

BEAVERS BEAT UCR FROSH 16-13

by Gavin Claypool
Sports Editor

Down by four with seven minutes left, the Caltech Beavers rallied to defeat the U.C. Riverside Frosh, 16-13, Saturday afternoon.

With 2:36 remaining in the fourth quarter, Lee Morris connected with John Steubs for 43 yards and the final touchdown.

Homecoming activities attracted a crowd of nearly 500 that watched the Beavers extend their winning streak to two games.

The streak is the Beavers' longest in eight years, and even their season record at 2-2.

One, Two, Three... Steve Bisset and John Morton provided most of the Tech offense, which was--as last

week--primarily on the ground. Bisset carried fifteen times for 44 yards and a TD. Morton made several first downs in gaining 43 yards, including runs of 19 and 11 yards that set up the field goal attempt at the end of the first half.

Unlike the La Berne game, the Beavers did not lead in any categories except for first downs. The Techers made 11, the Hilanders 9. UCR led in passing (10 completed for 171 yards), rushing (25 carries for 101 yards), and total offense (255 yards). In comparison, Caltech had 8 passes for 113 yards, 41 carries for 84 yards, and a total offense of 214 yards.

Late Rally

With Caltech leading 9-6 in the

final period, a Morris pass was intercepted by Riverside on their 21. One second down, quarterback Jon Edwards found Davery Jones open for 37 yards to the Tech 35. Two plays later, Jimmy Ardiss broke through the right side for the go-ahead score. Mike Tormey's kick made it 13-9.

On the series following the kickoff the Beavers missed a first down by about six inches. The defense forced Riverside to punt, and Tech took over on their own Twenty. After Morton gained 11 yards on a draw play, Morris passed to Steubs at the UCR 49. Steubs jumped and caught the ball between two Riverside defenders, who caught him instead of the pigskin.

Gary Stormo carried the ball to the 43, and then Morris passed to Steubs for the winning score.

Three in a Row?

The last time the Beavers won three in a row was in 1957, the last above .500 season for Tech. After defeating U.C. Riverside (!) in the opener, the Techers proceeded to lose three straight. In an abrupt turnabout, however, they won the last three, clobbering Cal Western 46-19, Occidental 27-14, and La Verne 21-7.

Cal Poly Pomona's Jayvees are next on the Beavers' list. The game will start Friday afternoon at 2:00 p.m. on the Pomona campus.

Early Scoring

Riverside got on the scoreboard

early. With third down and 13 on the CIT 37, Edwards hit Jones with a pass for the six-pointer. Tormey's kick was wide, leaving the score 6-0.

Later in the quarter, Frank Hobbs recovered a Riverside fumble deep in their territory to set up the Beavers' score. Morris carried the ball to the nine, and then hit Greg Hoit with a short screen that went to the five. Morris ran to the two, and on fourth down Bisset went up the middle and over the line. John Rogers' kick split the uprights and Caltech went ahead, 7-6.

Hot Potato

The rest of the half resembled in some respects the children's game of "hot potato". The first play fol-

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Theorem:

Christmas
= Halloween

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Proof:

31_{oct} = 25_{dec}

Volume LXXIII

Pasadena, California, Thursday, October 28, 1971

Number 6

Y Wants You To Register, Jeans West Will Pay You

by Claude Anderson

Although many weeks have passed since 18-year-olds were given the right to vote, many techers still have not registered. Are you one of them? There are two programs here which will facilitate your registration. The Caltech "Y" and a local clothing store are sponsoring these.

Tomorrow at noon on the Olive walk, speakers and Deputy Registrars from the Democratic and Republican parties will be on campus to talk to prospective registrants and to allow them to register or change their registration. John Cross, coordinator of the "Y" project, indicated that 40% of the voters under 21 have not registered with a party, but have declined to state their party preference. He emphasized the desirability of registration in a party.

The only registration requirements for Los Angeles County are that you be an 18 year old citizen and that you live here now and on election day in June. If you are not yet 18 but will be 18 by June, you can register for the primary and county elections which will be held before the school year is over.

Your registration may take many



It has long been maintained that: "Anything one Tech can do in one hour four Techers can do in four hours, maybe six if they hurry." However, the PHWH&RR provided a counter-example on Saturday night. —photo by Vella

Food Service Got You Down?

Canteen Needs Time

by E. Burner Pilate

Most students are unfavorably impressed when first confronted with institutional food. Very few institutional meals prove as appealing as a homecooked meal. Unfortunately, at Caltech homecooked meals are not available to most students. A little griping about the food on board contracts is inevitable. Currently the griping seems loud and rather indiscriminate. What most Techers don't

seem to realize is that sincere criticism might well improve the meals they eat.

As everyone is well aware, we have a new food service. Canteen was awarded the Caltech contract August 16. Caltech took pains to ensure that Canteen would provide palatable food. CIT's "duly authorized representative", Robert W. Gang (also manager of Residence and Dining Halls) eats all lunches and many of the breakfasts and dinners that Canteen prepares. Gang feels that two months is hardly enough time for Canteen to learn about Caltech's needs. The same problems in adjustment were encountered by Caltech when it took over food service from Saga in August '66. Canteen has a difficult task learning about which dishes techers prefer and how much of each to prepare, Gang maintains.

No More Pepper Steak!

The new head of food service, Henry Bieker, also feels that students are somewhat premature in judging Canteen. The new food service is planning a six-week cycle of meals; the meals of the last two weeks haven't all been tried yet. For the next month, and occasionally thereafter Canteen will try new food items. Some of them will fail. One example is the pepper steak—Bieker maintains there won't be a pepper steak meal again.

The food service managers are also trying to increase the quality of

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Police Fall Victim To Better Student Planning

by Peter Beckman
Jeff Mallory
and Channon Price

As the last seconds of Saturday's incredible game were being counted off by the deliriously excited Techers, plans were already afoot to celebrate the victory. A few hardy conspirators had already decided that the evening's pyrotechnics would be competently handled for once, their decision was backed by the power and might of the cryptically named PHWH&RR.

Of course, a bonfire meant some easily oxidizable material available in fantastic quantities—just the sort of thing that the builders of the CEAC greenhouse had foresightedly included in abundance in that structure. While the general staff of the PHWH&RR plotted and planned the stratagems for the upcoming evening, some of the "enlisted men" and a drill sergeant who would have made the Marines proud, formed a brigade to perform the more physical task at hand.

