Did You Participate In

The CALIFORNIA Tech

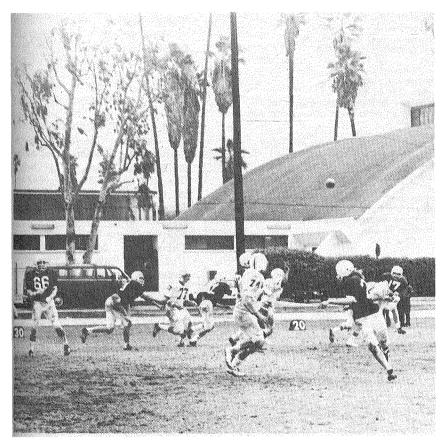
An Interhouse Erection?

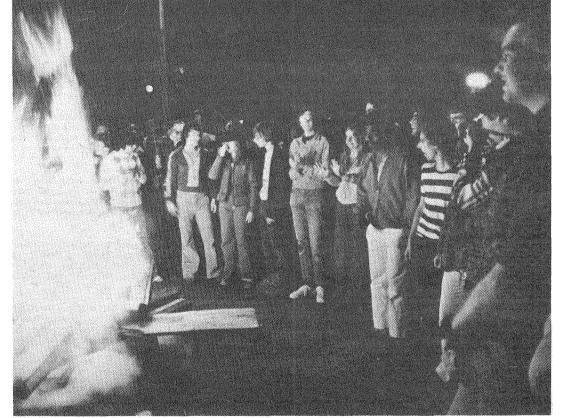
Volume LXXX

Pasadena, California, Friday, November 17, 1978

Number 9

THE BEAVERS BLAST LA VERNE LEOS





Photos by ed. & Alan Loh

Mud & Fire

One More Time!!!

by Red Shorts and Jim Kleats

The mighty Caltech football team won its second straight game last Friday against the La Verne JV, beating them 14 to 6. Despite the wet field, the Beavers played strongly and consistently, overwhelming the Leopards throughout the game.

The game started slowly as the muddy field helped prevent any scoring by either team in the first quarter. Caltech got its mud game together early in the second, though, and QB Mark Fortunato followed up a Curt Trimble running drive with a touchdown pass to Doug Tally from the 25-yard line. Peter Drapes' kick was good, and the Beavers took a 7–0 lead. Half-time found La Verne's Leopards still trying to put together an offense on the slippery gridiron.

As the second half opened, neither team was able to do much with the ball; inside the quarter the Beavers were forced to punt three times and La Verne gave up the ball twice.

Just as the third quarter closed, the Leopards scored six on a pass/run from the 27-yard line. Their run attempt for a conversion failed, though, and CIT maintained a slight edge, 7-6.

In the fourth quarter, Caltech started off by fumbling the ball after a good running drive, but got it back on a La Verne double fumble when two Leopards lost the ball in the same play behind the line of scrimmage. From the 22-yard fumble recovery line, the Beavers were able to pull out another TD on a pass to John Zacharias. The kick was good, making the final score 14 to 6.

The strong Caltech offense gave the Beavers 11 first downs in the game. Leading the team in carries was Curt Trimble, who ran with the ball 17 times for a total of 82 yards. Other strong offensive players were Doug Tally, with 53 yards in 12 carries, and Scott Reynolds, with 20 yards in 11 carries.

The tough defensive line held the Leopards to 1 first down for the entire game. Mark Boslow and Marc Wold led the team in tackling. Boslow had 4 tackles and 2 assists, while Wold made 4 tackles and 1 assist. Other noteworthy players were Bill Graham (4 tackles), Terry Thomason (2 tackles, 2 assists), and Charlie O'Neill (2 tackles, 2 assists). Malcolm McCulloch kicked 5 punts for a total of 143 yards.

Caltech dominated the game and impressively outplayed La Verne. The Beavers rushed for a total of 145 yards, giving them a total of 168 offensive yards. In contrast, La Verne's only offensive yardage came on the 28-yard touchdown pass. [At the half, it was Tech 102 yards, La Verne 1!—ed.]

Caltech's last football game for this year takes place this Saturday on the Beavers' home field. The game, which is against Tijuana Tech, starts at 1:30. If Caltech wins this game, it will be the first time since 1957 that they have won three games in a row. So come cheer the Beavers to victory!

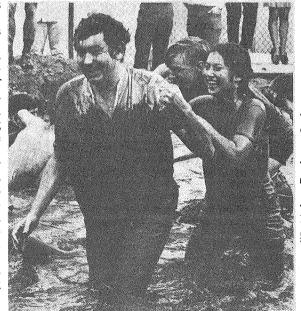
MUDEO!!!

This Sunday marks the return of that glorius tradition where the freshmen and sophomores get their chance at some glory in the mud: the Mudeo. It will be held at 1:00 pm in the vacant lot on the south side of Del Mar Blvd. between Wilson and Michigan.

