5-18-1895

The WPI Volume 11 Issue 3, May 18 1895

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HARRY B. HOPSON.
An unqualified success is the general verdict of the Class Field Sports. To be sure the attendance was not what it should have been, which can undoubtedly be attributed to insufficient advertising. This drawback was, however, made up for by the character of the races and the excellent management. The results of last winter's Meet at the Rink and the general revival of interest this spring, were distinctly visible in the shape of close, exciting events and broken records, and gave no end of satisfaction to the students who have followed the work of the men.

It showed plainly in several cases what careful training can do for a man, whether a natural athlete or not, and also impressed a fact which has lain dormant in the minds of many, that the college has a number of really first-class athletes. There is an optimistic feeling about, and prospects look exceedingly bright for Intercolligate.

We congratulate '96, for her well earned victory, '95 and '97 for the great fight which they made, and of '98 we speak elsewhere.

The baseball team is not having the success that was predicted in the early part of the season. It is not our intention to severely criticise, but it does seem as though a team that practices for an hour every night might put up a little better exhibition than that of the last Tech-Aggie game. To be sure there was not much danger of our opponents catching us after the first few innings, but for the sake of the few spectators
who had to endure the agony, it seems no more than right that the boys should avoid making such a farce of the national game. The Tufts game did not turn out as all the supporters of the game expected. Tufts has a strong team, we all admit, but some few of us thought that we also had a team whose strength was not to be sneered at. Although it was claimed that our pitcher was hit hard, it was not entirely his fault that the game was lost. The universal fault among the players was that they did not cover the amount of territory they should have. A team can not expect to win unless the players try for everything within reach, regardless of the error column. No man will be criticised for an error, after making a good hard try for a ball.

Our next game is with Trinity and we all hope for victory. After that we tackle Tufts again, and it would not be the greatest surprise in the world to find "the boot on the other leg" this time. Let us hope for the best.

What has become of the athletic spirit of '98? When the class entered the Institute, and showed up so well in football last fall, everybody was well pleased, and '98 was praised on every hand. So much the more is it a source of surprise, regret and disappointment to the student body, that her men have made no attempt to do anything in athletics this spring.

It is true that a few '98 men took part in the games field day, and did remarkably well; but the class as a whole did not show any interest whatever in the proceedings.

This would not seem such a deplorable fact were it not that '98 has as much, yes, more, good athletic material than any other class in the Institute. Many of her men are inexperienced, but with training and hard work '98 in athletics need be second to none.

It is hoped that she will realize this, and in the future do what the college has a right to demand of her.

The appeal of the Athletic Association will be found in another column and is self-explanatory. We would urge the importance on every man of recognizing this appeal, for until the money is raised it means a standstill, and not only no baseball but also no football next autumn, which would be little short of a calamity.

The consolidation of the various branches of sports into the present organization has compelled the adoption of a "pay as you go" policy, which is not only wise and expedient in view of past experience, but is absolutely necessary if the Association is to maintain its reputation. Unfortunately the show was not a financial success, so the only thing left to do was to circulate subscription papers.

It is to be hoped that every man will go down as deep into his trousers pockets as he possibly can, for it means everything in the immediate future. A great many have not paid the fee which entitles them to membership in the Association. This is an extremely opportune time to fulfill that obligation.

A poem of ten stanzas, entitled "Examinations"—"A Parody," appears in the current number of the Tennessee University Magazine. It is a parody on "Take Moments," which was printed in our last issue but one. The Tech man who wrote the original ten years ago, will doubtless feel gratified on learning that his poem has endured and furnished inspiration to a far away Southern poet.

Ye listening rocks, ye sounding sea,
Ye bellowing winds from o'er the lea!
O tell me, if ye can tell aught,
What will they call the class of '00?

—Yale Record.
TECH FIELD DAY.

A glorious victory for '96. '95 wins second place by one point.

A perfect afternoon, warm and not a bit of wind stirring, a good track, and a fair-sized, enthusiastic crowd of spectators were the conditions which helped to make the Spring games at the Oval, Thursday, May 9th, a great success.

The games began promptly at 2 o'clock, and although the fields were small, the events were hotly contested, and from beginning to end the afternoon was full of sport.

Two records were broken and in most of the races good time was made. O. W. Lungren, '97, now holds the records for both hurdle races, having won the 120-yards high hurdles in 16½ seconds, and a trial heat in the 220-yards low hurdles in 28 seconds.

The greatest surprise of the afternoon to the majority of the students was the running of Daniels, '97, who won the 100-yards dash in 10¾ seconds, the 220-yards dash in 24 seconds, and who ran the last quarter-mile of the team race in 51½ seconds. This places him without doubt the fastest man in the Institute for those three distances, for he is a comparatively green man at racing, and no one who saw him run field day doubts that he can better his time in all three of these events, when called upon to do so. Great things are expected of him in the Intercollegiate races, May 18th.