Going first to a nearby supply depot for the proper weaponry, they then marched on the deserted outpost north of San Pasqual. The Sergeant skillfully deployed his men from room to room, with instructions to leave nothing behind. In

spots where the going got rough, reinforcements were called in until everything had been wiped out or carried out. Two special shock troops were responsible for the wholesale destruction of many a formerly proud door, and a specially assigned group of scavengers were in charge of hauling out the remnants. Even attempted chemical warfare in the form of ten gallons of denatured alcohol released directly beneath the sergeant failed to stop the merciless rapists of the once formidable building. Everything was hauled out and dumped in full view of an anxious student body, while the larger pieces were savagely broken into more easily handled and transported sizes.

Din-Din

In each of the student houses orders-of-the-day (or night, as the case may be) were given at dinner. Only an elite corps of guerilla (gorilla?) fighters would be allowed to conduct the mission. The other volunteers would act as a diversion at California and Lake. They were not to leave their positions until the flame had been lit. Failure to obey orders meant summary cremation. (This isn't exactly what the Commander-in-Chief promised, but

Continued on Page Five

News Briefs

What Happened To KPPC?

The axe fell for all of the employees of KPPC on Sunday night—a shock to all of that popular progressive radio station's listeners. It is still a mystery why National Science Network would want to dump a format worth .3 megabucks a year in favor of a 'Top-40' type station. Anyone interested in petitions or boycotts supporting 'pre-Oct. 25 KPPC' should contact Nancy Stevenson or Ken Turner at 472-6690.

Here She Comes, Miss America

Miss America wants to come to Tech? That's right! A recent interview in the *Chicago Tribune* says, "... she plans to enter Cal Tech and do graduate work in radio and television." The electrical engin-

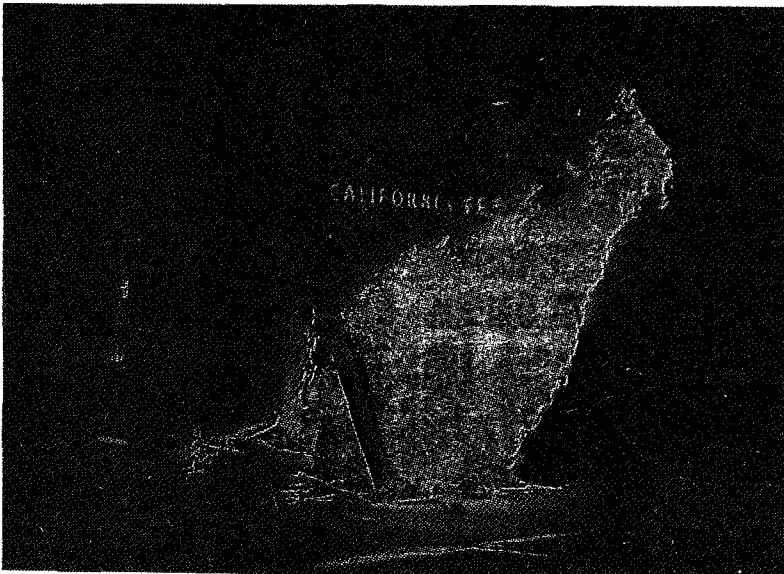
earing faculty was delighted by the news, and Dr. Martel has graciously volunteered to be her advisor. It's going to be a long, uphill battle, though: she did her undergraduate work in fine arts, music, and theater.

Ecologically-Concerned Cyclists To Visit Los Angeles Auto Show

SCEC (Southern California Environmental Coalition) is planning a mass bicycle migration to the L.A. Auto Show this Saturday. It is hoped that this demonstration will bring home to the manufacturers the ecological impact of their products and the need for an alternative to individualized motor transport. Cvclists should plan to be

Continued on Page Two

A Hot Time in the Town



Detonators have long fascinated Techers and other pyromaniacs. The engineers of this conflagration spared no expense to insure that the fire would start on cue and would spread rapidly. While professionals consider flashbulbs gauche, the use of a fully-charged capacitor for firing shows real talent. —photo by Vella

CALTECH FORUM

This item is from the Tech's Far East correspondent, Mr. Schroedlu, who is well remembered by many as the Tech's former business manager.

I don't know what. I have no way of knowing what. All I know, if that, is what My Vietnam is, and this is what My Vietnam is.

Vietnam Is—mosquitos, bugs and gnats so small you can hardly see them, but their bites bump up hard and long, and hurt.

Vietnam Is—rain coming down and in through the screen walls, soaking your bed while you lie on it reading a book, but you sleep on it anyway.

Vietnam Is—choppers, the helicopters, going Wop Wop Wop Wop outside and blowing papers and clothes onto the floor with their propwash.

Vietnam Is—lassitude: the compound dogs lying on the ground with their chins right down smack in the mud; never seen dogs do that before.

Vietnam Is—getting short, and yelling at the top of your voice about it, but then all normal sorts of behavioral standards seem to decay here.

Vietnam Is—dysentery, precarious equilibrium between the job, the shitter and the hospital.

Vietnam Is—12 beers a day, 50 cigarettes a day, a hell of a lot of smack a day, at least a high a day.

Vietnam Is—a fucked-up war, everyone agrees.

Vietnam Is—sand, swamps, V.D., whores, modern lotus-eaters hoping that mental trips away will be better for the balance of their minds than staying put, and probably being right.

Vietnam Is—a lot of dead people.

Vietnam Is—220 piasters a day for the shit-burners; that's \$0.80.

Vietnam Is—captured documents coming in with a picture of a wife and children torn to pieces by a Claymore mine.

Vietnam Is—directives about proper wear of the military uniform outside of your unit area of operations.

Vietnam Is—an awful lot of chicken and roast beef in the messhalls; more than the Vietnamese will ever see.

Vietnam Is—rockets at 4 a.m.

Vietnam Is—the black market ripping off things from the supply ships before they're even unloaded, down at New Port in Saigon.

Vietnam Is—50,000 American lives and the lord only knows how many billions of dollars so Mr. Thieu can give us all a lesson in freedom and democracy.

Vietnam Is—a 6 x 8 room for a year.

Vietnam Is—volleyball in the rain.

Vietnam Is—movies in an outside theater, or a makeshift one with a leaky roof, for free, but broken and with blurry sound tracks.

Vietnam Is—native hoochmaids talking in Vietnamese and you wish to hell you could understand what they're laughing at.

