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, with 53 yards in 12 carries. 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. 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. 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.

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 28-6. The strong Caltech defense gave the Beavers 11 first downs in the game. Leading the team in tackles was Curt Trimble, who ran with the ball 17 times for a total of 82 yards. Other strong defensive players were Bill Graham (4 tackles), Terry Thomason (2 tackles, 2 assists), and Charlie O'Neil (2 tackles, 2 assists). 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!
Tech Commented

To the Editor: I feel that you must be commending the backbone of advancing journalism in a manner yet untamed outside of this institution. In your humble paper lurks a gem unique and unmatched in this universe. Of course, I refer here to the “Random Numbers” column. Where else can you find time to see the new styles of writing, unbound by the old and outdated rules of fuglign? No longer need anyone agonize over dangling preparations, word order, tenses, or commas which are a useful aid. Let us not forget starting sentences with conjunctions, which are necessary. And the subject matter is a definite indication of future journalistic trends. So don’t look one way and turn around to find out—your weight and mundane and on to the light and airy! Every column fully depicts the importance of the writing and the ceaseless toil to meet every deadline with quality in a student's life. And the thought-provoking ramblings on the silliness of various campus practices and establishments are astounding. Many is the time when I have sat on the edge of my chair waiting with bated breath, discovering you still survive!
In closing, may an amazing column survive? Perchance the spectre of an even more admirable (sic) and innovative alternative—void—wrongfully deme Humble.
—Craig Jones

[Letter of last week concerning the citizen individual which are relevant to the characteristics of that by any State on account of the spectre of an even more admirable (sic) and innovative] (Ok)

Wednesday, November 8, 1978

My mother was a mistress in a house of ill repute. The man who took her from her steed and led her to her beer, was a sly-eyed surveyor and a drunken engineer.

—Dr. Julian Ja...

Chorus:

The Army and the Navy went out to town to have some fun, They went down to the taverns where the fiend liquor runs, And the fiends found were empty, for the engineers had come, And traded all their HPs for gallon kegs of rum.

Mr. my father was a miner from the upper Malmy, My mother was a mistress in a house of ill repute, The men who took her from her steed and led her to her beer, Were men, and giants walked the earth.

She said, “I’ve come a long, way and long, 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 her to her beer, was a sly-eyed surveyor and a drunken engineer.

In closing, allow me to say that I do not mean to intimidate that the tech eschea space filler copy: after all, we did print Mr. Jones’ letter. —ed.

Reply on ERA

To the Editor: I would like to comment on the abysm 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 again, 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:

no situation shall any inhabitant of the United States be in any way placed in a different situation on account of the fact that they appear to be female.

It is no situation, or any other situation, of any significance to consider the ERA. The statement is ambiguous and allows for interpretation. No situation, I feel, is more appropriate for this.

In brief, women are discriminated against and there must be specific legislation to deal with this kind of discrimination, but if the ERA is accepted, there will be no need for such legislation in its implementation, but this is expected because of the sexist nature of our society.

—Robert Tajima

The Caltech Y..........fly by

Friday, November 17, 1978


Saturday, November 18, 1978

DAY MIKE TO ECHO MOUNTAIN. Leave Caltech at 9:00 am. Bring a lunch.

Wednesday, November 22, 1978

UPDATE NOON DISCUSSION SERIES. Dr. Joseph S. Burnett, Professor of Nuclear Chemistry, speaking on “Nuclear Geochemistry.” Clubroom 1, Winnett, at noon. Bring a lunch.

Tuesday, November 28, 1978

JULIUS JAYNES SYMPOSIUM. Panel Discussion at noon and an Open Discussion with audience at 4:00 pm, both in Winnett Lounge.

Tuesday, November 28, 1978

DR. JULIUS JAYNES. Speaking on “The Consequences of Consciousness.” 8:00 pm, Baxter Lecture Hall.

Wednesday, November 29, 1978

INFORMAL DISCUSSION. Mr. Paul Goul. Mr. and Mrs. 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 Garemi ’83 and Ted Colavita. 1:00 pm, the Y Lounge.
Science and Society

What lies behind the phenomenal public interest in "test tube babies"? Important events come and go in the multi-media world: wars, deaths, space flights; so why attach such front page importance to a single 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 it was interest when man voyaged to the moon in 1969. 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 sixty 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 restructurating of genetic material; and basic research into the fundamental mechanisms of living cells. It includes the techniques in this nomenclant 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 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 blab. No ask the politicians of Cambridge, Mass. As 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 Dubney
The psychology staff of the Health Center has started a Drop-In Center in the Blacker-Dubney Basement, next to the old ceramics room. No appointments are necessary, and confidentiality is assured. Wednesday, 9-11:00-10:45 AM Thursday, 1:00-2:30 PM Friday, 1:00-2:00 PM or call Anita at the Health Center.

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and a drinkability you will find in no other beer at any price.
Interhouse

by Christopher R. Jutes

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—"Ram Ranner". 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 sleazy waterfront. The lounge Blacker's theme—"Rum wea ther actually highlighted bash—Interhouse—was wildly buoys. The house members supposed was bedecked with fishnets and weather [But Interhouse is

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THE CALIFORNIA TECH

Friday, November 17, 1971

[Last but not least, Jolly Jo and Betty Mayer, and Carmen Kempton operated the MOSS First Aid Center for the Wounded. Their bread and cheese kept some people on their feet while their loaded pouch rested on the floor.—ed.]

Wanted!

Hand calculators, camera, jewelry, spare cash. Your secure your belongings, but your doors—please!

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

Campus Security thanks you.

"I Could Have Danced..."," New dancers are invited to join with the Ballroom Dance Club for instruction followed by free dancing, starting every Friday night at 8 pm in Winning Lounge. For more information call Jack Wisdom at 795-642.

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

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Dr. Gordon Appleby
Wide-Ranging Anthropologist

by Donald Korczewsky

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 of 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 in the cotton-admirity since 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 marketers.

The point of this, according to Dr. Appleby, is to determine beneficial or deleterious effects of foreign influence on a region. One school of thought 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 and 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 entitled "Anthropology of Market Systems," and the 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."

In many cases Anthropology is akin to sociology applied to non-industrialized countries, or of rural areas.

—Kevin McCarthy's performance was good in some places, but he is lacking in others. He has ups and downs in his mannerisms unusually 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 unfavourably to that of Whitemore, who was very much at home with the character when he set it in film.

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

—J. Copeland

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News Briefs

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

DO YOU KNOW THE TERRITORY?
Auditions for Music Man will be held in Wannett 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, instrumentalists, set builders, sewing helpers, etc., should attend. Particularly, we need children who sing and play band instruments. For information, contact Flora, x2157.

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.

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.

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 Hall 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 Wannett 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.

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