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Students of Worcester Technical Institute

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Vol. IX. Thursday, May 26, 1893. No. 4.

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Attention is called to the communication by a Ninety-four man in another column. It is interesting as it challenges a statement made by a graduate who received his technical education first and has since had practical experience, and is from one who had his practical experience first and is now receiving his education here.

It seems to us that the conduct of the Techs at the High School field sports was not exactly what should be expected from college students. The yelling was all right and good and they seemed to need it, but when it came to getting into a “scrap” with a crowd smaller than ours and composed of younger fellows, and destroying a banner just for the fun of the thing it came altogether too near being disgraceful.

The Burlesque is a thing of the past. After long and hard work for some and after only waiting and expecting for others the “Tech Show” of the winter ’92-’93 became a reality. As a whole it was a decided success. Of course there were a great many things which could be learned only by experience but which have been learned and which will be of great benefit another time. Some have been heard to remark that they were rather disappointed, but if people persist in setting their minds on impossible things, they must take the consequences and it will be their own fault if they are disappointed. Another year, if anything of the kind is attempted, the performance should come off at about the time preparations were begun this year. Having the date so late seriously affected the athletics which the Burlesque was primarily to aid. Also, those who attempted to attend the rehearsals regularly and at the same time pay any attention to the other things besides studies, which occupy the minds of Techs and are so numerous in the spring, found themselves getting way behind in their studies. Then there are other little details which would probably be changed another year; the choice of seats for instance would be sold at auction.

However, the management and those others who took part may feel perfectly satisfied that the public in general were very well pleased and that a reputation to be proud of, of the Techs’ ability in a dramatic line has been firmly established, and that a good sum was placed in the treasury of the athletic association for the benefit of the Intercollegiate team, and what else could be asked for?

Fifth place, almost sixth, and what was the matter? We will not try to tell for there were too many reasons. Everyone ought to feel it a disgrace or so much so that
next year everyone will make an individual effort to bring out all the material there is in the Institute. This year Mr. Rawson has been handicapped in almost numberless ways, but he has done the very best he could every time and surely deserves nothing but commendation for his efforts. The work of each man who has done faithful training and who contested Wednesday, no matter whether he took a place or not, is fully appreciated by most of the students, by all those, anyway, whose appreciation amounts to anything. The work of Parker, ’93, is especially creditable considering the circumstances. For a man to go in the two-mile run with absolutely no training and run the race that he did, is little less than wonderful.

Another year we must not be satisfied until every man who has any ability at all has been brought out, put in training and given a good trial. Then if we do nothing or little it will be time to lament, but while there is material in the Institute that is not being used we had better keep pretty quiet and be thankful for fifth place.

IN PHILADELPHIA.


On reaching the City of Brotherly Love we at once repaired to the Drexel Institute. President MacAlister was, fortunately for us, disengaged, and insisted upon his personal conduct over the premises. To his apparently exhaustless courtesies we are greatly indebted. The Institute is located on Chestnut St., a little west of the Schuylkill river, in the very centre of the thickest of the houses of the city, and is to the people of Philadelphia as accessible as is Cooper Institute on Astor Place to the citizens of New York City. It was opened only fifteen months ago, and is not yet completely equipped.

The building erected for its use is 200 feet square, of the Italian style of architecture, three stories in height besides ample basement and attic, plain without, but with a loggia, or staircase court, in the interior which is furnished with columns and wainscot of Georgia marble, and panelled ceiling finely decorated. There are broad skylights and a superb chandelier for illumination, so that not only this inner court, but also the rooms adjoining are lighted from within as well as from the exterior windows.

The first floor is devoted to a large auditorium, a library and a museum. The last room contains some of the finest porcelains, Japanese ivory carvings, and embroideries that I have seen in America. The second and third floors afford space for lecture, drawing and art-work rooms and laboratories, and a part of the attic is fitted up for the classes in clay-modelling, water coloring and photography. There are both day and evening classes in some of the subjects taught, and the whole work is arranged quite as much to meet the needs of young women as those of young men. The unique courses are those in millinery, dress-making, cookery, type-writing, wood-carving, decorative painting, stained-glass work, and hygiene and sanitation. There is a good chemical laboratory and a small one for experimental physics. A wood-room to accommodate thirty benches is fitted up in the basement, and lathes and other machine tools will be supplied during the ensuing vacation. A mechanical drawing room with fifty stands has two sets of classes and other rooms are occupied in the same way. The magnificent provision made by the founder was none too broad. Every course so far as opened has been practically filled, and next year the building will be crowded. While Mr. Drexel has erected the building, and furnished most of the equipment, besides giving a million of dollars to be sacredly reserved as an endowment, others, as Mr. and Mrs. Geo. W. Childs, and Dr. Williams have cooperated, and have furnished rooms or added valuable cases to the museum. Mr. Childs has been Mr. Drexel’s wise and unfailing adviser.

A few weeks ago the most celebrated portrait painter of France, Mons. Benjamin Constant, visited this country to execute a few commissions. Two of them were the painting of the portraits of Messrs. Drexel and Childs for this Institute. I am told that he spent not over fourteen hours on both pictures. For this work, acknowledged by all to have been superbly done, he received the sum of $10,000.

Only a few blocks away from the Drexel Institute is the University of Pa. It has old buildings and new. Among the latter are a fine library and the new edifices for the Towne Scientific School. These are not large nor yet fully equipped.

In the wood-room are fifteen benches; in the iron-room eleven vises, one engine-lathe, one upright drilling machine, one planer from Whitcomb & Co., Worcester, and three speed lathes from W. C. Young & Co., Worcester. The power is furnished by a small Hamilton-Corliss engine, and a Porter-Allen engine with a Deane
steam pump, are available for experimental steam testing.

The electrical department has a larger Porter-Allen, and a compound Worthington engine and four dynamos, viz. one each of the Edison, Thomson-Houston, Westinghouse and Brush systems. The laboratory space for both mechanical and electrical work is not more than one-fourth of that provided at Worcester. Five courses of study exactly correspond to our own courses, except that a general course in Science requires five years for its completion. The other technical courses are four years in length.

Prof. Cope's room bore evidence that his last lecture had been upon evolution and that the genesis of the horse had been one of the factors considered. Few students were about this Saturday afternoon,—base-ball and other sports properly claiming their attention. H. T. F.

COMMUNICATION.

To the Editor of the W P I:—

During the discussion of Mr. Powell's paper, "Economics of Shop Management," at the last meeting of the W. M. E. Society, remarks were made by some of the graduate members to this effect: "While the study of German, Calculus, and Political Economy taught at the Institute were good enough in their way, they were of little use in practical life and how much better it would be if more time were put into the study of Shop Government and less into the studies named." Such statements are direct criticisms to the government of the faculty and should not be permitted to go by unanswered.

As the academic graduate looks back upon his course in fitting school and sees the many places wherein if he had been more observant and attentive his college life would be more successful, so the college graduate looks in retrospect upon his higher school life and sees wherein if he were to repeat the latter course how much more valuable he could and would make his practical life. In both cases, ten to one, the man has no one to blame but himself. There is a tendency prevalent among graduates to criticise too sharply their Alma Mater.

As is well known students do not attend college for the purpose of storing their memories with facts to be called upon when circumstances demand, but to discipline their minds. This can be done only by the students working on such studies as will develop their minds, and what better studies are there for this purpose than those named? It will be conceded little mental growth comes from attending lectures alone, but from the after study of the subject.

The study of Shop Government is an excellent thing and of priceless value to a Mechanical Engineer—but is it not already to be had right here at the Institute by the wide-awake student? To be sure it is not mentioned in the school catalogue as one of the studies pursued—nevertheless Shop Government is right here among us and good government too. Among all the graduates how many can tell any of the principal points of management here? How many know the method of keeping the workmen's time, how often their pay-day comes, how the orders come from the superintendent down to the workman, the system of marking and keeping on file the mechanical drawings? And these are but simple questions. Is it fair to plead ignorance of Shop Government when I venture to say not seventy-five per cent. of the mechanical graduates can answer these questions? There are manufacturing concerns in this city at the head of which are graduates of this Institute and in my eight years of shop life, during which time I have seen machine shops in Canada, England and the United States, I have rarely entered workrooms in worse condition or where such little care was shown for the tools. I have also been in machine shops in this and other cities where W. P. I. men were in control and in which it would be a pleasure to work, since order and system were the first laws there. Right here is shown the observance of the student while at the Institute.

It rests in the hands of the head foreman or Master Mechanic as much as in those of any other of the executive department of a large establishment to make the year a financial success or failure and it is to these and similar positions our students aspire. How essential then that they should keep their eyes open to all the privileges which are theirs.

Mr. Powell's method of treating his subject was excellent, especially so from the fact that while it pointed to the ideal shop still his ideas were not Utopian. His remarks in regard to relations between help and employer are well worth the consideration of every one having charge of help.

But the query is raised, "Why is not Shop Government taught at the Institute?" There is no reason why a few lectures could not be given and I am sure the Superintendent would be glad to devote an hour from time to time to this subject during shop-practice if the students were to ask him.

This letter is not handed to the Editor in any spirit of criticism but with the endeavor to reply to the statements made by the graduates. On second thought would they shorten any of the present studies or would they open their eyes to the privileges which were already theirs?

Charles F. Perry, '94.
A GLIMPSE OF THE DAILY ROUTINE ON BOARD A REVENUE CUTTER.

Very few persons outside of those actively engaged in the seafaring professions, have any idea of the life of incessant industry carried on, on board of all vessels, but more particularly on board of those belonging to the government. It is a time-honored adage among naval officers that if a sailor is kept busy he will be contented and this ancient custom is carried out to the letter. We are all, doubtless, familiar with the "sailors' commandments,"

"Six days shalt thou labor, and do all that thou art able;
On the seventh—holystone the deck and scrape the cable."

The holystoning process referred to consisting in dragging a large stone, weighing perhaps seventy or a hundred pounds, back and forth over the decks, until all dirt and stains are fairly ground out. This is done from two to three times every week.

The first step in the daily routine is the calling of the ship's cook at 4 A.M. He starts the fire in the galley and gets the breakfast for the crew. At two bells (5 o'clock) the crew are called and also the first officer. Then a time of "house-cleaning" begins. The decks are scrubbed with wire brooms, and salt water soap, and possibly holystoned, if it is the regular day for it. The house work is carefully cleaned with swabs, and the decks gone over with squillgееs to remove what water remains.

At four bells the crew have breakfast, and a cup of coffee and toast is carried to each officer's room. At seven bells (7.30 A.M.) the officers are called, and at eight bells (8 o'clock) the first officer descends to the cabin, and reports "eight bells" to the captain. When that worthy says "Make it so," it is eight bells, and not before. As the sailors have it, "God Almighty makes the time, but the captain makes eight bells," and that exactly describes the state of affairs. At eight bells the officers breakfast, and the first officer, who has superintended the cleaning of the ship, turns over the deck, as the phrase runs, to one of his subordinates, who takes the watch till twelve. After breakfast the officer of the deck superintends the cleaning of the brass-work, cannon, etc., and sees that all needed work on the masts or rigging is attended to.

At four bells (10 o'clock) all hands are called for drill. It may be general quarters, fire quarters, drill with the great guns, or with small arms, target practice, etc., just as the day may be, for each of these come in regular order.

"Ten minutes to twelve, sir" is reported to the officer of the deck, who replies "Spread your mess gear," or in plain English, set the tables. At five minutes of twelve the master-at-arms, one of the petty officers, brings a plate of the men's dinner to the officer on watch, who gravely tastes of each article. Eight bells (12 o'clock) is again reported to the captain, and the order given "Pipe to dinner." At two bells "Turn to" is ordered, and the men go to work again, and the officers take their dinner. In the afternoon matters run very smoothly, and with the exception of the call for "sweepers" nothing happens to break the monotony of the afternoon. The men are kept busy at something, either in the rigging, scraping the masts, scraping and repainting different parts of the vessel, or any of the thousand and one jobs that can be found on any ship. At two bells (5 o'clock) they go to supper, and during the second dog watch, from six to eight, have their time to themselves. Usually there are some musicians among them, and very good music is often heard. Sailors are always dancers, and with few exceptions graceful ones. At eight o'clock, once more eight bells, and as such reported to the commanding officer, the reports are handed in. The carpenter, boatswain, and master-at-arms report everything secure in their respective departments; the cook reports, "fires out and everything secure," and the engineer on watch reports everything secure in the engine-room. These reports are made to the first officer, and by him are transmitted to the captain. The watches are set; the anchor watch, one man on the forecastle, a quarter-master at the pilot-house, a fireman in the fire-room, and an oiler in the engine-room. These watches are relieved every four hours. Also the hammocks are given out, and the men get into them whenever they see fit; at 9.30 p.m. all lights are out on the berth decks, and everything is quiet on board ship. The officers retire when it suits their convenience, and at 4 A.M. the cook is called, and the same routine gone over again, and so on ad infinitum.

THE BURLESQUE.

After months of expectation and anxiety, the Burlesque became a fact on May 12th and 13th, and passed into history as the most successful thing of the kind ever attempted at the Tech. For any body of students to conduct an entertainment, involving so great an amount of labor and care, is creditable in the highest degree, but it seems beyond belief that it should have been accomplished at the Institute, every tendency of which is in a great degree practical and all the traditions of which apparently showed such a thing to be impossible. Too much can not be
said in praise of Mr. Marshall, who not only arranged the original music, but was really the author of the Burlesque. Messrs. Rood, Phinney and Parker have devoted much time and labor in arranging the Burlesque, besides attending to the numerous details of management.

The weather on Friday evening was all that could be desired and an audience of Techs and their friends filled the floor and the balcony completely. The Freshmen seemed to have forsaken all time-honored customs and consequently the gallery was only partially filled.

After a short wait, the curtain rose and a chorus of neighbors who favored the audience with a song, after which, Charles Baker, Jr., as the widow, came in accompanied by Harry L. Phillips as Michael J. Flaherty. The latter at once proceeded to reveal the poverty and troubles of the widow in a song which was very well received.

After numerous hits, the chorus retired and four of the neighbors' children came in to cheer up the widow. They were dressed in pink costumes and carried reversible dolls. The manner in which they danced and rendered the famous Baby Song was so satisfactory that they were obliged to respond to an encore. Charles Needham as Jack, then appeared and departed to sell the cow. During his absence, Henrique Da Cruz and C. W. Dyer as Saracenedsca Bolero and Black Beauty diverted the audience with songs and advertising a patent corn cure, which relieved all human ills and even could be used for salad dressing. Jack soon returned and announced the sale of the cow for a plate of beans. His mother's horror was scarcely lessened when she learned that he was going to depart from the customs of Tech graduates, and intended to turn his attention to agriculture. A good fairy appeared opportunely and granted wishes impartially.

The second scene displayed a gigantic beanstalk, which met the approval of even the local agriculturists. Jack however took it in a matter of course manner as a result of a technical education. He at once proceeded to ascend the bean-stalk by means of a Washburn Shops elevator which undoubtedly surpassed in speed any elevator ever constructed at the Tech.

Act second was in fairy land and was even more successful than the first. A numerous and charming chorus of fairies entertained the audience with a song and dance. Jack appeared on the scene and by a "lightning" transformation act was soon robed in the raiment of fairy land. Jack and the fairy queen then seated themselves on a rustic throne and were amused by the Amazon March rendered by two startling female warriors, who marched and fought in a blood-curdling manner. The Banjo Club arrayed as demons stealthily crept onto the stage and gave two selections. Flaherty appeared and with Jack departed to attack the wicked giant in his castle.

In the second scene, Jack and Flaherty amused themselves with the giant's talking harp. At the arrival of the giant, they hastened to conceal themselves. The giant, Joseph H. Wallace, and Louis K. Brennan as his servant, Wah Shing, furnished amusement by their songs and acting, after which the giant ordered his ballet. The ballet, consisting of six pierrettes and six pierrots, was undoubtably the hit of the evening. The graceful dancing caught the attention of all and many acts, scarcely attempted by professionals, were given in an excellent manner. The ballet was so well received that the dancers were obliged to return. Wah Shing made himself useful by carrying the flowers sent to the members of the ballet. He also received abundant applause for his song, "The Clat Clame Back." The giant heard Jack and Flaherty in their concealment and immediately wilted in spite of the urgent demands of his better half to speak the magic words. Jack and Flaherty appeared and were saved by the arrival of the fairy queen and her attendants.

In the last act, three brakemen appeared on Washington Square and swung their lanterns in the moonlight with good effect. After a couple of touching love scenes between Jack and the fairy queen and Flaherty and the widow, the chorus came in and everything ended happily.


The Banjo Club was represented by Harry Boyden, H. J. Chambers, A. J. Gifford, W. E. Carroll, H. W. Leland, C. G. Harris, L. De V.
Magaw, T. F. O'Connor, T. Lamson, E. A.
Gage, and F. B. Fisher.

On Saturday night there was even a larger
house than on the previous evening. In the
first scene, when the neighbors were about to
drink, some amusement was caused by the lights
going out for a moment. On the whole, the
Burlesque probably ran a trifle more smoothly
than on Friday night, but the difference was

**WESLEYAN vs. W. P. I.**

The Tech team played a return game with
Wesleyan last Saturday afternoon, at Agricultural
Park.

The story is quickly told: it was simply a
walk-over for the visitors. The creditable show-
ing that Tech made at Middletown led us to be-
lieve that the return game would be worth wit-
nessing, but the team went all to pieces
and allowed Wesleyan to score fourteen times in six
innings, while only two runs crossed the plate for Tech.
There was not one earned run during the

To begin with, no pitcher showed up at 3
o'clock, and Mr. Viles, who was present as a
spectator, was put in the box. His work was
very creditable considering the circumstances,
but he received no support from the team.
Lincoln proved to be a stone wall in left field,
capturing three flies. Perkins also played a
good game at second.

It is evident that the team needs practice to-
gether, for it is well known that some of our
players are as good as can be found in the city,
but it is team-work that counts. The attend-
ance was poor. The score:

**WESLEYAN**

<table>
<thead>
<tr>
<th>A.B.</th>
<th>R.</th>
<th>B.</th>
<th>H.</th>
<th>S.H.</th>
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**W. P. I.**

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**Earned runs**

- Wesleyan
- Tech

Double plays:
- Harris and Zader, Zader and Perkins
- Base on balls

**Totals**

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**TECH FIELD SPORTS.**

Probably not as much interest as usual will
be shown in our field day this year. It will
seem on rather a small scale in comparison with
the Intercollegiate meet. However, there will
be some good work done, and class enthusiasm
will run high. Ninety-five is looking confidently
for the class banner. Following is a list of
entries in the different events.

**220-YARD DASH.**

- Derby '93, Andrews '93, Allen '94, Proctor,
- Stone '95, Killam '95, Denney '95, O'Connor
- Harrington '95, Brigham '95, Morse '95,
- Pickwick '95, Philpot '96, Merriam '96.

**220-YARD HURDLE.**

- Andrews '93, Allen '94, Harris '94, Field
- Davis '95, Stone '95, Ware '95, Brigham
- O'Connor '95, Killam '95, Albertson '95,
- Mayo '96, Harris '96, Merriam '96.

**880-YARD DASH.**

- Derby '93, Heald '94, Butterfield '93, O'Connor
- Farwell '93, Clement '95, Baker '93,
- Harrington '95, Coombs '93, Albertson '93,
- Gallagher '94, Field '95, Allen '94, Merriam '96,
- Linne1 '94, Harris '96, Harris '94, Whitall '96,
- Gordon '94, Stone '96, Cunningham '96.

**120 HURDLE RACE.**

- Andrews '93, Gallagher '94, Field '95, Davis,
- H. S., '95, Stone, F. L., '95, Albertson '96,
- Mayo '96, Harris '96.

**100-YARD DASH.**

- Derby '93, Andrews '93, Allen '94, Proctor,
- Stone, F. L., '95, Killam '95, Denney, '95,
- O'Connor '95, Brigham '95, Morse '95, Pickwick
- Philpot '96, Merriam '96, Happgood '95.

**1-MILE RELAY RACE.**

- '93, Derby, Baker, Andrews, Strong, sub's,
- Farwell, Coombs, Rawson, '94, Gordon, Lin-
- ne1, Heald, Gallagher, Allen, Harris; '95,
- Clement, Field, Albertson, F. E. Wellington,
- O'Connor, F. L. Stone, Harrington; '96, Whit-
- tall, Cunningham, Harris, Merriam, Stone.

**2-MILE SAFETY CYCLE.**

- Buzzell '93, Dodge '93, Plummer '94, Whitney
- '94, Gile '95, Fuller '95, Warren, A. H., '95,
- Higgins '96, Polk '96, Putnam '96.
THE WPI.

45

RUNNING BROAD JUMP.

Derby '93, Newton '93, Proctor, Brigham '95, Stone '95, Leland '93, Sanford '95, Whittall '96, Zaeder '96, Sibley '96.

2-MILE RUN.


POLE VAULT.


PUTTING SHOT.

Derby '93, Butterfield '93, Proctor, Boyden '94, G. P. Davis '95, H. S. Davis, '93, Leland '95, Brigham '95, Lamson '96, Putnam '96, Sibley '96, Zaeder '96.

RUNNING HIGH JUMP.

Derby '93, Gallagher '94, Proctor, Brigham '95, Morgan '95, Field '95, Martin '95, Morse '95, Sibley '96, Zaeder '96.

THROWING THE HAMMER.

Derby '93, Butterfield '93, Boyden '94, Proctor, Leland '95, Killam '95, Brigham '95, Zaeder '96, Lamson '96, Sibley '96, Crawshaw '96.

1-MILE WALK.

Strong '93, Butterfield '93, McFarland '94, Harris '94, Tilden '96.

440-YARD DASH.


1-MILE RUN.


BANJOS AND GUITARS AT UNITY.

On the evening of May 23d, for the second time within a month, a portion of the Tech Banjo and Guitar Club played at Unity Church before an appreciative audience. The club was made up of: Banjos; Boyden, '94, Chambers, '95, Gifford, '96, and Harris '94. Guitars; Gage, '93, and Lamson, '96. After the enter-

tainment refreshments were served. The club has made excellent progress in the past six months under the able training of Prof. Fisher.

TECH IS NOT BEATEN.

Trinity did not score against Tech last Wednesday morning at Agricultural Park. The day, with the exception of a strong wind, was perfect for ball playing. Cullen, '96, covered third base in place of Harris, '96, who was playing right field. Tech won the toss and took the field promptly at 10 o'clock. They were the sole possessors for an hour and a half after which they donned their dress suits and quietly dispersed, while the seventeen persons who had paid admission went sorrowfully to the box office where their quarters were returned. For some unexplained reason Trinity did not show up.

N. E. I. A. A. MEET.

With perfect conditions of weather and track, it is small wonder the intercollegiate games attained the success that they did. From Tuesday afternoon until Wednesday night, the city was in the possession of eager collegians. Bowdoin was the first to appear on the scene, coming from Boston Tuesday afternoon; the team with its supporters made the Lincoln House its headquarters. Dartmouth and Williams arrived shortly after 6 o'clock, after a tiresome ride of six hours over the Fitchburg road. The Dartmouth men went from the Lincoln Square station to the Bay State House while Williams preferred the Colonnade.

Wednesday morning Amherst came on a special with a delegation of two hundred. Wesleyan and Amherst were both located at the Commonwealth. All Tuesday evening, the hotel corridors were filled with the adherents of the different colleges, anxiously speculating on their chances. Little could be ascertained as the members of the teams gave out only information which was already public property.

Tuesday afternoon, a meeting of the executive committee was held in the Bay State House. The members present were F. W. Beekman, Amherst; H. T. Noyes, Jr., Amherst; H. A. Rose, Bowdoin; W. T. Dorrance, Brown; W. M. Ames, Dartmouth; and M. B. Chase, Worcester. As a misunderstanding had existed in regard to whom entries should be sent, it was voted to accept all entries received up to that time. Dartmouth's protest of T. E. Tenney of Amherst who was entered for the bicycle race was sustained by the committee as he had been a member of Amherst only five months, while the constitution requires one year.
The committee adjournd till 7 o'clock P.M. At that time, a special meeting was held. It was decided to run the quarter mile in heats and to allow the first three men in each heat to run in the finals. There was very little to be done as the committee of the W. A. C. had attended to the details of the meet.

As the sports were advertised to begin promptly at two o'clock the crowd began to collect at the depot before one and when the men got on the scratch for the first heat of the 100 yards dash fully 3000 persons were present. The grounds were tastefully decorated with the colors of the competing colleges. The extreme right of the grand-stand bore the purple and white of Amherst while over the section assigned to W. P. I. the steel gray and crimson floated. If the day had been dedicated to the ladies probably no more of them would have been present and they did quite as much to cheer their favorites on to victory as did their escorts. Nearly everybody wore the colors of one of the competing colleges, and some of the fair maidens, not to offend their admirers, donned the colors of more than one institution. Here are the colors of the colleges that were shown on the grounds.

Amherst—Purple and white.
Bowdoin—White.
Brown—Brown and white.
Dartmouth—Green and white.
Trinity—Green and gold.
Vermont—Straw and dark green.
Wesleyan—Cardinal and black.
Williams—Royal purple.
Worcester—Steel gray and crimson.


There were 39 entries in the 100 yards dash. Six men were started in a heat. Welton of Dartmouth won the first in 10 2-5 seconds with Twitchell of Amherst second. M. C. Allen started in the second heat, he ran well but was in too fast company. Patterson of Williams won, with Weeks second, time 10 2-5 seconds. The third heat went to McKay who led by two yards, in 10 2-5 seconds. Aldrich second. The next heat was won by Straight of Brown, in 10 2-5 seconds. Cushing, another Brown man, won the fifth in the same time. The sixth went to Brooks who won in 10 3-5, with F. L. Stone second. The heat for second men resulted in a victory for Weeks.

When the 21 men toed the scratch for the half-mile run, new life was infused into the Tech section. The Tech had placed their hopes on Gallagher and it was not in vain; he looked like a winner until the last lap, but Dunbar of Amherst passed him within 50 yards of the finish, Gallagher was a good second, with Hall of Dartmouth third. Time 2 m. 5 4-5 s.

The third event was the 120 yards hurdle race, which was run in two heats. Chase of Dartmouth won the first heat in 17 sec., Lyon captured second, Field of the Tech finished third. The second heat went to Russell of Amherst with Briggs second.

In the two-mile bicycle there were two heats and Worcester had a man in each, Plummer and Higgins. At the start, Bliss of Amherst pushed to the front, followed closely by Plummer and Aldrich. When the mile was finished, it was seen that Bliss and Plummer were the only ones left in the race. Aldrich dropped out at this point and Bliss pedalled along with the Worcester man at his wheel. In the finish, Plummer made a final effort, but was unable to pass his opponent. The time, 6 min. 1 sec., was considerably below the record.

Higgins was the only Worcester man in the second heat and had to drop out before the first mile was finished. Pratt, last year's champion, took the lead, but soon gave it up to Hoyne of Williams, who in turn lost it again to the Amherst man. In the fifth lap Hoyne again got the lead and finished first in 6 min. 3 4-5 sec. Pratt had to be satisfied with second place. In the final heat, the four men formed a procession with Bliss in the lead, followed by Hoyne, Plummer and Pratt. Plummer was riding in good form until the fourth lap when his wheel got away from him and he fell amid groans of disappointment from the Tech men. Bliss won by ten yards in 5 min. 50 3-5 sec., making a break of over 22 seconds in the record. Pratt and Hoyne took second and third.

Twenty-two men started in the 440, which was run in three heats. Claggert of Dartmouth won his heat easily in 53 1-2 sec. Anderson of Wesleyan and Goodrich of Williams were second and third.

Allen, Harrington and Albertson were Worcester's starters in the second heat. Allen sprang to the lead and won his heat in 54 2-5 sec. Marvel of Brown was second and Harrington
surprised Worcester men by winning third. The third heat was not very fast, but was intensely exciting. Casey of Brown led until the stretch was reached, when Chase and Brooks of Amherst sprinted by him and won in that order amid Amherst cheers. At the pistol shot in the final heat, Claggett sped to the lead, closely followed by Allen. The pace was too hot for the little Worcester runner, who was beaten out of a place in the last 50 yards by Brooks and Anderson; Brooks got second by a neck. The time was 52 seconds.

The mile run was a phenomenal event both in time and finish. Parks and Wellington were the only Tech men in the field of fourteen starters. Before the race it was generally conceded that the event lay between Jarvis of Wesleyan and Bugbee of Dartmouth, and that the time would be fast, but the way in which they ran away from the field passed expectations. At the end of the first lap, Bugbee was in the lead with Langmaid, Jarvis, and Parks bunched behind him. When the pack reached the club house, Parks dropped out and was followed by Langmaid of Dartmouth after the three quarters. Wellington lost a shoe and was out of the race. The last quarter was run at top speed with Bugbee and Jarvis far in the lead. As they came into the straight, Bugbee was leading and kept his position until within a yard of the tape, when by a final burst of speed, Jarvis passed him and won by an inch. Pratt of Amherst was third. The half was run in 2 min. 9 sec., and the time for the mile was 4 min. 32 1-5 sec., cutting over 3 seconds from Well's record.

The ten starters in the 220 hurdle ran in three heats. There was also a heat for second men, to determine who should run in the final. Ide of Dartmouth, who holds the record for this event, won in a canter in 26 2-5 sec. Field, of Worcester, made a fight against Lyon, of Dartmouth, but was beaten out. Briggs, of Wesleyan, who won second in the 120 hurdles, easily won his heat in 28 3-5 sec. with Jeffrey's of Williams second. The third heat went to Cushing, of Brown, in 27 4-5 seconds. Dana, of Amherst, barely beat Garfield, of Williams, for second place. Lyon won the heat for second men in 27 4-5 seconds after a hard struggle with Dana. Everyone expected to see Ide win the final heat and he would have done so but for hard luck. He fell over the first hurdle, but was up and after the others like a flash. He was in the lead when he again fell and destroyed his chance of winning. Briggs also fell and could not regain the lost ground. Lyon, however, won the event for Dartmouth in 27 sec. with Cushing second. Ide was third.

There were five heats in the 220-yard dash and only winners were allowed to start in the final. After some delay and discussion whether to run between the ropes or not, it was decided to give up the idea on account of the sharp curves which such an arrangement would necessitate. Twitchell of Amherst was the winner of the first heat in 21 3-5 sec., although he mistook the finish line and nearly lost his place. Weeks won his heat in 24 sec. Ide, the favorite, captured the third heat in 24 3-5 sec. In the fourth heat, McKay of Dartmouth darted well into the lead, but had the misfortune to stumble when a few feet from the tape. His college mate, Eldred, took the heat in 24 1-5 sec. Killam, Denny, and Stone were the Worcester men in the fifth heat. Killam started to win, but when 50 yards from the finish, he saw Allen of Williams coming up and lost heart and dropped. Stone ran a good race and took second. The time was 25 1-5 seconds. As was expected, Ide won the final, although the time, 23 2-5 sec. was slower than that of last year. Eldred took second and Weeks, third.

The mile walk was a very exciting event and one on which Worcester based some hopes. Strong, Butterfield, Harris and Tilden were entered for Tech. There were fourteen starters, but before the end of the second lap about one-half of the contestants were either called off the track or else dropped out of their own accord. Houghton crossed the line first after a very brilliant exhibition of walking, only a few inches ahead of Nye of Dartmouth. Strong crossed third and the Techs were rather disappointed, but it did not last long, for Nye had been ruled off within a few feet of the tape leaving Strong second. Houghton's time was 7 min. 19 4-5 sec., 1-5 of a second under the record. Chase of Wesleyan was third.

In the two-mile run there were eighteen starters, two from Worcester, