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FOOTBALL NUMBER.

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All students are members.
The financial affairs of this paper have about arrived at a crisis; the scarcity of subscribers among the lower classes and the number of overdue subscriptions render it a difficult matter to make ends meet. In addition to this, both the Business Manager and his assistant have resigned, thus involving matters still further.

At this point, the Assistant Editor redesigns his position as such to assume the management of the business department of the paper, and will endeavor to place the financial affairs in a more satisfactory condition. This can be done only by the cooperation of those for whom the paper is published, viz.: the students and graduates.

We believe that this Institute can support the paper in a much more satisfactory manner than it has in the past, and under the new management we look for brighter days in the future. Let every student who does not now subscribe, arrange to do so as soon as possible. Above all, let those now behind with their subscription attend to the matter at once, thus saving the time and patience of the Business Manager and allowing matters in connection with the business department to run more smoothly.

To those of the Alumni who have recently not been receiving their papers promptly, the Business Manager wishes to state that such delinquencies will not occur again. The mailing lists are to be thoroughly overhauled and all mistakes rectified.

The football season is over, and in this number we give a review of the season’s games, and a history of the men who have worked for the honor of the Institute.

Nearly all the games scheduled were with college teams, and, although we are greatly handicapped in the matter of time for practice, we have made a very creditable showing. Wherever our men have played, their work has called forth favorable comment, and it is certain that future managers will have no difficulty in filling their dates.

The men composing the eleven have worked hard and faithfully, and are certainly deserving of more enthusiastic support than the College grants them. And here, we wish again to call the attention of the Institute to
the self-sacrificing labor of the second eleven. There are certain men who have played on this eleven solely to aid the first team, with no hope of reward, and who have been even more faithful than many of their fortunate opponents. These men are deserving of just as much credit as members of the team, for without them nothing could be accomplished. Would that there were more of them.

And, now, we must express the gratitude of the team, and of the Institute as a whole, to the Athletic Committee of the Faculty for the interest they have shown in our success. The privileges they granted were the direct means of giving the team opportunity to win a game from a college of exactly our own rank.

And, now, a word as to next year. The team should be even better than the one of this year. But two or three men leave and their places can be filled from the entering class. The men who remain in the Institute are much better informed as regards the details and fine points of their positions than they have ever been before. This fact will enable next year's captain to start in the season more successfully than ever.

On every hand the question is being asked, "Is the Tech going to give a show this winter?" Last year the Faculty were opposed to the plan, as they considered that it took too much time from studies. This year, as we have said before, we understand no objection will be offered, and we fail to see why a good show could not be presented. The majority of the students are enthusiastic over the scheme, and with a little work a good production might be given.

Certainly we could give a show with as much merit as that presented at the Worcester Theatre last week, which did not come up to the Burlesque of two years ago.

Now, let us organize and take steps toward something of this sort.

It is expected that the matter will be brought up at the next meeting of the Athletic Association; let everybody come and give his ideas on the subject. A success means the doing away with the subscription paper next spring.

In a former issue we intimated that we thought the cross-country runs had better be dispensed with, as they would seriously interfere with football practice. The season has closed somewhat early, however, and if the weather continues favorable there is no reason why they should not take place in the near future. There is no better method for bringing out new men than this, and we hope that the Athletic Association will immediately take the necessary steps toward running them off.

DR. MENDENHALL'S TRIP.

The students will be glad to hear of the honors that President Mendenhall received on his recent trip to the West.

He first went to New Haven, Connecticut, to attend the meetings of the National Academy of Sciences. Before these meetings he read two very valuable papers on electrical units and on gravity. From New Haven he went directly to the West, making his first stop at Salem, Ohio, where he delivered an address. His next stopping place was Dayton, Ohio, where he addressed over 1,500 teachers, at the convention of the Central Ohio Teachers' Association. This association is the largest of its kind in the country, with the exception of the National Association.

The rest of his trip was purely for pleasure. On his return, the Doctor was accompanied by his wife, whose presence in Worcester will be warmly welcomed by all.

OUTLINE OF A NEW COURSE.

To the Editor of the W P I:—

Dear Sir,—The statement made in a previous issue, that President Mendenhall was always ready to welcome suggestions from the Alumni, together with an ever-present desire to be of service to the Institute and its representative paper, has encouraged me to venture to ad-
vance what perhaps may be called a rudimentary outline of a course which I trust would redound to the credit of the Tech, and be of lasting benefit to the community in general. I am well aware of my great inexperience, but I trust that this communication may be the means of stirring up a profitable discussion by others well qualified to speak upon the question, and lead to a fruitful result.

It is a fact beyond dispute, we may believe, that the people of the Eastern United States have awakened to the value of good roads, and the probability is that the next ten years will see wonderful progress in highway building. Perhaps the problem comes with more force to those whose experience has been in small towns, more or less limited in means, but in some measure it affects every citizen of America, and particularly of New England.

Would it not, therefore, in light of this probability, be both feasible and profitable for the Worcester Polytechnic Institute to establish, in connection with its Civil Engineering Department, a special course in road building, having as one especial feature a great development of the practical side of the matter—a side upon which Worcester Tech has already taken advanced ground? Would it be impossible to arrange with the city of Worcester so that men in this course should take part in actual construction of city highways, even as now the mechanical engineer works in the shop? It seems at least probable that some such arrangement might be made, if not with the city, perhaps with the State.