Vietnam Is—both sides trying to avoid contact with each other, at the moment, but people still getting ripped off.

Vietnam Is—malaria.

Vietnam Is—lifers putting each other in for awards and decorations.

Vietnam Is—having to maintain a jeep and do a job that you were never trained to do, after you were trained for 11 months to do something else...

Vietnam Is—the equipment double-play, Yankees to ARVNs to Charlie, or the junk-heap, whichever comes first.

Vietnam Is—two-star generals' choppers having a round, concrete landing pad, while everyone else lands on dirt.

Vietnam Is—regular guys working together in the hot sun to build a concrete patio.

Vietnam Is—General Abrams' mansion at USARVHQ.

Vietnam Is—somebody who shoots himself in the middle of the night and a photo man has to get up out of bed to go take pictures of the bloodstains on the floor.

Vietnam Is—grunts in the field.

Vietnam Is—a box marked Drug Amnesty Box kept in a prominent location by the unit heads in the hopes that somebody will put something in it.

Vietnam Is—beautiful sunsets.

Vietnam Is—watching jail-birds and freedom birds land and take off.

Vietnam Is—no mail for the fifth straight day.

Vietnam Is—an orderly room with 43 loose-leaf notebooks of army regulations, letters, pamphlets, and circulars, 40 different current files, and two or three hundred different sorts of blank forms.

Vietnam Is—never being clean.

Vietnam Is—Why Me?

Vietnam Is—molding laundry bags.

Vietnam Is—that radical you knew in the States pulling KP, perimeter guard and perimeter sweep with the 101st up North.

Vietnam Is—driving through Saigon and holding your nose.

Vietnam Is—driving through Saigon and holding your breath.

Letters

License Techers Not Firearms

It boggles the imagination to think that some of this nation's most gifted men and women would be so selfish as to endanger the lives and property of the citizens of the community. Without question, we of Pasadena are as pleased as anyone with Cal Tech's present winning streak, indeed, the whole world rejoices when CIT wins a football game. Be that as it may, it is unfair to burden the taxpayers of this city with the cost of maintaining a police and fire department for the purpose of preventing damage and inconvenience caused by bonfires started in the middle of busy intersections. But far more important than the monetary cost is the threat to lives involved in having the fire and police departments diverted. With pollution and poverty rampant in this nation, surely the energies of the students of Cal Tech could be put to better use than that of constructing conflagrations in the city streets. The people of the community should be made cognizant of the conduct of these students in order that public opinion may discourage further demonstrations of this kind.

—Al Fansome

Dear Sirs:

Before coming to Caltech in 1968, I had become totally disaffected to churches because of their supposed hypocrisy. But I was unsatisfied with my own ignorance of Christianity, so I read *Mark, Luke*, and the biblical accounts of Christ's life, during the summer after high school. I didn't understand much that I read, but I did feel that this differed from the impression that churches had given me. Upon coming to Caltech, I was anxious to meet Christians who were not "churchy", but were serious about living for Jesus Christ. So during that first year, a small group of Christians got to know each other, and Jesus, better and better. The acute loneliness of the first few weeks here faded away, and the ignorance and lack of understanding of Christianity was

replaced by some knowledge and understanding and by the conviction that Christ was providing a just, reliable, loving, and non-arbitrary guide for me.

So today I have many lifetime friends and the comfort of Christ, who I can take my troubles to, and the assurance that my life is based on facts and One who is objective, rather than my own point of view.

—Jim Stone

News Briefs

Continued from Page One

at McArthur Park (McArthur and Wilshire) at 12:15 p.m. for the 1½ mile ride to the Convention Center. The meeting there will run from 1:00 to 4:00 p.m.

Vietnam Is—not wanting to get up in the morning, but not wanting to stay in bed either.

Vietnam Is—someone taking a piss outside your room at 3 a.m. because he doesn't want to walk all the way to the pisser.

Vietnam Is—removing ticks from the dog's ears.

Vietnam Is—a horrendous mistake.

Vietnam Is—no light bulbs.

Vietnam Is—great, for smack freaks and sadistic killers.

Vietnam Is—sick.

Vietnam Is—three generals going up in their choppers each morning to shoot gooks, and the low man buys the drinks that night.

Vietnam Is—people lying to you on the radio.

Vietnam Is—a bad scene.

Vietnam Is—our blood, our parents' mistake.

Vietnam Is—my problem, and yours.

Human Potential Group Meets Again Tonight

"Discovering Your Body," the second session of the Human Potential Movement sponsored by the Y, will be held tonight in Culbertson Hall.

Halfway House Needs More Occupants

Any girl or couple interested in living in Halfway House, a communal living experiment, should contact Andy Ingersoll, Pete Szolovits, or Marc Aaronson.

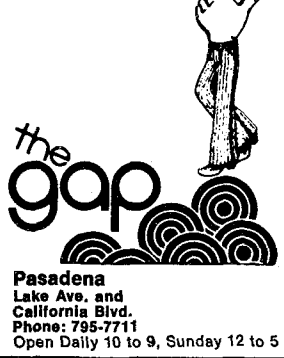
Current Hillel Club News

The Caltech Hillel is resuming its weekly lunch meetings. They will be held Mondays at 12 noon, in the Coffeehouse. The meetings are mainly as a get-together, with the purpose of discussing ideas for club action.

This Sunday evening, at 7:30 in the Penthouse Patio of the Keith Spaulding Building (Parkinson to upperclassmen), the weekly Israeli folk-dancing session will feature a Halloween costume party, without the usual one-hour instruction period. All Techers are invited to come and participate. 25 cents for non-members, one-year memberships \$3.

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FRANKLY SPEAKING by Phil Frank

'I GAVE HIM HIS ONE PHONE CALL AND HE CALLED SOMEONE IN FINLAND!'