After the 220-yards dash had been run, Capt. Allen tried to beat the school record for that distance, but only ran it in 24½ seconds.

The Sophomores had as a mascot, a bull-dog decorated with class colors.

During the first of the afternoon everything seemed to favor '97, with '95 in second place, but in the field events '96 had everything her own way, and at the end of the day was far out of reach. It was a disappointment to the college at large that '98, of whom so much has been predicted in athletic lines, should go to sleep in such an unaccountable manner this spring, and take no apparent interest in the games, as they had only four men entered.

The points scored were as follows: Ninety-six won 58 points; Ninety-five, 42 points; Ninety-seven, 41 points; and ninety-eight, 12 points.

The first event on the program was the 120-yards hurdles, and only four contestants answered the call, H. E. Field, '95; R. S. Riley, '96; O. W. Lungren and H. H. Morse, '97. Lungren took the lead at the first hurdle, and Field, his most dangerous opponent, could not draw up on him. Lungren won in 16½ seconds, reducing the record about two seconds. Field won second, Morse third.

The 100-yards dash came next, and only three men toed the mark. They were T. F. O'Connor, '95; E. E. Brown, '96; and H. L. Daniels, '97. It was a pretty race between the Senior and Sophomore, but Daniels won by a yard, O'Connor second, Brown third. Time, 10½ seconds.

C. A. Harrington and C. C. Brooks, '95, and O. W. Lungren, '97, were the only men to start in the half-mile, and it proved to be an uninteresting race. Harrington took the lead, and after the first eighth of a mile was not pushed. He won the race in 2 minutes, 20½ seconds, Lungren second, and Brooks third.

The starters in the mile walk were J. M. Tilden, '95, P. E. Barbour, '96, and J. T. Walsh, '97. Tilden was looked upon as a winner, but he was not in condition and it was soon evident that the race lay between the other two men. Walsh kept the lead until the last lap, when Barbour passed him on the back stretch. Walsh apparently resented losing the place, for he immediately spurted by Barbour, and kept the place until fifty yards from home. The '96 man now showed he had a bit the more speed by passing Walsh and winning by a couple of yards. The race although sharply contested throughout was slow, the time being 8 minutes, 30 seconds.

Next came the 220-yards dash and four men faced the starter: T. F. O'Connor, '95; H. M. Warren, '96; H. L. Daniels, '97; and H. F. Macomber, '98. It was a race between Daniels and O'Connor, and resulted as did the 100-yards dash, with Daniels in the lead. O'Connor was second, with Warren running in third place. Time, 24 seconds.

G. C. Gordon, '95; P. Goodrich, '96; J. E. Brown, '97; and H. L. Hastings, '98, answered the call for the mile run. Brown led for the first quarter, but Gordon then passed him, gradually drew away and won the race in 5 minutes, 44½ seconds. Brown and Goodrich had a hard fight for second place, but Brown had a bit too much speed for the '96 man and won the place. Goodrich was third. Hastings having found the pace too fast dropped out at the end of the first half.

Three fast men came to the mark for the start of the 440-yards run, and it was a race from the word. The men were T. F. O'Connor, '95; H. E. Field, '95; and C. A. Vaughn, '96. Vaughn took the lead from the start, and was pushed hard by Field for about 300 yards. By this time Field was run out and O'Connor, who had been laying back, came up and beat Vaughn out by about a yard. The time was 62½ sec.

J. W. Higgins and G. D. Alderman, '96, and
W. H. Perkins, '98, mounted their wheels for the two-mile bicycle race. Higgins was looked upon as a winner by the crowd, but Perkins was content to let him set the pace until the last lap, when he showed that he was the speediest man of the lot by passing Higgins, and winning easily by more than 75 yards. The time was 6 minutes, 31 ½ seconds.

The low hurdle race was run off in two preliminary heats and a final. O. W. Lungren, H. H. Morse, '97, and H. E. Field, '95, were in the first heat, the first two to get places in the final heat. The two Sophomores had the Senior beaten some distance from the finish and slacked up before reaching the tape to save themselves for the final. Lungren broke the tape in 28 seconds, thus winning the Institute record for the race.

In the other heat were C. R. Harris and C. A. Reed, both '96 men, and they jogged over the course merely as a matter of form, as both were sure of places in the finals.

The final heat was won by Morse, who was not pushed at all. Lungren finished second, Harris third. Reed fell on the hurdle, and could not make up the distance. The time was 29 seconds.