The first event [after, of course, the frosh clear out the rocks] is the traditional class *versus* class struggle, the Tug of War. This is followed by the Sack and Wheelbarrow Races. The next confrontation is the true test of courage in person to person combat: Horses and Riders (called

Chickenfights by some). The final event is the Tire Spree, which is a massive battle for possession of the most bitterly contested tires predating the Firestone 500's.

The Junior Judge (me) has the right to substitute, eliminate, or add events, and decides upon their relative point values for the making of the final decision. All



decisions are final and probably arbitrary. I (and any other judges I may recruit) are only fair game for one hour after the last event.

Recommended apparel is the scrungiest available. Shoes are *required*, and cleats, spikes, or similar diabolical devices are forbidden. Hope to see you all there, and freshmen—make sure none of the sophomores in your house miss their chance to prove themselves.

–Jim Fruchterman

Tech Commended

To the Editor:

I feel that you must be commended for the rare daring of advancing journalism in a manner yet untried outside of this institution. In your humble paper lurks a gem unique and unmatched in this universe. Of course I refer to the "Random Numbers" column. Where else can one turn to see the new styles of writing, unbound by the old and outdated rules of English? No longer need anyone agonize over dangling prepositions, word order, tenses, or other such bothersome details! [Let us not forget starting sentences with conjunctions!-ed.] How wondrous. And the subject matter is a definite indication of future journalistic trends. Yes, away from the weighty and mundane and on to the light and airy! Every column fully depicts the agony of the writing and the ceaseless toil to meet every deadline with quality material. And t h e thought-provoking ramblings on the sinfulness of various campus practices and establishments are astounding. Many is the time when I have sat on the edge of my chair waiting to discover if you still survive!

How does such an amazing column survive? Perchance the spectre of an even more admireable (sic) and innovative alternative-void-wrongfully haunts you. Humbly,

-Craig Jones

[I regret to inform Mr. Jones that the "future journalistic trends" he notes have been with the Tech for well over 40 years.

Back in the days when men were men, and giants walked the earth, there were extant, columns by the names of "Uncle Yehudi's Kampus Keyhole'', California Tick", "Ephemerae" and "Campus Brewins". They all dealt with the "sinfulness (and attempts thereat) of various campus practices and establishments" (not to mention the students). They are all the direct spiritual predecessors of "Random Numbers". They were, if we can judge from their tenure in the Tech, very well received. In fact, "Campus Brewins" was a weekly feature from when the Tech started printing again in October 1946 until June 1959 "Bright Lights . . . Coffee . . . And Shoes" replaced it. No other column in this paper approaches this paragon of longevity.

In closing, allow me to say that I do not mean to intimate that the Tech eschews space-filler copy: after all, we did print Mr. Jones' letter. -ed.]

Random

Well, we don't have the 17 pages this week either. But we may have something better, an MIT drinking song. No, I am not responsible for this and I do not know the melody to which it is sung, but here it is for what it is worth. Also, I don't yet have my dental tools back. I really would like them. I would also like the blue plastic Everready flashlight that disappeared at the last bonfire back, please. Blacker mailbox under 'M' please.

Many thanks to Elizabeth "Chris" Brown of Duke University for providing the song. It is a fun song but some of the words do need to be changed.

-Duncan G. Mahoney

Thuncan

by P.M.



Applications are currently

being solicited by the Josephin

de Karman Fellowships Program

Approximately 12 scholarship

are awarded for one academ

year for approximately \$250

The deadline for submitting

applications is January 31, 197

All students interested should

application forms on or before January 15 to: Mr. T. E. Beehan

Secretary, Fellowship Committee

Josephine de Karman Fellowshi

Trust; c/o Aerojet General Corporation; 9100 East Flat Drive; El Monte, Californi

91734. Students may contact th

Financial Aid Office with an

questions they may have, 20 Dabney Hall, x 2280.

EÄLIFORNIA' 1'ECh

Published weekly except during

examination and vacation periods

by the Associated Students of

the California Institute of Technology, Inc. The opinions expressed in all articles are

strictly those of the authors and

do not necessarily reflect those of the editor or of the

Editor-in-Chief

ed. Bielecki

Writers Beausoleil, Eve

Susan Grace Boyer, Jeff Copeland

John Avery Deane, Bill Gould, Patrick Frantz, Frank Haggerty, Rock Howard, Chris Juten, Don

Korycansky, Mike Kurilla, Duncan Mahoney, Karen Pickens, Robert Tajima, Richard Wilson, David Younge

Photographers

Production Nick Smith, Fred Vachss

Business Manager

Head Paper Boy Carl Lydick

California Publications Office: 115 Winnett Center 107-51, Calornia Institute of Technology, 1201 East

California Boulevard, Pasadena, California 91125. Telephone:

91125.

795-6811, Editor—ext. 2153 Business Manager—ext. 2154

Printed by News-Type Service, Glendale, California. Second-Class

Subscriptions

\$1.50 per term

\$4.00 per year \$100 per life

at Pasadena

paid

California.