As to what else the course should contain, I do not feel competent to suggest. Only let the curriculum be such that those who follow it should be well fitted to enter into the work which they have chosen. The office of Superintendent of Highways will be one of vast importance in a town or city in Massachusetts for years to come, and why should not Worcester Tech have the honor of furnishing well qualified candidates for such offices?

Perhaps it is visionary, but some time laws will be enacted by the solons of Massachusetts making it possible for small towns to combine and elect a common Superintendent of Roads, even as now of Schools. And perhaps the law will be of such nature that the incumbent shall hold office during good behavior, and not be dependent on politics. Legislatures occasionally pass wise laws.

Hoping that these few desultory jottings will result in a systematic and permanent course,

I remain, sincerely yours,

NORMAN M. PAUL, '93.
Fairhaven, Mass., Nov. 11, 1894.

---

The Institute football team played its last game of the season at the Oval last Saturday. The weather was very unfavorable and undoubtedly kept large numbers away. The game was one well worth seeing.

At three o'clock, both teams took the field, Yale choosing the north goal. The superior weight of the New Haven men was apparent to everyone. McCrea and Hickok, both of whom have played on Yale 'Varsity, helped to strengthen a strong line. On Allen's kick-off, Betts carried the ball fifteen yards before being downed. The teams then lined-up as follows:

**Yale**

- Hall: 1. end r.
- Whitcomb: 1. tackle r.
- Morris: 1. guard r.
- McCrea: centre.
- Spryer: r. guard l.
- Hickok: r. tackle l.
- Bement: r. end l.
- Ely (Capt.): quarter (Capt.)
- Chauncey: 1. half-back r.
- Gerard: r. half-back l.
- Betts: full-back

Yale fumbled, but recovered the ball, yet was unable to gain. On the punt, Morse brought the ball back fifteen yards. Hitchcock gains ten yards, ten yards for off-side play are given, Morse goes through Whitcomb for five yards, Allen makes a pretty run around the end. Hitchcock and Allen both buck the line and Allen makes a touch-down after six minutes of play. Allen fails in his try at goal.

Tech, 4; Yale, 0.

Yale kicks off and downs Warren in his tracks. Worcester makes a number of short gains, but is held for four downs. Yale is immediately held and Davis goes through their line for seven yards. But now Yale holds for four downs. Chauncey and Gerard run around the ends for ten and fifteen yard gains. But Brigham and Leland tackle well, and Yale is forced to give up the ball. The Allen-Harris criss-cross nets fifteen yards. Hitchcock fumbles because of Yale's off-side play and it is Yale's ball. Harris's good work forces Yale to punt. Morse's poor judgment in attempting to catch the punt gives Yale the ball and a touch-down. Betts fails to kick goal.

Tech, 4; Yale, 4.

On the kick-off, Yale forms a fine interference and makes twenty yards. Short gains by Hickok, Gerard and Chauncey place the ball on
Tech's twenty-yard line. Holding by Gerard gives Worcester the ball. On the signal for a punt, Brigham let his man through and the kick was spoiled, thus allowing Yale to score her second touch-down just one minute before time was called.

Tech, 4; Yale, 10.

Yale's backs now run around the ends at will. Ten yards are given for off-side play. Hitchcock's fine tackling prevented an increase in the score. Time was called with the ball on Tech's fifteen-yard line.

The second half opens with Yale's kickoff. Morse fumbles, but falls on the ball. Worcester, then Yale, loses the ball on downs. Harris makes a fifteen-yard end run. Allen makes several five-yard gains, but Yale holds. Betts makes a pretty gain through left tackle. Here Brigham prevented a long run by pushing Channeley outside. Cunningham's poor judgment allows another long gain. But Tech braces and gets the ball. Worcester's backs make short gains through the line. On the third down, Warren sends Davis against the line, but no hole was opened. Hitchcock downs Betts prettily on the twenty-yard line. Off-side play makes it the ten-yard line. Time is called with the ball on Tech's three-yard line.

After starting out so well, it seems strange that the score resulted as it did. Part of this was due to Yale's superior weight and training, while Morse was directly responsible for one touch-down and Brigham indirectly for the other. Leland and Cunningham were not up to their usual game. Riley handled McCrea remarkably well. Booth played a very strong game, opening good holes through Hickok and doing good defensive work. The work of Hitchcock, Harris, Booth and Brigham was a credit to the Tech team. The open end playing of Yale in the last half served to make the game very interesting to the spectators.

The players were called together in the dressing-room, after the game, to elect a next year's captain. The eleven chose Francis H. Brigham for the captaincy for '95.

**REVIEW OF FOOTBALL.**

The football season closed with the defeat of the team by the Yale Freshman at the Oval last Saturday.

Let us make a review of the past season, and see what has been done.

On the whole it has been the most successful season we have ever had. We have played with college teams (with one or two exceptions), and have, in spite of the fact, that our team was remarkably light, being outweighed by every team which it has played, won half the games; and, in actual number of points made, we lead our opponents by a good margin. Add to this the fact, that the season has been a success financially, and we have a record with which we can well be satisfied.

