

The

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CONTENTS.

	PAGE		PAGE
Editorials	127	Y. M. C. [A. Course of Entertain-	
Tech vs. Amherst.....	130	ments.....	135
Tech, 10; Trinity, 0.....	131	Electrical Laboratory.....	136
Second Cross-Country Run	132	Shop Notes.....	136
Third Cross-Country Run.....	133	Personals	136
Frank B. Dove, '95	134	Scientific Notes.....	136
The Excuse System as Applied to the		College Notes	137
Shop	135	Technicalities.....	137

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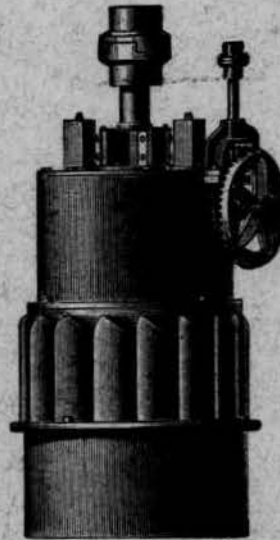
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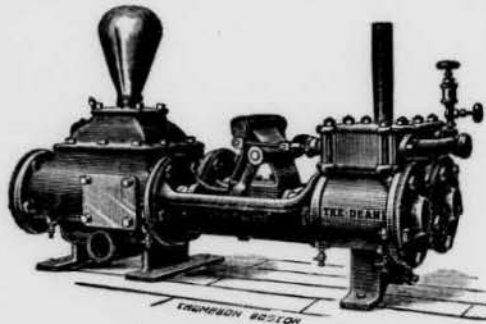
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THE W P I

Vol. IX.

WORCESTER, NOVEMBER 9, 1893.

No. 10.

THE W P I.

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Once more has the shadow of death fallen upon the Institute. The taking away of a student from our midst brings upon us a feeling of gloom and sadness. Death on his travels stops least often at the side of the student and so, when he does take from among us all a schoolmate, and from some a classmate, it makes it all the more sad because it was least expected.

The death of a classmate probably has a greater effect on the students as a whole than the death of any other individual. The times

“ When thoughts
Of the last bitter hour come like a blight
Over thy spirit, and sad images
Of the stern agony, and shroud, and pall,
And breathless darkness, and the narrow house,
Make thee to shudder and grow sick at heart,”

come least often to a student, so that the death of a classmate, of one with whom he has daily associated, of one who was following the same pathway in life, reminds him

most forcibly of the “ last bitter hour,” and casts temporarily a gloom upon his spirit.

More new rules! This time, viewed from the student's standpoint, not an atom of advantage can be discovered, not an argument in its favor can be advanced, not a student can be found who is able to look deep enough into it to see wherein he will be benefited. Perhaps the rule was made to create punctuality in the shop-worker; perhaps it was made to obtain a better state of discipline. But why should this be so? We are not like the children of grammar schools who are forced by law to attend strictly and punctually to their school work. We are not to be compared with those who have yet to learn their lessons of punctuality, nor indeed to those who are still taking their punishment for petty offences. We are not children and should not be treated as such.

The student comes to this Institute to learn and to do as much as he can in the time during which the school is in session. He does not come to the shop late if he can help it, neither does he go out before the hour of closing unless he has some important business that must be done at that time.

Why, when a man through some unforeseen occurrence reaches the shop a few minutes after the time of starting, should he be compelled to wait fully two hours and a half before commencing work? For surely this is what the man will do, for no one can be so much in love with machine-shop work to start in and work those two and one-half hours without any return for it. The student under the new state of affairs will be

compelled to put more time into shop-work during vacation than heretofore. Is this an advantage? Are not students separated enough from their homes without making new rules which will tend to shorten their vacations, and shorten the even now short time they have to spend at home?

Perhaps some one will say that the student foreseeing this will try harder not to be late and will take care that he is never obliged to leave the shop for any reason. He will try indeed. But there are things over which he cannot obtain control, there are obstacles which no man can set aside. Students whose homes are not in this city are at a slight disadvantage. They cannot require of their landlords or landladies the same attention that would be received at home. Their alarm clocks *will* fail to go off, their landladies *will* forget to wake them, and some students even see nothing of their housekeepers except on pay-day. Furthermore, the student does not control his boarding-house keeper and it is no fault of his if his breakfast is late. Why in such cases as these, where the student has good intentions, should he lose two hours and a half, when perhaps he really would be only fifteen minutes behind?

What about those who live in adjoining towns or on the outskirts of the city, who come in on early trains or street cars? The number of such students here is not small. How often will trains and street cars be on time on winter mornings when these are perhaps the first ones to push their way through snowdrifts? Are these men to be compelled to idle away two hours and a half before they begin work and to be forced besides this to make another journey to make up that two hours and a half or thereabouts?

We have said that a student will not go out before the time of closing unless he has some important business to transact. Of course there is an exception to this and *perhaps* that

is a cause of the new rule. During the football and base-ball seasons, some men must omit an hour or an hour and a half of shop-work to practise the game. The new rule will of course tend to lessen the player's desire to leave the shop, for he must lose half the afternoon no matter what time after 3.30 he goes out.

Wherein then is any one benefited? Surely the shop is not. The work of keeping the student's time will be a little easier perhaps, but the number of absences from shop will be greater during the session of school. Not a trace of benefit can the student discover, for he cannot work when he wants to and must during vacation put in the time which he would like to put in where it belongs. Why then was the new rule made?

