

## First Night Football at Technology Witnessed by Semi-Frozen Reporter

Game Played Under Spotlight Proves To Be Noisy and Chilly Affair

The curfew had tolled the knell of parting day; the reporter was plodding his weary way homeward, one of the coldest nights of last week. His thoughts were entirely on how he could keep the chill wind from getting under his overcoat and still keep both hands in his pockets. While in the midst of this profound study, his train of thought was rudely interrupted by sounds from afar.

"Thirteen, twenty-eight, fourteen, hep!" It sounded like a football game, but anyone would be crazy to think that there was a football game going on. It was dark as pitch, and cold as ice; and anyway the Budget Committee doesn't provide for plain football at all and makes even less provision for the night variety.

Throwing one ear up into the wind (it was too cold to use both), the reporter began tracing the sound. "Get the ball up! Tackle 'im! Tackle 'im!" came gently drifting down wind. Surely this was a football game, but where? It couldn't be that sounds from some stadium on the Pacific coast were being heard after dark in Cambridge.

"You're off-side! Whadda yu mean? Line up! Twenty-eight, twelve, thirty-three, hep." Yes, it was a football game; there was no doubt about it, and the reporter was determined to find it. Coming toward Walker, the noise, which was more shouting than tumult, grew stronger. Still came these mysterious shouts, "Signals, six, fourteen, twenty-eight, hep!"

Rounding the corner of Walker, the news hound had his first glimpse of Technology's night football game. There in the glare from the spotlight on Walker, between that building and Building 2, the battle of the ages was going on as the night-football season was opened.

Unbidden shivers played over the frame of the reporter as he stood there watching the game, not as one of a huge throng, but as a single spectator out in the cold. Perhaps the game of ten boys, five on a side, wasn't exactly as smooth an affair as some of the big college games, but each side was just as determined to win as any team ever was.

"Signals, forty-one, thirteen, twenty-seven, hep," and away they go! It was a wonder that parts of the players didn't break off; they must have been frozen and such blows would surely break anything else. A shout from one of the captains, he must have been captain for he was playing quarter, carrying the ball, and giving orders, "Whatta yu mean?"

They line up again after a mild disagreement; the play begins: "Get that man! Run!" The man is downed and a fierce argument ensues. "You're off-side," alleged the defence "Off-side" (and he used a word we don't dare print) retorted the opposing captain, who immediately took charge of the situation. "That ain't no way to play." Further discussion took place with all ten in one group. Apparently it was settled to the satisfaction of all, for play was resumed.

All during the game, or at least during that part of it which the reporter witnessed, noise, super-abundant, came from the players. They weren't as efficient as some teams, but what they lacked in management, they made up in spirit, and shouting.

The reporter looked down to shield his face a moment; there was the dull thud of a kick. He glanced up immediately at this sound which early in the fall signifies that king football has arrived. The ball was in midair; it came down, but the receiver fumbled, recovered, and was downed.

Then came the prize discussion of the evening. "Hey, you didn't holler 'punt formation,'" shouted the captain of the now offensive team. "Yea, I did too," came the reply. Both teams went into a huddle together to settle the matter. Noise, yes, and plenty of it came from the huddle, but the words were only a blur when they reached the single spectator.

Evidently the problem was settled; they lined up; "Six, fourteen, twenty-eight," (this side has a complex for twenty-eight in its signals). "Signals off; punt formation!" Seven, forty-three, eight, hep." The ball is booted; away it goes.

"Block him off! Get him! Get him! Wait a minute! Look at you!" Everybody runs down the field; the runner is tackled by the mob. Then the frantic shouts of a tiny fellow, "Let me up! Let me up!" He must have been buried deep in the pile.

And on the next play! Necking, why no team ever had such a man. He was perfection in this style of play. He will be signed up before he gets out of grammar school. Then came the discussion (there was one for every other play), and a new voice drifted across the field. "Holy Gees, youse guys get over that side." It was a voice of authority; they got "over that side" and play was resumed.

A center rush capped the offensive

## Engineer Rifle Team Wins Four Out Of First Five Matches

Strongest Team in Years Gives Open Challenge To Any Rifle Club

Sharpshooters from all over the country are learning to their discomfiture of the prowess of the Technology rifle team in meets carried on by mail and telegraph. Out of the five matches thus far engaged in by the squad, four have been wins for the Beavers and the third was lost by an extremely small margin, the score being 1827-1839, or the relatively small difference of twelve points. Fordham, Station WLAC, and Johns Hopkins, were all beaten decisively, the only defeat so far being at the hands of Armour Institute, in Chicago.

