

Your mission, Tech staff,
should you decide to accept
it, is to get the Tech to
Glendale by 4:00 p.m.

The CALIFORNIA Tech

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Wednesday, that is.

Volume LXXIII

Pasadena, California, Thursday, November 4, 1971

Number 7

Beckman Hosts Classical Pianist James Dick

by Jeff Mallory

Had the Hallelujah Chorus interrupted by the interminable banging of hammers? Is it hard to hear Bach over the clatter of Interhouse preparations? Get Your Revenge—James Dick is coming to Tech on Interhouse night (Nov. 13) to fill Beckman with the immortal sounds of Beethoven, Schuman, and Liszt.

Dick, who was included in this year's edition of *Outstanding Young Men of America*, is being sponsored by the Institute of International Education of New York (which administers Fulbright awards) as the first American concert artist to perform in the most recent UN acquisition, the People's Republic of China.

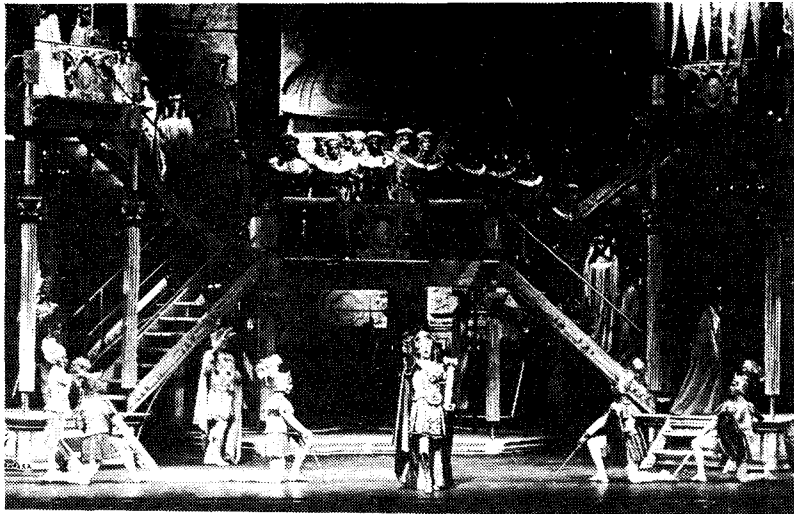
Strangely enough, in view of his possible upcoming China trip, Dick will play the *Six Pictures for Piano*, Opus 40 by Arno Babjanian, one of the Soviet Union's foremost composers. Tickets for the 8:30 performance are \$5, \$4, \$3 for Tech/JPL people and \$1.50 to Tech students.

Lou Harrison's free rap session will be today at 4:00 in Baxter's Humanities Lecture Hall. Harrison brings with him, in addition to his *Young Caesar* an impressive list of credentials. He studied under Henry Cowell and Arnold Schoenberg. He has received two Guggenheim Fellowships and has had several grants from the American Academy of Arts and Letters. His opera, *Rapunzel* earned him the 20th Century Masterpiece award in Rome, and, continuing in his superlative style, he has produced *Young Caesar* his X rated puppet opera.

The time for the dress rehearsal of *Young Caesar* has not yet been made public, but anyone interested should attend Harrison's talk today; the exact arrangements will be announced then.

The second in the Caltech Lecture Series will be given next Monday, Nov. 8, at 8:30 in Beckman by Dr. R. L. Sinsheimer, chairman of the Division of Biology, on *Design in Nature*. As usual, there's no charge for admission.

Baron Hugo van Lawick will give the second Leakey Foundation talk Wednesday (Nov. 10) at 8:30 in



Remember! Only nine more days until Interhouse!

Leisure Library Needs Suggestions

by Ned Munger

What do you like to read for pleasure and profit? Call Don McNamee at 2418 or drop him a note at Millikan and then wait a few weeks until the books are on the shelf at the Judy Library in Baxter Hall.

Clinton Judy was a distinguished Chairman of Humanities for two decades, and on his death his friends purchased most of his books for a library.

The idea is strictly for browsing and enjoyment. The Judy Library—off the Public Affairs Room—is already equipped with easy chairs and tables.

But much of the Judy collection, while rare, is not what the divisional library committee thinks students will want for browsing. So the rarest material is to be sold Sothebys and the money used to buy hard backs and paperbacks of

immediate interest to students. About \$7,000 is currently available for book purchases.

So, what do Techers want? Best sellers? Science fiction? The art of seduction? Books on ecology, Viet Nam, China today? Or perhaps a pleasant place to play chess. When the sun slants in the windows it is a perfect place to appreciate.