Will the wonders never cease? First, one surprise party, then another and another are sprung on the students; and it is a cause of extensive speculation what will be the next move of the Faculty and when they will have finished the list of innovations. The Faculty Committee on Athletics, the body on whom the responsibility of the Institute in the athletic line rests, seems to have gotten itself into fine working order; and from the indications at present, we draw the conclusion that the committee will henceforth aid the students in all reasonable athletic ventures, and that it will itself make propositions to the students instead of remaining silent until the Athletic Association acts and then rendering their opinion on the matter.

To have a Faculty Committee on Athletics which will prove its claim to the name by doing its best to raise the standard of athletic sports in the Institute is the best help that the Athletic Association can have. So we can safely assume that with the Athletic Association and the Faculty working harmoniously together—and such a thing is

not impossible—the era of success and prosperity in the athletic history of the Institute is not far distant from us.

And this is as affairs should be. The Faculty Committee is not a body which, as some intimate, was invented for the special purpose of refusing to agree with anything proposed by the students of the Athletic Association. But, on the other hand, it is a body which should of itself propose subjects to the association, and we are glad to see that at last the members of that committee have deemed it their duty to do it.

With regard to the annual show much has been said upon the subject since the meeting of the Association, called for the intention of electing a committee to discuss the prospects. The burlesque last year was a gigantic undertaking for people who have so little time for outside amusements. Its success both in the rendering of the play and in the sizes of the audiences which greeted it was as gigantic as its undertaking. But did the small profit which was gained from the enterprise compensate in more than a small degree for the great length of time used in its production, the great interference with studies, the lowering of the marks of many of the men who took part, the inability of several athletes to take part in the spring sports? Surely not. But some will say that the fame and glory gained from the play itself is a great reward in itself. And surely it was. But the purpose of the show is to imburse the Athletic Association treasury, in order to enable us to compete favorably against our opponents and not to gain fame and glory on the stage, although that is almost sure to happen incidentally.

The minstrel show, which requires little preparation compared with the burlesque, is in the minds of some the best thing under the circumstances. To be sure, it is probably not so refined and grand as a burlesque

might be but it serves its purpose in a much more satisfactory manner. The special attractions could be shown to as good advantage in the minstrel show as in the burlesque; in fact, take away the story of the play in the burlesque and what remains are the "special attractions" of a minstrel show, and these are the parts that are most appreciated.

The foot-ball team is itself again. Out of the cloud of dishonor and disgrace it has emerged glorious and proud. But the cloud still remains. That short time in the middle of the season, when the team underwent such disasters, will be always remembered by the members of the team; and it is to be hoped that those who are to care for Tech's interests on the foot-ball field will learn well the lesson which this season has taught. At the beginning of the season, the team was by far the best which ever bore the name of the W. P. I. foot-ball team. The opening games were contests to be proud of, the playing being excellent. But then came the period which is so unexplainable, the period of depression on the part of the supporters of the team, the period of indifference and lack of ambition on the part of the players. What was the cause of it? Some say that it was inevitable, that such periods have always come and will still continue to come to all teams which are in a fair way to gain honors for the W. P. I. And there are those who say that there were other causes, that partiality was being shown, that players refused to take advantage of the coach's advice, and so on. But these are met by the argument that the team is now playing better than ever before and its prospects for a glorious and honorable finish are bright indeed. Nevertheless we can all profit from the experience gained from this year's work and let us henceforth be on the lookout for all symptoms of the detestable disease which

is so likely to overtake us all. And as the football season draws to a close and our team continues to play in its old-time form, let us all put faith in the old maxim, "All is well that ends well."

The series of cross-country runs just finished is, without doubt, the most successful ever held. The main object of the runs is to manufacture athletes, and, in this, the runs this year are very successful. Many of our best athletes in the past three years can trace the beginning of their athletic history to the cross-country runs. This year there are several new men who are sure to be prominent candidates for places on the intercollegiate team next spring.

With regard to the class championship, Ninety-four has at last achieved the honor for which she has striven in vain in the preceding years. A firm determination and stubborn refusal to give up would have won it for Ninety-four in the past two series of runs, but these great qualities she did not possess. The victory, as it is, came easily, only a few of Ninety-four's men running in all three races.

The showing made by Ninety-seven is, without doubt, finer than any ever made by a Prep class. Her men showed none of the backwardness generally shown by new classes, and to this her success is wholly due.

The individual championship, as usual, was very close and exciting. It is an extremely interesting fact that not yet in a series of cross-country runs has anyone had a walkover for the individual championship. It has always been very close and twice, including the series just finished, the last run has decided which man should wear the championship medal.

As the runs have turned out it seems that each class has received a share of the prizes. Ninety-four takes the banner for the class

championship, Ninety-six takes the first prize for the individual champion, Ninety-five the second prize, and Ninety-seven the third prize and the honor of being the most worthy opponent of the Seniors for the class championship.

TECH vs. AMHERST.

On Monday, October 30, the Institute football team played Amherst Varsity on Pratt field, at Amherst. It is needless to say that our team did not expect to win, only hoping to keep the Amherst score within reasonable bounds. Our eleven played by far the best game of the season and showed great improvement over its past work. This is due, to a great extent, to playing the same backs together in practice. Tech put up a far better game than the summary shows. Three times was the ball in Amherst's 15-yard line; once we lacked but three yards to score a touchdown. Amherst seemed unable to withstand our attacks upon her centre, and she in turn could make no gains through our line. The absence of fumbling by Tech was indeed encouraging. Both teams played a clean game although one or two Amherst men held rather more than is allowable. Nelson, Durand and Brigham played the best game for Tech, while Goodale and Haskell led the Amherst men.

