

The Stanford Daily

FOOTBALL ISSUE
NOVEMBER 23, 1974
STANFORD, CALIF.
VOL. 75, NO. 2



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It's not a heist — just carelessness

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Powered by alcohol, they try to eliminate apathy. Do they succeed? Only your waterbombs know for sure.

Science Discovers Football page 6

Some elementary physics will give the Cards new power next year.

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Pleasant surprise to see old familiar faces.

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Stanford's search for a better integrated football team.

Bear Reveals Past page 7

Oski, the Berkeley Bear, tells his life story to Seymour Glass.

..... plus rosters, statistics, team comparisons

Bears Stack Up Well Against Cards

Cal stats

Scoring By Quarters

	1	2	3	4	Tot.
Cal	14	58	72	45	189
Opp.	56	48	53	40	197

Team Statistics	Cal	Opp.
Points	189	197
First Downs	122	94
Total Yardage	2,735	2,394
Rush Yardage	2,014	1,281
Pass Yardage	721	1,113
Interceptions	17	7
Fumbles/Lost	28/14	32/20
Penalty Yards	551	659
Average Punts	40.7	38.2
Average Punt Return	7.9	8.2
Average Kick Return	25.1	20.8

Passing	PC-PA	YDS	PCT	TD	HI
Bartkowski	115-200	4586	.575	18	15
Schutt	5-15	32	.333	0	0

Rushing	TCB	NYG	AVG	TD	LG
Muncie	214	872	4.1	7	49
Strickland	198	674	3.2	4	64
Bartkowski	105	235	2.4	1	38
Baily	20	102	5.0	2	67
Oliver	11	78	7.0	0	9
Collins	6	67	11.1	0	17

Scoring	TD	XP	FG	SAF	PTS
Muncie	77	0	0	0	42
Strickland	6	0	0	0	36
VanderMeer	0	15	6	0	33
Markus	4	0	0	0	24
Rivera	4	0	0	0	24
Danel	2	0	0	0	12
Leffler	1	0	0	0	6
Kloefkorn	1	0	0	0	6

Receiving	NO	YDS	AVG	TD	LG
Rivera	22	142	69.7	4	42
Danel	18	345	18.2	2	25
Markus	17	340	18.1	4	21
Strickland	9	180	20.0	2	45
Muncie	7	98	14.0	0	29
Thompson	4	209	52.3	0	98
Walker	2	16	8.0	0	12

Interceptions	NO	YDS	AVG	TD
Barth	5	72	23.8	0
Mayer	3	16	5.1	0
Stoler	2	34	17.0	0

Punt Returns	NO	YDS	AVG	TD
Walker	23	185	8.1	0
Burns	7	39	5.8	0
James	2	5	2.5	0
Booth	2	3	1.5	0
Schutt	1	9	9.0	0
Kloefkorn	1	58	58.0	1

Kickoff Returns	NO	YDS	AVG	TD	LG
Teyssier	14	307	21.3	0	49
Mathers	6	145	24.1	0	67
Crumpacker	4	78	18.2	0	25
Weiss	2	67	33.5	0	66
Hall	1	13	13.0	0	13
Kolyn	1	6	6.0	0	6

Tackles	TOT
Jones	96
Hickman	67
O'Steen	54
Kloefkorn	53
Crumpacker	50
Staskus	44
Derian	34
Hextrum	29
Weed	25
Frey	19
Heck	17
Stoler	14
Warhurst	13
Parr	11
Mayer	10
Jackson	10
Collins	10
Dixon	10

Pride and, unless UCLA pulls off a miracle in Los Angeles tonight, second place in the Pacific-8 are on the line this afternoon in the 77th Big Game at Berkeley's Memorial Stadium. The Golden Bears are looking for their best season since 1951 when they were 8-2 and beat Stanford 20-7 under the direction of Lynn O. "Pappy" Waldorf. Stanford is trying to avoid its first losing season since 1963.

California is coached by Mike White, known to Stanford fans as "the one who got away." White was offensive coordinator for two Stanford Rose Bowl teams and was tabbed to replace John Ralston before moving to Cal, where he was also a former assistant coach. White was responsible for the development of quarterbacks Jim Plunkett at Stanford and Craig Morton of Cal, and in Steve Bartkowski has another top quality quarterback. Bart his 21 of 30 passes against Washington State to overtake Morton's single season passing and total offense records at Cal, and make his completion percentage almost as good as Guy Benjamin's. Benjamin, whose average dropped to 68.4% after hitting 1 completion in 4 attempts against Oregon, will no doubt warm the bench again behind Mike Cordova. Cordova is only 27 of 74 in the last three games, but is better than Benjamin at faking to nonexistent running backs, throwing into the ground and falling down.

Bartkowski is in an enviable position running Cal's drop-back style offense. When he gets tired of handing off to Howard Strickland, Chuck Muncie, and Mark Bailey, who run the 100 in 9.6, 9.7, and 9.7 respectively, the senior baseball star can throw to any of them, or tight end Steve Oliver, or wide receiver Steve Rivera, or 9.6 sprinter Wes Walker. Half of Cal's Pac-8 champion sprint relay team is on their offensive squad, so the Blue and Gold boast one of the fastest scoring combinations on this side of Cliff Branch.

The Stanford defense stole the California gimmick last week, playing a Rubber Band defense to shut out Oregon in their best outing of the year. Soph Duncan McColl had a fine game in relief of All-American Roger Stillwell, who wasn't. Stanford plays a 3-4-4 or "50" defense, popular in the Pac-8 due to the abundance of good linebackers in the conference. Stanford has some of the best in John Snider, Forrie Martin, Geb Church, and Gordy Riegel. The front three of Pat Donovan, Drew Palin, and Stillwell will have to play up to their potential to keep the secondary from being burned by the Cal flashes.

The Cardinal defense's biggest problem this year has been fatigue, as the offense has been unable to keep them off the field for any extended periods of time. Stanford's running attack of Scott Laidlaw and Ron Inge up the middle has been impressive against Oregon State and Oregon with a definite lapse against USC. Let's hope it's not an every-other-game thing.

At the beginning of this season, in spite of Coach Jack Christiansen's assurances that three quarterbacks would be battling for the starting job, Playboy sports editor Anson Mount predicted that Stanford's offense this year would depend on the performance of Soph. Physics major Mike Cordova. Stanford fans may have noticed that this year the slogan "It's performance that counts" has been removed from the Stanford stadium scoreboard. In any case, Stanford has three excellent receivers in Eric Test, Bill Singler, and Tony Hill, and alternates two fine tight ends in Ted Pappas and Brad Williams. The offensive line has provided good pass protection consistently, even in the Southern Cal debacle.