Dr. Judy's memory will be preserved in many of his books and also framed letters from such friends as Aldous Huxley. But the library needs more books to come alive. So write or call collect to 2418 and the library will reflect student wishes.

Ab Comment on Embi

An Evening With Amédée

by Clayton Hawkfield

A week ago Saturday evening, I found myself in an unenviable position. Following the football team's victory and another fantastic Food Service dinner, there was not much left to do. With the big celebration scheduled for 10 p.m. that night, there was not even time enough to go out for an evening of fun and frolic.

With about an hour and a half to kill, I decided to drop by Beckman Auditorium to see what was happening. According to the playbills, the evening's show was called *Amédée*, or *Comment s'en Débarasser*. Must be one of those foreign flicks, I thought, with English subtitles.

As it turned out, the subtitles man must have gotten the night off. Anyway, there was this guy sitting around in some sort of bathrobe, trying to read a book. Then this lady came in and they jabbered at one another in some foreign language. Finally, a bell rang offstage, and things started to happen. The man got up and got the lady's hat and coat, which she put on, and then she started walking back and forth along the edge of the stage. After a couple of times she stopped and climbed up onto a high stool, which stood in front of a panel with oversize light bulbs. Bells started ringing, lights started flashing, and the lady began picking up what appeared to be telephone receivers. Obviously she was somebody's answer (pun not intended) to Pacific Telephone.

Shortly afterward, she hopped down, did the walking to-and-fro bit again, and started talking to the man. I started glancing at my

Brown Explains Quake Report, Details Critical

by Phil Neches

"The government has the right to require that [pre-1933] buildings be torn down," commented Caltech president Harold Brown on the findings of the commission he headed which studied the San Fernando earthquake of February 9. Because many people could be killed if another earthquake were to occur either closer to population centers or be stronger in intensity, he said in an interview with the *California Tech*, something must be done about unsafe old buildings.

However, he added that the owners and residents of the buildings in question should not be penalized. When asked if condemnation proceedings would be needed, Dr. Brown replied that they might be, but that the main problem is compensating the owners and residents. The commission's report estimates that the cost of improvement or demolition of the affected structures would be around one billion dollars.

How to Do It

Dr. Brown indicated that some compensation might be given in the form of tax relief, including additional depreciation. But the success or failure of any such scheme lies in its details, he continued. The commission's report did not go into

great detail on this (and other matters), hence the most important task facing state and local governments will be to work out a solution which will both remove unsafe buildings but not be unfair.

Asked about the recent defeat of school bonds to repair earthquake damage and upgrade deficient school buildings in Los Angeles, Dr. Brown replied that the L.A. City Schools will be forced into putting more schools on double sessions. The voters apparently "didn't want to put up the money for single sessions." (A recent California law requires that all school structures must be brought up to the earthquake safety standards or abandoned by 1975).

Attitudes

The high cost and "discouraging attitude" of insurance companies towards earthquake insurance prevents many Californians from buying earthquake coverage. Dr. Brown said that this could be changed if lending institutions would require those they lend money to to have earthquake insurance, just as they presently require fire insurance.

According to structural engineers, Brown continued, large safety factors have been built into structures in the past simply because nobody knew just how strong a structure had to be to withstand an earthquake. "Increasing knowledge has meant reduction of the safety factor," thus, Dr. Brown concluded, the code standards should be raised.

"A Mess"

In conclusion, Dr. Brown observed that many people question what good science and technology have done society. "Here's an example—without them, we'd be in a terrible mess." Few people realize that Caltech supports a part of the Seismological network out of general funds.

Y Seminar Wednesday To Explain Role Of Livable World Council

by Claude Anderson

Albert Gore, former Senator from Tennessee, will lead a seminar on "The Role of the Council for a Livable World in Washington" next Wednesday at 3:00 p.m. in Winnett Lounge. The two hour seminar was initiated by Dr. Max Delbruck and is sponsored by the Caltech Y.

Senator Gore served in the House of Representatives from 1939-1952 and in the Senate from 1953-1971. During his senate terms, he served on the finance, foreign relations, internal revenue taxation, and atomic energy committees. He was chairman of the subcommittee on arms control, international law, and organization. Since his defeat in the senate race last November, he has remained active in service to the public. This summer he accepted a post on the Board of Directors of the Council for a Livable World. Through this he has continued his struggle for peace, arms control, reordering of national priorities and increased constitutional responsibility of the United States Senate. He is striving for the

News Briefs

Pick Up Your ID Cards!