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The
Critical
Ear

Bach Is Back!!
Austrian Musicians
Storm Beckman

Weather Report;ColumbiaC30661.
The title is an adequate expression of the ethereal qualities of this album. Five musicians, all tops in their fields, got together to create a piece of really modern music. Modern it is, but good?
I have played this album dozens of times and I still have very mixed feelings. The creation and arrangement are strokes of genius, but much of the record is just not listenable. The lack of continuity and mood counterbalances the thought and talent that went into its production.
There are a couple of exceptions. "Morning Lake" is probably the best cut instrumentally and is arranged very well. "Eurydice", in contrast to the rest of the album, has a continuous beat and is a fantastic jazz number.
Weather report may develop an appealing style that is understandable enough for today's audience, or maybe that audience will change its taste to meet the group's standards. But at any rate, I don't think we're ready for so much "creativity" yet.
-Claude Anderson

Concentus Musicus will perform selected Bach Pieces on Sunday, October 31 at 3:30. Fifty free tickets and 50 \$1 tickets were available Tuesday to Techtites*, but were completely snapped up by 10:00 a.m. Prices are \$3 for students and \$5 for General Admission. I think Sebastian Bach is happy you are coming.
Tyrolerfest an exciting song and dance group straight from Kitzbühel in the Austrian Alps, is coming to Beckman this Saturday for two performances at 2:30 and 8:30. Dancing with fantastic skill and energy, they've brought the customs and music of Austria to many audiences around the world. If you're a folk dance fan, a Deutscho-phile, or even if you don't know a zither when you hear one, you'll enjoy the colorful costumes, incredible feats, and native music of this Tyrolese company. Tickets are \$6, \$5, \$4 for the evening show and fifty cents less for the matinee at 2:30. Tech students are only \$2.
Coming November 12-The National Shakespeare Company of New York with "Twelfth Night".

FOURTH Puppets And Sex?

by Robert Geller
Positive thinking is sometimes the only way to approach both the bidding and play of a bridge hand. One frequently must play to make or defeat a contract and therefore assume that the enemy cards must be distributed in a certain manner. If the cards aren't just right multiple overtricks or undertricks, as the case may be, generally result. In the long run, if the doctrine of playing to make or break contracts is not carried to suicidal extremes, it will prove the winning strategy.
East was intrigued by the fact that he was not vulnerable and his opponents were, and so emboldened he opened three clubs. The danger of such foolish preempts, as today's hand illustrates, is not the prospect of a large penalty, but that the opponents may stumble into a game they might not have bid on their own. As opposed to that, East's preempt stood a good chance of throwing a profitable monkey wrench into enemy communications. On balance East's call of three clubs stands to gain far more than it loses.
After South's overcall and West's raise, North was faced with the choice between seeking a new suit
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North
S-Q, 7, 4, 2
H-A
D-K, 8, 6, 3, 2
C-10, 9, 8
East
S-10, 9, 6, 5, 3
H-K, 10, 4
D-7, 4
C-6, 5, 2
West
S-J, 8
H-9, 5
D-Q, J, 10, 5
C-A, K, Q, J, 7
South
S-A, K
H-Q, J, 8, 7, 6, 3, 2
D-A, 9
C-4, 3
North-South Vulnerable
W N E S
Pass Pass 3C 3H
Pass 4H Pass Pass
Pass
West led the six of clubs.
Continued on Page Seven

by Jeff Mallory
Techers will have the unique pleasure of attending the world premiere of the first and one-and-only puppet opera rated X next Friday, November 5, in Ramo Auditorium. With his creation still fresh from the Cabrillo Music Festival, Lou Harrison brings "Young Ceasar", his new and entirely different art form, to Tech to kick off the *Encounters 1971-1972* program.
Harrison's show (which, he says, is entirely not for children), follows the story of Julius Ceasar from his manhood ceremony at the age of 16 to his affair with the King of Bithynia.
As a part of the *Encounters* program, there will be a rap session for Techers and the public with Harrison on Thursday, Nov. 4, at 4:00 in the Humanities Lecture Hall in Baxter to talk with him and his group on "Young Ceasar", music, art, or practically anything. There's no charge for admission and it should be a very interesting discussion.
Through the kind and benevolent hearts of both the Beckman Staff and Mr. Harrison, Tech students are invited to the "dress" rehearsal of the opera sometime on Friday, the
Continued on Page Seven

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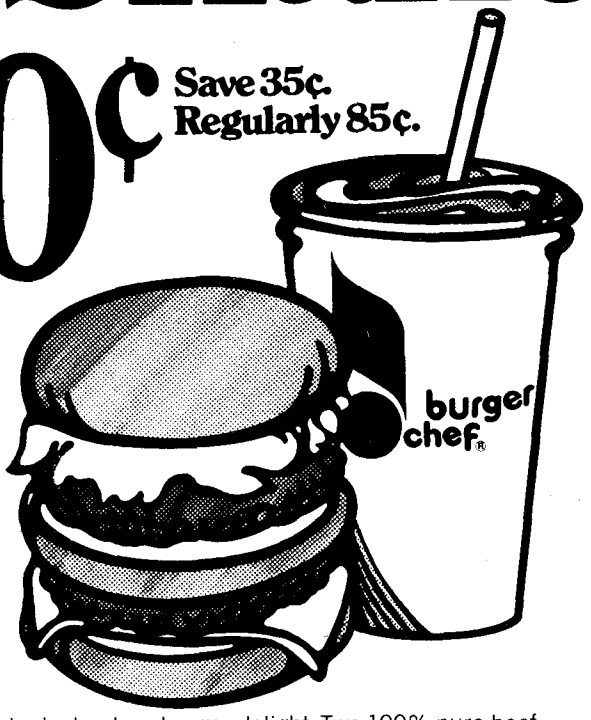
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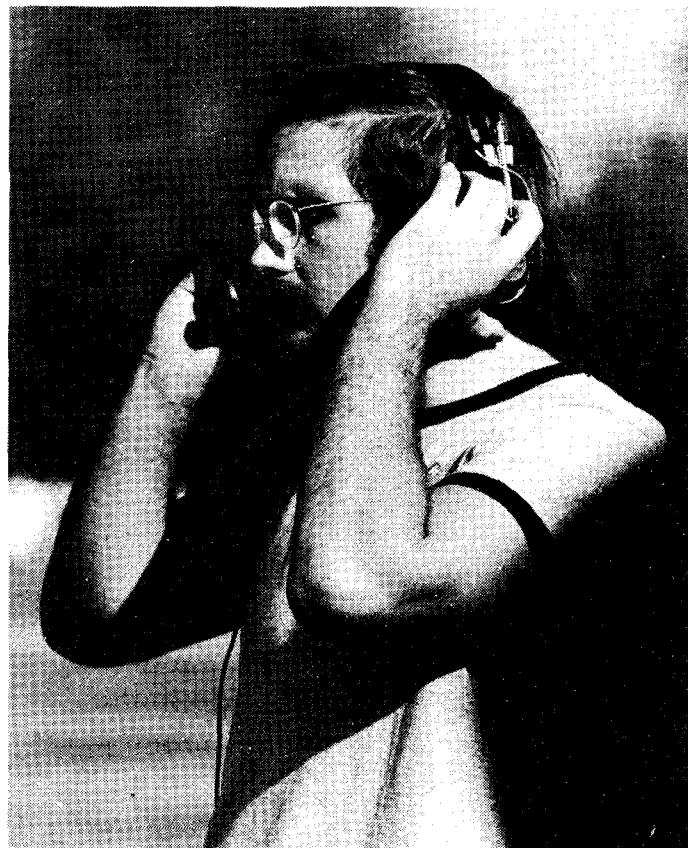
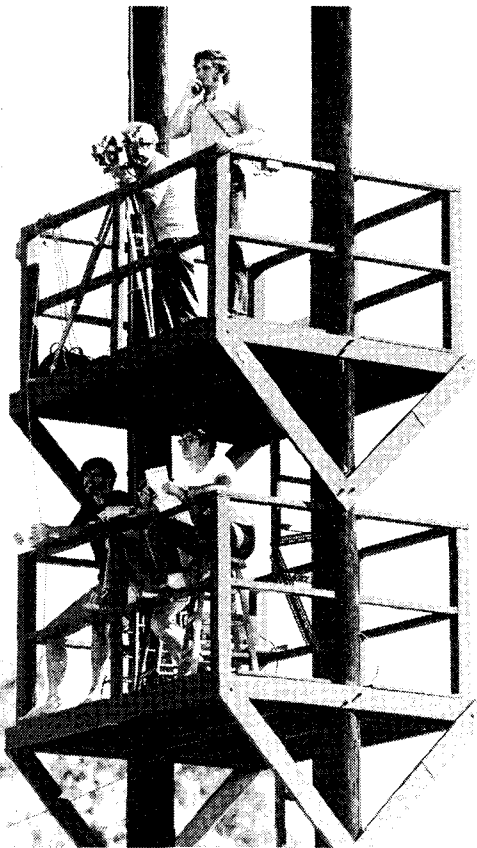
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Three In A Row