It is fortunate that Singler, Test, and Hill have the moves to get open, for it is unlikely that anyone is going to beat Cal's defensive secondary with speed alone. WSU quarterback Chuck Peck was intercepted six times last week for trying. Sammy Burns, who anchored the aforementioned sprint relay team and is not the fastest in that secondary, even though he is a 9.5 sprinter. The Bear's press book lists Harold Fike, the free safety, as the fastest back. And that's FAST. Herman Edwards, who is really Raider All-Pro Willie Brown in disguise, averaged two interceptions per game last year and had four of Cal's five interceptions against WSU.

The Blue and Gold defense was dubbed the Rubber Band earlier this season (this has no relation to Stanford students' nickname for the USC marching dustbins) because of its tendency to give up yards but not points. Last week they gave up both to Washington State's veer offense.

"Their veer offense is tough for any defense," Bart commented after last week's thriller. Sorry, Stanford fans, your team runs from a pro variable T, and the last time they ran an option is being determined by carbon-14 dating.

The special teams are one spot where Stanford rooters can take heart. Punter Tom Lynn is probably the most improved player on the squad. Mike Langford follows in the tradition of Steve Horowitz and Rod Garcia of "one first down from midfield and three points." Return artist Ray Anderson has survived to play another week. Cal's return men didn't get much practice last week as WSU never punted. A certain placekicker who missed a field goal in the closing minutes against SC would prefer to remain anonymous.

The outlook for this afternoon can be summarized as two problems for Stanford: Cal's offense and their own. The Cards must stop Bartkowski and company if they are to stay in the game. And Mike Cordova will have to get loose or get injured to prevent Stanford's scoring from being limited to multiples of three.

—analysis by Alex Hulanicki

Stanford stats

Scoring By Quarters

	1	2	3	4	Tot.
Stanford	47	54	20	27	148
Opponents	45	40	40	49	174

Team Statistics	Stan.	Opp.
Points	148	174
First Downs	144	157
Total Yardage	2588	2684
Rushing Yardage	931	1695
Passing Yardage	1657	989
Interceptions	14	10
Fumbles/Lost	21/11	28/13
Penalties/Yards	46/489	41/373
Punts/Average	54/36.7	44/37.8
Punt Returns/Average	22/8.9	32/8.6
Kickoff Returns/Average	33/19.7	28/19.5

Passing	PC-PA	YDS	PCT	TD	HI
Cordova	103-227	1242	.454	8	7
Waldvogel	21-40	229	.525	1	1
Benjamin	17-22	186	.773	2	2

Rushing	TCB	NYG	AVG	TD	LG
Laidlaw	118	447	3.8	3	27
Inge	59	244	4.1	1	19
Tenn	23	103	4.5	0	22
Ostrom	30	76	2.5	1	8
Cordova	49	42	0.9	1	17
Baumgaertner	8	32	4.0	0	9
Stevenson	6	18	3.0	0	8
Holmes	2	5	2.5	0	4
Waldvogel	10	-3	-0.3	0	9
Lofton	1	-6	-6.0	0	-6
Benjamin	2	-27	-13.5	0	-5

Scoring	TD	XP	FG	SAF	PTS
Langford	0	16-17	10-20	0	46
Laidlaw	4	0-0	0-0	0	24
Singler	3	0-0	0-0	0	18
Test	3	0-0	0-0	0	18
Inge	2	0-0	0-0	0	12
Pappas	1	0-0	0-0	0	6
Ostrom	1	0-0	0-0	0	6
Cordova	1	0-0	0-0	0	6
Hill	1	0-0	0-0	0	6
Williams	1	0-0	0-0	0	6

Receiving	NO	YDS	AVG	TD	LG
Hill	28	411	14.7	1	47
Test	27	322	11.9	3	25
Williams	18	222	12.3	1	28
Inge	14	132	9.4	1	29
Singler	12	203	16.9	3	31TD
Laidlaw	12	124	10.3	1	24
Pappas	11	109	9.9	1	15
Tenn	7	49	7.0	0	14
Baumgaertner	6	38	6.3	0	14
Ostrom	5	40	8.0	0	21
Hoaglin	1	7	7.0	0	7

Interceptions	NO	YDS	AVG	TD	LG
Skrabo	3	40	13.3	0	17
Blanchard	3	7	2.5	0	7
Waters	2	8	4.0	0	8
Snider	1	19	19.0	0	19
McGovern	1	14	14.0	0	14
Francis	1	5	5.0	0	5
Martin	1	0	0.0	0	0
Church	1	0	0.0	0	0
Palin	1	3	3.0	0	-3

Punt Returns	NO	YDS	AVG	TD	LG
Anderson, R.	19	165	8.7	0	30
Blanchard	2	16	8.0	0	15
Kellar	1	15	15.0	0	15

Kickoff Returns	NO	YDS	AVG	TD	LG
Anderson, R.	19	399	21.0	0	87
Inge	6	120	20.0	0	26
Ostrom	5	93	18.6	0	42
Kellar	2	39	19.5	0	23
Tenn	1	6	6.0	0	6

Tackles	SOLO	ASSIST	TOT
Riegel	53	59	112
Palin	44	58	102
Donovan	40	56	96
Martin	37	52	89
Snider	35	44	79
Church	38	35	73
Stillwell	25	37	62
Blanchard	16	29	45
Siemens	16	26	42
Waters	15	23	38
McColl	13	22	35
Francis	11	16	27
Skrabo	19	6	25
Walker, K.	14	10	24
Wilson	10	11	21
Pape	12	8	20
McGovern	7	11	18
Olenchak	3	13	16

THE AXE - GONE AGAIN?

Not stolen, but lost! Wells Fargo Bank or Christiansen to blame?

By JOHN MAYER

Sports Information Director Gary Cavalli today denied rumors that the famous Stanford Axe was missing or stolen. However, members of the Delt House report that the traditional trophy is not in its safety deposit box in the campus branch of the Wells Fargo Bank. This fact came to light when a group of Stanford players requested that they be allowed to bring the Axe to an annual fund-raising dinner held at Ming's earlier this week.

"We talked to Gary [Cavalli] about it, and at first he thought it would be a good idea," said one pre-season All-American, "but a couple of days later he told us the idea had been vetoed by Coach

Chris [head coach Jack Christiansen]. We've been getting nothing but the runaround since then."