Notes from
ASCIT

New identification cards are available in the Registrar's Office. All students are requested to pick them up.

There will be a free showing of "The Hellstrom Chronicle" in Beckman Auditorium Saturday night. Check your house bulletin board for further information.

Off-campus freshmen are requested to give the Registrar their local addresses. It will be "Bad for you, frosh!" if you don't.

Tickets for the Grateful Dead/New Riders of the Purple Sage concert to be held November 20 at UCLA are available from your house Social Chairman.

Elections for Sophomore Class Vice President, Junior Class President, and whether or not to approve a by-laws change will be held next Thursday. Nominations for Big T Business Manager are still open.

Piano Lessons Are Available

Want to take piano lessons? Milton Stern, who teaches piano at Occidental and other colleges, will come to Caltech on Monday mornings to teach interested students, at \$7.50 per half hour. If you are interested, see him in the Glee Club office this Monday morning between 9:30 and 10:00.

Throop Beat

**Huttenback
Is Out Of It**

by millikan troll

Welcome back after this column's one week hiatus with midterms and other nasty dreams. Unfortunately, this week starts with some bad news, Genial Dean Huttenback has pneumonia. He is reported to be improving, but probably will not be back on the job for a week at least.

But as partial compensation, Dr. Huttenback's new Huttenbook, *Ghandi in South Africa* won a prize.

Building Plans

According to reliable rumors received here, plans are currently being drawn for leveling Throop to the ground floor. Work should commence sometime after the start of the year, but the dome will still be available for various and sundry activities through the Christmas season.

The fates of Gates still remain undecided. A study of that building's future occurred last month, but left the basic issue unresolved: should Gates be reinforced or torn down? The matter is more difficult than the case of Throop, the high-ups say, because there's more money involved. As soon as any word comes along, we'll relay it to you.

Top of the Week

The official [is anything you read here ever official?] administration policy on the upcoming soapbox derby is one of "watchful waiting." We have received reports that an ordinary automobile attempting the course exceeded 70 mph at the Pasadena-Altadena line in Mexican overdrive. . . . This week's Etaoin Shrdlu Award goes to the entire Tech staff, for managing to break three (count 'em, three) type balls (@\$35 each) in one 24 hour period.

The Critical Ear



Freedom Flight by Shuggie Otis
Columbia KC 30752.

This album is difficult to describe. Shuggie Otis is the son of Johnny Otis, the man who built Rhythm and Blues into a major facet of American Music. Shuggie Otis is also an excellent musician who has been playing professionally since he was about 12. On this album he plays guitars, bass, keyboards, drums, bells, and does vocals. He also wrote almost all of the music and lyrics. All except the vocals are incredibly good.

"Ice Cold Daydream" and "Strawberry Letter 23" have the best lyrics, as well as the best vocals. On the latter, now on the radio, Shuggie plays all of the instruments and does all of the vocals, including the background chorus. The title cut, "Freedom Flight," is a 12:48 long song, and it probably will never be heard on the radio because of its length. At least listen to this album.

Man in Black, by Johnny Cash,
Columbia C 30550

This album is a good example of the new country music. Gone are the exaggerated nasal tones and the use of various plagiarisms of older songs. Gone is the phony "Hee-Haw" type of cover. Gone are the cute lyrics putting down drugs while extolling the virtues of booze. Gone is the past.

This is the album that has Johnny Cash as a sort of Woody Guthrie. Johnny Cash wrote the songs, including the "Singin' in Vietnam Talkin' Blues," which would have done Woody proud. Another song is "Ned Kelly," about the Australian ranger (outlaw) whom Mick Jagger played in a recent movie.

There are songs of a new gospel type, such as "The Preacher Said 'Jesus said. . .'" and "I Talk to Jesus Every Day." There are songs of love and sadness. It is a human album, far more so than the plastic homespun of a Merle Haggard or a Buck Owens.

Johnny Cash makes a distinction between Johnny Cash Before Television and After Television. I like Johnny Cash A.T. better, and I like "Man in Black."