Our new President has shown a hearty interest in the team, which is appreciated by every member of the Institute.

We hired two coaches to attend to the team during the season. Mr. C. B. Earle of Harvard was the first, he having charge of the team for the first three weeks of the season, until his studies compelled him to retire. Mr. William Langlois, substitute end on the University of Pennsylvania last year, then took charge, and continued with the team until the shake-up at the time of Capt. Ware's resignation.

Since that time the team has been very efficiently coached by Mr. A. H. Durand, '97, who, while debarred from playing by the Faculty rule regarding conditions, has rendered great service to the team without any reward for his services other than the satisfaction of seeing the team play good football.

The thanks of every man interested in the team are due him.

The coaching of Mr. Langlois also helped the team greatly, the "Woodruff interference," which he introduced, proved to be productive of long gains.

Mr. Earle's work in preliminary practice also did the team a world of good.

Either by not returning to school or by a rule of the Faculty, we had lost Boyden the centre, "Pa" Brooks the old reliable right guard, Proctor at left tackle, Durand at tackle.

On first sight then, we had but one guard and two ends as a nucleus for a rush-line, but there was plenty of material for backs.

The first thing noticed was the absence of "beefy" material for the team, and so it was seen, that our only hope of making any kind of a showing, was to make up in activity what we lacked in weight.

With the opening of college came some good men among the entering class, and practice was driven. But the great disadvantage at which the team labored throughout the season became apparent at once, the lack of time for practice. The men could not get out on the field until after 5 o'clock and as the season wore on this evil became greater.

By hard work the team gradually improved, and on Saturday, Sept. 22, the first game was played at the Oval with the strong Worcester Academy team.

Tech lined up with Ware and Harris ends,
Leland and Smith tackles, Killam and Brigham guards, Riley centre, Warren quarter, Allen and Cunningham halves, and Nelson full-back. Tech played a fine game in the first half and rolled up 14 points and blanked the Academy. In the second half things were different, and the Academy, with the aid of their coach, who essayed to referee, scored 12 points. Allen's long runs around the end with beautiful interference, were the best features of Tech's play. Nelson's line-bucking was most effective.

The second game was played at Amherst with the Amherst 'Varsity. Tech, of course, did not expect to win, but Amherst ran up a somewhat larger score than was expected, due to their heavy weight. Score,—Amherst, 28; Tech, 0.

The next game was at Boston, on the following Saturday, with M. I. T. Tech played her best game of the season so far, and was only beaten by a single touchdown and goal to nothing. Had Cunningham not fumbled the ball on an attempted punt, neither side would have scored.

The next game was at the Oval with the Cambridge Y. M. C. A., a team made up of college players residing in Cambridge, mostly Harvard men. Several of the Tech team were laid up and "Brig" did not play, but Tech succeeded in winning by a score of 16 to 10. This game showed retrogression.

The next Saturday, Oct. 21, we met the Amherst "Aggies," our old-time competitors, at the Oval, and by good playing by the entire team succeeded in piling up 44 points and shutting out our opponents. This was the highest score ever run up by Tech against a college team of equal weight.

But right here the Faculty took a hand by taking Capt. Ware off the team because he was getting behind in his studies. The Faculty acted fairly, however, allowing him to play in the "Aggie" game. Mr. A. H. Warren, the quarter-back, was elected captain, and practice was driven for the Trinity game the following Saturday.

Trinity, at Hartford, was the next game, and after a desperate struggle we were defeated 4 to 0. In the first half time was called with the ball in Tech's possession on Trinity's 10-ycd. line and in the second half, a half minute more would have won the game, as time was called with Tech's ball on Trinity's 3-ycd. line. Such a combination of hard luck was difficult to beat.

The team played the next Saturday at Troy, defeating Rensselaer Polytechnic 4 to 0 in a hard game. This game brought into prominence, Hitchcock, a freshman half-back who played in Allen's place, owing to the latter's injuries. He played a fine game. Durand, also, played in place of Booth at tackle, by special permission of the Faculty, as Booth had been injured in practice.

About this time the High School, who had done a good deal of blowing about being able to beat us, made overtures for a game, and in order to satisfy them Manager Temple cancelled his game with the Yale Freshmen for the following Saturday and arranged a game with the High School. The High School captain refused to play however if "Brig" played, so the game fell through, thus making a complete "crawl" for the High School, and leaving us without a game for Saturday. Fortunately, however, Manager Temple was able to secure the Yale Freshmen again, and the game wound up the season. The snow had prevented the team from practising and had caused the cancelling of the Tufts game on Nov. 10, so the team was at a disadvantage. The Yale men outweighed us at least 15 lbs. per man, but they only beat us by a narrow margin. Superior physical training was a large factor in the game. A man let his opponent through at a critical point and a kick was spoiled, thus enabling Yale to score a second touchdown. Final score,—Yale '98, 10; Tech, 4.

Directly after the game, Mr. F. H. Brigham, our big left guard, was chosen captain for next year. "Brig" is very popular with the team, and the outlook for next season is bright, as but few of the team graduate this year.

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THE MEN WHO PLAY FOOTBALL.