Cavalli explained the move. "Jack said he wasn't going to be suckered the way Mike White was last year." Ming's was the site of Stanford's successful theft of the Axe before last year's cross-bay classic. Still, what danger of a Cal plot could lurk behind a request from Stanford's own players? This preoccupation with security at the expense of pre-game publicity is out of character for the Athletic Department.

Wells Fargo officials the *Daily* contacted were careful to point out that they are not responsible for anything which happened

outside their safe. Delt House sources also claim that this year the Athletic Dept. did not arrange for the traditional "honor guard" which protects the axe while it is being transported from the safe to the game.

This leads to one obvious question: If the Axe isn't in the Wells Fargo safe, what happened to it?

Observers at the *Daily* are convinced that the Axe was not stolen.

"If it had been, everybody on this side of the Sierras would have heard about it," said former *Daily* Editor Rich Jaroslovsky. Traditionally, this has always been the case, from the first theft by Cal in 1899, to the famed theft by the "Immortal 21" in 1930, to the most recent theft last fall, the thieves have always been quick to announce their action. More importantly, there has never been any reason for either school to deny its theft.

The story would have been written off as an unsubstantiated rumor but for the appearance of two facts. First, student relations employees at Wells Fargo report to the *Daily* that they overheard conversations between the branch manager and a senior Wells Fargo vice president on how to avoid becoming the scapegoats in the affair. One was overheard to say, "...they never put it there, but if it doesn't turn up, we'll catch hell..." Christiansen's name was mentioned several times.

Second, on Wednesday a member of the Stanford Fencing

Association delivered to the *Daily* photocopies of a purchase order to American Fencers Supply in San Francisco. The purchase order was for a trophy in the form of an Axe and was signed by Jack Christiansen. The order was being returned, with an accompanying letter explaining that it could not be filled by the specified date, November 21. The letter was addressed to fencing coach Jean Helliwell.

Helliwell explained the situation to the *Daily* as follows: "We do a lot of business with American Fencer's...we buy the weapons and equipment for the fencing team from them. In addition, students who want to purchase their own equipment usually do so through the P.E. Department; it's cheaper and saves them a trip to the city. American Fencer's also sells a variety of antique weapons as trophies, which we occasionally buy. Fred [manager of American Fencer's] isn't much of a football fan. He must have thought Chris was one of my students, and that's why the order was returned to me."

Daily reporters, checking the Athletic Dept.'s financial records, found that a purchase order with the same serial number was listed in the files as going toward a party for the assistant coaches and their wives. The party was never held.

The *Daily* also went to

American Fencer's and discovered that they had contracted with the Sword and Ploughshare Company of New Brunswick for an axe, "...to weigh ten pounds with a fifteen-inch blade..." A photograph of the Axe, taken from Don Liebendorfer's book, *The Color of Life is Red*, accompanied the correspondence. The New Brunswick firm folded last month, in the wake of labor problems.

Questioning of players present at last year's game revealed that none of them had seen the Axe delivered to Wells Fargo.

"We brought it into the locker room and all got wasted, everybody, the coaches, the attendants, it was the wildest stag party I've ever been at." Most of those present don't remember any more than that, but Athletic Dept. staff recalled that Christiansen was back in the locker room the next day looking for something. They assumed he had lost his wallet.

Our Delt House sources, on hearing of our information, feel that the Axe was misplaced during last year's victory celebration, and that Christiansen has been covering up the fact since then.

"This whole thing reminds me a lot of Watergate," said one senior linebacker.

Christiansen was unavailable for comment last night. ☐



Axe heist by Cal in 1956

—Photo courtesy of Pat

Cheerleaders Pressured

By GLENN GARVIN

"Is anybody out there for Stanford?"

Two weeks ago this question was answered by a hail of water balloons from irate Stanford "fans." Meanwhile, the opposite side of the stadium was shaking to the unified voices of SC rooters.

"S...O...U...T...H-E-R-N..."

"Come on, let's hear it for Stanford!"

"C...A...L...I...F...O...R-N-I-A..."

This year's Seniors and a few graduate student hangers-on are the last class who still remember the satisfying sound of "Stanford" echoing loudly enough off the far side of the stadium to make one think there was another cheering section there. This year the cheers are barely audible within the student section.

Before this season, 1971 was the last year of student cheerleaders at Stanford. In the Spring of 1972 the student body elected the Tuba section of the Band as cheerleaders. This year's cheerleaders were not elected.

"We got rid of the last group by getting ourselves elected," said one band member, "this bunch is supported by the Athletic Department. They're independently wealthy." One of the more successful cheers by Stanford students at the SC game was led by Band members. It

involved a suggestion to the cheerleaders on what to do with the microphone.

The good-natured way in which the cheerleaders take both abuse and bombardment has prompted some to conclude that they are either masochists, Jesus freaks, or unfinished products of the Artificial Intelligence Laboratory.

During the past week, *Daily* reporters have been attempting to interview the cheerleaders. Finding them was not difficult, as most students don't wear "I'm a Big Red Rooter" buttons to class. Most of them, however, were reluctant to speak to the press.

"We heard about what you guys did to the Dollies two years ago," said one, "and we're not about to let you make us look like idiots in front of everybody."

After reassurances that we didn't try to make anybody look like idiots, along with promises not to publish their names, we were allowed to get a better look at the kind of person who becomes a Stanford cheerleader.

Most seemed to think that the student body was behind them.

"They don't cheer because they aren't used to cheering," said one. Another blamed "outside unagitators." There may be some truth to the former theory. At the last home game, the first cheer, a Stanford spellout, was met only with a mass mumble of, "what?"s.

"I don't think they should let people bring beer into the games," said a plump brunette in a cardinal and white mindress, "they can't understand the yells when they're drunk."

"The water balloons don't bother us," she continued, "since we know the people throwing them are throwing them affectionately."

"Being a cheerleader is a great way to meet guys," another admitted. "At the SC game a lot of guys came down to the microphone with propositions."

There is another side to the story, however.

"We practice every day, so it kind of takes away from our studies." Practice involves writing new cheers, leading each other in cheers, jumping up and down, and clapping.

The interference with academics doesn't faze them in the least.

"You don't need more than an A.B. to get an MRS.," grinned one.

The cheerleaders are uncertain whether or not they'll attend today's Big Game. The Athletic Department only supports them for home games, and besides, the Rose Bowl is no longer at stake.

