

# TECH NEWS



VOL. 8

WORCESTER, MASS., NOVEMBER 28, 1916

NO. 11

## HOLY-CROSS 9—TECH 6

### Tech Ties Score Only to Lose on Daley's Drop Kick from 35-yd. Stripe

In a game where "fight" was the slogan from start to finish Tech was downed by Holy Cross on Alumni Field. Nearly two thousand spectators were held spellbound when Tech opened up its store of reserve and pounded through the Purple line for a touchdown which evened the score, only to have Daley take the game for the Purple with a perfect drop kick from the 35-yard line. The two lucky forward passes in the first period which paved the way for the Holy Cross touchdown proved our undoing. But it was a glorious battle and one of which no Tech man need feel ashamed. It was a hard-fought clean game, in fact the game was the cleanest that has been seen on Alumni Field this year. Both teams showed a clean sportsmanlike spirit throughout even in the tensest moments of play.

The game was very evenly fought, Tech having the edge in the second and third quarters and Holy Cross in the first and fourth. The number of yards gained by straight rushing was almost exactly the same. After those first fateful moments the much vaunted aerial attack of Holy Cross was completely broken up, Tech capturing four of their forward passes and spoiling several more.

Promptly at 2:30 the whistle blew and Tech kicked off. Holy Cross rushed the ball up the field, gaining thirty yards on two forwards, both of which were of the fluke variety. This placed the Purple in a position to score. This they did and in five minutes after the opening of the session the score stood 6-0. Daley failed to kick the goal.

The Tech stands were now howling for a touchdown and the team was playing for everything there was in them. At the beginning of the second period Pete Kalagher broke away on a play through the line and with only Twitchell ahead of him started for the posts. Twitchell attempted a tackle and missed, but Pete lost his balance and before he could get started again was nailed. This put the ball in the enemies' territory and here it remained for the rest of the period, seesawing back and forth with both sides using little but straight football. The play in this quarter boosted Tech stock considerably and the stands were all at fever heat expecting every moment the break which was to even the score.

In the second half a roaring cheer greeted the crimson and gray warriors as they romped onto the field and it was not long before the team responded to this enthusiastic treatment. Shumway and Storrs

(Continued on Page 5)

### Best Rally Ever Held

Enthusiasm of Student Body at Fever Heat

Of all the mass-meetings and football rallies ever held on Tech Hill, that of last Friday night was the best thing which even the oldest inhabitants can remember. At four o'clock, with the authorization of President Hollis, all exercises were suspended. Alumni Field was then the goal and more than four hundred students were in the stands to view the last practice before the all-important game and to cheer the men at their work. Every man was cheered as he went on to the field, and a lively round of cheers went up for Coach Blake and everybody connected with the team.



After the demonstration on the field the men formed in columns four abreast and marched around the track and up to the gymnasium. Here was the big celebration—a real standing-room-only mass-meeting. President Hollis was the first speaker and in his talk he recalled incidents of football history which he remembered from his experiences at Annapolis and Harvard.

Professor Carpenter was next called on and in the course of his talk he paid a splendid compliment to Coach Blake and his squad of warriors. It was again his stunt to "pass out the silver-ware" as he put it, this time presenting loving cups to L. W. Vinal, '18, as the winner of the Fall Tennis Tournament and to R. L. Tomblen, the runner-up.

The ovation which greeted Coach Blake as he mounted the stage was a revelation both in volume and enthusiasm. When finally he was given an opportunity to speak, he hit straight from the shoulder with some trite remarks which struck home every time. His main theme was in the fact, that the team would win if the men in the stands worked as hard as the men on the field did, citing the Rensselaer game as an example, when after the R. P. I. men had scored a touchdown the men in the stands got busy and as a result, the team went to work in earnest.

With all due respect for "Billy" Sunday, "Billie" Burke has something on

(Continued on Page 5)

## Freshman Financial Campaign

Totals Well Over \$200

On Wednesday, Thursday and Friday of last week the Freshman Class was canvassed for Financial Subscriptions to the Y. M. C. A. The totals reported Friday evening indicated that \$201.50 had been pledged by 107 men. Final reports had not been received from several collectors. These will probably raise the total to \$250.

