country	Pomona	Home	
4:00 p.m.	Water Polo	Pomona	Away	
Saturday, October 23				
10:00 a.m.	Soccer	Whittier	Home	
10:30 a.m.	Water Polo	CIT Alumni	Home	
1:30 p.m.	Football (Homecoming)	UC Riverside Frosh	Home	
Monday, October 25				
4:00 p.m.	Cross Country	Pasadena College	Home	
Wednesday, October 27				
3:00 p.m.	Soccer	La Verne	Away	
4:00 p.m.	Water Polo	Pierce College	Home	

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