Both umpire and referee were manifestly impartial in their decisions. The grounds were rather slippery owing to the recent rains. About two hundred witnessed the game, which was called a few minutes past three.

The men lined up as follows:—

AMHERST.		TECH.
Rosa, l. e.		r. e. Harris.
Tyler, l. t.		r. t. Durand.
Haskell (Capt.), l. g.		r. g. Brooks (Capt.)
Cauthers, centre,		Boyden.
Stone, r. g.		l. g. Brigham.
Blagden, r. t.		l. t. Proctor.
Russell, r. e.		l. e. Ware.
Pratt, quarter-back,		Warren.
Goodale, } half-backs,		{ Nelson.
Barnes, }		{ Allen.
Deering, full-back,		Cunningham.

Amherst won the toss and took the ball. Tech held well and soon had the ball in four downs. Tech immediately got five yards for off-side play. Allen gained ten yards, and Cunningham, twenty. Then by centre plays it was carried to Amherst's 15-yard line, when it was lost on four downs. Amherst again lost the ball on four downs after having gained about twenty yards. By continued gains through Amherst's line by Nelson and Allen, the ball was brought to Amherst's five-yard line. Here Tech lost ground and on the third down with six

yards to gain, Allen attempted a goal from the field. He missed it by less than a yard. Amherst then had the ball on her 25-yard line. Goodale and Deering then made long runs around the end. Deering made a touchdown and Haskell kicked an easy goal.

Score: Amherst, 6; Tech, 0.

Tech started off with a V and gained 15 yards. Allen and Nelson gradually carried the ball towards the Amherst goal. Cunningham lost the ball and it rolled fully ten yards towards Amherst's goal. Nelson, however, dropped on it. The ball was then on Amherst's ten-yard line, and in three downs a touchdown was made by Allen. The goal was a difficult one to kick and Allen failed.

Score: Amherst, 6; Tech, 4.

Amherst made the third touchdown almost immediately after the V. Runs around the ends enabled Goodale to make a touchdown in less than two minutes after the ball had been put in play. Haskell again kicked an easy goal.

Score: Amherst, 12; Tech, 4.

By bucking Amherst's line, Tech brought the ball to her 15-yard line. Here it was lost on four downs. Again were the Amherst halves too fast for the Tech men and the ball was rapidly carried toward Tech goal. Amherst then made one or two gains through Tech centre and in mass play the ball was pushed over the line. Deering made the touchdown while Haskell kicked goal at a difficult angle.

Score: Amherst, 18; Tech 4.

Tech made ten yards on the split V. A criss-cross by Warren and Allen gained ten yards more. Then Amherst braced up and held for four downs. Gains were made by Haskell and Goodale. Durand made a beautiful tackle and Amherst lost 10 yards. They made it, however, on end plays, and soon after Goodale made Amherst's fourth touchdown. Haskell kicked goal.

Score: Amherst, 24; Tech, 4.

Soon after the ball had been put in play, time was called. Tech then had the ball in Amherst territory.

In the second half, contrary to the expectations of the Amherst men, Tech played a stronger game and allowed Amherst to make but two touchdowns.

Worcester had the ball on the opening V and gained 15 yards, Allen carrying the ball. After several successful attacks on the Amherst line the ball was brought to within 15 yards of Amherst's goal. Here occurred the only fumble of the game, and Tech lost the ball when her chances for scoring were excellent. After forcing the ball two-thirds up the field, Amherst was compelled to punt. An Amherst player got

the ball and a touchdown was soon made by Goodale. Haskell, for the first time, failed to kick an easy goal, the ball rolling along the ground.

Score: Amherst, 28; Tech, 4.

Tech again made a big gain on the V but lost the ball soon after on downs. Amherst had the ball for two downs, when she lost it on a forward pass. Big gains were then made for Tech by Cunningham and Allen. But after getting the ball to Amherst's 20-yard line it was lost on downs. Allen made two beautiful tackles and Amherst, having lost 15 yards thereby, was forced to punt. Cunningham got the ball but the possession was only temporary for Amherst held well and again took the ball. The seventh and last touchdown was then made by Haskell after fifteen minutes hard work. Goal was kicked.

Score: Amherst, 34; Tech, 4.

Again Tech used the V to advantage and gained 10 yards. Aided by gains by Ware and Nelson, and by off-side play for Amherst, the ball rapidly advanced to our opponents' goal. It was however lost on downs. Amherst then made big gains around the end and got the ball within two yards of the Tech goal. Here Tech held in great shape, and Amherst failed to make the two yards necessary for a touchdown. Almost immediately after Tech got the ball the whistle blew and the game was over.

The summary was as follows:—

Score: Amherst, 34; Tech, 4. Touchdowns: Allen 1, Goodale 3, Deering 2, Haskell 1. Goals from touchdowns: Haskell 5. Umpire, H. L. Dadmun; Referee, W. A. Talcott. Time, 30-minute halves.

The team left Amherst on the six o'clock train for Palmer, where supper was served. We were fortunate enough to catch a western train which was behind time and thus we arrived in Worcester two hours sooner than we expected. It was the opinion of the team that they had played the best game of the season, and had made a creditable showing against their heavier and more experienced opponents.