Alan Loh, Yin

Joe DiGiorgio, A Shih, Dave Wheeler

Friday, November 17, 1978 ·

The

Volume LXXX

corporation.

write for information

Fellowships!

M. I. T. Drinking Song

Godiva was a lady who through Coventry did ride, To show the royal villagers her fair and pure white hide, The most observant man among them, an engineer of course, Was the only one who noticed that Godiva rode a horse.

We are, we are, we are, we are the engineers. We can, we can, we can demolish 40 beers. Drink rum, drink rum, drink rum all day, and come along with us, for we don't give a damn for any old man, who don't give a damn for us.

She said, "I've come a long, long way, and I shall go as far, with the man who takes me from this horse and leads me to a bar. The man who took her from her steed and led to her to her beer, was a bleary-eyed surveyor and a drunken engineer.

The Army and the Navy went out to town to have some fun, They went down to the taverns where the fiery liquors run, But all they found were empties, for the engineers had come, And traded all their HPs for gallon kegs of rum.

My father was a miner from the upper Malamute, My mother was a mistress in a house of ill repute, The last time that I saw them, these words rang in my ears, 'Go to MIT, you son of a bitch, and join the engineers.'

Venus was a statue made entirely of stone. Without a stitch upon her, she was naked as a bone, On seeing that she had no clothes, an engineer discoursed, 'Why the damn thing's only concrete and it should be reinforced."

Princeton's run by Wellesley, Wellesley's run by Yale, Yale is run by Vassar, and Vassar's run by Tail; Harvard's run by stiff pricks, the kind you raise by hand, But MIT's run by engineers, the finest in the land.

If we should find a Harvard man within these sacred halls, We'll take him up to Physics lab and amputate his balls, If he should holler uncle, I'll tell you what we'll do, We'll stuff his ass with broken glass and seal it up with glue.

Sir Francis Drake and all his ships set out for Calais Bay, For they had heard a rum ship was headed on their way, But the engineers had beaten them by a night and half a day, And though as drunk as Ptarmigans you still could hear them say,

A maiden and an engineer were sitting in the park, The engineer was doing advanced research after dark, His scientific method was a wonder to observe, As his left hand did the figures, his right hand traced the curves.

Reply on ERA

To the Editor:

I would like to comment on R. C. Colgrove's rather abstruse letter of last week concerning the ERA. It seems to me that his statement was written from a naive understanding of the nature of discrimination and legislation against it, especially with respect to sexism and the ERA. The ERA reads (Section 1):

"Equality of rights under the law shall not be denied or abridged by the United States or by any State on account of sex.' He felt it should read:

"In no situation shall any citizen be denied equality under the law on any basis other than characteristics of that individual which are relevant to that particular situation."

There are obvious problems in Mr. Colgrove's suggested version of the ERA in that it is so vague that it could be interpreted to uphold discriminatory practices. For example, a women could be denied employment because "male" characteristics may be considered relevant to particular job.

The strength of the ERA is its simplicity. All it says is that you can't discriminate on account of sex. Admittedly it addresses itself specifically to the plight of women, but the ERA is aimed at achieving sexual equality, not female superiority. There is nothing unjust about this.

In brief, women discriminated against and there must be specific legislation to with this form of discrimination. Of course, if the ERA is accepted, there will be many problems in its implementation, but this is expected because of the sexist nature of our society.

–Řobert Tajima

The Caltech Y....

 $_{\square}^{\square}$ Friday, November 17, 1978, MIKE GARSON TRIO. Jazz Music. At noon on the quad. Bring a lunch.

Saturday, November 18, 1978, DAY HIKE TO ECHO MOUNTAIN. Leave Caltech at 9:00 am. Bring a lunch.

Wednesday, November 22, 1978, UPDATE NOON DISCUSSION SERIES. Dr. Donald S. Burnett, Professor of Nuclear Geochemistry, speaking on "Nuclear Geochemistry." Clubroom 1, Winnett, at noon, Bring a lunch.

Monday, November 27, 1978, DR. JULIAN JAYNES. Speaking on "The Nature of Consciousness," 8:00 pm. Baxter Lecture Hall.

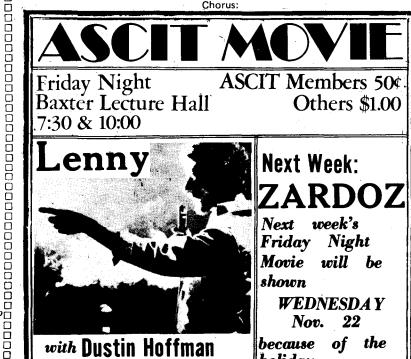
Tuesday, November 28, 1978, JULIAN JAYNES SYMPOSIUM. Panel
Discussion at noon and an Open Discussion with audience at 4:00 pm. both are in Winnett Lounge,

Tuesday, November 28, 1978, DR. JULIAN JAYNES. Speaking on "The Bicameral Mind." 8:00 pm. Baxter Lecture Hall.