Water Polo Team On Streak

by Bob Kieckhefer

After barely losing to Claremont last Wednesday, the Caltech water polo team finally recorded its first victories of the 1971 season, over Pomona and the CIT alumni last Friday and Saturday.

The tankmen, as usual, started slowly against Claremont-Mudd, and defensive lapses led to three CHM goals in the first quarter. Tech bounced back in the second quarter, however, as Steve Sheffield bounced a free throw off a defender into the goal. Later in the quarter, after Virgil Shields blocked a CHM penalty shot, Tim Hight scored and Steve Sheffield put in a penalty shot, leaving the score Claremont 4, Caltech 3 at halftime.

Coates Ties

Tom Coates tied the score in the third quarter, but CHM went ahead early in the final period with a penalty shot score. Claremont had nine team fouls, however, so their next fould would give Tech an almost certain score on a penalty shot. Miraculously, they avoided getting called for any fouls for the last five minutes of the game, so Tech was forced to gamble to tie the score in the last minute. The gambles backfired, however, giving Claremont two more goals and a 7-4 victory.

At Pomona Friday night the Techers outplayed the home team but couldn't put many shots in the net. Steve Sheffield scored in the second quarter and on a third quarter penalty shot, but Pomona continued to press hard and force Tech mistakes. In the fourth period Pomona finally got on the scoreboard with a good hole shot and tied the score with a penalty shot late in the period, forcing the game into overtime.

Looking Gloomy

Things looked very gloomy for the visitors when Pomona got two goals in the first overtime period, but Steve Sheffield's long shots finally began hitting the mark in the second overtime period, and his three scores in the last two minutes gave Tech a 5-4 lead; the victory was sealed when he intercepted a Pomona pass in front of the Caltech goal with 20 seconds left and controlled the ball to run out the clock.

The next morning the tankmen took on a fired-up, but out of shape alumni team composed of Caltech graduates from 1942 through 1971. The alumni scored first, but soom the superior conditioning of the varsity paid off, and their close-in shots overwhelmed goalie Ken Hanson '71. The old men kept the score close, however, as Ed Evans '67 took the varsity by surprise with a 20-yard shot just before the first

half ended, making the score varsity 5, alumni 3. The varsity stressed ball control for the rest of the game, giving them a 7-4 victory. Steve Sheffield scored five goals while Tim Hight and Russ Desiderio got one each for the "young punks;" Hank DeWitt '68 scored three times and Ed Evans '67 once for the "dirty old men."

On the Line

The tankmen put their winning streak on the line yesterday evening against exhibition foe Pierce JC, and came out on top, 13-4. Sheffield scored seven goals for the Techers, with Desiderio contributing four and Hight two.

Page Four Photos by Ctein



Pasadena Bonfire

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this is a family newspaper.) (The Manson Family?)

Mess had brought a temporary halt to the pillage, but shortly after sundown, taking advantage of the lengthening shadows and darkening skies, the Raiders returned and established a beachhead loading zone. The convoys began arriving at about 2030, and both men and materiel were loaded for delivery to the underground staging area. The High Commander had even provided the individual drivers with instructions for travel so that detection and possible apprehension would be nearly impossible. These devious routes were the work of a sharpened mind familiar with our opponents. Upon arrival each of the transports disgorged their loads of conspirators and fuel, and made ready for the great cavalry charge.

Walking Ducks

Meanwhile, the decoys had began to gather at California and Lake. Several hundred Techers peacefully walked across the intersection, always obeying the green lights. The police were not obviously in evidence, being too busy with real world affairs, but according to some

Cross Country Trio
Runs For Naught

A depleted squad was the cause as the cross country fell to Pomona and Pasadena College this weekend on the home course.

With only three ready-and-able runners—Alan Kleinsasser, Scott Matthews, and Ralph Hayward—Caltech was unable to defeat opponents with teams not much larger than their own.

Last Friday, Pomona defeated the Techers, 17-42. Kleinsasser finished fourth in 31:26, with Matthews and Hayward seventh and eighth, respectively. Monday, a twice-postponed meet with Pasadena was finally held, ending in the visitors' favor 19-36. Matthews came in fourth, with Kleinsasser fifth and Hayward eighth.

Ruddock House Unbeaten

by Gavin Claypool

Ruddock House defeated all comers to take first place in the Interhouse softball competition for 1971-1972.