It is possible that a return game will be played in this city before the season closes.

TECH, 10; TRINITY, 0.

The foot-ball team started for Hartford last Saturday at 12.12. It had been raining for several hours and there was some doubt about the game being played but when a dispatch was received from Trinity at half-past eleven saying, "Come, sure," that doubt was allayed, and the students thought either it was not storming at Hartford or that Trinity was ex-

tremely anxious for a game. Good connections were made and the team arrived at Hartford shortly after two o'clock. It had been raining there all day and the outlook was anything but encouraging. A barge conveyed the team to the gymnasium and after the men were dressed, from there to the grounds. A game had been played there in the forenoon which had cut up the surface and stirred up what were small ponds into good sticky mud anywhere from one to three or four inches deep.

There were about one hundred foot-ball enthusiasts present to see what Trinity men expected would be a big walkover for them.

Tech won the toss and opened with a V gaining twelve yards. Then Trinity's line was tried, through the centre and between guard and tackle, both sides, each time with a gain. Tech kept the ball until it was pushed over the line for a touchdown. Allen kicked the goal. Tech, 6; Trinity, 0.

Trinity gained only five yards with a wedge, and then Worcester took the ball on four downs. Tech gained by end plays and by sending Nelson through centre until ball was at Trinity's 25-yard line. Trinity held for four downs but could make no gains and J. Edgerton dropped back for a punt. Brigham broke through and stopped it, however, but Trinity got the ball. Tech held for four downs and then with the ball started for another touchdown. Proctor went through Trinity's left for big gains repeatedly and end plays netted more until the ball was within two yards of the line. Trinity got low to stop Tech, but too low. Nelson took the ball and with the help of Brooks, who had dropped back, and Worcester's other backs went completely over the Trinity team for a second touchdown. Allen failed in the try for goal, but it was excusable as it was a difficult kick and the ball was wet and slippery.

Trinity gained twenty yards on a flying V, but on third down they have six yards to gain and J. Edgerton falls back as if for a punt but F. Edgerton went through the Tech centre to her 20-yard line with the ball instead. Tech held for three downs and with twenty seconds more to play J. Edgerton tried for a goal from the field from Tech's 25-yard line.

There was a five minutes wait between the halves, which the Tech team spent in the barge as the house generally used by visiting teams was partly under water.

Trinity opened the second half with a flying V by which she gained eight yards. Short but steady gains followed until the ball was at Tech's 25-yard line where Tech held and got the ball. Around Trinity's left end Allen with good interference gained ten yards. Proctor

through Trinity's left tackle, Nelson through centre and Allen and Nelson through right tackle, took the ball to Trinity's 30-yard line where Tech lost it on downs. Trinity went in for blood and rushed the ball to Tech's 10-yard line, the nearest it went to Worcester's goal at any time during the game. Tech broke through and downed the ball with a loss of four yards. Tech held and got the ball on downs. Steady gains took the ball to the centre of the field. It was raining harder than ever and the players' mouths, eyes and ears were full of mud and, by agreement of both captains, time was called after twelve minutes play with the ball in Tech's possession at the centre of the field.

The teams were evenly matched as regards weight, the advantage being slightly in Trinity's favor. The quick starting of the Tech backs told immensely in their favor on the slippery grounds. The team play, which has been so conspicuously lacking in some games Tech has played, was excellent. Each man was in every play and did his share. The interference, considering the condition of the grounds was exceptional and was commented on favorably by several Trinity men. The teams lined up as follows:

TRINITY.		TECH.
Strawbridge,	l.-end-r.	Harris.
Buell,	l.-tackle-r.	Durand.
Reiland,	l.-guard-r.	Brooks (Capt.)
McGann,	centre,	Boyden.
Penrose,	r.-guard-l.	Brigham.
Reese,	r.-tackle-l.	Proctor.
Coggeshall,	r.-end-l.	Ware.
Greenley,	quarter-back,	Warren.
Dingwall,	r.-half-back-l.	Allen.
F. Edgerton,	l.-half-back-r.	Nelson.
J. Edgerton (Capt.),	full-back,	Cunningham.
Mr. Elliot and Mr. Dyer,	both of Yale,	were each
umpire and referee	one half.	

The final score was Tech, 10; Trinity, 0.

A barge took the team to town where supper was obtained at the United States Hotel. While waiting for the train a few yells, very well rendered, waked the people up in the depot. The team arrived in Worcester at a little after nine P. M., and was met at the Union Station by a delegation of students.

The work of the team in this game was, to say the least, very encouraging and the students as a whole are beginning to think that after all the policy of playing college teams, even if it brings defeat in some cases, is by far the best, and when a victory does come it is much more satisfactory.

SECOND CROSS-COUNTRY RUN.

On Friday afternoon, October 27, the second of the cross-country runs took place. This time

the course was from the junction of West and Highland streets, through Highland street and the Boulevard, to Coes square and back.

As in the other run it was cloudy and decidedly chilly when the referee, Instructor Coombs, called the men to the scratch. But twenty-one answered to their names, fourteen less than responded a week ago. After a few words of explanation and warning by the referee, they were sent off in a bunch.

Those who started were:—

'94. Baldwin, Bishop, Chambers, Cobb, Fuller, Gallagher, and McFarland.—7 men.

'95. Brooks, Poore, and O'Connor.—3 men.