Wednesday, November 29, 1978, DR. JULIAN JAYNES. Speaking on "The Consequences of Consciousness." 8:00 pm. Baxter Lecture Hall.

UWednesday, November 29, 1978, INFORMAL DISCUSSION. Mr. Paul Guido and Mr. Asher Kerin-Zvi, CIT Psychology Interns. 4:30 pm. in the Y Lounge. The Hazards of Being a Student is the topic.

☐Thursday, November 30, 1978, CAREER COUNSELING: Entrepreneurship. ☐ Steve Garrison '65 and Ted Coleman '26.



& Valerie Perrine

holiday

Science and Society

phenomenal public interest in test tube babies'? Important events come and go in this multi-media world: wars, deaths, space flights; so why attach such front page importance to a single birth that both the New York Times and the National Enquirer [always a good barometer of public gossip] cover it?

There are several possible reasons here. First of all, this birth coincided with claims made of the first cloning of a man; some people obviously mistook the two events, while others had a misleading notion of a test-tube baby. Still other people had their attention focused on the former because of the latter. In their minds, cloning and test-tube babies mean the same thing: genetic engineering.

The question then becomes: why the interest in genetic engineering? There is interest now for the same reason there was interest when man voyaged to the moon in 1969. It is the coming of tomorrow today, the future roosting outside our homes. Brave new world is sneaking up on us. Genetic engineering associates all of that and more because it offers man powers beyond what he has today, including the potential to alter his species and his environment. It is alchemy and magic, just as atomic energy was forty years ago.

Genetic engineering is a very misleading term for a very broad subject. In this essay it will be taken to mean any and all of the following: the purposeful mutation of species; the alteration and restructuring of genetic material; and basic research into the fundamental mechanisms of living cells. It includes the techniques of recombinant DNA, but is not limited to them.

It is an undeniable fact that (compared to God) man is a hopeless beginner in this field. It is also true that man has made vast advances in the past two decades, and that future advances will probably continue

What lies behind the exponentially. In these techniques lie the hope of one segment of society-and the fears of a much larger segment as well. There is the fear that new, dangerous and uncontrollable life forms might be produced unwittingly; Pandora opening the bacteriological box. There is also the fear that man may be tempted to alter his species in a way that will backfire and produce "monsters"; or man might accidentally break the ecological chain of life somehow. These are vague, but very possible, scenarios. A less vague suspicion is that someday a power group or nation will gain control of these techniques, knowingly using them to promote a super-race, or super warriors, while eliminating "undesirable" cultures or personality traits.

Could it happen? Certainly it could; only a fool says 'never' in this day and age. The odds at present are very much against it, but these odds grow slimmer yearly given man's advancing techniques and declining morality.

Am I the only one worrying about it? If I were I wouldn't interrupt your ignorant bliss. No, ask the politicians of Cambridge, Mass. Ask many others, leaders or followers. They've offered, at various times, several tentative suggestions on how to control this problem.

Some say that research should be banned completely from this field, while others suggest a temporary moratorium in order to investigate the pros and cons of the situation; a few people, including many scientists, argue that pure research must go on unhindered if it is to be effective, and that the potential benefits of genetic engineering outweigh the potential risks; still others suggest civil authorities and the central government should control the amount and type of genetic engineering in order to prevent catastrophe.

There are problems associated with all of these approaches. To

do nothing is to invite future disaster; yet to lay control completely in government hands leaves the way open for dictatorial abuse of genetic techniques. A moratorium is a compromise and a stop-gap measure at best. And to ban the field completely, well, that introduces problems best taken up next week. My own opinion? You'll have to wait for that, too.

–Pat Frantz

Day Tripping

Join the Caltech Y for a day hike this weekend to Echo Mountain. The hike is 5 miles, with possible side trips to Mt. Lowe. Meet at 9:00 am at Winnett Center, this Saturday, and bring your lunch. Transportation will be provided. Come to the Y and sign up today.

Drop Center In Dabney

The psychology staff of the Health Center has started a Drop-In Center in the Blacker-Dabney Basement, next to the old ceramics room. No appointments are necessary, and confidentiality is assured. Wednesday, 9:15-10:45 AM Thursday, 1:00-2:30 PM Friday, 1:00-2:00 PM or call Anita at the Health Center.

Your business travel deserves professional handling.

Fast, accurate, reliable.

Serving Caltech for over thirty years Campus extension 2226



Equipped with SABRE computerized travel system - the most advanced idea in travel since the jet — our experienced agents can handle all the details of your itinerary with speed, accuracy, and reliability.

690 East Green Street, Pasadena, CA 91101 EXPERIENCE PLUS AUTOMATION

Buy Caltech Cards and save 20%

CALTECH'S

Buy Caltech Cards and save 20%

BURGER CONTINENTAI

mwill offer you a deal you cannot refuse.