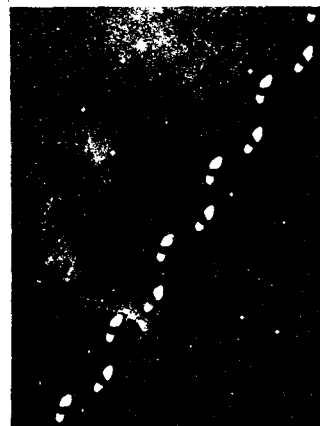
Live Yardbirds (featuring Jimmy Page), Epic 30615

This is a historic album, if nothing else. It was one of the last major Yardbirds concerts, and Jimmy Page was already working on forming Led Zeppelin. The concert was sort of a "one last time" for things like "Over, Under, Sideways, Down" and "Shapes of Things." "Drinking Muddy Water" is on the album, as is a Jimmy Page instrumental spotlight entitled "White Summer." The album and the group come to their climax on a twelve-minute version of "I'm a Man." As one of the group remarked in the background, "Nostalgia". If you liked the Yardbirds, you will like the album. If not, you won't.

Nick Smith

[A Paid(?) Apolitical Announcement]

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No Great Pumpkin

Beavers' Bubble Burst

The clock struck midnight on Halloween weekend for the Caltech Beavers, as the Cal Poly Pomona jayvees ended their current winning streak with a 19-3 victory.

John Rogers kicked a 29-yard field goal in the middle of the fourth quarter for the Beavers' only score.

Statistically, Cal Poly was overwhelming. They passed for 200 yards, rushed for another 164, and --were penalized 17 times for 156 yards. Each team made 18 first downs, however.

The second quarter proved to be extremely frustrating for the Techers. John Steubs intercepted a Pomona pass on the Tech 40, and evaded tacklers to make it to the Pomona goalline. However, a clipping penalty nullified the TD, and wiped out a 6-0 Beaver lead.

Later in the quarter, Caltech had the ball on the Cal Poly one with no timeouts left. Before another play could be run, the clock had run out, and so had the Beavers' chances for another victory.

Caltech 0 0 0 3 - 3
 Cal Poly 0 0 6 13 - 19
 CP--Moss 57 run (kick failed).
 CP--Fabian 17 pass from Rothblum (kick failed).
 CIT--FG Rogers 29.
 CP--Fabian 6 pass from Rothblum (Hillis kick):

Soccer Team Comes Through, Finally Wins

The Caltech soccer team ended their winless season with a 2-1 victory over Claremont/Harvey Mudd Saturday.

The triumph was the first ever for a Caltech squad against C/HM. The past 4½ years had yielded one tie, along with six losses.

With 32 seconds gone in the second period, C/HM made their only goal. The score was still 1-0 at the half, but was tied up by Charlie Young on a penalty shot in the third period.

Midway through the final period, Dana Anderson made a long shot from the right corner to give the Beavers the win.

Water Polo Splits

by Bob Kieckhefer

After a "laughter" victory over Pierce JC here last Wednesday, the water polo team lost a game to Redlands that was much closer than the 10-6 final score indicates.

Tech started out fast against the Pierce team, building a 2-0 first quarter lead. At the start of the second quarter Pierce tried a zone defense, which was quickly diagnosed and beaten by the Tech swimmers, helping them build an 8-1 halftime lead.

Both (!) of Tech's substitutes played most of the second half, yet Pierce still couldn't contain the home team. The final score was Caltech 13, Pierce 4, with Steven Sheffield (7 goals), Russ Desiderio (4), and Tim Hight (2) scoring for Tech. After the game Virgil Shields drew praise from both sides for his excellent performance in the goal--playing with a scratched eyeball he still shut out the opposition in two of the quarters.

Last Saturday morning in Tournament Park the tankmen and Redlands played a close game for a large crowd (most of them from Redlands, unfortunately). The home

Continued on Page Four

THE SPORTS BEAT

by Gavin Claypool, Sports Editor

One of the interesting things that has gone unnoticed by many this season is the fact that Caltech has yet to be shut out. The team has been limited to a field goal on two occasions, but still has managed to score in its five games.

Being shut out has been the rule, rather than the exception, for Caltech teams. Last year, for example, the Beavers drew a blank 4 out of 7 times.

The last season the Techers went more than five games without being blanked was in 1963, when they scored in the first seven games. This season could be the first without any shutouts since 1957.

Dates & Happenings

Interhouse softball is over now, with Ruddock House the new champs. Swimming is next on the agenda, with practice lasting from November 22 to December 6. Trials will take place December 7, diving on December 8, and the finals on December 9.

Caltech will host the all-conference cross country meet this Friday in Arroyo Park. The starting time is 4:00 p.m.