The road to success was not easy. After two come-from-behind wins earlier this year against Ricketts and Page, the Rudds edged past Blacker, 4-3, for their last conquest Friday.

Thursday they demolished Fleming by a score of 11-0.

Second place Ricketts could only sit and watch, as Ruddock clinched the crown. The Scurves had the week off until Tuesday, when they were defeated by Page in a make-up game, 8-5.

Page finished in a tie for third with Fleming at the .500 mark. Fleming, the former champs, came back from two early season losses to salvage the tie.

Blacker, who dealt the Flems one of those defeats, finished in fifth

along with Lloyd. In the cellar landed the mighty Darbs, who avoided a winless season by knocking off the Moles, 8-2, on Monday.

Standings

(Final)				
	W	L	Pct.	GB
Ruddock	6	0	1.000	-
Ricketts	4	2	.667	2
Fleming	3	3	.500	3
Page	3	3	.500	3
Blacker	2	4	.333	4
Lloyd	2	4	.333	4
Dabney	1	5	.167	5

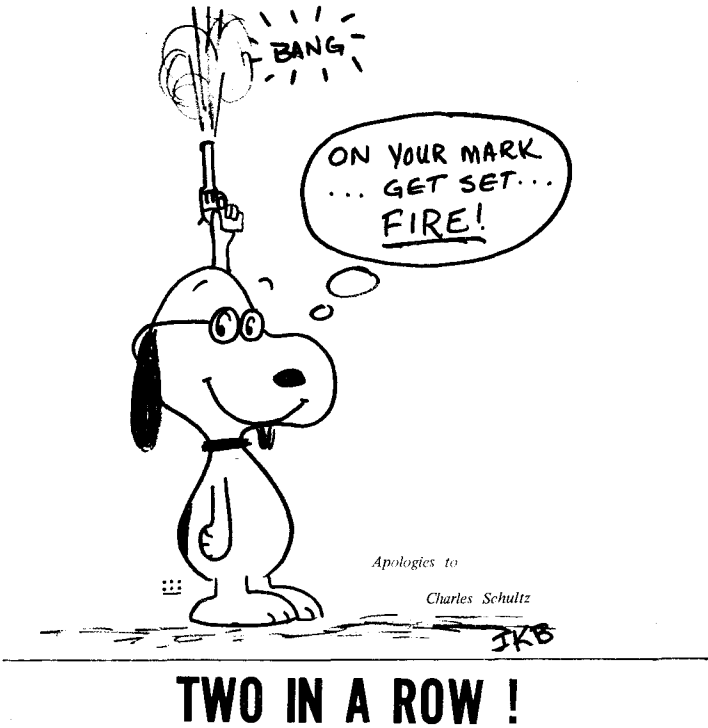
Results

Th: Lloyd 15, Page 14.
Ruddock 11, Fleming 0.

F: Page 8, Dabney 2.
Ruddock 4, Blacker 3.

M: Dabney 13, Blacker 4.
Fleming 21, Lloyd 1.

Tu: Page 8, Ricketts 5.



witnesses a couple of plain-clothesmen were on hand waiting for something to happen.

Fooled Ya

There was a moment (10:08 to be precise), even a prolonged moment, of silence as the Commander-in-Chief left the safety of (Federal Savings)¹ and walked up the driveway to the street, clutching his starting pistol. The wood load was carefully laid out in one or two-man piles, The silence stretched on. The reconnaissance mission lasted but a scant few minutes: barricades went up at Hudson and Del Mar, Lake and Cordova, and Del Mar and Mentor. Then came the shot heard 'round the block. At very close to its preordained H-Hour, 25+ bods came roaring up from the parking lot with their precious cargoes. Unfortunately, several befuddled cars were in the intersection at the time. However, the situation was quickly remedied as the drivers saw a mound of wood suddenly appear in the middle of the intersection: they got the hell out of there.

The bonfire was unique in several ways: it was organized, it came off perfectly, and it had a very special ignition device. As the stack grew higher, a flashbulb wrapped with matches and attached to a very long wire, was gently thrown into the middle of the heap. After the five gallon gas can was emptied, the exuberant pyros attached a fully charged 100 volt capacitor across the very long wire and Pasadena was lit up with a brilliance that has rarely been seen (mainly because there are so few occasions when such a devious mode of celebration is called for). The fireball produced when CEAC's remains went up in flames was enough to warm the heart of even the most trollish of Techers.

Stampede

Back at California and Lake the decoys froze as flames came to life two blocks to the north. Then, discarding their civilian disguises, they began a fantastic charge up

Continued on Page Seven

Continued from Page One

lowing the kickoff return had Steubs recovering a Riverside fumble. Morris promptly fumbled the ball back, and Riverside began a drive to the Beaver 12. They eventually tried a field goal from the 16, but Tormey's end-over-end kick was to the left side.

Beavers' Stats

	UCR	CIT
First Downs	9	11
Passes Attempted	29	23
Passes Completed	10	8
Yards Gained	171	113
Passes Had Intercepted	3	3
Opponent's Runback (yds)	65	15
Rushing Plays	25	41
Yards Gained	131	101
Yards Lost	30	17
Net Yards Gained	101	84
Total Offensive Plays	64	54
Total Yards Gained	255	214
Fumbles	4	1
Fumbles Lost	2	1
Penalties	6	5
Yards penalized	51	32

After taking over the ball on their own 20, the Beavers had their third down pass intercepted by the Riverside cornerback at the CIT 31. On their third down, Bob Bales picked off a pass on the 14, and ran it back 15 yards.

Dipsy-Doodle

Riverside's next to last series was one of the strangest ever seen. With first and ten on the Hilanders 20, Edwards called for a double reverse pitchout pass. The play went smoothly from Edwards to Larry Ware, then Beil Cappellitti, and back to Edwards, but Jones was unable to catch the pass. After two more incompletes, the Hilanders lined up in punt formation. The center, Nick Buchler, then hiked the ball over Tormey's head, and it

bounced through the endzone for a safety.

Following the kickoff, the Beavers drove to the UCR 18, where Roger's field goal attempt failed just before halftime.

Tough Defense

The third quarter was the high point for both defenses. Neither team was able to make a first down until Riverside succeeded with 32 seconds left.

Band, Rah!