The two-mile run proved to be an easy thing for W. W. Braman, '97, who had more speed than the other starters and ran an excellent race. The other starters were H. E. Wheeler, '97; G. C. Gordon, '96; J. E. Brown, '97, and C. C. Brooks, '95. Some of the men had never run in a race of the distance before and dropped out before the finish. Gordon ran easily over the distance and got second. With Brown third, none of the men being at all in danger of their positions at any stage of the game. Time, 11 minutes, 23 ½ seconds.

The last of the track events was the team race for the class championship, and proved to be a very interesting race. The '98 team did not put in an appearance as her men evidently had no chance of winning.

The first relay comprised Albertson, '95, Goodrich, '96, and Lungren, '97. Lungren had run so many events that he was unable to keep up with Goodrich, who finished ten yards ahead; Albertson was third. Field, '95, Warren, '96, and Fish, '97, were the men in the next relay; Warren set a fast pace and Fish hung to him the first half of the distance but could not keep it up to the finish, and Field drew up to second place. Reed, '96, started off with a lead of 15 yards over Harrington, '95; Morse, who ran for '97, started so far behind that it was a useless race for '97, as he could not gain on the leaders, who were having a hot contest for first place. Vaughn, '96, and O'Connor, '95, got away on even terms, and it was a repetition of the 440-yards dash, Vaughn leading till on the home stretch, where O'Connor passed him. Daniels, '97, had started so far behind that it was absolutely impossible for him to make up the distance. The timers, however, put their watches on him with the idea of seeing how fast a quarter he could run. The spectators were aware that he was making fast time, and were not disappointed, as the watches registered 51 ½ seconds when he finished. This is excellent time, and ought to be safe for a place May 18th.

The field events took place while the races on the track were being run off, and created but little interest, as it was a foregone conclusion who the winners were.

The winners of the field events are given in the appended summary:

120-yards hurdle race—Won by O. W. Lungren, '97; H. E. Field, '95, 2d; H. H. Morse, '97, 3d. Time, 16 ½ sec.

100-yards dash—Won by H. L. Daniels, '97; T. F. O'Connor, '95, 2d; E. E. Brown, '96, 3d. Time, 10 ½ sec.


One mile run—Won by G. C. Gordon, '95; J. E. Brown, '97, 2d; P. Goodrich, '96, 3d. Time, 5 min 4 ½ sec.


One mile team race—Won by '95; '96, 2d; '97, 3d. Time, 3 min 41 sec.

Pole vault—Won by F. C. Harrington, '98; F. J. Zaeder, '96, 2d; F. H. Brigham, '96, 3d. Height, 8 ft. 6 in.


Running broad jump—Won by C. R. Harris, '96; F. J. Zaeder, '96, 2d; F. H. Brigham, '96, 3d. Distance, 19 ft. 10 ½ in.

Putting 16-pound shot—Won by F. H. Brigham, '96; F. J. Zaeder, '96, 2d; W. S. Killam, '95, 3d. Distance, 33 ft. 7 in.
The course of lectures for all students, held on alternate Mondays, has become an assured success, and the lecture by Hon. J. H. Walker, May 6th, was certainly as interesting as any thus far given, his subject being "Congress and Congressmen." This lecture was not illustrated by stereopticon views but the lecturer portrayed Congress and congressmen far better than views could have done.

He first gave a description of the Capitol, including a full account of the interior arrangement of halls and committee rooms. Next were mentioned several of the important committees and their duties. The duties of a congressman and a general outline of the way in which legislation is effected were given. Concerning these he spoke substantially as follows: The intensity of the life of a congressman can little be imagined by one outside of Washington. A representative and his clerk can work from the opening of the session till night, daily, and then not fully represent the district which has sent him. During the commotion, which is "orderly commotion," occasioned by all the members, their clerks, pages, and messengers, in the fulfillment of their duties, the few who may be interested in a certain question are endeavoring to enact laws. Ninety-nine per cent. of all legislation however is by consent, and aside from the few important questions each year no general interest is taken, and congressmen are anxious to get the daily papers to see what was done in Congress the day before. Only 60 per cent. of all legitimate bills, which should be enacted, are enacted, hence each year work has to be done which should have been done by the preceding Congress. A man, to get a bill through must be popular, and however needful or proper the bill may be, if the man is unpopular and the slightest objection is raised it will not be acted upon. The years a man has been in Congress have much to do with the respect with which he is regarded by others; for one who has served for several years has a far greater influence than a new member, however eloquent.

With regard to the individual members of Congress, Mr. Walker gave some of the characteristics of about fifty of the more prominent and of these his remarks concerning a few are here given.