Pro Pickin's

The Tech staff, famous for certain well-known parties and other less-publicized events has managed to come out of its stupor to look at

their crystal pigskin--err, ball. With hand in glove and brain on shelf, they have come up with these fabulous, fearless predictions:

NFC: West -- Los Angeles Rams
 Central -- Minnesota Vikings
 East -- Dallas Cowboys

AFC: East -- Baltimore Colts
 Central -- Cleveland Browns
 West -- Oakland Raiders or Kansas City Chiefs

To-Encourage-Spectators Dept.

Two of our fall athletic teams have girl managers. Football's managerial trio includes Shelley Johnson, a freshman; and keeping the score straight for soccer is sophomore Chris Harrington. Both of these girls have done a fine job this year.

Did you know that Caltech's season record is better than UCLA's?

And to top off this week's montage, some statistics from the Registrar:

	Male	%	Female	%
Frosh	191	86.4	30	13.6
Soph	182	85.8	30	14.2
Junior	179	98.4	3	1.6
Senior	157	100	--0--	0.0
Total	709	91.8	63	8.2

Arghh!!!

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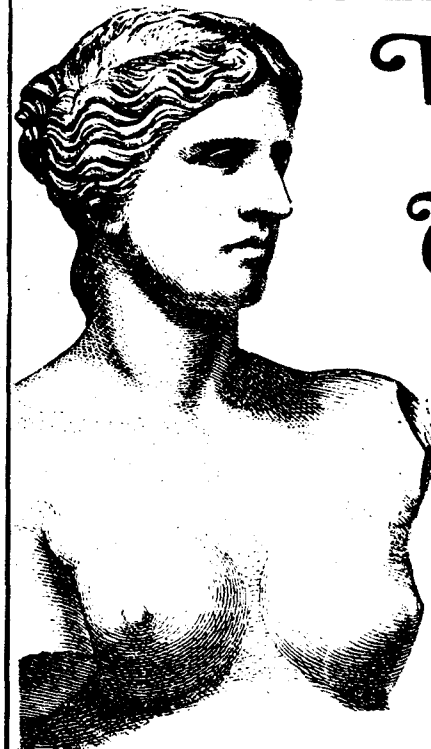
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Ye Olde Sports Menu

Friday, November 5			
4:00 p.m.	Cross Country	All-SCIAC Meet	Host--Caltech
Saturday, November 6			
10:00 a.m.	Water Polo	Claremont/Harvey Mudd	Away
10:30 a.m.	Soccer	Chapman	Away
1:30 p.m.	Football	Azusa--Pacific JV	Away
Wednesday, November 10			
2:30 p.m.	Soccer	Occidental	Away
3:30 p.m.	Water Polo	Pomona	Home
Friday, November 12			
1:30 p.m.	Football	Change in Schedule JV	Home
Saturday, November 13			
10:00 a.m.	Water Polo	UC San Diego	Home
Playoffs	Cross Country	NAIA District III	
	Soccer	Southern California Playoffs	


Football Stats

by
Bob Doublin

	CIT	Cal	Poly
First Downs	18		18
Passes Attempted	29		36
Passes Completed	10		18
Yards Gained	94		200
Passes Had Intercepted	4		1
Opp. Runback (yds)	20		21
Rushing Plays	32		31
Yards Gained	112		199
Yards Lost	14		35
Net Yards Gained	98		164
Total Offensive Plays	61		67
Total Yards Gained	192		364
Fumbles	4		2
Fumbles Lost	2		2
Penalties	5		17
Yards penalized	34		156

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STARTS WED. "RYAN'S DAUGHTER"

YMCA

Continued from Page One
limitation of private money in national politics.

The Council for A Livable World was founded by scientists in 1962. Its primary objective has been to end the nuclear arms race, and its concentration has been upon the United States Senate. CFLW is not affiliated with either party and has given financial support to candidates in both parties. It has chosen candidates who are concerned with the war in Southeast Asia, survival, control of nuclear weapons, and peacekeeping mechanisms.

Another main activity of the Council for A Livable World has been conducting seminars similar to the one at Caltech to encourage discussion of its objectives and to bring greater insight into national security problems.

Tankmen--

Continued from Page Three

team played a typically slow first period, but bounced back in the second to tie the score at 3-3 at halftime. Redlands got a goal on a penalty shot in the third quarter, but Tech bounced back in the final period to grab a 5-4 lead.

The disadvantages of having a small team became obvious soon after this, however, as Tech's tired swimmers began losing ground to Redlands' fresh substitutes. A few quick goals in the middle of the period gave Redlands a lead they never relinquished, as they ran up a 10-6 final score. Steve Sheffield scored four goals while Tim Hight and Jim Jakway got one apiece in the losing effort.