Few people realize that a rifle meet with a distant team may be carried on throughout the course of a week, the final team scores being forwarded to the opposing manager. The rifle team at Technology is divided into two parts, these being composed of the men in the R. O. T. C. and those not connected with any other shooting organization. The meets are of both these classes and when a man is in one of each, the same week, only one of his cards is scored.

### Three Meets Next Week

The meets for next week include Kansas State Aggies, C. C. N. Y. and an all-week meet with Cornell. These teams are not rated as highly as some of those already defeated, so the prospects are bright for a singularly successful season. The team is in such good shape that the manager is issuing an open challenge to the teams from any club which wishes to enter a meet with the Beavers. This open invitation was the impetus for the meet with the Nashville, Tennessee, broadcasting station, WLAC in which the engineers were successful.

The Inter-Unit matches have been going on since the beginning of December, and have been the source of much rivalry between the different sections. The men in the R. O. T. C. have no other means of meeting each other competitively, so this opportunity of showing their supremacy is eagerly embraced. Just how the Air Corps men emerged from the shadows to win by an eighty point lead is still being discussed with vigor among the different units.

There have been several improvements in the rifle range made this season, which have materially helped the men. The old canvas screen between the range itself and the outer room has been removed and the present permanent wall erected in its place. A new concrete floor has been laid, which will make it considerably easier for the two coal furnaces to heat the range during the winter.

### Co-eds Form Team

The girls in the Institute have to date had no sport in which they could compete, but now they have started a rifle team which practices twice a week. The girls are coached by John Lyon, the manager of the Varsity Team, and while they have no shoots arranged so far, there is a possibility of their meeting the freshman team, some time soon. The manager says that while the scores so far are not of a quality which warrants a meet with the Varsity yet the general run seems to be higher than was expected. Several members are ranking on a level with some of the freshman team.

The results of recent inter-unit pistol matches follow:

1st—AIR CORPS				
	Slow	Timed	Rapid	Total
Murray	95	84	72	251
Strickler	76	86	61	223
Faber	78	80	61	219
Total				693

2nd—ENGINEERS				
	80	86	83	249
Ayres, G. B.	80	86	83	249
Gawlowicz	63	67	62	192
Johnson, S.	73	70	29	172
Total				613

to encourage even the most optimistic. Perhaps some day, or some night, there will be another night game. If there is, we want advance notice and a good stove to carry around under the overcoat.

campaign, and it was successful. Then the looker-on wondered about the try for point; it was omitted altogether.

There was the cry from someone who had apparently just recovered from the last play, "Somebody hit me on the nose." At that the reporter gave it up, and started for home: it was just too cold.

Now for the comments such as every sports editor in the country wrote when he had seen his first night football: It promises to be a great game, especially for the players who can keep warm by moving around, but for spectators, Brrrr, it's too cold. And the audience at this game was nothing

## FRESHMEN CAGERS LOSE FIRST GAME TO NORTHEASTERN

Last Three Minutes of Second Half Give Huskies 27 To 23 Edge

### CANCEL VARSITY GAME

In a closely contested game Wednesday night in the Hangar Gym, the freshman basketball team lost to Northeastern frosh in their initial game of the year. The final score was 27-23 after being tied three times in the last half.

After a first half that looked like the Engineer yearlings would come out on top, the Northeastern five came back strong in the second period to tie the game and then win by two baskets made in final three minutes. The score at the intermission was 13-10, with M. I. T. leading, but the Husky freshmen came to life and, led by Jackym, left forward, counted 17 times to take the game.

### Beavers Lead in First Half

Both teams opened fast, the lead going from one to the other, with the Engineers finally taking it after about six minutes of play. They retained this margin throughout the remainder of the first half and late into the last. With two thirds of this period over, Northeastern tied the score at eighteen all. The Beaver yearlings again took the lead to have it tied at 21-21 and passed by one basket. They then tied the score themselves to have the Huskies make two more field goals from the middle of the floor for the winning margin.