Henry D. Temple was elected manager of the team early in the spring, and at once began arrangements for the fall work. Before the Institute opened in September he had the schedule of games complete, and did all in his power to help the team along. He procured games with good teams and has brought the team through successfully from a financial standpoint. Manager Temple has supplied all needs of the men, so far as it has been possible for him to do, and they should remember that a manager of a W. P. I. team always has hard work to make both ends meet. Temple always looks after the comfort of his men on their out-of-town trips, and his management of the team during their trip to Troy deserves especial mention.

Alba Houghton Warren, '95, captain, a resident of Worcester, is 20 years old, 5 ft. 6¾ in. high, and weighs only 122 lbs. He is an all-around athlete, having played three years on the 'Varsity baseball team and also played on the polo team. "Spud" played football five years at the Worcester High School, and quarter-back on the Tech team last year. He has also played
quarter in every game this year, and was elected captain when Ware resigned. He had the full confidence of his men and conducted the team in a very able manner. Warren knows more of the game than any other man in college. He is very quick and active, gets into all the plays, but, on account of his light weight, sometimes fails to stop centre plays. His passing of the ball is his strongest point. He rarely fumbled, and the backs were always sure of receiving the ball in the same place. The spheroid often fell into his hands on the kick-off, and he invariably made good gains, the opponents, it seemed, being unable to find him at first on account of his great smallness, and when they did find him they found him slippery. His tackling is always low and sure. Warren has always worked hard in the interest of athletics, especially football, and surely deserved the captaincy. He ran the team with excellent judgment, was impartial to all, and to him is much credit due for the success of the team. He is one of the steadiest of steady players, and his position on the team will be a hard one to fill next year.

M. Clifford Allen, '94, of Yarmouth, Nova Scotia, has played left half in all the games this year except the one with R. P. I., at that time being laid up with injuries received in the previous game. He is 21 years old, stands 5 ft. 8½ in., and weighs 148 lbs. He is a veteran at the game, this being the fourth year he has played on the Tech team, of which he was captain in '92. Last season and the first part of this, his playing was not up to what he had shown in previous years, but his work rapidly improved, and before the end of the year he was playing a strong, quick game. The first of the season he did not get into the defensive work and was faulty at following his blockers, but later he retrieved himself by doing good work in both. Allen has done the punting and kicking for the team. Although having almost no practice he has done fairly well in this line, his punting in the Amherst Aggie game being especially good. He has bucked the line for large gains, and has carried the pigskin over the goal line more times this year than all the rest of the men together. His offensive work has been throughout steadier and stronger than his defensive play.

Chas. Arthur Booth is a Freshman, and comes from Southbridge. He is the youngest man on the team, being only 17 years old, weighs 160 lbs., and is 5 ft. 11 in. tall. He is another one who first played football at Worcester Academy, being substitute on their team last year. He was tried on the Varsity the first day out, and has played left tackle in five of the games this year. He won a name for himself early in the season, and bids fair to be a star tackle next year. He is quick to pick up points on his position, and is a good ground gainer when given the ball. He breaks through the line well, and tackles low and hard. He has a tendency, however, to go into the line too high, and is occasionally slow at getting his signal. He keeps his man out of the plays well, and made a good showing against Hickok in the last game. He has advanced the ball over a good deal of territory during the year, and has done excellent work at tackling. Booth's great point is that he is absolutely certain.

Francis Henry Brigham, '96, is 21 years old and comes from Barre. He is 6 feet 2½ inches tall and weighs 210 pounds. This is his third year at left guard on the Tech Varsity. He has played in all but two of the games this year, and, though not having regular practice with the team, has played his position well, and has allowed very few gains to be made through him. He seldom lets a man break through, and surprised every one by letting his man get through and spoil a punt in the Yale Freshmen game. His chief fault is in playing and tackling too high. "Big Brig" is very speedy and follows the ball well. Although he tackles too high he rarely misses his man and always throws him hard. He is as strong as his size would indicate, and is generally able to make good holes in the opposing line. Brigham has been an important factor in the hammer and shot events in the Intercollegiate games. He has been elected to captain the team next year. Brigham is very popular with the men, and they will follow his leadership enthusiastically. Aided by good coaching, next year's team should surpass all its predecessors, and "Brig" should take a high position as a guard.

William Hilton Cunningham, of Auburn, is a Junior, and an old hand at the game, having played end two years on the Worcester High School eleven, and half-back on the W. P. I. team last year. He is twenty-one years old, 5 feet 8½ inches tall and weighs one hundred and forty-nine pounds. The first of the season he played half-back, but later, was given the position of left-end. His playing at half was not as good this year as last. He seemed to have lost some of his old-time quickness at starting, and force at breaking the line. At end, Cunningham did great work at Trinity and Troy, scarcely any gains being made around his end, and he did not allow himself to be blocked out. He also runs well with the ball, but at times gets too far from his interference. His tackling is always low and he never shirks.
For some unknown reason, Cunningham was unable to get into plays in the game with the Yale Freshmen, although he has handled better men than the one he lined up against that day. He has always worked hard and been willing to do anything in the interest of the game.