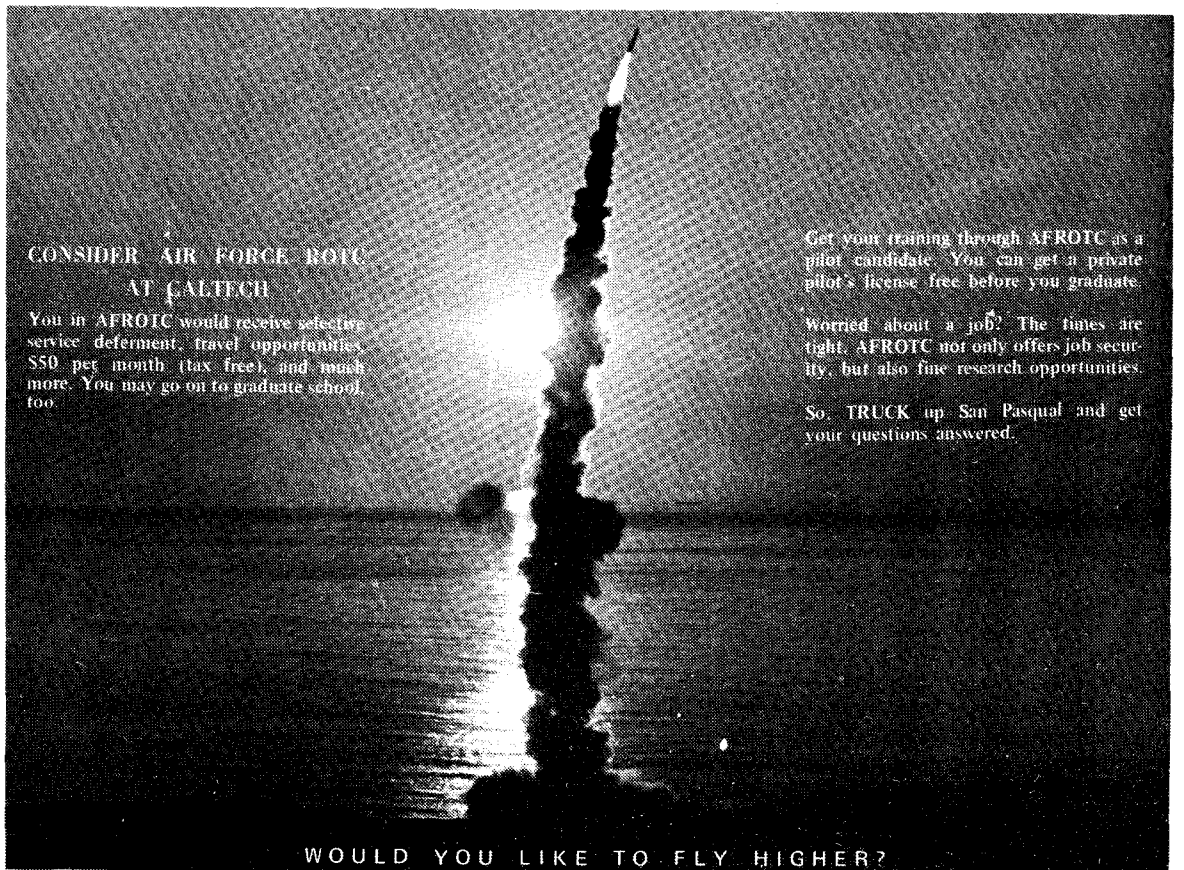
Harriers Lose to Redlands

The return of captain Ratchford Higgins to action was not enough, as the cross country squad was ripped by Redlands, 20-41.

Higgins finished tenth, close on the heels of two Redlands runners. Scott Matthews turned in another fine performance, finishing second on the 4.7 mile course.

Alan Kleinsasser came in sixth as the Techers' number two man. Newcomer (?) Kenny Pischel was eleventh, and Ralph Hayward twelfth.

REDLANDS 20, CALTECH 41.
Ninnis (R) 26:33; Matthews (CIT) 26:47; Cameron (R) 27:01; Vryheid (R) 27:23; Miller (R) 27:33; Kleinsasser (CIT) 28:09; Ewing (R) 29:02; Kiu (R) 29:29; Hathaway (R) 29:33; Higgins (CIT) 29:36; Pischel (CIT) 31:46; Hayward (CIT) 31:49; Horowitz (R) 34:37.



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