O'Brien of the Engineers and Jackym of the Huskies were the leading scorers for their respective teams. The latter led them all with eleven points, all of which were made in the second half. Eckhoff of Northeastern, was, however, the outstanding man on the floor, using his extraordinary height to an advantage under the basket and in passing. O'Brien, with his nine points, and Steele, in his defensive play, were the stars for the losers.

### Varsity Game Cancelled

There will be no Varsity basketball game this week or until after the holidays, due to the cancellation of the Manhattan College game scheduled for Saturday. The freshmen will play their second game next Wednesday against the Wentworth Institute.

### M. I. T. Freshmen

	G.	F.	P.
O'Brien, rf.	3	3	3
Lawrence, lf.	1	1	3
Rimbach, c.	0	0	0
Struck, c.	1	0	2
Greene, c. lf.	1	0	2
Keyser, r.g.	2	1	2
Steele, lg.	1	0	2
Totals	9	5	23

### Northeastern Freshmen

	G.	F.	P.
Jniwosch, lg.	0	1	1
Milbrandt, r.g.	1	0	2
Boshart, r.g.	0	1	1
Eckhoff, c.	4	0	8
Jackym, lf.	5	1	11
Kramer, rf.	2	0	4
Totals	12	3	27

Referee, Renkert. Time, two 20 min. halves.

## STUDENT TICKETS AVAILABLE AT T.C.A.

Any students who wish to attend the Freiburg Passion Play, which is being performed at the Boston Opera house this week, may obtain student tickets at the T. C. A. office. These tickets will enable them to purchase tickets to the Play at half price.

### 3rd—SIGNAL CORPS

Prescott	79	85	67	231
Smith, T. R.	62	81	51	194
Cimorelli	66	63	40	169
Total				594

MacKechnie	52	57	56	165
Anderson	55	51	43	149

### 4th—ORDNANCE

Smith, J. W.	58	73	66	197
Jarosh	68	75	53	196
Segar	63	56	63	182
Total				575

### 5th—COAST ARTILLERY

McLaughlin	68	59	53	180
Heincke	55	75	50	180
Ailberg	43	41	50	134
Total				494

Haeuser	34	47	43	124
Haska	36	36	20	92

### 6th—CHEMICAL WARFARE

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## Course XVI Staff Members Perfect Device To Improve Wind Tunnel

Crimson Teamwork Sends Engineers Down To Defeat

Peterson Counts Twice For Beavers—Wood Scores Three Goals

(Continued from Page One)

After a brief rest the M. I. T. team came back to push over her two scores. With Orbanowski in the penalty box Peterson wove his way through the whole Harvard squad to score the first goal in 3 minutes and 10 seconds after the quarter started. In this quarter it seemed that Penn Hall was all over the place, shooting, guarding, and making himself generally useful. Fahey replaced Orbanowski when the latter had slightly injured his knee. Near the last of the period at 12:42, Peterson again went through the Harvard squad to score another goal. In the same quarter Putnam, Wood, and Saltonstall scored goals for the Crimson team to send the score up to 6-2 in favor of Harvard.

Fast and furious playing characterized the third and final period of the game. Both teams opened up in this quarter to make the game as fast as the pro hockey that is usually seen at the Garden. Letting down a bit on defense and using all their strength on offensive playing, the two squads played furious hockey at alternate ends of the ice. The puck traveled the length of the ice time after time as both teams were putting all their efforts into scoring. Consequently the game became faster and rougher, with great skating showing up in both teams. In spite of the laxity of the guarding, there was only one goal in the entire period, scored by Pell of Harvard at 13:29.

Individual work was the outstanding defeat of the Technology team. The puck would be taken time and again into Harvard territory, only to be lost on account of poor teamwork. The passing of the Crimson squad made their game effective over that of the engineer squad. The work of Captain Ellis and of Barry Wood was outstanding for Harvard.

### Hall and Orbanowski do Excellent Work

For the Institute team, Penn Hall was all over the ice. For he was one man who seemed able to get through the Crimson defense. Hors Orbanowski did some very nice stick work at various points in the game. Jim Fahey and Horace Ford did nice individual work. The scoring and defence of Peterson made him one of the game's stars. Of the two goalies Whiston did the better work. His experience in games last year did him in good stead, and he certainly did stop many goals from counting. Coleman, playing in the second quarter, made several excellent stops.