During halftime, the Caltech Marching Band made their premiere performance. To last week's repertoire of "On Wisconsin" and the Caltech Alma Mater, were added such hits as the theme from Hawaii Five-O, "Sounds of Silence," and "We've Only Just Begun." Complex formations of a football, the letter "S" and a magnifying glass made by 21 Techers entertained the local fans.

UC Riverside 6 0 0 7 - 13
Caltech 7 2 0 7 - 16

UCR--Jones 37 pass from Edwards (kick wide)
CIT--Bisset 2 run (Rogers kick)
CIT--Buehler hiked ball into endzone for safety.
UCR--Ardiss 29 run (Tormey kick)
CIT--Steubs 43 pass from Morris (Rogers kick)

Interhouse Trophy

House	Points
Ruddock	63
Ricketts	54
Fleming	40.5
Page	40.5
Blacker	22.5
Lloyd	22.5
Dabney	9

YE OLDE SPORTS MENU

Friday, October 29

2:00 p.m.	Football	Cal Poly Pomona JV	Away
4:00 p.m.	Cross Country	Redlands	Away

Saturday, October 30

10:00 a.m.	Soccer	Claremont/Harvey Mudd	Home
10:00 a.m.	Water Polo	Redlands	Home

Wednesday, November 3

8:00			
2:30 p.m.	Soccer	Redlands	Home
2:30 p.m.	Water Polo	Occidental	Away

Friday, November 5

4:00 p.m.	Cross Country	All-SCIAC Meet	Host -- Caltech
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Saturday, November 6

10:00 a.m.	Water Polo	Claremont/Harvey Mudd	Away
10:30 a.m.	Soceer	Chapman	Away
1:30 p.m.	Football	Azusa Pacific JV	Away

Bridge

Food Service

Continued from Page Three

and supporting his partner's. Since South had overcalled at the three level at unfavorable vulnerability, his suit was almost certainly good enough to play opposite a singleton ace. Any search for a new suit was impossible at this point, so North just bid four hearts.

West led the six of clubs, then followed with the two on East's second club winner. Naturally East played another high club. Even though East has preempted and West played high-low in clubs, South must ruff with a low club (the eight on the off-chance East has the ten and nine). If West overruffs, unless it's with a holding of doubleton king. Not very hard you say. Well you're right of course, but a good declarer ruffed with the queen (for no good reason at all) and went down one in a cold contract.

Student Shop Lives On

The Student Shop will hold its third in the continuing line of shop courses this Saturday in the basement of Winnett. The time has been pushed back to 1:00 to allow the committeemen to sleep a little later.

Sorry about that,
Ma Hale!

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Continued from Page One

the food by organizing the food service staff and facilities in a more effective manner. The South Complex, for instance, is being made less dependent on the North Complex so that now students in the old houses are eating on a par with those in the new houses. Work schedules have been adjusted so that food service is not understaffed on the weekends. As Canteen learns what the students want it will continue to improve. Bieker emphasized that what are really needed are serious suggestions on how to improve dishes. The food service staff needs to know which entrees you like and dislike and the reasons why.

Food Reps
The way students can make certain they get food they like is to

express their opinions about the meals, either directly to the food service managers or to their house food representatives. Checking in the houses, I found few people who knew who their food reps were. The food reps for the houses are: Blacker-Brian Jack; Dabney-Peter Groom, Andrea Goldfarb; Fleming-Charles Ludvik; Lloyd-Bill Molzon; Page- Mark Boals; Ricketts-Ken Walker; Ruddock-Bob Bresler.

Talk to your food rep. about your preferences and suggestions. It's especially important now, because it is easier for Canteen to switch meal items now. So, speak up about the food. If you don't, then it's your fault if Caltech eats it.

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and a time not to



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Bonfire
Continued from Page Five
Lake Street. The students sprinted, jogged, or simply walked up the street, secure in the knowledge that their efforts had not been for naught.
Unfortunately, the police were more alert than they had appeared, and within a minute they had rushed up (do you really rush up to the nth harmless fire as n gets arbitrarily large?) with their decorations all aglow to benevolently direct the random car that happened by, and to wait patiently for the fire trucks and the screaming throng of Techers that would arrive shortly.
When they arrived at the scene of the bonfire the students repeated their previous preformance until the firemen arrived to put out the blaze. A few boos and hisses greeted them, but unlike three years ago there were no attempts to steal the fire hoses.
Finally, when the pyre was

completely doused, those Techers who still maintained PHWH&RR discipline began the traditional clean-up. The remains were piled back into two of the trucks that they had come in, and were unceremoniously dumped into waiting trash recepticles near Noyes.
The students scattered back to campus to revel in their good spirits (or revel in good spirits) or return to snaking and other meaningless activities. Thirty-one members of Page, following a tradition created only eight days before, recorded the victory on the scoreboard (Due to a lack of the correct letters, the sign read "CALTECH 16 RIVERSIDE 1A") at Rosemead High School after consuming over fifty dollars owrth of ice cream at Farrells.
Gorged and gleeful they returned to Tech to await the outcome of this week's gridiron melodrama.

Beckman
Continued from Page Three
fifth-watch next week's TECH for the final arrangements.
Tickets are selling like mad, but there are still some left. Prices for Friday's 8:00 performance are \$5 for General Admission and \$3.50 for students. Flash your ID and the price drops to \$1. Hurry, nonhaste makes waste.
Don't forget-Cary Lu's repeat lecture on "The Contribution of Progressive Myopia to the Rise of Impressionism: Visual Problems in the History of Art" is tonight at 8:30 p.m. in Beckman. It's free, but tickets are required, and if you haven't already gotten tickets, you're out of luck. If you show up anyway, there's a chance there will be cancellations or standing room.

Register
Continued from Page One
forms: first time registration, change of party affiliation, addition or drop of party affiliation, or change of locality. Cross stated that many states do not have absentee ballots and pointed out the need to vote in the place where you live most of the year.
From now until November 13, Jeans West, Inc., at 160 S. Lake is sponsoring a campaign called "We'll Buy Your Vote." This will be conducted from 3 to 8 p.m. on Monday through Friday and from noon to 5:00 p.m. on weekends. A dollar discount on any item in the store will be given to those who register to vote.

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Stamp Out Physics!

Feynman Finally Licked

by Noway Nohow

What this paper really needs is a good \$.02 stamp column, and an unprecedented event at Caltech has made this column relevant and necessary. A new stamp may soon appear on the envelopes which enclose your deluge (sigh) of mail.