'96. Alford, Gehr, Goodrich, Reed, Warren, Whittall, and Young.—7 men.

'97. Braman, Brown, Lungren, and Wheeler.—4 men.

At the word Fuller took the lead. At the turn he was still ahead with the other runners in a bunch close behind. He continued to lead down the Boulevard coming home, until Elm Park was reached.

Here O'Connor, Gallagher, Lungren and Whittall overtook him. Then Whittall and Gallagher ran a short distance together. Gallagher then fell back. At the fair grounds on Highland street O'Connor came up to Whittall, the two running for a hundred yards neck and neck. O'Connor had the most speed however, and drew away, maintaining his lead to the finish. In the meantime Gallagher had again come up and passed Whittall. The latter chased him home, and was but a foot behind Gallagher at the finish. Many of the spectators thought Whittall was second, but the judges who were in a better position to see awarded Gallagher second place. The other starters finished in close succession, yet it was almost dark when the last man had crossed the mark. All finished except Reed, who did not turn.

O'Connor's time was 25 min. 13 sec., considerably slower than the record. The order of the men at the finish and the points each scored for his class were as follows:—

	'94,	'95	'96	'97
O'Connor	—	20	—	—
Gallagher	19	—	—	—
Whittall	—	—	18	—
Lungren	—	—	—	17
Brown	—	—	—	16
Chambers	15	—	—	—
McFarland	14	—	—	—
Braman	—	—	—	13
Fuller	12	—	—	—
Young	—	—	11	—
Wheeler	—	—	—	10
Cobb	9	—	—	—
Goodrich	—	—	8	—
Poore	—	7	—	—
Bishop	6	—	—	—
Warren	—	—	5	—

Brooks	—	4	—	—
Alford	—	—	3	—
Gehr	—	—	2	—
Baldwin	1	—	—	—
Totals	76	31	47	56

By the above summary it will be seen that '94 again scored more points than any of her competitors. As in the last run, so in this one, did the Freshmen make a very creditable showing. With four men entered 56 points were scored.

The standing of the classes for the banner, offered to the class scoring the greatest number of points, is:—'94 first, with a total of 172 points to her credit; '97 comes second with 97 points; '95 and '96 have 77 and 74 points respectively. The contest for last place is far more interesting than that for first place. It looks from this run that '95 would bring up the rear.

The four men in the lead for the medals offered are:—O'Connor and Whittall, with 38 points each; Lungren with 36, and Chambers with 32 points.

The officers of the run were practically the same as those of the previous one. They were: Zelotes W. Coombs, referee; Frank J. Bryant, '95, and Henry N. Smith, '94, judges at turn; Eugene B. Whipple, and Walter E. Hapgood, judges at finish; W. H. Morse, Jr., and E. W. Davenport, timers.

Much annoyance was caused both judges and contestants by the spectators, who persisted in crowding on both sides of the line, leaving a space but a yard or so wide in which the runners were to finish. Several men, seeing the crowd in the road, finished on the sidewalk, unobserved by the judges. For that reason it took considerable time and questioning to decide in what positions those men finished. If in future runs the spectators would not crowd around the finish, a much better view of the runners would be obtained and the work of the judges made easier.

THIRD CROSS-COUNTRY RUN.

'94 Wins Class Championship. Whittall Takes the Individual Prize.

The third and last of the cross-country runs took place last Tuesday afternoon. It was originally the intention of the Association to hold the run last Saturday, but it was found necessary to postpone it, owing to the weather. This time the course was to the post-office, so-called, at Tatnuck and back. This run is considered the hardest of the three, being five miles in length and quite hilly. The record for the distance is 28 minutes, 42 seconds, made by Parker, '93, a year ago. Twenty-one starters appeared for the word; they were:—

'94. Bishop, Chambers, Cobb, Eastman, Fuller, Heald and McFarland. 7 men.

'95. O'Connor and Poore. 2 men.

'96. Alford, Brown, Putnam, Stone, Vaughn and Whittall. 6 men.

'97. Braman, Brown, Hemenway, Lungren, Merchant and Wheeler. 6 men.

The men ran in a bunch to the turn with Brown, '97, slightly in the lead. Whittall was the fourth man to turn, while O'Connor turned in seventh position. Soon after turning Whittall took the lead. It was only temporary, however, for Lungren and Brown both passed him at Newton Hill. Whittall again took the lead, and from that time none of his competitors passed him. He finished an easy winner in 30 minutes, 24 seconds, considerably slower than the record. Ten yards behind Whittall came O'Connor and then came Lungren. The only men who finished together were Stone and Alford who fought desperately for last place. Stone managed to come in ahead by a few inches.

The order of the men at the finish and the points each scored was:—

	'94	'95	'96	'97
Whittall	—	—	20	—
O'Connor	—	19	—	—
Lungren	—	—	—	18
Brown	—	—	—	17
Chambers	16	—	—	—
Fuller	15	—	—	—
Braman	—	—	—	14
Putnam	—	—	13	—
Merchant	—	—	—	12
McFarland	11	—	—	—
Wheeler	—	—	—	10
Eastman	9	—	—	—
Vaughn	—	—	8	—
Cobb	7	—	—	—
Heald	6	—	—	—
Brown	—	—	5	—
Poore	—	4	—	—
Bishop	3	—	—	—
Hemenway	—	—	—	2
Stone	—	—	1	—
Total	67	23	47	73

As will be seen by the above totals, '97 scored the largest number of points in this run. It, however, made no difference in her standing, as '94 had such a lead from the two previous runs that the Freshmen could not overtake her.