The campaign was under the direction of Milton W. Garland, '19, Assistant Treasurer of the Y. M. C. A. The collectors were: Div. A, E. Babbitt and H. C. Brooks; Div. B, P. J. Harriman and H. W. Jackson; Div. C, H. E. Stevens and F. E. Remers; Div. D, H. E. Drake, T. B. Card, and W. H. Brown; Div. E, A. M. Holton and M. G. Bowen; Div. F, A. N. Murray, C. H. Needham and S. N. McCaslin; Div. G, R. F. Johnson and N. P. Marks; Div. G, G. F. Perry and G. V. Hough.

### MR. HAMMER TO SPEAK December Meeting A. I. E. E.

It was announced at the last meeting of the W. P. I. Branch of the A. I. E. E. that, at the December meeting of the society, Mr. William J. Hammer of New York will speak on "The Selenium Cell." Under this subject he will take up: the transmission of pictures by wire; telephoning over a beam of light; controlling torpedoes and submarines by aerial; controlling electric motors and railroad signals by wireless.

Mr. Hammer is a consulting engineer of wide reputation. For many years he was one of Mr. Edison's chief assistants, aiding him in his experiments on the telephone, phonograph, electric railway, ore separating and other inventions, but devoting his attention particularly to the incandescent lamp. He was later appointed as Mr. Edison's personal representative at the Paris Exposition of 1889. In late years he has been chairman of the jury on Electrical affairs at various exhibitions, and has also been one of the editors of the official book of the Aero Club of America.

### WIRELESS MEETING New Antennae to be Erected

The second of the series of lectures by Mr. C. D. Haigis of the Physics Department was delivered to a goodly number of interested men, last Wednesday evening in the E. E. Lecture Room. Mr. Haigis continued from where he left off in the first lecture, and took up in detail the theory of the sending apparatus. Mr. Haigis is presenting the lectures in such a manner that anyone, whether already having a knowledge of the workings of wireless or not, finds them very interesting.

(Continued on Page 5)

## Taft Here Today

Five O'Clock in the Gymnasium

All arrangements have been completed for the meeting at which Ex-President Taft will speak this afternoon at five. The five hundred new chairs are all ready in the gym and there will be room for many more to stand both on the floor and in the gallery. This is the first big meeting in the new gymnasium.

This evening Mr. Taft will speak in Mechanics Hall at the meeting of "The League to Enforce Peace." Students who wish to hear him should give their names to Miss Frost immediately.

### MR. LIBBY ON "SCRAP PILES" Second Lecture of E. E. Series

Last Thursday Mr. Malcolm Libby gave an interesting address in the E. E. lecture room, his subject being "Scrap Piles." He showed how some of the efforts of great engineers result in large wastes of time, material and money. He considered the white way lighting project which was put through in Edmonton, Alberta, where there is little use for such elaborate street lighting because of the proximity to the midnight sun regions. It was simply a case of an engineering idea being forced upon the people.

He then went on to show how easy it is for engineers to miss their mark by overlooking non-technical conditions such as "cut-throat" competition. He advised young engineers to get experience in some locality like California where there are great activities in engineering before he ventures into undeveloped countries, to observe the exceptions in engineering and study the projects on the scrap heaps as the historian studies the ruins of Pompeii and other noted cities of the past.

Mr. Libby is at the present time making a study of economic business conditions in New England.

### NO NEWS NEXT WEEK

There will be no issue of the NEWS next week, because of the Thanksgiving recess. The next issue will be that of December 11. There will be no staff meeting tonight, the next meeting coming Tuesday, December 5, at 5 p. m. in Room 20, Boynton Hall. At this time there will also be a business meeting of the Association. Beginning with that issue the annual competition for advancement on the staff will be inaugurated.

### CALENDAR

TUESDAY—5 p. m. Ex-President Taft speaks to the student body in the Gymnasium.

WEDNESDAY TO MONDAY—Thanksgiving Recess.

COMING EVENTS—Rifle Match with Clark December 4.

# TECH NEWS

Published every Tuesday of the School Year by

The Tech News Association of Worcester Polytechnic Institute

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Subscription per year \$2.00  
Single Copies .07

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The TECH NEWS welcomes communications but does not hold itself responsible for the opinions therein expressed.

All material should be in before Thursday noon at the latest in order to have it appear in the week's issue.

Entered as second-class matter, September 21, 1910, at the postoffice at Worcester, Mass., under the Act of March 3d, 1879.