This situation has struck many as unfair, and the Band is considering using some of its fee assessment money to send the cheerleaders to Berkeley. Permanently. ☐

AFTER THE GAME



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California Bears

NO.	NAME	POS.	HT.	WT.	RANK	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																																																																																																																																																										
1	Dwayne O'Steen	DB	6-2	185	7	51	Ed Schumm	LB	5-11	115	1	51	Ed Schumm	OG	6-3	230	8	54	Whit Everett	C	6-2	220	4	55	John Jackson	LB	6-3	225	5	56	Pat Hall	C	6-9	305	1	57	Bunny Delmer	OT	6-6	245	7	58	Kim Staskus	LB	6-1	220	6	62	Pat Micco	OT	6-2	225	7	63	Pete Wirth	OG	6-4	222	4	65	Tom Collins	BT	5-7	200	9	69	Joe DeRosa	OT	6-5	220	4	73	Chris Mackeral	OG	6-4	240	2	74	Charlie Smiland	OT	6-3	225	8	75	Deacon Jones	DT	6-5	260	4	76	Walt Kloeffkorn	DT	6-8	285	1	79	Ted Albrecht	OT	6-4	235	5	80	Phil Heck	LB	6-2	230	7	81	Jeff Orlich	DB	6-2	205	3	82	Steve Oliver	TE	6-3	215	6	83	George Freitas	TE	6-3	210	8	84	Clara Teyssier	LB	5-6	255	1	85	Paul Kolyn	DT	7-2	175	1	86	Dave Frey	DT	6-5	230	8	87	Chuck Hextrum	DT	6-5	230	6	88	Dallas Hickman	DT	6-6	225	9	89	Roy Fiebiger	TE	6-3	215	3	90	Rob Swensen	LB	6-4	230	2	91	Jim Sarina	WB	4-6	85	1	92	Greg Peters	DT	6-5	240	6	95	Duke Leffler	OT	6-4	235	8	96	Jerry Mathers	B	4-11	135	2	97	Wesley Walker	WR	6-0	180	7	98	Steve Weed	SLA	5-11	175	10	99	Paul VanderMehden	MG	6-1	230	4

Probable starters

Offense

Tight End	Steve Oliver	82
Strong Tackle	Ted Albrecht	79
Strong Guard	John Culpepper	63
Center	Jack Harrison	56
Weak Guard	Chris Mackie	73
Weak Tackle	Joe DeRosa	69
Split End	Steve Rivera	7
Quarterback	Steve Bartkowski	10
Flanker	Wesley Walker	97
Tailback	Howard Strickland	32
Fullback	Chuck Muncie	42

Defense

Middle Guard	Ivan Weiss	50
Right Tackle	Chuck Hextrum	87
Left Tackle	Dave Frey	86
Middle Linebacker	Phil Heck	80
Middle Linebacker	Bob Smith	84
Strong Linebacker	Rob Swenson	90
Weak Linebacker	Blane Warhurst	38
Left Corner	Herman Edwards	22
Right Corner	Dwayne O'Steen	1
Rover	Karl Crumpacker	18
Safety	Jeff Orlich	81

Specialists

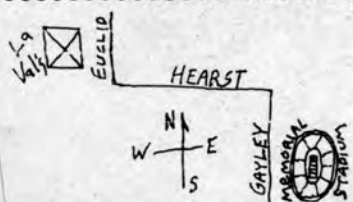
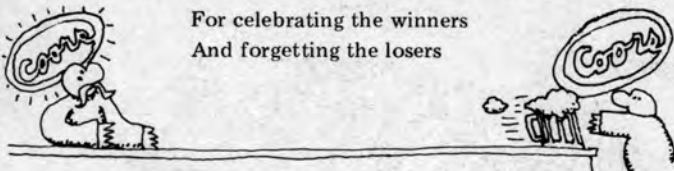
Place Kicker	Ron VanderMeer	33
Punter	Bob Cummings	25

Coaches

Head Coach — Mike White (California '58);
 Assistants — Lew Erber (Montclair St '56); Jim
 Erkenbeck (San Diego St '52); Paul Hackett (U.C.
 Davis '69); Walt Harris (Univ. of Pacific '68); Ron
 Hudson (California '69); Johnny Johnson (San
 Jose St '65); Max McCartney (Whittier '59); Roger
 Theder (Western Michigan '63)

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Bears in '73

0	Slippery Rock	41
7	Illinois	27
51	Army	6
54	Washington	49
10	Oregon	41
24	OSU	14
21	UCLA	61
14	USC	50
19	San Jose State	9
28	Washington St.	31
17	Stanford	26



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Probable starters

Offense

Split End Bill Singler 21
 Left Tackle Keith Rowen 76
 Left Guard Tom Tipton 62
 Center Rudy Bergthold 57
 Right Guard Alex Karakozoff 67
 Right Tackle Rob Olson 79
 Tight End Brad Williams 88
 Quarterback Mike Cordova 16
 Running Back Ron Inge 9
 Flanker Eric Test 18
 Fullback Scott Laidlaw 33

Defense

Left End Pat Donovan 83
 Middle Guard Drew Palin 64
 Right End Roger Stillwell 91
 Outside Linebacker Gordy Riegel 55
 Outside Linebacker John Snider 46
 Middle Linebacker Forrie Martin 49
 Middle Linebacker Geb Church 90
 Safety Jeff Siemens 17
 Defensive Back Gerald Wilson 13
 Defensive Back Rich Waters 43
 Safety Doc Blanchard 29