'94 won the banner easily having scored 69 more points than '97, her nearest competitor.

The standing of the classes for the banner was:—

	'94	'95	'96	'97
First run,	96	46	27	41
Second run,	76	31	47	56
Third run,	67	23	47	73
Totals,	239	100	121	170

The contest for the gold medal was very close. At the end of the last run Whittall and O'Connor were tied, each having 38 points to his credit. Hence, whichever of the two finished ahead of the other was sure of the medal. Whittall got it, while O'Connor received the silver medal. Whittall scored 58 points in the three runs, and O'Connor scored 57 points.

Lungren won the third prize, having 54 points to his credit. The following table will show the individual scores:—

	1st run.	2nd run.	3rd run.	Total.
Whittall, '96,	20	18	20	58
O'Connor, '95,	18	20	19	57
Lungren, '97,	19	17	18	54
Chambers, '94,	17	15	16	48
Brown, '97,	12	16	17	45

The officers of the run were: Referee, Z. W. Coombs; Judges at turn, H. N. Smith, '93, and L. de V. Magaw, '94; Judges at finish, E. B. Whipple, '94, W. E. Hapgood, '95, J. B. Mayo, '96, and H. H. Morse, '97; Timers, H. P. Linnell, '94, and M. B. Chase, '94.

Frank B. Dove, '95.

On Friday, Oct. 27, we were pained to hear of the death of one of our number, Mr. Frank B. Dove, which occurred at his home in Franklin, Mass., Friday morning, Oct. 27. Mr. Dove was a member of the Class of '95, and on account of his amiable disposition, was universally esteemed by his schoolmates, and his untimely death was mourned by all.

Mr. Dove returned to school this fall, apparently in good health, but had been here but a day or two when he was seized with a severe hæmorrhage, while at work in the shop. He returned home, and to add to the complications, pneumonia set in. However, only a few days ago, word was received that he was recovering and expected to resume his studies shortly. He had a relapse, however, and on Friday morning he was dead.

The funeral services were held on Monday, the 30th.

The floral tributes were many, among them being a basket of white carnations, roses, and chrysanthemums, with the number "95" in blue immortelles, from the Class of '95, and a floral basket from the W. P. I. Banjo and Guitar Club, of which Mr. Dove was at one time a member. Messrs. Ford, '95, and E. P. Smith, '94, who attended the funeral, were two of the pallbearers, the others being friends in Franklin.

There was a large attendance at chapel on Monday as a special service was held, on account of the death of Mr. Dove.

Dr. Fuller referred feelingly to Mr. Dove, and his personal knowledge of him.

The Class of '95 held a meeting Monday noon, at which the following action was taken:—

At a meeting of the Class of '95 held Monday, Oct. 30, the following resolutions were adopted: "Whereas, in the providence of God, we are called to mourn the death of our former classmate, Frank B. Dove, be it,

"Resolved: That the Class of '95, Worcester Polytechnic Institute, received the sad intelligence with sorrow and regret.

"Resolved: That the Class cherish the memory of his cheerful companionship and amiable disposition.

"Resolved: That each one feels that he has lost a true friend, and the Institute one of its most promising and respected members.

"Resolved: That the Class extends its heartfelt sympathies to the stricken parents, in this, their deep affliction.

"Resolved: That a copy of these resolutions be forwarded to them, and that they be published in the W P I and daily papers.

"G. A. DENNY.

"H. D. TEMPLE.

"A. W. DOE."

THE EXCUSE SYSTEM AS APPLIED TO THE SHOP.

The new excuse system may be all right, theoretically any way, when it is applied only to lectures and recitations, but there seems to be absolutely no reason to try to extend its use to shop practice. There is no penalty when the ten per cent. limit is reached, so practically the limit amounts to nothing. But where the injustice of the thing comes is in counting a tardiness as half an absence. The length of time a man is late makes no difference unless he is more than two hours and a half behind time.

It seems far from fair to say that a student coming in the shop at quarter of ten, and working two hours and a quarter, was absent. It is sometimes absolutely impossible for a student to be at the shop at exactly seven; delay of a horse car or some other unavoidable reason may cause him to be one or two minutes late. That means almost two hours and a half of idleness, for few students will go in the shop and work when they get no credit for it. It looks very much as if the management expected that the men would go in and work whether they received credit for it or not. If they did do such a thing it of course would be profitable for the shop. There should be some way, and are plenty of reasonable and fair ones, to make the students prompt, and any one of them would be recognized as such and respected. One of the

objects of the practice is to have the students become familiar with shop government, and it would be supposed that they would be taught the best methods. Well, we can stand it for a while, and probably will have to—at least until the matter is *considered* by the Faculty.

THE Y. M. C. A. COURSE OF ENTERTAINMENTS.

For the benefit of those of the Freshmen who are comparative strangers to Worcester, we publish this account of a series of entertainments given at the city Y. M. C. A. on specified Thursday evenings. After looking at the list one can hardly help believing the statement that it "is the best course ever given by the Association."

This series consists of twelve grand entertainments. Two have already passed. On the evening of Nov. 16th the Temple Quartette will give a concert, assisted by Miss Fay Davis, a very talented reader. This quartette has a national reputation in musical circles and undoubtedly all who have ever heard them will attend their entertainment this time, if possible.