- good food at reasonable prices
- ·refills on soft drinks at all times
- seconds on salad bar
- ·Wednesdays all you eat
- ·"closest thing to home-cooked"
- mouth-watering delicious

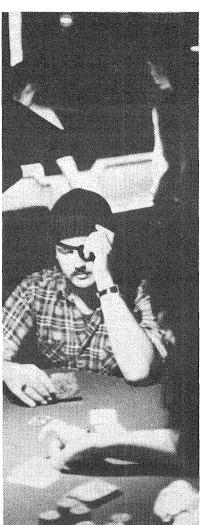
House of the week BLACKER Free root beer float with dinner

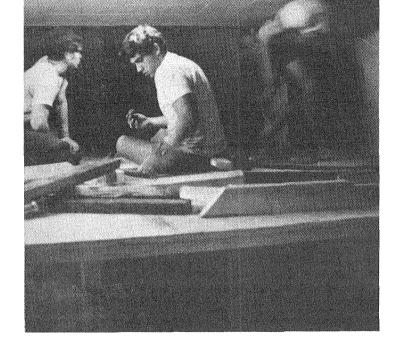
Alley of the week:

Attention Graduate Students: Tuesdays are Beer Days. Buy 1 pitcher, get the second one free!

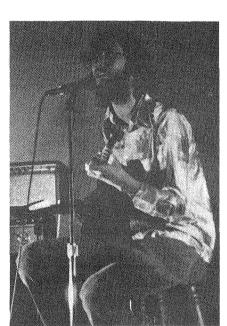


Interhouse

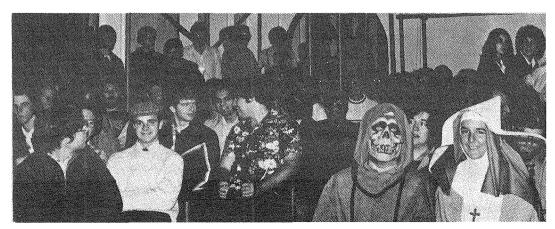


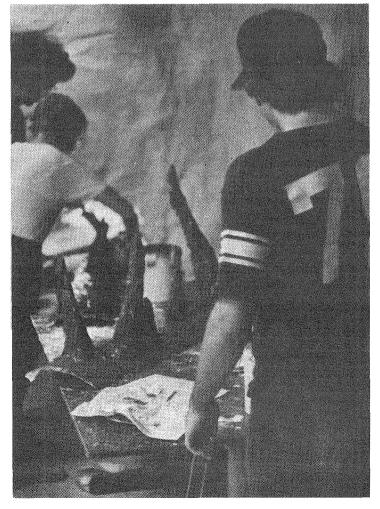


Photos by Joe DiGiorgio &: Alan Loh











Budweiser

KING OF BEERS®

Brewed by our original process from the Choicest Hops, Pice and Best Barley Malt

THE LARGEST-SELLING BEER IN THE WORLD

Anheuser-Busch, Inc.

ST. LOUIS NEWARK LOS ANGELES TAMPA HOUSTON COLUMBUS JACKSONVILLE MERRIMACK WILLIAMSBURG FAIRFIELD

Interhouse

by Christopher R. Juten

Despite the wet, chilly weather [But Interhouse is supposed to be wet!-ed.], the annual seven-house bash-Interhouse-was wildly successful. The inclement weather actually highlighted Blacker's theme-"Rum Runner". The wet foggy air made the small sailboat in the flooded courtyard seem to be docked at some good, sleazy waterfront. The lounge was bedecked with fishnets and buoys. The house members dressed as nineteenth century sailors. The floor show mimicked the strip-tease type waterfront bar show. Kurt Bachmann on piano and Jeff Fier on sax supported by a cast of frosh girls

caresses and bawdy I"Turn Back, Oh Man' bawdy?-ed.]

Just next door to Blacker's relaxing haven, tensions were mounting as Dabney staged WW III. Dabney's fire team set off several resounding explosions to simulate the event. The DLA computer accurately noted the penetration of enemy missiles. Fortunately for all concerned, the Darbs had set up a bomb shelter to safeguard their guests. The Dabney House Elastic Band soothed the audience with low-key folk and rock music

Fleming's play was the perennially popular "My Fair Lloydie". The Flems went to great lengths to simulate a British

wooden signs, and English costuming helped to flavor the scene. Fleming also built a combination of Big Ben and the Tower of London, with their standard flooded courtyard as the Thames.

THE CALIFORNIA TECH

The second performance of the play was, of course, well lubed with ethanol and was very entertaining, if somewhat incoherent.

Lloyd's "hell" scenario was built due to the tremendous efforts of Kurt Trimble; he managed to have the Cafeteria transformed into a cave in the scant three days before Interhouse [Gad, they started early.—ed.]. The theme worked fairly well due to the costuming of the house members. The underworld elements included Lady Macbeth, Satan, a demon, vampires, Nazis, spectres, mobsters, punks, a

This crew was kept under control by the rock music of the band "Half Moon."