Captain Hazeltine did the best work of the game in his defensive and offensive work. He used his knack of taking the puck from the opponent and shooting up the ice to convert the puck to his own advantage. He did some very clever blocking.

The lineup and summary of the game is as follows:

M. I. T. Harvard  
Orbanowski, Fahey, rw  
rw, Saltonstall, Cunningham, Pell  
Ford, Regan, lw  
lw, Everett, Martin, Walcott  
Hall, Cochrane, c  
c, Garrison, Wood,  
Putnam, Baldwin  
Hazeltine, Hayes, ld  
ld, Batchelger, Palmer  
Peterson, Steverman, rd  
rd, Cunningham, Crosby  
Whiston, Coleman, g.....g. Ellis, Hale  
Referees: Foley and Sands.

In the present senior class at Harvard there is one prospective bear tamer and one student who considers writing epic poetry as his vocation.

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Work on Model Coaster Near Completion After Three Years' Effort

because it is produced by the drag of the air against the walls of the tunnel and the objects in the tunnel room. The model coaster was designed to sidestep this difficulty by moving the model and not the air. This device consists essentially of a pair of high strength alloy steel wires running the length of the Steam laboratory and a small stream lined car with almost frictionless wheels which slides along them. This car is usually referred to as the "duck" because in the preliminary stages of design it resembled one. Models to be tested are suspended under the car.

### Wire Sagging Troublesome

Although the wires are drawn as tightly as possible, there is still an appreciable sag, some two and a half inches in two hundred feet of span. To eliminate this sag, means have been provided for lowering the lower end of the wires while the duck is in flight so that although the duck is always in contact with the sagged wires, its path thru space is a theoretically straight line to fair precision.

To build up sufficient speed for proper testing a starting catapult is necessary to assist the driving component of gravity, which can be varied by changing the slope of the wires. At the end of its trip there is a device for arresting the coaster to prevent damage.

### Instruments Inside "Duck"

Instruments are provided inside the duck to measure and record the life forces and the turning moment of the models being tested. The two wires are insulated from each other and carry a difference of electrical potential. By suitable mechanism inside, a contact is made between the wires at definite space intervals as the coaster travels down the span. This allows the current to flow thru a recording instrument at the lower end of the span and shows the velocity to excellent precision.

One end of the wires is attached to the north wall of the room up near the ceiling and the other end is hitched to an elevator which may be moved vertically thru a distance of thirty feet. This arrangement makes it possible to change the slope of the wires from about 2 degrees to twelve degrees.

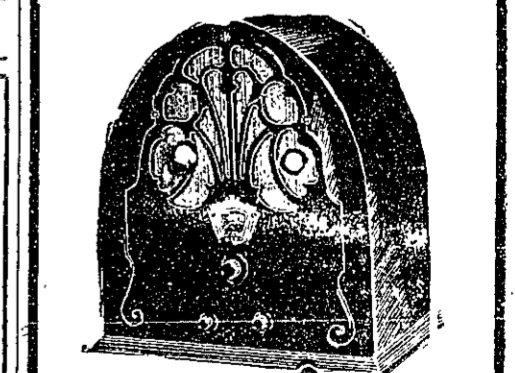
The elevator is so arranged that it carries its own propulsion machinery, which is under the control of an operator who rides with it. This operator faces an instrument which indicates the position of the duck at any time and also the necessary displacement of the elevator from its original position that will keep the duck in its straight line of motion.

A telephone has been installed between the two ends of the apparatus so that the operators can be in constant communication. The construction of the main units has now been completed and the installation of instruments is proceeding. Tests will be started soon and it is hoped they will do much to solve many of the perplexing problems in model testing.

## BOLANOS TO ASSIST COACHING OF BOXING

Juan J. Bolanos '31 was approved as Assistant Coach of the Boxing Team at a meeting of the Executive Committee of the Athletic Association held Monday night. At the same time, the entrance of Technology into the National Intercollegiate Association of Lacrosse was approved.

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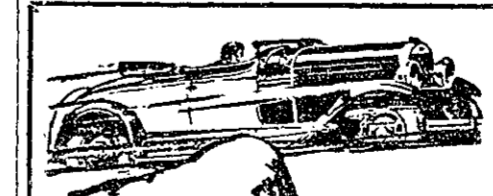
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