Nov. 23d the Fisk Jubilee Singers will furnish amusement. This company originated at Fisk University of Nashville, Tenn., but some new members have been added because of their strength musically. This being the twenty-third season of this company, it is only fair to believe that it is worth more than one's while to attend the concert.

Dec. 14th will see "The Boston Rivals" on the stage. This company comprises Miss Hamlin, soprano, Mr. Winternitz, violinist, Mr. Scott, pianist, and Miss Hoyt, reader. Mr. Winternitz won laurels at the last Festival by his splendid violin playing. It is needless to say more about this evening's entertainment.

On Dec. 21st Prof. Kelley's popular lyceum novelty "Tableaux d' Art" will be presented. This consists in a series of "instantaneous living pictures" founded on historical, romantic, allegorical, mythological and imaginative. The entertainment consists of one hundred and fifty scenes.

Leland T. Powers needs no introduction to a Worcester audience and especially to those of the Y. M. C. A. courses. The production for this evening is his newest and strongest production, "Christmas Carols." This comes on the evening of Thursday, Jan. 18th.

On Jan. 25th the ever popular orator and wit, Mr. Miller, will amuse the audience. This will undoubtedly be very entertaining, as well as instructive in some ways.

Feb. 1st the Smith Sisters Concert Company

will be present. This company consists of six sisters who have been together for many years and who at present stand at the head of ladies' musical organizations. The company includes several quite noted soloists and also a well-known reader, Miss Mae Marguerite Smith.

Professor Churchill, of Andover, will occupy the time Feb. 15th. This gentleman is far too well-known as a reader to need further comments.

March 1st the Brown University Glee, Mandolin and Banjo Club entertains. The concert of the Glee Club last winter was a good specimen of its abilities. No one who attends will be sorry.

One of the finest and most interesting of the course of entertainments is that of Mar. 15th. This is a lecture, illustrating and explaining that always interesting book, Ben Hur. The lecturer, Rev. I. H. Packard, will be assisted by the Ariel Quartette, who will give among other selections, "While shepherds watched their flocks," "When marshalled on the mighty plain." This is the last entertainment of the course and will be well worth what little trouble there may be in getting there.

By joining the W. P. I. Y. M. C. A. as an active member this course of entertainments can be enjoyed at the very small price of one dollar. This arrangement is a very profitable, entertaining and instructive one to all who attend and to Tech students especially.

ELECTRICAL LABORATORY.

The Edison Electrical Company has sent to the electrical department of the Institute a set of incandescent lamps to be tested. The Institute is one of several colleges to which these have been sent for this purpose. After all the returns are in the Company intends to make up a standard from the standards of different colleges. The lamps are about sixteen-candle power.

The Post-Graduate men have wound the armature, a drum with fifty-six coils, for the new motor.

Another of the men is testing a dynamometer.

SHOP NOTES.

Business at the shop is rather quiet at present although there is plenty of outside work on elevators. The new planer recently purchased from the Powell Planer Co., is now in operation, and is a great improvement on the old Pond planer which it replaced. An order for 40 drawing-stands for schools in Hartford has

been received and is being rapidly filled. A twist-drill grinder was shipped to England last week. The Seniors have nearly completed the work on their pump and will commence work shortly on the engine which they are to construct.

PERSONALS.

Chester B. Allen has discontinued his studies at the W. P. I. to take an extended trip to Germany. He intends first to master the German language at Hanover, and then he will turn his attention to physics and chemistry. His sojourn in that country will last three years.

Ellis W. Lazell, '90, formerly assistant in chemistry at the W. P. I., and later manager, secretary and treasurer of the Virginia Brick Co., of Roanoke, Va., has sailed with Allen and the two intend to keep together as much as possible.

We clip the following from a Northampton newspaper: "A friend of Gumpei Kuwado received a letter from him recently, written at Tokio, where he is engaged in sinking oil-wells. Gumpei was very popular while here attending school. He graduated from the High School in the class of '89 and then took a course at the Worcester Polytechnic Institute. He spent a couple of weeks in this city this summer, and after visiting the World's Fair returned to his old home in Tokio, sailing from San Francisco."

Last year's base-ball team, of which all except one are now in school, met Friday, Oct. 20, and elected Zaeder, '96, captain for next year.

Full returns from the Pentathlon contest held at Fitchburg, show that six men only won silver medals by scoring three hundred points. Three of these were from Worcester and from the Tech—Derby, '93, Whipple, '94, and Gallagher, '94. The five Worcester men were invincible in the mile run, no one in any other team making faster time than the slowest of the Worcester team. The several scores given in the daily papers all contain errors, while that given in the last issue of the W P I was correct in every particular.

SCIENTIFIC NOTES.

An ingenious American has invented and patented a device for driving cattle from railway tracks. It consists of a nozzle in front of the engine and controlled by the engineer so that by opening a valve he can direct a jet of hot water to any part of the track. This is warranted to make cattle move on.

An electrician says that just what takes

place in the human organism to produce death from an electric current seems to be an unsolved problem. One of the theories sometimes advanced concerning it is that when a being suffers death from an electric shock it is a pure cause of internal rupture or explosion from the generation of gas or vapor. In support of this view, the way in which telegraph poles are sometimes torn to pieces is referred to. The lightning follows the moist portion of the pole, which is the core or heart; in this case the moisture is vaporized, and the explosion occurs. The high resistance produces heat, the heat in turn steam, and the steam in turn explosion.