Specialists

Place Kicker Mike Langford 19
 Punter Tom Lynn 25

Coaches

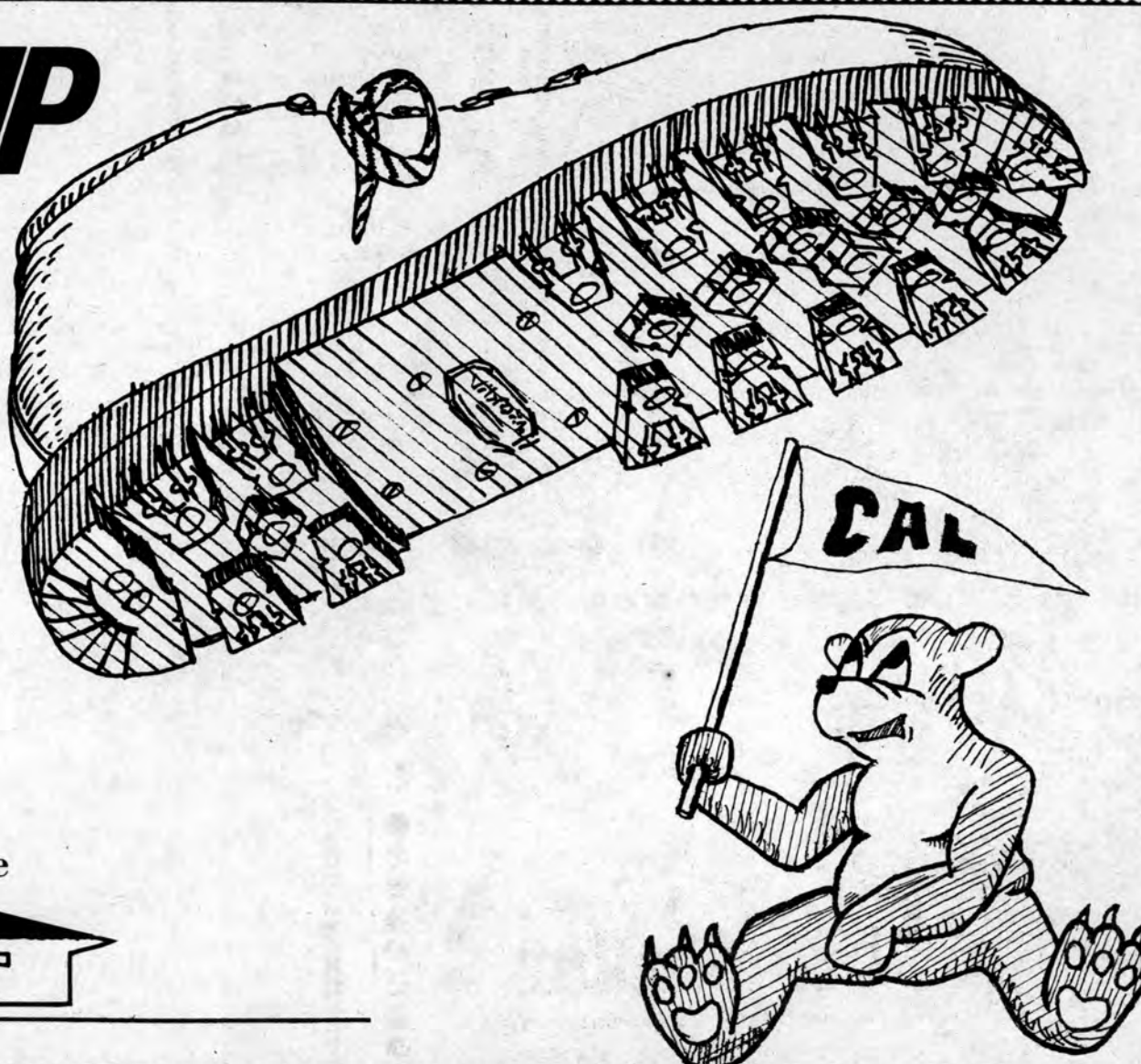
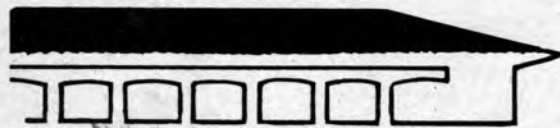
Head Coach—Jack Christiansen (Colorado St. '51);
 Assistants—defense and linebackers, Norb Hecker (Baldwin
 Wallace '51); defensive backs, George Siefert (Utah '63);
 defensive line, Gunther Cunningham (Oregon '68);
 offensive backs, Dave Currey (Cal State LA '66); receivers,
 Pete Kettela (UC Riverside '61); offensive line, Hudson
 Houck (USC '65); special teams, Willie Shaw (San Diego
 St. '71).

Stanford Cardinals

NO.	NAME	POS.	HT.	WT.	RANK								
9	Ron Inge	QB	6-0	200	7	53	Dan Francis	IL	6-3	225	5		
10	Guy Benjamin	QB	6-3	200	8	54	Rich Merlo	OL	6-1	210	7		
12	Steve Dils	QB	6-2	180	3	55	Gordy Riegel	IL	6-5	230	6		
13	Gerald Wilson	DB	6-0	190	6	56	Ken Shropshire	C	6-1	210	7		
15	Jerry Waldvogel	QB	6-2	200	6	57	Rudy Bergthold	C	6-3	230	2		
16	Mike Cordova	QB	6-4	215	7	58	Ramsey Blackburn	C/OG	6-1	225	3		
17	Jeff Siemens	DB	6-1	195	5	59	Mark Hill	C	6-4	240	1		
18	Eric Test	WR	6-3	205	8	60	Ray Cardinalli	OL	6-0	215	7		
20	John Finley	RB	6-2	220	1	62	Tom Tipton	OG	6-3	230	1		
21	Bill Singler	WR	5-10	165	9	63	Drew Nosworthy	IL	6-0	200	8		
22	Glenn Hoyt	DB	5-9	155	6	64	Drew Palin	DT	6-2	240	2		
23	Ray Anderson	WR	5-11	180	1	65	Gary Anderson	OG	6-4	235	4		
24	John Pigott	DB	5-11	170	4	66	Jim Smythe	OG/LB	6-1	230	5		
25	Tom Lynn	DB/P	6-2	200	6	67	Alex Karakozoff	OG	6-3	220	9		
26	Paul Skrabo	DB	6-1	170	7	68	Al TenBruggencate	OG	6-3	250	3		
27	Larry McGovern	DB	6-2	185	5	69	Art Estrada	DT	6-0	245	9		
28	Mike Connor	DB	6-2	200	8	70	Ron Goss	OT	6-5	220	5		
29	Doc Blanchard	DB	6-1	195	1	71	Todd Anderson	OT/C	6-5	240	5		
30	Jim Lofton	WR	6-3	180	9	72	Gordon King	OT	6-4	230	3		
31	Duf Sundheim	DB	6-1	185	4	73	Rob Blanche	OT	6-5	225	1		
32	Dave Tenn	FB	6-2	210	6	74	Bill Hubbard	OT	6-4	240	2		
33	Scott Laidlaw	FB	6-0	210	2	75	Steve Kemper	OG	6-4	240	5		
35	Tom Pike	FB	6-3	210	1	76	Keith Rowen	OT	6-4	250	4		
36	Don Stevenson	FB	6-1	210	5	77	Duncan McColl	DE	6-4	220	6		
38	Andy Kolesnikow	OL	6-3	225	6	78	John Harris	DT	6-3	235	7		
39	Sig Ostrom	RB	6-0	200	8	79	Rob Olson	OT	6-3	235	1		
40	Roland Young	DB	5-9	180	4	80	Jim Jenke	WR	6-1	175	3		
41	Kelly Walker	DB	6-0	175	7	81	Chip Underwood	PK	6-2	200	7		
42	Bill Kellar	WR	6-0	180	1	83	Pat Donovan	DE	6-5	240	2		
43	Rich Waters	DB	6-2	185	3	85	Mike Yancey	OL	6-0	210	3		
44	Marvin Holmes	DB	5-10	175	2	86	Ted Pappas	TE	6-4	205	8		
45	Joe Baumgaertner	RB	6-0	190	1	87	Mike Hoaglin	TE	6-8	240	5		
46	John Snider	OL	6-3	215	9	88	Brad Williams	TE	6-4	225	4		
47	Tony Hill	WR	6-2	175	6	89	Dave Walker	DE	6-3	230	5		
48	Terry Pape	IL	6-0	215	8	90	Geb Church	OL	6-3	200	3		
49	Forrie Martin	IL	6-0	220	8	91	Roger Stillwell	DE	6-6	260	4		
50	Dan McCann	IL	6-3	220	4	92	Lacy Atkinson	DE	6-3	230	6		
51	John Olenchak	IL	6-2	230	1	93	Geoff Kiebertz	DE	6-4	220	7		
						94	Tom Ryska	DT	6-5	230	5		

STOMP CAL!

Stanford Bookstore



Big Game dance a hit

By STEVE WEISS

Last night San Franciscans witnessed the unprecedented social event of the century as Stanford students and alumni filled the ballroom of the St. Francis hotel. The San Francisco *Chronicle* reported the event as "The Great Event of the Century!!" while the *Examiner* stated, "It [the affair] went beyond the Avant-Garde."

Alumni danced to the old tunes of Lawrence Welk while Stanford students sat around wishing they could trade their \$25 tickets in for 30 Big Macs or 25 Jack runs, or maybe even 2 1/2 Quad yearbooks.

George Vogel, one of the organizers of the event, stated, "I was quite surprised to see that all the tickets were sold." Rumor had it that scalpers were selling tickets for as much as \$30 per person outside the St. Francis hotel. With his astute intuition for successful business operations, ASSU Financial Manager Frank Olivieri reported that the event was "...a great money-maker..." One prosperous and generous alumnus announced, "It brings real joy to

my heart to see the alumni and student body brought together on such a happy occasion. It's a pleasant change from the sixties."

Attire deviated quite from the Stanford norm as the men looked like they came out of the penguin exhibit at the San Francisco zoo and the Stanford coeds promiscuously paraded around in their extremely low-cut gowns while implementing their laissez-faire policy of look-but-don't-touch.

Several celebrities were noticed mingling on the crowded dance floor. One had no trouble picking out Patty (Tania) Hearst with her beautiful array of .30-06 bullets dangling about her neck. Even Elizabeth Taylor would be intrigued. Making her first debut since her TV premiere in L.A., Patty attended the event escorted by her dashing fiancé, Field Marshal Cinque. They plan to be wed on April 17 at the Hammer and Coffin Society's infamous earth-shaking banquet.

As *Daily* editor Dave Robinson said, "A good time was had by all." ☞

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Football's physics

By M. CORDOVA

The attainment of an excited transcoupled dimer state, the so-called TD effect, is presently the most important phenomena being studied in American universities. Untold amounts of time and money are being poured into this problem.

For the past nine weeks we have been conducting experiments at Stanford University on transcoupled dimer states using the photon/boson method. This project is a continuation of our highly successful experiments in the fall of 1973. However, we are now using a larger, more sophisticated setup, although on a time-sharing basis.

Unfortunately, photon theory is, in general, extremely complex. However, one can grasp the basic ideas with only a rudimentary knowledge of quantum electrodynamics. The photonic effect can be modeled as a lone photon in a sea of bosons.² The photon produces an attractive potential between a group of bosons and a group of antibosons. The antibosons are simply bosons stripped of their charge-accounts. For this reason they are referred to as bare bosons. The photon absorbs the energy released by the boson-antiboson attractions. This critical step, which leads to the TD effect is definitely nonclassical and must be explained quantum electrodynamically. A simple (possibly too simple) mathematical proof would be:

$$\frac{\hbar}{2(u_1+u_2)} \nabla^2 \psi - \frac{\hbar^2(u_1+u_2)}{2(u_1+u_2)} (\nabla')^2 \psi + \nabla(\nabla') \psi = E \psi \quad (15.47)$$

simply the Shrodinger equation with

$$\nabla \rightarrow (x, y, z); \quad \nabla' \rightarrow (x', y', z')$$

Obviously

$$H = H_R + H(GNF) \text{ and } (15.48)$$

$$\int \psi^2 = f(u) \quad (1.1)$$

and using the assumption

$$|QB| = 3 \quad (B=0) \quad (16.10)$$

one can easily derive

$$\phi(\omega) = \frac{4\pi^2}{u_1+u_2} | \langle k | \exp(\frac{1}{2}(\nabla \cdot \nabla')) \psi \cdot \psi | \rangle |^2 \frac{1}{4\pi} \quad (18.76)$$

which obviously implies

$$\sin \alpha = 2.6; \quad \frac{\partial(\phi/\psi)}{\partial t} < 0; \quad \frac{\partial^2(\phi/\psi)}{\partial t^2} > 0$$

and the result follows.

A more compact and esthetically beautiful (although slightly advanced) method of expressing the previous proof is:

$$A=B \quad (84.13)$$

$$B=C \quad (43.62)$$

assuming $1=3 \quad (13.13)^3$

implies $A=C \quad \text{QED, SSM}$

Irregardless of the scope of the reader's mathematical or physics background the above gives a general feeling of the difficulty and complexity of present day photon theory.

Very simply our procedure consists of accelerating a photon under conditions of high stress into a sea of bosons. The scattering or capture of the photon is then measured as a function of energy (initial velocity). Capture is the desirable process as it leads indirectly to the TD effect.⁴ Our major difficulties have been twofold; one, we have encountered a particularly bothersome grounding phenomenon and two, certain interference effects often predominate capture. For example, my colleague, D. Fense, who has been studying equivalent anticapture processes, has reported extreme losses due to interference effects.

Theoretical calculations suggest an expected cross section of 2300 millibarns or about 50 percent units. These values have been confirmed by many researchers. For example, S. Bartkowski of Berkeley reports values of greater than 55 percent units. G. Benjamin of Stanford reports values greater than 70 percent units. However, such results have not been reproducible in our laboratories.

In conclusion, one could say that our work has been encouraging but has not yet reached full flower.

Footnotes

1. The experimental setup is a professional model designed especially for me by J. Christiansen.

2. The original model (c. 1971) was a lone photon in a sea of fermions. However, this theory was quickly disproven in October of 1971 by a joint Stanford-USC photon interaction experiment. It was observed that the entire process was carried out solely in the state of California, clearly violating the fermion assumption. An excellent discussion is given by James Sarina in his classic paper, *We're All Bosons On This Bus*.

Stanford Schedule		
20	Penn State	24
7	Illinois	41
21	San Jose State	21
16	Michigan	27
13	UCLA	13
34	Washington	17
20	Washington St.	18
17	Oregon State	13
0	USC	2000
17	Oregon	0
Nov. 23 at California		

Stadium Information

Memorial Stadium is aligned along an east-west axis. The scoreboard is on the north side, and the press box is located on the north-east corner.

First aid booths are located on the second level of the stadium's east side. Doctors dodging calls should enter via the west side to avoid the nurses on duty.

Restrooms are located on the second level of the stadium's east side. Beware! Though the stall itself does not cost, the toilet paper does.

Telephone booths are located on the second level of the east side. The old telephones have been removed this year and replaced with a new line of Picturephones. You can call any of your friends via Picturephone, and the fee is really very modest.

National Rankings API Poll

1. Michigan	10-0-0	1,212
2. Alabama	10-0-0	1,009
3. Slippery Rock	10-0-0	999
4. Ohio State	9-1-0	432
5. Wartburg	10-0-0	398
6. Brockport State	4-6-0	375
7. Vassar	5-4-1	352
8. Barnard	4-5-1	351
9. Texas	8-2-0	325
10. C.W. Post	3-7-1	301
11. Oklahoma State	7-3-0	298
12. Oklahoma	10-0-0	234
13. Manhattan	3-7-4	233
14. Columbia	0-10-0	222
15. U.C. Davis	1-9-0	215
16. Notre Dame	7-4-0	201
17. Sorbonne	11-2-3	198
18. E. Washington St.	3-7-2	45
19. Stanford	4-4-2	2
20. U.S.C.	7-1-1	1



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3. See Strong, Dobb: *Unity Transformations on the Unit Hypersphere, Applications and Fudge Factors*. Phys. Rev. 73 1972 2115 (Available only in the original Navajo or Celtic).

4. Of course other methods may be used. For example, W. Hayes has developed an extremely effective field effect method, affectionately referred to as the 2.74 meter and a cloud of dust accelerator. ☞



—Photo courtesy of Gene Tupper

Search For New Receivers

Watch for some new plays next year

By BARRY L. PARR

"Football is like any other strategic operation," says Stanford Cardinals Coach Jack Christiansen. "You have to put your disadvantages to work for you." For the past few weeks many Cardinal fans have suggested that is just what Christiansen is doing when he plays quarterback Mike Cordova. "Mike is misunderstood," defends Christiansen. "His tendency to slur words and walk with a shuffle have made him the butt of some very cruel jokes."

Christiansen is not worried about Cordova's celebrated penchant for throwing "worm-burners." "Well, Mike's got a very powerful arm. We're

working on a play right now that will turn those low balls into a crippling weapon." Christiansen would not elaborate.

To take full advantage of Mike Cordova's unique delivery, which he prefers to refer to as "ininterceptable," Christiansen has begun a nationwide search for appropriate receivers. He has turned up at least two prospects.

Sheldon Stump is a Butte, Montana High School senior whose astonishing height—or lack of it—of 3'5" makes him a prime prospect for receiving Cordova's passes. Unfortunately, Stump was recently involved in an automobile accident and will be confined to a wheel chair for at least three years. "We haven't ruled Stump out, though," says Christiansen. "It may slow him

down a bit but, hell, have you ever tried to tackle a guy in a wheel chair?"

Another possibility is Warren Shumway of Surprise, Arizona. "Warren's arms hang unusually low," claims Christiansen. "He amuses his few friends by tying his shoes without bending over. This makes him great for Mike's high, low, and wild passes. There is only one problem. Warren is a cretin." Christiansen admits that this may make it difficult for Shumway to get into Stanford. He plans to surmount this difficulty by proving that Stanford discriminates against cretins. "Stanford hasn't admitted a cretin in the past three years. It's disgraceful. Of course, this figures does not include the administration." ➡



Photo courtesy of University News Service

Sheldon Shumway

OSKI Bites!

By Seymour Glass

OSKI? Could it stand for the Polish Wizard of Oz or an Indian battle cry; or does it really have the demeaning connotations that most University of California authorities on such matters attribute to it? Apparently only the 1895 University of Pennsylvania track team members know for sure, because it was they who dubbed it on California's team symbol: a brown bear, borne on a banner which the Californians brought with them to Philadelphia. Whether to mask its then (1898) tacitly understood meaning or to rally support at athletic events, one enlightened (and possibly inebriated) author charged his vast poetic expertise to conjure up a cheer:

OSKI WOW WOW
OSKI WEE WEE
WHISKEY WOW WOW
WHISKEY WEE WEE
OSKI WOW WOW...
(1898-Anon.)

and with that poured himself another.

Several years later the "Fighting Men of the Blue and Gold" adopted the symbol, becoming the "California Golden Bears", and secured a brown bear cub to be christened "OSKI". Such continued until the late '30's at which time the recurring problem of the bear cub growing up into a large brown bear became serious, especially when it tried to supplement its diet with unsuspecting sports fans, and when it grew overly

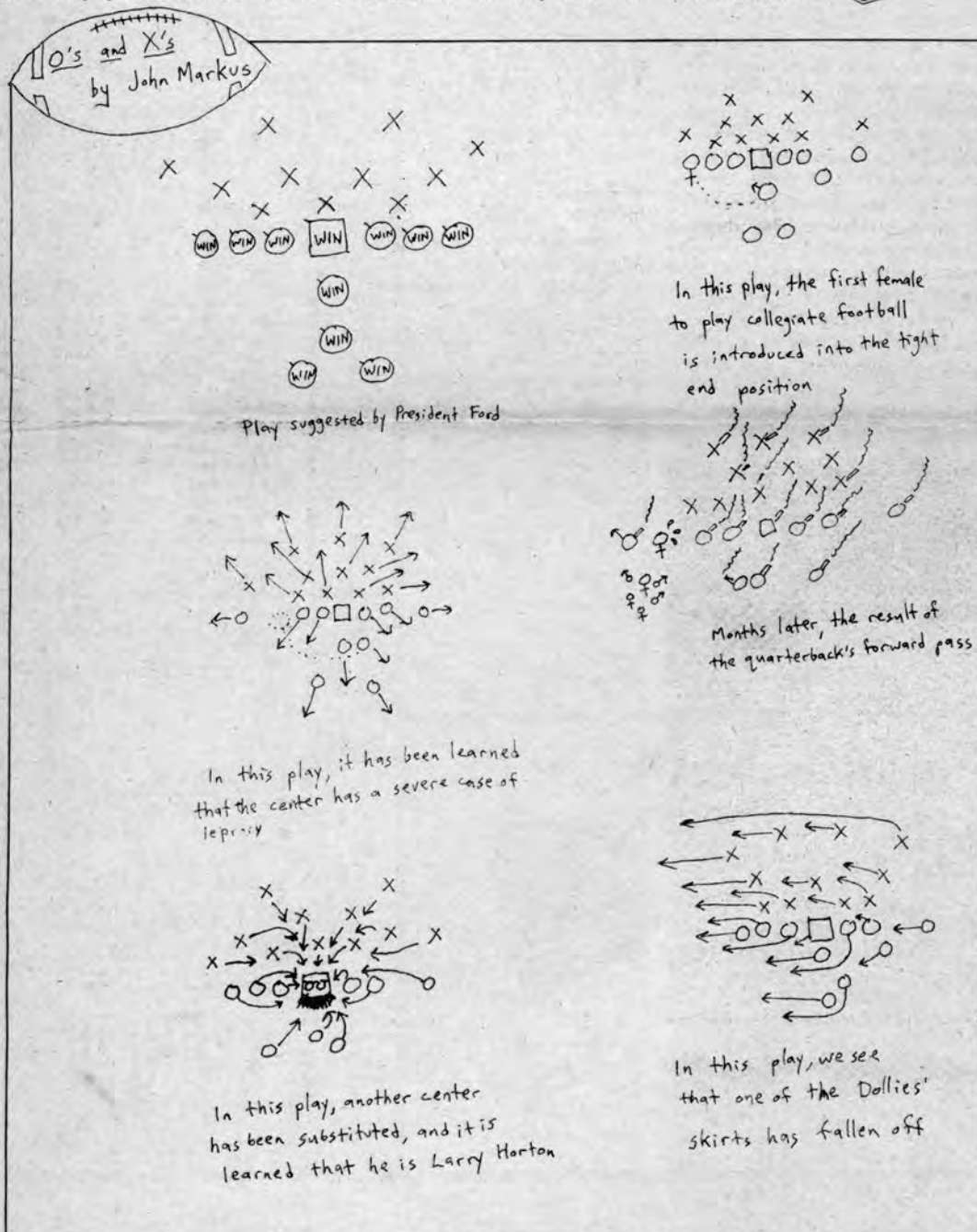
enthusiastic about performing other half-time antics not written in the script.

In 1941 Oski was reincarnated in the form of Cal junior William Rockwell (Class of '43), sporting a size 52 yellow sweat-shirt, blue trousers, oversized shoes, white gloves, and an imaginative rendering of how a bear cub's head might look in papier-mache. In 1946 the "Oski committee" was formed, becoming the official society of Oski trainers and attendants, and charged itself with the task of supplying the lair with future "little brown bears".

Who, then, is Oski? "Everyone knows who Oski is," maintains one Cal Rally Committee member. "He's that cute little brown bear that walks around with, on, and into the cheerleaders at football games." Another rally committee member asserts that there still is a real Oski. "He lives up in Strawberry Canyon, behind the stadium. And if you go up there under a full moon, you can see him through the trees near his lair, cogitating." The same fellow also mentioned that he believes in the Great Pumpkin.

From past observations of Oski's performances at Big Games, it appears that his anonymous trainers have grown rather lax in their disciplining, and have let him ply his own testosterone imaginings as spontaneity dictates.

Is this what the University of Pennsylvania track squad had in mind when the word "Oski" rose to the surface?? ➡



The Fun Place to Eat in Berkeley



Larry Blake's

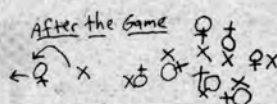
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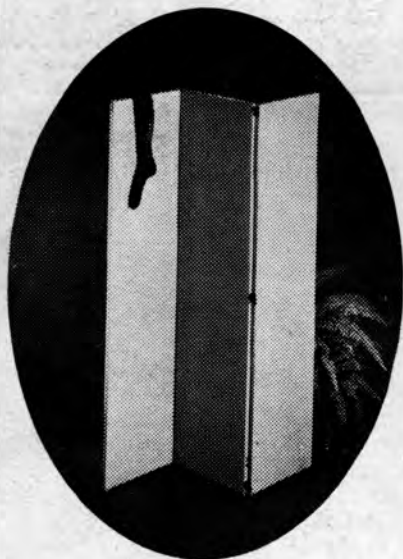
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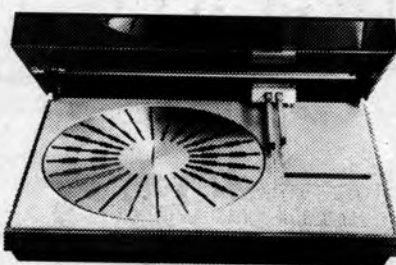
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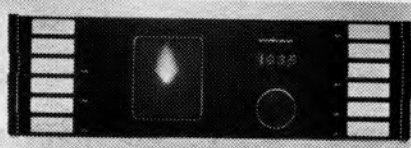
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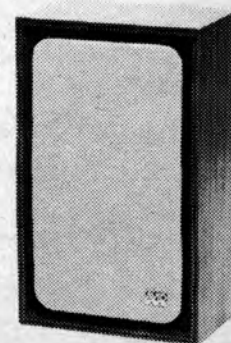
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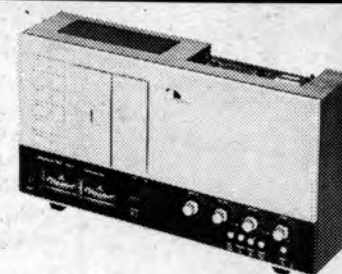
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