It's 2:30 p.m. on a bleak Tuesday in Mid-December. You've been trolling for your physics final since 2:30 p.m. Monday, so you decide to check your mail. On the way back to your room it hits you. No, you're not suffering from hallucinations and quadruple visions. There, staring back at you from the top of the envelope, is the fourfold face of Feynman.

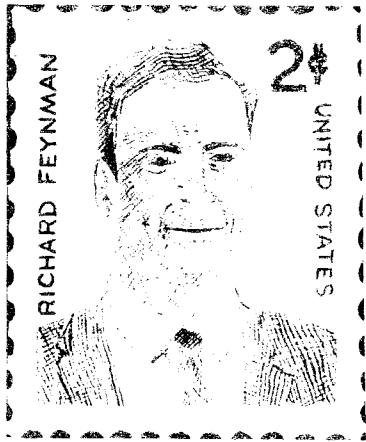
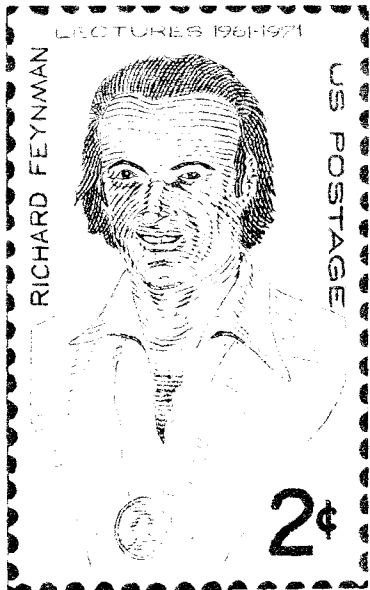
The stamp, designed by Tech freshman Gary Hansen, is to commemorate the decade since the original Feynman lectures. The \$.02 stamp will be blood red and white, just as are all three volumes of the cherished book by the man whom it honors. Although it will take four of them to get a letter off, they should help you lick your physics problems.

For the freshmen who will receive their grades in the mail during Christmas vacation, each will realize that no matter what letter appears on that report for Ph 1a, he can't stamp it out. Rumor has it that on January 3, registration day for second term, an accompanying

air mail stamp, which will picture Dr. David Halliday, will be issued. From that time forward, you will have the choice of two tracks for your mail to follow. When grades are posted, you will know that both tracks lead to chaos.

Who says Physics isn't worth two cents?


Editor's Note: We have pictured both the final version (left) and one of the preliminary sketches because we felt that each version is worthy of merit.




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NOVEMBER	2	An evening of comedies with Chaplin, Langdon, Sennett, Charlie Chase, Laurel & Hardy Silent Movies	18	Jane Goodall lecture: "Family Relationships Amongst Chimpanzees"
	5	World premiere of LOU HARRISON'S puppet opera "Young Caesar"	19	"PARIS", with Eric Pavel Armchair Adventures
	8	Robert L. Sinsheimer Ph.D. lecture: "Design in Nature" *	21	FINE ARTS QUARTET Performing Haydn, Hindemith and Brahms
	10	Baron Hugo van Lawick lecture and film: "Wild Dogs — The Wolves of Africa"	22	Albert R. Hibbs, Ph.D. lecture: "New Solutions for Traffic Congestion" *
	12	"TWELFTH NIGHT" National Shakespeare Company of New York	23	John Whitney lecture: (Sold Out) "A Computer Art for The Video Picture Wall" *
DECEMBER	13	JAMES DICK Outfending American pianist; Tchaikovsky award winner	30	"ROBIN HOOD", plus 1940's Greatest Silent Movies
	16	"THE LOST WORLD" and "TARZAN OF THE APES" Silent Movies		
	2	Charles R. Dockum lecture: "Color Organ" * (Sold Out)	6	Lester Lees, M.S. lecture: "People, Power and Pollution" *
	3	"TURKEY", with John M. Goddard Armchair Adventures	9	MARCEL MARCEAU (Sold Out) French pantomimist
	4	DEBU, master of the sitar, from India	11	"THE KING OF KINGS" Silent Movies (matinee & evening)
JANUARY	10	Charles B. Archambeau, Ph.D. lecture: "Sea Floor Spreading and Continental Drift: Manifestations of Planetary Evolution" *	23	PASADENA SYMPHONY ORCHESTRA (matinee & evening)
	21-22	MARIE MARCHOWSKY and company in a dance program *	24	Louis Breger, Ph.D. lecture: "Implications of Recent Research on Dreams" *
			28	JOHN LILL, pianist and winner of the 1970 Tchaikovsky competition
	FEBRUARY	4-5	CARLOS MONTJOYA world renowned Flamenco guitarist	22
8		TORU TAKEMITSU and his new chamber works from Japan	25	"THE ROCKIES", with Don Cooper Armchair Adventures
11		VIENNA CHOIR BOYS The world's most beloved choir	26	MARY COSTA, soprano & SHIRLEY VERRETT, mezzo-soprano Two superb American artists in joint recital
MARCH		4	NANA MOUSKOURI and The Athenians Beautiful Greek folk singer	11
	8	GYÖRGY LIGETI "Ten Pieces for Wind Quintet" and other works	19	TOKYO QUARTET Performing Mozart, Miyoshi and Beethoven
	10	"POLYNESIA", with Stanton Waterman Armchair Adventures		
	APRIL	1	THE YOUNG AMERICANS Popular group of young singer-performers	16
6-8		JACK ARANSON presents his tour de force, "Moby Dick" *	19	LEON KIRCHNER conducts own work with string quartet led by Eudice Shapiro, and mezzo soprano Claudine Carlson
12		OLIVIER MESSIAEN & YVONNE LORIOD, pianists, performing Messiaen	23	NEW YORK CHAMBER SOLOISTS Performing Handel, Mozart, Schubert, Monteverdi
14		"RUSSIA", with Dirk Reddy Armchair Adventures	28	FIESTA MEXICANA Colorful songs and dances from Mexico
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*Ramo Auditorium. All other events in Beckman Auditorium, San Pasqual and Michigan, in Pasadena. Most performances start at 8:30 p.m., except Silent Movies at 8:00 p.m., and Sunday Chamber Music Concerts at 3:30 p.m. Tickets for these events are available at the Caltech Ticket Office, 332 S. Michigan Ave., Pasadena; and at Mutual Agencies, Liberty Agencies and Ticketron Agencies. For information call 793-7043 or 795-6841, ext. 1652.

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