One of the highest, if not the highest, smoke stacks in the United States has been recently built for the Fall River Iron Company. The stack from the top of the granite foundation to the cap is 350 ft.; the diameter at the base is 30 ft., at the top 21 ft.; the flue is 11 ft. throughout, and the entire structure rests on a solid granite foundation 55 ft. by 30 ft., by 16 ft. deep.

The Ames Manufacturing Company, Chicopee, Mass., has finished and will ship to Josiah Quincy, of Boston, this week a model of a safety bicycle, which is the first completed machine of that style embodying the ideas of inventor Victor Belanger. Whether the claims of Mr. Belanger as to the speed and general success of the new wheel will be realized, is a matter of much interest to bicyclists. The front wheel and framework are the same as in the ordinary safety, and it is only the complicated mechanism connected with the rear wheel which will attract the attention of the curious. Mr. Belanger is confident that the new machine will work wonders, and that our present ideas of speed in bicycles will be changed by it in short order. Mr. Belanger conceived the idea of his bicycle while residing in Worcester, two years ago. The company has finished five models for the National Cycle Company, of Fitchburg. These machines are chainless, with bevel gears covered with dust-caps, and weigh 35 pounds.

COLLEGE NOTES.

Chicago University has secured the library of the late George Bancroft for \$80,000.

At Harvard only 12 hours a week are required and the Faculty discourages those who try to take more.

Nine-tenths of the candidates for admission to the University of Chicago passed the examinations.

The A. K. E. chapter house at Williams was damaged by fire Wednesday, the loss amounting to about \$5,000.

Cornell is endeavoring to form a debating league with Columbia, Pennsylvania, and University of Michigan.

Some classmen at Leland Stanford University defaced some of the private buildings with red paint, and now there is a reward of \$100 for the guilty parties.

The State University of Nebraska has an enrollment of 1500 students this fall.

A medical school is soon to be established at Princeton.

Foot-ball has been formally abolished at the theological seminary of Princeton. "The rough and brutal game," says the senior professor, "does not comport with the purpose for which students are here, and must be abolished." The action of the authorities is freely commented upon by the students of the college as well as the seminary. Several students of the seminary have in past years played on the varsity teams and some of the substitutes of this year's team were obtained from the seminary. The seminary had organized a strong team and had arranged several games. The dates have been cancelled and the team disbanded.

TECHNICALITIES.

It is generally understood at the Laboratories that one of the Post-Graduate men knows beans.

The Halloween social at Plymouth church was attended by a large delegation of Tech men.

Apparently there is an unwritten law in physics against consulting watches during lecture.

A Senior was overheard to remark that in order to get through Thermo-dynamics he should have to get steam up!!

We are supposed to learn in Political Economy that the Faculty Tax is impracticable, a startling statement to one not used to it.

A new definition.—"Grease is impure lard made from a hog which died before it was killed."

Student (reading).—"Impurities in raw petroleum."

Prof.—"Better say crude, we never cook petroleum."

The Y. M. C. A. has become quite used to furnishing souvenir spoons to some of the guests at the Fall reception. About the usual number, half-a-dozen, are "lost, strayed or stolen."

Members of the Freshman class are endeavoring to form a class orchestra. Any musicians in the class, who wish to join are requested to give their names to Mr. Jeppson.

Several members of '97 succeeded in hearing the Walker-Williams debate at Mechanics hall last week. Prof. Cutler is endeavoring to make reporters of them and this was their first attempt.

It is said that Warren, quarter-back, weighed 131 lbs. before, and 136 after, the Tech-Trinity game last Saturday. Allen also gained $6\frac{1}{2}$ lbs. during the game. If other members of the team gained proportionally, it is no wonder the *Boston Herald* says "The visiting team was much the heavier.

The Freshman class have voted to have their picture published in the Senior's class book. All the other classes have taken similar action, so this book will contain the picture of every man in school.

Senior (anxiously, as he sees the hands of his watch race by twelve): "What is our next lesson, Professor?"

Professor (seizing his book): "The next subject we take up, we will omit. Class is excused."

D- Cr-z.—"Why is it, Professor, that when a train stops suddenly you are twitched out the rear door of the car?"

Professor (reflectively).—"That is because you don't take hold of the seat and assist the train to stop gradually."

D- Cr-z. (contentedly, sitting on the small of his back).—"Oh, yes! I see!"

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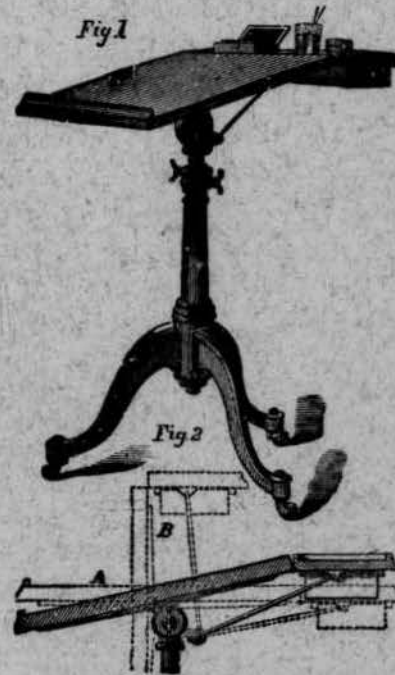
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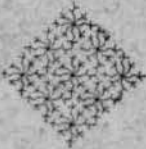
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