All communications should be addressed to TECH NEWS, Worcester Polytechnic Institute

## THE DAVIS PRESS

NOVEMBER 28, 1916

## BOOST TECH

## Editorials

That Friday night mass-meeting was a real football rally; and everyone who attended could not help but feel the growing attitude of never-tiring support for our teams. But a mass-meeting of that kind does more than merely arouse enthusiasm for a particular game; it breeds in the men a closer feeling of that broad, friendly relationship which should be the binding tie in the whole student body.

## HOLY CROSS 9—TECH 6

The score of last Saturday's game is one of which every Tech man may justly feel proud. The two teams proved exceed-

ingly well matched despite the early predictions of the Purple's superiority. The team put up the best fight against our ancient rivals that has been seen in many a long year and deserve all the credit which can be given them. To Coach Blake the NEWS extends its warmest praise and heartiest congratulations and assures him of the place which he has won in the heart of the student body.

The student body certainly did itself proud in its support of the team; it was a warm reception that met the warriors from Holy Cross and one which they will not be likely to forget. Let us resolve right now that in every game from now on, the team shall feel the thrill which comes from the knowledge that the men in the stands are doing their best to support those actually on the field.

## FOOTBALL BANQUET

If ever a team deserved a token of appreciation the 1916 team is the one. How about a banquet to mark the end of the present season, at which plans and prospects for next year's team can be made? The suggestion is made that the Tech Council consider the project and if deemed advisable make plans for such a banquet to honor our gridiron warriors.

It hardly seems possible that the first semester is more than half over. For those of us who have not done all that we should so far, remember—the warning bell for the last lap has sounded. Do not be discouraged if the results so far have been below par, there is still plenty of time. Brace up and go to it, and when the final results are out you will still be "among those present."

## INDUSTRIAL SERVICE

The activities of the department of Industrial Service of the Y. M. C. A. commenced last Tuesday evening with a meeting in the Association rooms. After having supper at the Tech banquet hall, the group was addressed by Secretary Pierrel, who spoke of the great need of this type of work, and the unusual field for service which presented itself here in Worcester. The remainder of the time was taken up in giving the men some of the essential points in teaching classes of foreign speaking men.

There will be opportunities during the winter for many men to take up this teaching on one or two evenings each week. Any man on the Hill who is interested in this type of service should report to Secretary Pierrel, at once.

## MANDOLIN CLUB CONCERT

Upon learning of the Mandolin Club's recent, and record-breaking trip to Princeton, the town of Paxton empowered its local improvement society to secure a concert.

Accordingly a crew of seven, armed with their instruments of torture, left Worcester for the wilds last Thursday evening. The trip was an uneventful one until Tatnuck Square was reached. Here an auto truck was waiting to take the men into Paxton. The gang was packed into this with several more unfortunates and after a wild ride in a soaking rain they arrived at their destination.

Just as the speaker of the evening was to announce the appearance of the musi-

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arians (?) all of the lights went out. This caused a good deal of commotion, but a few old kerosene lamps were found and the meeting proceeded. After a short concert a dance was given by the Society. This gave considerable amusement and it also showed that even though the swains of Paxton cannot dance handsome they certainly can dance strong.

Another auto ride, a trolley ride and a feed at the Lincoln Lunch and the trip was put down with the "Has-beens."

## WIRELESS MEETING

(Continued from Page 1)

In the next lecture the theory of the receiving apparatus will be taken up, then Mr. Haigis will continue with descriptions of modern apparatus.

It was announced at the meeting that plans are rapidly developing for the installation of a large antennae which will greatly increase the efficiency of the present wireless set. The E. E. Dept. is to have charge of the installation when the design is selected.

## MR. H. W. OSGOOD TO SPEAK

The third speaker in the series of lectures which the Electrical department is holding will be Mr. H. W. Osgood, '05. Mr. Osgood is an engineer with the Stone & Webster Corp., the largest engineering organization in America. He will choose as his subject "The Organization and Work of the Stone & Webster Corporation." The calibre of the speakers of these lectures should attract a large audience from Tech men.

## An Invitation

Members of the Faculty and of the Student Body are cordially invited to visit the W. P. I. Typewriter Exchange in order that they may become acquainted with this new department established for their convenience.

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**HOLY CROSS 9—TECH 6**  
*(Continued from Page 1)*

broke through and blocked a punt on Holy Cross' 25-yard stripe. This was the break for which Tech had waited. Two forward passes were tried to no avail and then line plunges were resorted to. A first down resulted. Three more line plunges brought the ball to the 5-yard mark with first down and goal to go. A chance to even the score and possibly win—the stands went wild. Arnold and Kalagher gained three yards in two plunges and then finally the ball was sent over. A score on Holy Cross whose goal line had not felt the tread of Tech men's cleats for so many weary years. Pandemonium reigned. A sigh went up when Kalagher failed at the goal, but still the score was tied. The play from this point on see-sawed back and forth but was mainly in Tech's territory, Holy Cross finally working the ball within striking distance and then Daley dropped back for a try at a goal from the field. The



ball was snapped back perfectly and Daley dropped it squarely over the bar and the score was 9 to 6. Holy Cross next attempted some open play but Carlson on his own 15-yard stripe ran it back to mid-field. More straight football followed and then Tech was forced to punt. The ball was placed in play well into Holy Cross territory and they were soon forced to kick. The final whistle blew with the crimson and gray warriors rushing the ball back into the Purple's territory.

It was a great battle. To single out individual players is a difficult task. The entire team played the best game of the season. The old life and fight was in every man, and great credit is due the squad.

Shumway, playing his last game, was much in evidence, crashing through and smearing many plays and opening holes on the offensive. Duffy at end culminated his career with the best playing he has ever done and be it to his credit that few gains were made around his wing.

Arnold in the backfield was a wizard at picking his openings, gaining his four or five yards on every plunge. Pete Kalagher on the defensive was the bulwark against the Purple's aerial attack and in straight plunges doing his bit.

It is all over, the score 9 to 6, and the lineup:

- |                   |              |
|-------------------|--------------|
| <b>HOLY CROSS</b> | <b>TECH</b>  |
| Connors, le       | re, Duffy    |
| Travis, lt        | rt, Shumway  |
| Cook, lg          | rg, Storrs   |
| Wallingford, c    | e, Sargent   |
| W. Daley, rg      | lg, Mossberg |
| Povab, rt         | lt, Banan    |
| Todarelli, re     | le Horner    |
| Twitchell, qb     | qb, Morse    |
| T. Daley, lhb     | rhb, Needham |
| Walsh, rfb        | lhb, Arnold  |
| Maloney, fb       | fb, Kalagher |

Score: Holy Cross, 9. Worcester Tech, 6; substitutions: Holy Cross—Mitchell for Walsh; Worcester Tech—Lemay for Mossberg, Briggs for Needham, Sibley for Banan, Needham for Briggs, Tomasi for Duffy, Carlson for Arnold, McCaffrey for Tomasi, Weitzen for Morse. Touch-downs, Twitchell, Arnold; goal from field, W. Daley; goals missed, W. Daley, Kalagher. Referee, Joseph B. Pendleton. Bowdoin; umpire, A. G. Johnson, Springfield; head linesman, Guerdon Messer, Springfield. Time, 15-minute periods.

**CARNIVAL PLANS DEVELOPED**  
Many Sketches Under Way

The Tech Carnival which will be the safety valve this year for hilarity under ten atmospheres pressure, will "blow off" December twentieth, backed up by enough energy and talent to make the event memorable. Fraternity acts are already under way, and there have been entries handed the judges by other groups.

An erroneous report has gained circulation that the affair is primarily a fraternity production, but such is not the case. The executive committee, headed by C. A. Thrasher, '17, represents every student activity on the Hill, and the members of this committee will make an effort to have each organization contribute some feature to the Carnival. In order to facilitate the grouping of non-fraternity men, the campus has been divided into half a dozen districts, from each of which a committee will be selected to bring talent into the foreground.

This is the time for men who have vaudeville and circus aspirations to make themselves known to the committee, and eventually to the whole school at the big fete.

The other members of the committee in charge are as follows: A. C. Bird, T. R. Stenberg, H. F. Banan, F. E. Wood, G. L. White, G. D. Chandler, R. C. Hanckel, C. W. Kennedy, R. H. Taylor, Dr. Farrington Daniels, G. K. Mok, Mr. Pierrel, M. H. Flint.

**BEST RALLY EVER HELD**  
*(Continued from Page 1)*

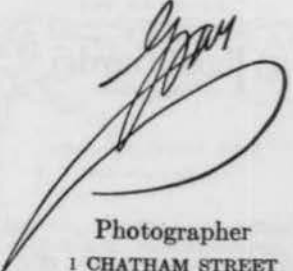
them all for virile, smashing, enthusiasm-raising talking, and his appeal to the men for support caused an outbreak of cheering which nearly wrecked the skylights in the roof.

It had been announced that no football men would be at the meeting but Capt. Bill Duffy came up from the locker room just in time to be called forward to say a word for the team.

The two new songs by Putnam '17, were rehearsed and more cheers practiced and the meeting broke up with the Alma Mater.

It was a great rally and everyone felt that the old fighting spirit was in the crowd as well as in the team.

Probably taking a hint from a certain story of the same idea, a group of students at Oberlin has formed a club, the qualifying condition being that the member's head be crowned with a halo of crimson locks. The club is to be known as the Order of the Golden Fleece.



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**SENIORS WIN RIFLE MATCH**  
Close Contests the Rule

The first rifle match of the year between the Seniors and the Juniors ended in a tie. The shootoff of the tie last Thursday gave the Seniors the victory by a score of 452 to 441. The Freshman-Sophomore contest also was completed Thursday and the first-year men surprised the Sophomores by winning the match by 437 to 430. I. Smith of the Freshmen was high man, scoring 99 out of a possible 100. He will be a valuable addition to the varsity squad in the coming intercollegiate match.

The scores follow:

Seniors			
	Standing	Prone	Total
Bredenberg	43	50	93
Janvrin	45	47	92
Sessions	42	50	92
Hollerith	42	49	91
Darling	35	49	84
			452
Juniors			
Lewis	43	48	91
Stewart	43	48	91
Hubbard	43	48	91
Leventhal	40	49	89
Richardson	35	48	79
			441
Freshmen			
I. Smith	49	50	99
Holton	45	46	91
Abbot	39	47	86
Harriman	38	48	86
Hunt	30	45	75
			437
Sophomores			
Crane	46	49	95
Livermore	43	49	92
Reid	38	47	85
Brooks	36	46	82
Amsden	29	47	76
			430

**1920 WINS AGAINST 1919**  
Trim Sophs in Soccer 2-0

At last the Freshmen have won something. The result of the soccer game last Saturday afternoon was a 2-0 victory for them over their Sophomore rivals. The game was played in two twenty-minute periods before the Holy Cross game.

Neither side showed much brilliance in their playing, although the Freshmen had the advantage in their forward line. Captain Roraback's men lacked practice, and Captain Smith's team was able to get two goals by their opponent's defence.

The referee was Jones of the Academy; his snappy work was evidence of a thorough knowledge of the game.

**JUNIOR PROM COMMITTEE**

President Knowlton of the Junior Class has appointed the following committee to make all arrangements for the annual Junior Prom: M. W. Heinritz, H. G. Sargent, F. N. Luce, F. H. Brackett, F. W. Hubbard, O. H. Forsdale, C. A. Moore. The committee has not as yet elected their chairman. The Prom will probably be held the week of the Tech Show which usually comes just before the Easter Holidays.

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**SIDE LIGHTS ON THE GAME**

The parade from the steps of the E. E. Building headed by the band was an impressive sight. Fully 400 men lined up to convoy the "H. C. Goat" and Tech sign onto the field. Through Park Ave. to the main gates they marched, then around the track, stopping only long enough to give a cheer before the Holy Cross section.

That goat effigy was the cause of a near riot between the halves when the Holy Cross mob surged across the field. But they were repulsed by a wave of Tech men after a series of good-natured cross-bucks and line drives.

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After the game several impromptu boxing matches were staged in the attack on the big Tech sign which was carried in the parade.

The officials did some splendid work in this game—no decisions were questioned in the least.

Penalties were few indeed considering the intensity of feeling, and those inflicted were for minor infractions of the rules, caused mainly by the over-eagerness of the players.

Tech's cheering section completely drowned out the "Hoiahs" from across the field. Cheer-leader Bill Hall and his assistants Titecomb and Drake did some fine work. The new songs went well with the Worcester Brass Band accompaniment.

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**TECH CALENDAR**  
To go on Sale December 12th

Christmas will soon be here and with it comes the Tech Calendar. The committee in charge has put work and energy enough into the Calendar to make this year's production the best that has as yet been put out and from all indications it will be all of that. Every organization both athletic and social will be represented and will be arranged according to the season in which they appear in school life. Further information will be printed later.

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