George Putnam Davis is a Worcester boy. He has played the game at Worcester High, but this is his first year on the Tech 'Varsity. In five games this season, he has played the position of right guard. He is twenty-one years old, weighs one hundred and sixty-five pounds and is 5 feet 10 inches tall. After the Amherst game, he stopped playing, owing to the wishes of his parents, but, after strong urging, came out again later in the season, and has made a very creditable showing, though he has run up against some strong men. Individually he is a strong player, and in defensive work has been able to hold the opposing line well. He is a little slow about breaking through, however, and usually does not do much tackling. His offensive play is good, and in almost all the games he has helped Leland to make good holes for the backs. In the later games, he has been given the ball with good result, and in the game with Yale Freshmen, made several large gains. As "Gyp" is a member of '95, next year's team will miss him.

Charles Arthur Harrington, '95, of Worcester, played right guard in one of the games this year, and has played as substitute guard and tackle. He is 21 years old, stands 6 ft. 1 in. high, and weighs 165 lbs. His playing has never been what his size would lead one to think him capable of. In the Y. M. C. A. game, however, he put up a strong game against a much heavier man. His chief fault is in not getting into the plays, and he does not seem to get his man out of the way quick enough. His dislike of practice, also told against him during the last of the season.

C. Raymond Harris, '96, comes from Clinton. He is 23 years old, weighs 151 lbs. and stands 5 ft. 10 in. in height. He learned football at W. P. I., playing right end last year, and has held the same position this season. He has played in all the games except one, and has improved steadily as the season advanced. In the game with Yale Freshmen, Harris played a great game for Worcester. "Hinkey's" principal fault on the football field was his dislike of coaching. His playing the earlier part of the season was very uneven and showed that he did not watch the ball closely enough. He runs with the ball in fine shape, starting quickly and following his interference well. He is quick to see an advantage and is a hard man to tackle. He gets down the field quickly, on a punt, and tackles hard. His weak point seems to be that he is uncertain. Harris made a success of raising football hair, but some cannot account for the unwonted curl it developed on the day of the last game. Harris has played two years on the baseball team and one year on the polo team. He is one of the men always ready to train, but difficult to control.

Alfred Owen Hitchcock is a Freshman, and hails from Fitchburg. He is eighteen years old, weighs one hundred and forty-five pounds, and is the shortest man on the team, being only 5 ft. 6 inches tall. This is his first year at the game, and if he improves as rapidly next year as he has this, he will surely become one of the best half-backs Tech ever produced. At the first part of the season, he played quarter-back on the second eleven, and was substitute quarter on the 'Varsity. Considering the fact that he has had no experience until this year, and no chance to show his mettle till the latter part of the season, Hitchcock's work has been superb. His only fault is that he is a trifle slow on signals, and occasionally fumbles the ball. To offset this his tackles are always low and hard, and he seldom misses his man. On account of his (lack of) height it is almost impossible for him to make a high tackle, and he keeps behind his interference well. Hitchcock played during the last seven minutes of the Academy game after Nelson got hurt, but with that exception did not get a chance to play till the Rose P. I. and Yale Freshmen games, although he was a substitute during the whole season. At Troy, he played the game of his life, and showed his strength and worth in both offensive and defensive play. In the Yale Freshmen game, he saved several long runs around the end, and played the best game of the three men back of the line, doing brilliant work with and against the ball.

Stanley Killam, '95, comes from Yarmouth, Nova Scotia. He is 20 years old, weighs 180 lbs. and stands 6 ft. tall. He played guard in the first game of the season and started to play full-back in the game at Amherst. He broke his collar-bone in tackling a man, and was laid up for the rest of the season. It is his first year at the game, and he would undoubtedly have been a valuable man if he had not been injured.

Henry Willard Leland, '95, of West Gardner, is twenty-two years old, weighs one hundred and sixty-six pounds and stands 5 ft 11 inches. Leland is another man to leave Tech in '95, and he will be missed at right-tackle, in which position he has played almost every game this season. He has played on the second eleven,
and this season started in to play guard, but was moved out to tackle. His weight enables him to hold well in the line. At the beginning of the season, he seemed rather slow, but has since improved vastly in every way. He has been of great value to the team in carrying the ball, as he runs very low, and is hard to stop, particularly so when taken behind the line for a running start. Leland has almost always been able to open up good holes for the backs to go through, and is as hard a worker as any man on the team, being in every play if he can possibly make connection. He is always ready to listen to coaching, and has profited by it a great deal. He breaks through the line well and does considerable tackling.

James Benjamin Mayo, '96, hails from Turner's Falls. He is 22 years of age, 5 feet 8 inches tall and weighs 146 pounds. He learned the game at Cushing Academy, and was substitute on the Tech 'Varsity last year. In all but two of the games this year he has played the position of right half-back. His playing is always sharp and aggressive. He watches the ball closely and goes into the line in fine shape. Mayo's weakest point is on signals, which he sometimes misses. He is rather slow at running around the end, but in the defensive he breaks through well and his tackling is low. He is full of grit, and in the Troy game played through the second half with a sprained ankle. Like the rest of the backs, he is light in weight, but makes up in energy and quickness. He is uncertain in tackling. Mayo's work this year has surprised all his friends, and he should make the team next year and play a star game.