Ricketts House presented a simple theme that was quite effective- Oktoberfest. A German style bar was graced with house members dressed in costumes ranging from Tyrolian to Nazi. A good oompah band provided appropriate background music. And, of course, the spirits were plentiful.

Ruddock had a wild west theme. Unfortunately, the rain cancelled much of the outdoor activities that were planned in the well-decorated courtyard; an effigy's hanging, and previous victims' gravesites. The ground was covered with hay, and a board walk was installed which led to Lola's Saloon. The saloon scene was very well done. The costumes were very appropriate:

tape measure, an (apparently wounded trapper, and several ace-clad bar girls. The trapping were quite appropriate and we made. Ruddock's Interhouse di suffer from a lack of a band, an attendance was low late in th evening.

The folks at Page probabl worked hardest of all the house on their theme-an old wester mining town, complete with Or Car ride. The Page Dudes bega working several weeks before Interhouse on the project. The ride eventually ran successfull on the first floor, but t original plans to have the rid begin at the second floor an come down the stairwell wer foiled when the lack of time di not allow the curve banking be completed. Still, the ride wa definitely elaborate an well-engineered. Page was the only house to offer free (an tasty) refreshments. problems with the ride we somewhat countered by the ban "Blues Image"

[Last but not least, Jolly Ji and Betty Mayer, and Carme Kempton operated the MOSH First Aid Center for the Walkin Wounded and the Wanderin Wasted. Their bread and chees kept some people on their fe while their loaded punch pu others on the floor.-ed.]

Wanted!

Hand calculators, camera bikes, jewelry, spare cash. Your Secure your belongings, los your doors-please!

Report to security, x1701, question yourself all strangers your area.

Campus Security thanks you

"I Could Have Danced . . . "

New dancers are invited join with the Ballroom Dana Club for instruction followed b free dancing, starting ever Friday night at 8 pm in Winner Lounge. For more information call Jack Wisdom at 795-642



ENGINEER/

Ground Floor Opportunity for the **Graduate Student**

Bendix Field Engineering Corporation has an immeadiate opening for an Engineering/ Analyst to work in the Pasadena area on NASA's Deep Space Exploration Program.

Responsibilities include support of systems studies and analysis of existing and proposed telecommunications and computer based data processing systems used for spacecraft tracking and control.

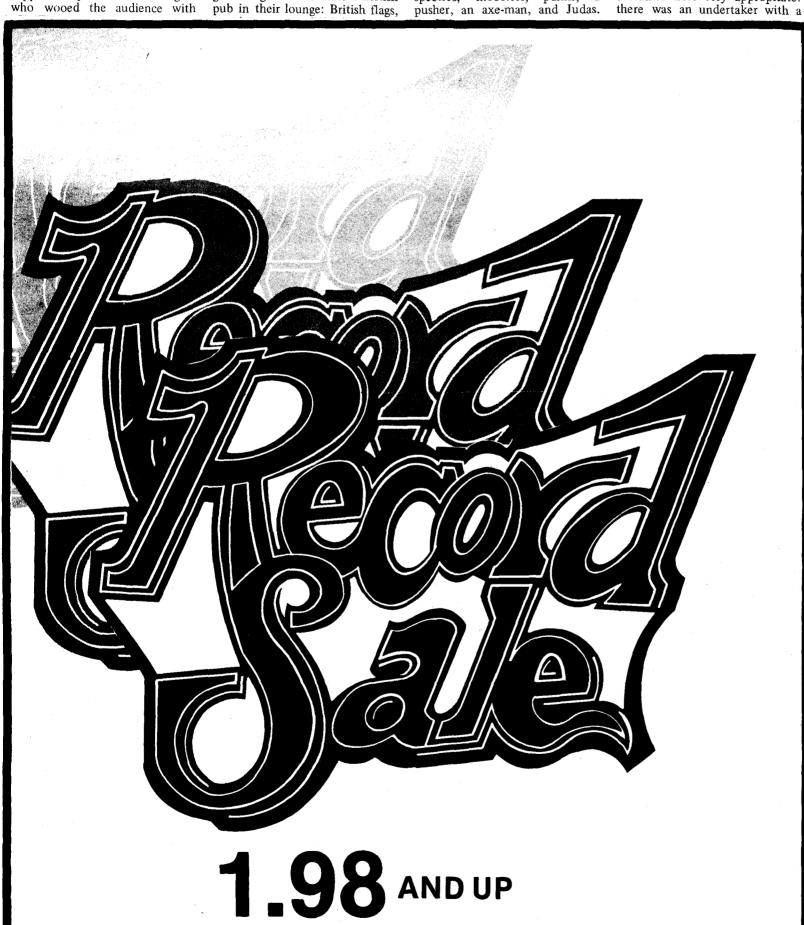
Canidates should have a BS in mathematics or engineering.

Please send resume, including history to J. Mansfield.

BENDIX

FIELD ENGINEERING CORP. 171 N. Altadena Drive Pasadena, CA 91107

Equal Opportunity Employer M/F



On Sale NOW! The Caltech Bookstore starts Monday, Nov. 20

Limited Time - Limited Quantity

Harry can be Hell to Play

December, 1972. He had auspicious timing. The current resident of 1600 Pennsylvania Avenue had just been reelected. His administration, strangely enough, was undergoing some interesting conundrums. He eventually resigned, sold his palatial home in Florida and has been in virtual self-imposed exile in his palatial home in California ever since. He was replaced by a klutz who had never been elected and spent the first week of his intombment in the White House mouthing canned platitudes-it was what Garry Trudeau has recently referred to as a "Presidency in escrow". Truman's death gave appropriate perspective to the events of the

Friday night in Beckman, (note to Jerry Willis-stop scheduling 2½-hour events on evenings after football games) Kevin McCarthy gave his one-man performance as the 33rd president. We got to hear such great Truman remarks as "I don't give 'em hell, I just tell the truth and they think it's hell." "It's not Kennedy I'm worried about, it's his father; I don't trust any man who can buy his son West Virginia." Not to mention his reply to Mrs. Astor's complaints about his accent: "At least it's real." By running through some of his speeches and battles, (for example, his speech against McCarthyism in Boston in 1952; speaking about segregation from the steps of the courthouse in Sedalia ("For every black man you keep in the gutter, there has to be a white man...holding him there."); arguing with the railroad unions about a strike;) we get to see a little bit of the wit and wisdom of a great man.

Kevin McCarthy's performance was good in some places, but he is lacking in others. He has captured the mannerisms reasonably well. His timing is good. He lacks the assurance of Truman at times, though, which destroys the illusion he is trying to present us with. His occasional stumblings and falterings lose it even further. McCarthy's performance also compares unfavorably to that of Whitmore, who was very much at home with the character when he set it

This is not to say that it was a poor performance, merely that the trick was never complete, and we never lost sight of the fact that this was not our favorite president.

-J. Copeland



THE HAIR CUTTERS

HIS AND HERS

449-6967

449-1022

1009 E. COLORADO PASAD NEXT TO THE ACADEMY THEATRE PARKING IN REAR PASADENA

Dr. Gordon Appleby

Wide-Ranging Anthropogist by Donald Korycansky

Dr. Gordon Appleby is a Mellon Postdoctoral Instructor in Anthropology, who has joined the Caltech faculty this year. His work he defines as "common-sense" studies of economic development third-world countries. In particular he examines the local consequences in village communities of national change.

Dr. Appleby's dissertation work was done in the region of Puno, in southern Peru. The area is quite populous, and mostly Indian. The area is also quite poor—"traditionally" so. Dr. Appleby's work concerned the marketing system of the region. Economic systems in rural Latin America are usually considered to be based on patterns that are centuries old. However, in Puno the current system had grown up after World War II. The question was, how?

In the century before World War II, the basic product of the region was wool raised for export. The commercial network was built along rail lines connecting towns that had been Spanish administration centers, before independence. These towns attracted peasants who had been pushed off the land by hacienda owners intent on raising sheep. Many of these people found jobs as traders and later as marketeers.

The point of this, according to Dr. Appleby, is to determine beneficial or deleterious effects of foreign influence on a region. One school of scholars holds that an export market exploits the resources of a region, and that when the market disappears, the region is gravely and permanently damaged. In Puno, for example, the wool market disappeared after one hundred

twenty-five years. However, Appleby found that a completely new economic basis arose "phoenix-like" from the ashes of the old.

This summer Dr. Appleby intends to go back to Puno, this time to study the effects of inflation, particularly under Peru's pricing system, which sets maximum prices for many items. It seems certain that the urban people have nonetheless lost ground, but have the rural farmers? With maximum set prices, they may have lost ground as well, though more slowly. It seems probable also that other things have happened also, such as the disappearance of expensive items from markets and the increased use of barter based on recognized prices in

small markets.

In the meantime, Dr. Appleby will be teaching two courses in the next two terms. The first course is to be "Anthropology of Systems," and the entitled Market second, "Anthropology of Colonialism and Imperialism"-"the economics of being conquered,"

according to Appleby.

Dr. Appleby has found
Caltech quite interesting and
quite different. He found "lovely people in a bizarre place."

Anthropology itself is a field of a certain width, and not of easy definition. It includes Linguistics, Physical Anthropology, Social Anthropology, Economics, and Archaeology. Now, it is true to an extent that "Anthropology is what Anthropologists do." many cases Anthropology is akin to sociology applied to non-industrialized countries, or of rural areas.

SOFTWARE SPECIALISTS

We are seeking an individual with in-depth knowledge of monitor internals, which will be used for warranty, consulting and technical pre-sales situations. Experience maintaining a large operating system is necessary; previous exposure to TOPS-10 or TOPS-20 highly desirable. Degree in Computer Science, EE or a related field is needed.

We offer an excellent salary plus fringe benefits which includes company-paid training, life, dental and medical insurance, stock purchase plan, tuition reimbursement and a retirement plan. Send your resume NOW to Fred Deraney, Digital Equipment Corporation, 871 So. Nash, El Segundo, CA 90245. An equal opportunity employer m/f.

digital



THE GYPSY RESTAURANT

ARMENIAN AND AMERICAN CUISINE

Specializing in Shish-Ka-Bob (Lamb and Beef), Tabouli, and a mouth-watering assortment of exotic dishes.

Caltech Special Beer * one dollar a pitcher Tuesday-Friday 11.00am-4.30pm

Caltech ID required

- Announcing the best in ethnic entertainment.
- Exotic belly dancers during lunch hour, Tuesday through Friday.
- Live music, audience participation, and belly dancers every evening, Thursday through Sunday.
- The sensuous pleasures of the Middle East at their very best.

Call for reservations at (213) 798-7005

The Gypsy Restaurant 924 North Lake Avenue Pasadena, California 91104 corner of Lake and Mountain

Tues. 11am-11pm Wed. Thurs. 11am-12mid Fri. 11am-2am Sat. Sun. 11am-12mid

Straw Hats And Drumsticks

The Caltech Dixieland Jazz Band is alive and well (and damned good). However, we need some more players (especially a drummer, since our previous one (and his lion) left us). Contact Jack McKee, x1391, for info.

Quartz Bathrooms?

'Jasper Johns: Major Themes," an illustrated lecture by art historian Barbara Rose will take place in Baxter at 8PM on Monday the 20th. A donation of \$4.00 is suggested upon admission.

Feeling Funny?

All persons interested in creating and/or performing original humor at Caltech are asked to contact Allen Cohn in Ricketts, room 54. The media and methods used for the comedy will be determined by the group once it forms.

Discuss!♀!!

The Women Students' Discussion Group is meeting Wednesdays at noon upstairs in Winnett in the Y Lounge. All graduate and undergraduate women are invited to attend. Bring your lunch.

Further info may be obtained by calling Bev at ext 2394.

News Briefs

Kiddie Kulture

Baxtèr Art Gallery will feature a preview and opening of a new display, Making Senses: A Proposal for a Children's Museum, this Sunday, November 19, from 3 to 5 pm. Refreshments will be served.

Do YQU Know The Territory?

Auditions for Music Man will be held in Winnett Lounge, from 1-5 pm on Saturday, November 18, and Sunday, November 19. Anyone interested in being in this Caltech musical as cast, crew, orchestra, singers, dancers, actors, instrumentalsits, set builders, sewing helpers, etc., should attend. Particularly, we need children who sing and play band instruments. For information, contact Flora, x2157.

Poets!

We are interested in informal meetings with other writers who would like to share their work and make useful criticisms. Faculty, grads, undergrads and others are all invited. Call Vicki Siders at x2340 during the workday or call Eve Bennett at 449-9368.

Folkdancing

A beginning folk-dance class is being held Monday afternoons at 4:00 pm in Dabney Hall. Dances from Serbia, Macedonia, Romania, Israel, Bulgaria and other countries will be taught. If you can walk on two legs and have the slightest interest in music or dance, or even if you're just curious, you're welcome to come by and join in. For more information, contact Stanzi Royden at 449-9952 or x2173.

Postage paid at Pasadena, California. The California Tech is published weekly except during examination and vacation periods by the Associated Students of the California Institute of Technology, Inc., Winnett Student Center, Caltech 107-51, Pasadena California 91125.

CLASSIFIED typing by Executive Professional

Secretary. Thesis, reports, term papers, MSS. Spelling and corrected. Thesis, reports, term Fast, dependable. 441-1410.



ROMA GARDENS

BEER & WINE ITALIAN CUISINE

PIZZA

SPAGHETTI

RAVIOLI

OPEN 5-11 p.m. Sun-Thurs 5-12 p.m. Fri-Sat

Now open for lunch 11-2. Buffet lunch \$2.95. All you can eat Thursdays for \$4.25

10% off on italian food to all CIT students (buffet lunch excepted) 7 days/week

Use new back entrance for picking up orders

Bank of America NT&SA • Member FDIC

1076 E. Colorado

When it comes to student services, **Bank of America** offers a complete course.

If you're looking for the bank that can do the most for you, you'll be impressed with our credentials.

We offer a complete range of student banking services: College Plan® Checking, a wide variety of Savings Plans, and if you qualify, Student BankAmericard® Visa® Instant Cash overdraft protection, educational loans and more.

We also offer Consumer Information Reports to provide you with the kind of straight-to-the-point facts you need to know about banking. Including, "A Guide to Checks and Checking," "How to

Establish Credit," "Ways to Finance an Education," "Rights and Responsibilities: Age 18," and more. You can pick them up free at our branches.

You see, we figure the more you know about banking, the more you're going to want to bank with the bank that can do you the most good, both in school and after.

Quite a few Californians think that's us. If you look over all we have to offer, we think you'll agree.

Depend on us. More California college students do.