"Mr. George F. Hoar has accomplished more legislation than any other man, and is one of the purest, cleanest and noblest men in Congress. David B. Hill is a most adroit man, of tremendous ability and whose unscrupulousness is something enormous. Tom Reed is the ablest man in the country to-day. William L. Wilson of West Virginia is eminently a college professor and absolutely nothing more. He knows no more about economic problems than—I don't know what."

It is needless to say that this last remark was appreciated by the Professors and students of democratic sympathies.

At the close of the lecture the speaker was greeted with a most hearty round of applause.

IT DIDN'T WORK.

On his arrival early Friday morning, the engineer noticed that the front door of the Shop was wide open and rightly guessed that something was up. Everything was apparently in good order, however, till the engine room was reached. Here a chair, with legs upward, was situated on one of the pillow-blocks, the iron cap of which was missing. This is an iron block weighing about twenty-five pounds and is held in place over the box of the fly-wheel shaft by two large bolts.

The only explanation to be obtained for the strange and sudden disappearance is that some of the students finished up the celebration of Thursday's sports by a little sport of a different kind, the supposition being that '96 was the party interested, the idea being to stop operations at the Shop the next morning and thereby gain a loaf.

But it didn't work! In less than five minutes after the gong sounded the engine started up. Mr. Humphrey had rigged a temporary wooden cap which well answered the purpose. Had the box which lies just underneath the cap, and is made up of four quadrants, been taken, in all probability the '96 men would have had a morning's rest.

Saturday morning the missing link was found just outside the Shop door, but was not put back to its old place till Saturday night.

N. E. I. A. A. GAMES

At the Oval To-Day. Probable Winners.

For the past month the athletic talk among the New England colleges has been concerning the games which take place on the Worcester Oval to-day. For the past three years these annual games have taken place in Worcester, and have created no end of interest. This year the excitement promises to run higher than ever, as a good list of entries have been made, and
large fields of good men are assured in all events.

Every one concedes that M. I. T., the winner of last year, will again carry off the first honors, but who will capture second place? Dartmouth thinks she has a good claim to the place, and Brown also thinks she will be able to win it. Williams and Amherst have both been keeping rather quiet, but they are sure to be heard from to-day. Last year our team did not score a point, but when the results are announced today, it is expected that W. P. I. will have several points to her credit.

HYDRAULIC TESTING PLANT.

The Hydraulic Testing Plant at Chaffin's was used by students for the first time, Wednesday, May 8th, two divisions of the Seniors under Prof. Bird, being the first to enjoy its privileges.

The work consisted in determining the efficiency of the 18-inch Hercules wheel at different speeds, with different gate openings, and finding what speed gives the best efficiency.

Each division makes eight tests, two on each gate, the gate openings ranging from .3 to full gate, and the horse-power developed from 15 to 75. In making these tests each student has the care of some special piece of apparatus, or the reading of one of the gauges, and in the subsequent test has a different assignment, so that in the several tests, he becomes familiar with all parts of the plant.

The quantity of water used is measured before entering the wheel by the Venturi meter, and again measured, after passing through the wheel, on a ten-foot wire, two hook gauges being used, one on either side. The head on wheel is measured in columns in the tower, while the power developed is shown by the weight on the brake and the number of revolutions. The tests made were not as exact as could be desired, but as the students become more familiar, better results may be expected.

WASHBURN ENGINEERING SOCIETY.

The regular meeting of the Engineering Society held at the laboratories, Monday evening, May 6th, was largely attended.

The meeting was called to order a few minutes after eight o'clock by President Clement, and after the reading and approving of the minutes of the previous meeting, T. F. O'Connor, '96, was elected to membership. The President then announced the speaker of the evening as Dr. Mendenhall, and the subject, "Measurements of Precision." We here give a brief abstract of the lecture:

"The first form of measurement of which we have any knowledge is enumeration. It has been found that savage races, while they have the power of enumeration, have no conception of any magnitude greater than four or five units; that is, any number of objects greater than five appears to them as large as a thousand or a million. Among our own people, the number of distinct objects which may be recognized at a single glance and enumerated with accuracy, is perhaps about the same for all, and strange as it may seem does not exceed four or five. Experiments have proved this in many instances, one interesting method being to place a white disc, upon a black table, the observer having the eyes fixed upon the disc, and small black balls being then thrown into the air and allowed to fall upon either disc or table, those falling on the disc being immediately enumerated by the observer. By this method it is found that the ordinary person will name with accuracy the number, if below five, but will often make mistakes if the number be large.

"The next measurement of magnitude depends upon other magnitudes, by calculation only, as for instance the diagonal of a square or the ratio of the circumference of a circle to the diameter, where the degree of accuracy is limited only by the labor devoted to the calculation. This is illustrated by the ratio of the diameter to the circumference, discovered by Archimedes, which is \( \frac{\pi}{4} \). To show the accuracy of this relation, take a circle one inch in diameter and \( \frac{\pi}{4} \) of the diameter is only the thickness of a human hair in excess of the circumference.

"The value of \( \pi \) has been computed to 600 places and of the inaccuracy of this constant we can form but little idea. A circle with a radius equal to the distance between the earth and sun, that is roughly 92,000,000 miles, does not afford a circumference capable of measuring the inaccuracy, and it is not till this imaginary radius has been multiplied by a million raised to the 98th power that the inaccuracy is the thickness of the human hair.

"Another method, the 'Statistical Method of Treatment,' is illustrated by the records kept by one of the largest railroads in the country, as to the number of accidents that happen annually. By means of these records the officials are enabled to predict the number of employés, the number of passengers, and others that will be injured during the year. But their calculations go beyond this and they can state how the accidents will occur, so many in coupling cars, so many in falling from the train, so many will injure a hand or so many a leg. The company even goes so far as to set aside a certain sum annually in view of these accidents.

"Perhaps the most important of all measure-
ments is by means of units, and among the qualities of units the following are essential:

"First, the unit must be of the same nature as the magnitude to be measured, although there are some exceptions, for instance, distance is often given in terms of time, that is, a place is an hour's walk, Boston is one hour distant, or New York is five hours; or perhaps it is given in terms of money, as it is one dollar to Boston.

"Second, it must be easy of use and application.

"Third, it must be as far from variable as possible.

"The difficulty in fulfilling the last of these conditions is very great, for when the unit is of metal correction must be made for temperature, and it is difficult to obtain the temperature of metal. The molecular changes of the metal also affect the length. The bronze copy of the English standard yard, which is carefully preserved at Washington, has actually changed its length in the past few years, whereas the copies made of other metals have apparently remained more constant. A unit of length which has been used in recent surveys in this country with marked success, is made of steel, and is immersed in ice to prevent changes in temperature. Wood boiled in paraffine till nearly double its weight is attained by absorption, is found to be less susceptible to moisture and has been introduced lately for levelling rods in order to avoid correction due to changes in temperature of metal rods.

"Of the fundamental measurements, of length, mass and time, the most accurate can be obtained of mass. Under the most perfect conditions, for short lines (about one metre) measurements to about \( \frac{1}{100000} \) have been obtained, while for long lines (about a mile) an accuracy of perhaps \( \frac{1}{1000000} \) has been obtained.

"In mass under most favorable conditions, \( \frac{1}{100000} \) or perhaps \( \frac{1}{1000000} \) would express the degree of accuracy. In Paris while weighing some copies of the standard unit of mass, the kilogramme, there was a difference in weight between two groups that could not be accounted for, until it was discovered that one of the weights had accidentally been placed on top of the other instead of beside it in the scale pans, thereby making it about one inch farther from the centre of the earth than the one it was compared with; this slight difference in the centre of gravity had made a difference which the delicate scales had detected. The unit of time is practically invariable as two of the causes tending to alter the period of rotation of the earth on its axis counteract one another and the day remains constant. The tidal wave tends to re-

tard the progress of the earth in its revolution, while the contraction of the earth itself, owing to its cooling, tends to increase the velocity.

"It was proposed at the time of the French Revolution to adopt a decimal system for the division of time, but the attempt failed; recently French scientists have again attempted to establish this division of the day and also of the angular units, the circle being divided into quadrants, each quadrant to be divided into 100 degrees, the degree into 100 minutes, and the minute into 100 seconds. It is not probable however that this division will be effected for some time, although its advantages are obvious."

The meeting adjourned at quarter past nine, somewhat earlier than usual.

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**LOST THEIR FIRST GAME.**

The Tech Reserves Beaten in North Brookfield by the Home Team.

The W. P. I. Reserves went to North Brookfield Saturday afternoon, May 4, and were defeated by the North Brookfield Juniors by a score of 18 to 11. It was the first game of the year for the Reserves, and, considering the fact that three of the best players did not accompany the team, they made a very creditable showing. Chambers pitched and did fairly well, although he was inclined to be wild at times. Leland gave him good support. Booth played a great game in centre field, making two beautiful catches of difficult high flies. In the fourth inning Leland, while running down to second, collided with Howe, and was partially stunned, which delayed the game for several minutes. The game was witnessed by about 500 spectators, who cheered for the home team at every opportunity. The Worcester team left the city on the Spencer elecric, where they were met by a barge, which conveyed them over to North Brookfield. They returned the same way, arriving in this city shortly after 10 o'clock. The score:

**NORTH BROOKFIELD.**

<table>
<thead>
<tr>
<th></th>
<th>A. B.</th>
<th>R.</th>
<th>T. B.</th>
<th>P. O.</th>
<th>A.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Murphy, c.f.</td>
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<tr>
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<td>18</td>
<td>14</td>
<td>17</td>
<td>27</td>
<td>3</td>
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had the other players done as well as their captain the Tech boys would have left the field a defeated and disgusted set. He gave Todd, the pitcher, excellent support, but one man alone cannot pull out a game, however well he plays, and this was exactly the case with Sullivan.

Todd, who was in the box for the first seven innings, was an easy mark for the Tech men, and only one man was struck out by him. In the seventh inning Read, who had been playing right field, was substituted, but the change availed little. The weakest point on the Aggie team was at short, where Warden failed to accept half of the chances offered him to retire men. Clark, at first, could hardly be called a success either, although he played a fairly good game at the bat.

The home team batted around in the first, third and eighth innings, while only in the ninth inning did nine men go to the bat for Aggies. The score gives all the necessary details:

<table>
<thead>
<tr>
<th>W. P. I.</th>
<th>A. B.</th>
<th>R.</th>
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<th>P. O.</th>
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<td>14</td>
<td>15</td>
<td>23</td>
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<td>19</td>
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Innings | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
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<td>4</td>
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<td>4</td>
<td>3</td>
<td>6</td>
<td>29</td>
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</table>

Earned runs, W. P. I. 13, Aggies 6; two-base hits, Knowles 2, Bunker, Warren, Marshall; three-base hit, Harris; stolen bases, Philpot 4, Zaeder 5, Knowles 1, Bunker 2, Harris 3, Cullen 3, Sibley 1, Stevens 2, Clark 2, Todd 1; first base on balls, Philpot 4, Zaeder 1, Bunker 1, Harris 1, Cullen 1, Sibley 1, Read 1; hit by a pitched ball, Philpot, Cullen, Sibley, Todd; first base on errors, Tech 9, Aggie 8; struck out, Knowles 1, Cullen 1, Stevens 3, Warren 2, Sullivan 1, Read 3, Marshall 2; passed balls, Philpot 1, Sullivan 2; wild pitches, Martin 2, Todd 1. Time of game, 2 hours 25 minutes. Umpire, George C. Gordon.

*Zaeder out for interference.
†Warden hit by batted ball.

A VERY POOR GAME.

Techs defeated Aggies Saturday, May 4, at the Oval, by the large score of 29 to 18. It was decidedly the worst game the team has played this year. There was not a brilliant play made on either side, but muffed flies and wild throws were frequent occurrences by both teams.

It was the third victory for our team, but it will be the last if the boys do not take a brace. We will not attempt to give a detailed score, but simply cite a few features, unredeeming though they may be.

It was an off day for almost every member of the Tech team. Martin was never hit so hard as in this game. All but two of the opposing players made hits, and two of them made four singles. He had good control of the ball, however, and was at times quite effective, striking out during the game 11 men, while he only gave one player his base on balls. At other times he was hit freely, which, with costly errors by the fielders, piled up the runs.

Philpot caught in place of Fisher, who is suffering with a strained tendon that will prevent him from playing for several days. Considering that Philpot has not played in that position for nearly two years, he did remarkably well, and threw to the bases with great accuracy—a thing that can hardly be said of the other players. The only redeeming feature of the Tech playing was their base running and hitting. In the former Zaeder and Philpot especially distinguished themselves, having no less than five and four stolen bases to their credit. In hitting Captain Zaeder led the other members of his team, although Harris got in three clean hits, with a total of six.

For the Amherst men Captain Sullivan was easily the star, and played a hard up-hill game.

W. P. I. RESERVES.

<table>
<thead>
<tr>
<th>A. B.</th>
<th>R.</th>
<th>B.</th>
<th>T. B.</th>
<th>P. O.</th>
<th>A.</th>
<th>E.</th>
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<tr>
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<tr>
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<td>1</td>
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<td>Total</td>
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<td>14</td>
<td>21</td>
<td>27</td>
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</table>

North Brookfield: 1 6 4 0 3 4 0 0-18
W. P. I. Reserves: 1 0 2 3 2 0 0 3 0-11

Two-base hits, Leland, Walls, Chambers, Murphy, Dupre, Taylor; three-base hits, Ferry, Lamson; first base on balls, by Chambers 3, by Taylor 1; hit by a pitched ball, Murphy; struck out, by Chambers 6, by Taylor 4. Time of game, 1 hour and 45 minutes. Umpire, Daniels.
THE FIRST DEFEAT.

Tufts administered the first defeat of the season to our ball team last Saturday. The final score was 20 to 8. The game was a decided contrast to that which was put up down there last year when Tufts were defeated 6 to 0.

Martin pitched a fairly good game, and had he been given good support, the score would have been different. Tufts made all but five of her runs in two innings by wretched fielding by Tech, together with a bunching of hits by Tufts.

Tufts went first to the bat and Corridon, the first man up, brought in a run. He reached first on Philpot’s fumble, went to second and then to third on sacrifices by Johnson and McGuire, and scored on Cullen’s fumble of Smith’s hit. Tech evened up the score in the last half. Philpot got his base on balls, as he has done so many times this season, and stole second. The catcher threw wild to second to get him and Philpot reached third and scored a moment later on a short passed ball. In the second inning Ray, Clark and Corridon crossed the plate after two men had been retired, and Sibley, the centre fielder, was responsible for the runs. Ray sent up a high fly that Sibley let go through his hands. Clark was given his base on balls and each were advanced a base. Ray stole third, and Clark ran down to second. Both scored on Corridon’s hit, and he himself scored on Sibley’s fumble of Johnson’s fly. Bunker was safe at first on Holdbrook’s error, and stole second. He went to third on Cullen’s sacrifice, scoring when Sibley lined out a two-bagger. Fisher sent Sibley to third on a sacrifice, and enabled him to score on Martin’s hit.

Both sides were shut out in the third, but in the fourth Tufts made seven runs, batting around and two men over. Ray led off with a hit. Clark got his base on balls. Corridon was hit. Johnson was safe at first on Martin’s error. McGuire was also hit. Smith and Pierce got their bases on balls, which, with a two-base hit by Richardson and a single by Holdbrook, netted the runs. Tech tried hard to increase her score in her half of the inning, and after two men were out, succeeded in getting two of the base runners across the plate. Cullen, the first hitter, found the ball for a base, and stole second and third, Sibley fled out to right and Fisher waited for four bad balls and then Martin struck out, making it look rather doubtful for Tech to score. But Philpot was equal to the occasion, and got in a beautiful hit to right, that sent in the men on bases.

Both sides were shut out in short order in the fifth and sixth innings, seven men coming to the bat for each side. In the next inning, Clark crossed the plate on his own hit, two successful steals and Johnson’s hit. Tech fared a little better in the inning, and scored two runs. Knowles hit safely, and stole second. After Zaeder struck out, Harris made a hit, sending in Knowles. Harris stole second, went to third on an error, scoring on Bunker’s hit, who stole second and third, but was left, as Cullen fled out to first base, and Sibley struck out.

Tufts further clinched her victory in the ninth when she piled up eight more runs. Ray, Corridon, Johnson, Richardson and Holdbrook made singles, Pierce and Clark got in doubles, which with a base on balls to McGuire, and several errors by the Tech players, did the business. Knowles made the last run of the game in his half by his own two-base hit, Zaeder’s sacrifice and Harris’ hit.

The summary follows:

<table>
<thead>
<tr>
<th></th>
<th>A.B.</th>
<th>R.</th>
<th>B.T.B.</th>
<th>P.O.</th>
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<td>Tufts</td>
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<td>11</td>
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### ATHLETIC ASSOCIATION.

May 14th, 1895.

The Executive Committee of the Worcester Polytechnic Institute Athletic Association, see-
ing that at the present time there is only $45.20
in the hands of the Treasurer and the amount
owed on bills due is $104.65, and, further, that
$100.00 more will be required to meet the ex-
 pense that will be incurred before the close of
the season, have decided that after Saturday,
May 18th, all athletic contests must be discon-
tinued until $160.00 shall have been received by
the Treasurer of the Association. If it is your
desire that the athletic contests should not be
discontinued, you are requested to sign your
name to this paper and state the amount you
will give to the Athletic Association.

ALUMNI NOTES.

'82. Mr. William S. Washburn has asso-
ciated himself with L. R. Churchill under the
firm name of Churchill & Washburn, Engineers
and Sanitary Plumbers, 11 Crescent Street,
Brockton, Mass. They make a specialty of
heating and steam power plants, and also equip
factories with automatic fire-sprinklers.

'94. F. H. Nye is draughting for Norcross
Brothers.

TECHNICALITIES.

The main casting for the 120-inch face lathe
has arrived at the Shop. The patterns for this
lathe were made by the class of '97.
The Allis-Corniss engine, which is one of the
three to be installed in the new power house has
come and will be set up in the near future.
The two travelling cranes presented by the
Morgan Construction Company, have been put
in place and one is now in working order, ready
for use in setting up the heavy machinery.
The meeting of the Tennis Association was
erroneously reported in our last issue, no elec-
tion of officers having taken place.
Prof. Kimball recently distributed copies of
two Westinghouse "Standard Apparatus,"
and "Standard Railway Apparatus" Catalogues.
The illustrations, which are very fine, are from
The Freshmen have begun Foundry Practice.
Ex-President Fuller, now President of Drury
College, gave two addresses in the city on
Sunday, May 12.
The hot weather made havoc with evening
study.
The dining saloon in the basement of Boynton
Hall has been unfrequented since the warm
weather permitted out of door dinners.
It is not as yet generally known whether the
80 per cent. rule will hold this half or not.
Those who have worked for the coveted four-
score are earnestly hoping that they may obtain
their reward.
The class of '99 is hard at work trying to get
in, while the class of '95 is working still harder
to get out.
The class of '98 held a meeting May 13, and
voted to challenge the class of '97 to a baseball
match, to be played soon after the Intercollegiate
Sports.
The Freshmen have begun Solid Inventional
Geometry.
Ross, '96, caught cold in his eyes and has
had to leave for home.
Junior B has been losing a good many recita-
tions in mechanics on account of holidays.
Efforts are being made to have extra ones as
this is a very important subject.
C. C. Chalfant, '97, is rapidly convalescing
from an attack of appendicitis.
Fuller, '96, recently solved a problem in Cal-
culus which had never been solved "since the
Institute began." This probably accounts for
the extra strut visible on '96 men of late.
R. S. Riley, '96, led the Y. M. C. A. meeting
Tuesday noon.
The annual banquet of the Intercollegiate
Press Association takes place Saturday evening,
after the races.
Hon. George F. Hoar, G. Henry Whitecomb,
Hon. Stephen Salisbury and President Menden-
hall inspected the new testing station at Chaffin's
last Friday and saw the plant in operation.
The president's house is rapidly nearing com-
pletion.
The street opposite the engineering labora-
ory is being graded by the city.

COLLEGE NOTES.

The University of Chicago recently pur-
chased the library and manuscripts of the his-
torian George Bancroft, at a cost of eighty
thousand dollars.
The tuition fee at Dartmouth will be raised
to $100 at the beginning of the next college year.
The Ohio State University has recently ac-
cepted a gift of $10,000 to found an astronomi-
cal observatory.
It would take a student 70 years to go
through all the courses at Harvard.
The Yale Freshmen have been forbidden to
play baseball with outside teams as a punish-
ment for a disturbance created.
Lehigh will have few professional coaches
hereafter as she intends to rely upon her gradu-
ates.
The oldest college in the world is probably the Mohammedan College of Cairo, Egypt, which was 2800 years old when Oxford was founded.

An Athletic Association is being established at Vassar.

The average of college expenses at Yale is about $535.

The Annual Intercollegiate Tennis Tournament began at Harvard last Saturday.

Oxford, the largest University in the world, has 21 colleges, 5 halls, an income of $6,000,000, and 12,000 students.

Ex-President Seelye of Amherst, whose son met so sad a death recently, died this week.

A strong effort is being made at Princeton to secure recognition for work done on the college paper. It is proposed to count the work as an equivalent for an elective course.

The famous Hasty Pudding Club of Harvard is 100 years old this winter. An elaborate centennial will be observed during centennial week.


The Yale-Harvard whist tournament will be held at Cambridge, on May 22.

The annual games of the dual league between Harvard and Yale will be held at Cambridge, the same day as the N. E. I. A. A. meet.

The students of Tufts college are to give "Ralph Roister Doister," the first English comedy ever written, June 6.

An oratorical boom is going on down at Yale. An almost unbroken succession of defeats is probably responsible for it.

THAT CLICK.

You may talk about how music makes one's heart grow sad or gay;
How the whip-poor-will's sad calling,
Gives a fellow that weird feeling;
But there's nothing stirs me more
Than that "click click" when the postman drops a letter through the door.

When, however, I am busted
And my check is overdue,
When a dollar seems a hundred
And I haven't got a sou,
Then that click is sweeter music,
Sweeter than the sweetest chimne,
For it says that here's my money
And it'll once more know the time.

I'll not speak of when I'm waiting
For a dainty scented note,
Telling me if she's offended
At the way in which I wrote;
But I'll simply say about it
That there's nothing stirs me more
Than that "click click" when the postman drops that letter through the door.

—Harvard Lampoon.

In a lecture on Physics, Jags heard,
"With one glass two objects you see;
While with two you see four,
And with three several more;"

But he thought, "It takes more to queer me."

—Trinity Tablet.

Hark: on the Campus loud resound
Sounds which echo round and round;
Stroke on stroke with ringing blow,
While behind the home-plate, low
Bending
stoops
the catcher.

Is it the sound of dreadful war?
Or tumult fierce and cannon’s roar?
Is it the thunder from above?
Ah no; it's
The catcher
pounding
his glove.

—Ex.

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