Herbert Harrington Morse, '97, of Southbridge, Mass., has played in all but two games this season. He is twenty years old, weighs a hundred and fifty-two pounds and is 5 ft. 9 in. tall. Morse first saw a football at Worcester Academy, where he played on the second eleven. He played on Tech's second eleven last year, and worked hard for the success of the 'Varsity. This year, he was given a try at full-back, and has proved a great success. Though rather light, he makes up for lack of weight by the snap which he puts into his play. Morse has been used chiefly for hard bucking, and he is almost sure of making his gain. He rushes hard, watches the ball closely, and starts very quickly. He keeps his feet well, as may be seen from the wonderful play in the Amherst Aggie game, when, on a centre play, Morse went twenty-five yards with both elevens hanging about him; and then broke through and ran forty yards more, making a touch-down. He does good work in the interference, and on the defensive has missed few tackles, and not once has he let a man get by when it depended on him alone to bring him down. Morse's weak point is in catching punts, and at Trinity and in the Yale Freshmen game, he made costly muff's. In the latter game, however, Morse was sick when the game commenced, and was in no condition to do himself or the team justice, but unfortunately there was no one to take his place.

T. Leverett Nelson, '97, of Worcester, is 21 years old, weighs 154 lbs. and is 5 ft. 10 1/2 in. tall. He started in the year playing full-back, but was injured in the Academy game and did not play during the rest of the year. Nelson is a good punter, is sure at a catch, and goes into the line hard. He tackles sure and low, and his only fault is being slow at starting. He is probably the best full-back in Tech.

Frederick William Parks, '95, is a Fitchburg man. He is 19 years old, weighs 152 pounds and is 5 ft. 9 1/2 inches tall. He has played substitute tackle and guard this year, and it is his first year at the game. He is remarkably strong for his weight and size, and made a mistake in not coming out in previous years. He played left guard in the game with the Cambridge Y. M. C. A. and, although playing against a much heavier man, he did creditable work. He is one of the men who has always been ready to work for the best interests of the team in whatever position he was placed. He is quick at his signals, and in the Y. M. C. A. game showed some good tactics in getting a man off-side. The referee, however, decided that the man couldn't get on side while "Freddie" had him by the ears.

Robert Sanford Riley, '96, comes from Winnipeg, Manitoba, and is comparatively a new man at the game, this being his first season on the 'Varsity. Last year he played centre on the second eleven, and played that position on the 'Varsity in all the games this year. Riley is 20 years old, stands 6 ft. high and weighs 175 lbs. Although rather light for a centre rush, he has done very creditable work against the heavy men he has met this season; such as Mannahan of the M. I. T., and McCrea of the Yale Freshmen team. He has played a steady game throughout the year, and has shown rapid improvement and an increasing knowledge of the game. In the first of the games he was slow at breaking through and did not follow the ball closely. Before the end of the season he picked up a good many of the details of his position, followed the ball in good shape, and made quite a number of good tackles behind the line. He has been good at stopping
centre plays, and sends the ball back evenly and surely. Riley is full of sand, as shown by the way he stuck to his position in the Amherst game, when so badly used up he could hardly stand. He never met a man he was afraid of.

Frank William Smith, '97, played left tackle in the first three games of the season, but was compelled to give up the game. He is a Worcester lad, 20 years of age, weighs 154 pounds and is 5 feet 8 inches tall. His first knowledge of football was acquired at the Worcester High School. He played on the Tech team of '92, and at that time put up a hard game. His playing this year was up to standard, and he always worked hard. His tackling was low and he kept his man out of the plays. He will probably be a candidate for end position next year.

Charles P. Ware, '96, is at home when he is in Bangor, Me. He is 6 ft. 1 in. tall and weighs 164 lbs. He played left end and captained the team in all the games this season up to and through the one with Amherst Aggies, and worked hard for the interests of the team. Ware received his football education at Andover and Worcester Academy, and has played here for the last three years. Last year his playing was not up to what he had done the year before, and his most intimate friends were disappointed in him; but this year he improved in his play, especially on the offensive, although he had the responsibility of the captaincy resting upon his shoulders. His most glaring fault is that of invariably tackling high, thus allowing the runner to gain his length. Ware has always been a conscientious trainer, and wanted his men to follow his example. It was a great disappointment to him and his friends that his resignation was demanded by "the powers that be" right in the middle of the season.

A NEW SHOP RULE.

By a recent vote of the Faculty, the hours of shop practice have been decreased from ten to nine. It has not gone into effect as yet.

DR. FULLER’S INAUGURATION.

Thursday, Nov. 8th, was a happy day for Drury College and Springfield, Missouri. For a long time the College had been without a president, and the knowledge that the government was only temporary had subjected the institution to something of a strain. But on Nov. 8th all was changed by the inauguration of Homer T. Fuller, Ph.D., as President. The day was a perfect southern day, the warm sun and balmy breezes of September were fitting accompaniments to the impressive ceremonies held in Stone Chapel.

The inaugural exercises were opened by the College Glee Club, which rendered a beautiful selection. After a short prayer by Rev. M. B. DeWitt, D.D., the master of the ceremonies, Rev. J. H. George, D.D., of St. Louis, delivered an address. Dr. George spoke of the history and former presidents of Drury. The speaker then mentioned the advantageous condition of the College upon President Fuller’s inauguration.

In behalf of the Trustees, Melvin L. Gray, LL.D., made an address, in which he cautioned the new president on the gravity and responsibility of his duties, and finally with the motto, "In hoc signo vinces," delivered the charter and keys to Dr. Fuller.

President Fuller’s response, the inaugural address, was lengthy. In accepting the tokens of his office, Dr. Fuller said: "Gentlemen of the Board of Trustees: I accept from your hands these symbols of the office to which you have invited me, relying not upon my own wisdom or strength, but upon that which comes from your own counsel and coöperation, and from the divine guidance. It will be my purpose and earnest endeavor to fulfill the intent of the founders and supporters of the college; to administer its affairs faithfully, honestly and impartially; to preserve its reputation and its resources; and to enhance the worth of them to those for whose benefit they were designed. After these words of acceptance, the new President gave his inaugural address. He took for his subject, "The Modern College: Its Province, Its Purpose, Its Method." In his discourse he said:

"An American college is a distinctive American Institution. It had its suggestion in the separate schools of the universities of England, but it had its organization on a different basis." He said, that Harvard and Yale were never likely to rival at Oxford or King's College at Cambridge. They do not resemble the universities of Germany, France or Italy. When our forefathers started the first colleges, there was in every State something in spirit and method different from anything which was dominant in England or on the continent. The right to think and worship independent of lords, temporal and spiritual, was the logical issue of the protestantism of reformation. The opportunity thus to think and worship was first freely given on the shores of the New World. It was the same sense of responsibility, both for themselves and their children after them, that led to the very early founding of colleges. Dr. Fuller said, he would not undertake to discuss the history of the development of the American college. That, he said, has been done by others, and by none more ably than my lamented predecessor in the chair. The President then discussed in considerable length the future of the American college. He said, that the college has for two hundred years been a prominent and influential factor in our national life. Is it to be a necessary factor in the future? If so, we are to cherish and enrich it, not because of what it has done, but for what it may do, and for what no other form of educational institution can so well accomplish. He likes
the present form of the American college, but said, if something new be better, by all means let us have it. In actual experience, he said, in speaking of the German and English method of education, the association of boys of twelve years with those of eighteen years in large numbers is both for intellectual and moral reasons not advantageous, and the tendency in England is to remove one entirely out of touch with the other. He attributed the superiority of the German education chiefly to its more thorough training of teachers, and that the American college can never have the same touch with antiquity and art, or with the varieties of speech common in Europe, where even many a waiter or sailor speaks five or six tongues. Only one-half the children in our public schools go more than two-thirds through the primary grammar school, only one in eight enters a high school or academy, one in twenty-five finishes the secondary course, one in fifty enters college, but one in a hundred goes to professional work. Thus the professional schools may wisely be rarer than colleges. We need universities for the few, colleges for a much larger number. From long and careful observation President Fuller said, he was convinced, that on account of the hospitals and courts the large cities are the proper place for the law, and that Springfield is in the centre of this and law, while on the other hand, the country town, more free from diversions and less expensive sights and rents, gives better discipline at one-half the average cost of a liberal education in the large cities. After speaking of the various State universities President Fuller said: "The college supported by voluntary contributions has an advantage over State institutions in its freedom from partisanship in administration. More than one State university has been temporarily paralysed by the notion, that it was a spoil to be distributed by the dominant party." President Fuller perceived a bright future for Drury College, and said, it had taken a deep root in the midst of a population otherwise unsupplied with higher educational advantages. In this respect more than any other college of high grade, its legitimate field is Missouri, Arkansas, Kansas, and Indian Territory, an area of over 40,000 square miles, in a territory whose resources are but half developed. He mentioned the new beds of coal recently discovered in that county, and the wave of immigration which is coming to the undeveloped Southwest, and that Springfield is the centre of this growing district and that the future growth of Drury is a certainty. Next to the completion of the proposed and partly secured endowment, President Fuller said, the great need of Drury College is ample provision for instruction in science, more room, laboratories, etc., but for the historical part of the work the college needed, they had no ample equipment. After discussing the mission of a college the President concluded by saying: "It must teach the necessity and beneficence of law, the regnant power of love, and the Christlike privilege of self-denial for the sake of others. It must exalt and en throne one master, one great teacher, and must account it the highest wisdom to learn of Him, and to attain that abundant and complete life which He came to give and which alone can suffice for the highest service."

Then followed addresses of welcome. The Faculty were represented by Prof. F. A. Hall, the students by Edgar H. Price, the alumni by one of Springfield’s leading lawyers, R. L. Goode, and the citizens of Springfield by Mayor Fenton.

Mayor Fenton delivered the address in behalf of the citizens. He said: "I am here not only in my official capacity as Mayor of this city, but I wish it distinctly understood that I join heartily with you, as a citizen of Springfield, in celebrating an event, which marks a forward step in the advancement of Drury College." Continuing, Mayor Fenton said, that Drury College is destined to become the leading institution of its kind in the great Southwest. To President Fuller the Mayor extended a hearty welcome, and stated, that a good deal is expected from him, especially when the love and esteem in which his predecessor was held by all the people is remembered. The hearty support and cooperation of the citizens of Springfield was assured.

As the inaugural ceremony was to be combined with the dedication of the Dolores McCullagh Cottage, the statement of the committee in charge of the erection of the cottage was then made by Prof. W. C. Calland. This statement said, that the hall was the gift of Mr. E. A. Goodnow of Worcester, Mass., and was named in honor of Mrs. Dolores McCullagh, and, by her death, has become her memorial; that the total cost, including furnishing, was $24,000; that it is 140 ft. long, is built in the style of the French Renaissance, and has accommodations for forty-four young ladies, in addition to rooms for principal, teachers, matron, and servants.

Then followed the address of Rev. Archibald McCullagh of Worcester, on "The Bible, Its Right to a Place as a Great Classic in the Curriculum of Higher Schools of Learning." Dr. McCullagh delivered his long and interesting address in an able manner, which held the attention of the vast audience for nearly an hour, in spite of the fact, that it had already listened to several long speeches. The Bible was examined as literature. He concluded by saying, that the Bible was a book, unapproachable by any other work or book, and that no man’s education could be complete without an understanding of the greatest work of any—the Bible.

On account of the lateness of the hour the musical programme was not carried out. The scene of the ceremonies was then changed to McCullagh Cottage, where, on the east porch, the prayer of dedication was offered by Rev. Michael Burnham. The Benediction was made by Rev. C. V. Criss.

In the evening a reception was tendered to President and Mrs. Fuller and to the Worcester friends. Brief addresses were made, which congratulated President Fuller upon his accession to the presidency of Drury College at a time when such a bright and prosperous future awaited it. The exercises were then closed by Dr. Fuller in a few well chosen words, in which he thanked the participants in the day’s exercises, and in which he expressed his appreciation of all that had been said during the day.

Among the visitors to Springfield from Worces-
A NEEDED IMPROVEMENT.

Mr. Editor:—

Among the other improvements going on around the Institute, there is one we would like to suggest that would be a great convenience to both student and workman, and that is a handrail at the side of the steep walk leading up to the Shop.

There is hardly a day in winter, when it is not both difficult and dangerous to descend or ascend the walk. One has either to risk the danger of a broken neck or walk out in the deep snow to get a foothold.

It is really pitiful to see some of the older employees toiling up the hill. Without a rail, it is a hard climb even in summer with a good dry path underfoot.

The belated student, too, whose alarm-clock has failed to go off, can make good time till he reaches this steep incline. Here his progress is impeded by the glassy incline, up which he must pick his way unaided by a friendly rail.

We think a rail could be placed here at small expense, and it should be done at once, before the ground is frozen, when it would be much more difficult to do the work.

AN INVITATION TO TROY.

In our last issue it was mentioned that members of the Laureate Boat Club of Troy had encouraged our team during the contest with the R. P. I.'s in that city. At the close of the game, also, the team received very courteous treatment at their hands, owing largely to the fact that Charles Ferry, W. P. I. '88, was a member of the Club and anxious to give our boys as pleasant a time as possible. The R. P. I. men also showed our team every attention and kindness.

As a result of our team becoming acquainted with the Laureates in this manner, Manager Temple recently received a cordial invitation for our team to again visit Troy and play with the Laureate team on Thanksgiving day. Most of our team were greatly in favor of accepting the proffered invitation, knowing that they would receive fine treatment and have an interesting trip. Several members of the eleven, however, could not absent themselves from home on that day, and therefore the invitation had to be declined.

POLO.

To the Editor of the W P I:—

As the football season draws to a close, and cold weather fast approaches, we begin to think of some winter sport to engage our attention.

Last season, for the first time, an effort was made to introduce the game of polo into the Institute. A team was formed which represented the college in a few interesting games with other schools. The team, although possibly somewhat hastily chosen, did comparatively well, considering the newness of the game and the inexperience of the players. A sort of unity in the play was aimed at, and, although not much practice was obtained, a slight amount of team work was developed.

So much for the past; now, what we are interested in is the future. Already an effort has been made to obtain permission to flood the tennis courts in order to form a small skating rink there. This is surely an effort in the right direction. A small, smooth, skating surface is just what is needed in order to make a team play together, and the level stretch at the foot of Tech Hill is admirably adapted for such a purpose. Water can be easily obtained from the city mains and the work done without much expense. If, for any reason, it is not practicable to flood the tennis courts, a space should be kept clear of snow on Salisbury Pond or at the Lake.

The management of the project might be assumed by the Athletic Association, or, perhaps, it might be found advisable to form a Polo Association. In either case, it should be the duty of the students to boom this prettiest and most scientific of all out-door sports, and to make it a fixture in the college. The expense of putting a team in the field is not at all great, and I, for one, feel sure that the Institute would not be ashamed of the showing of its team at the end of the season.

CLASS GAMES.

At a meeting of the football directors, Monday, Nov. 19, it was decided that the class games would not take place this fall.

At this late season the darkness comes on so early that there is not sufficient time for practice after 4.30. Moreover, it is too late now to take advantage of any new men who may be brought out by such means, and therefore the directors concluded, that their wisest course would be to cancel the games.

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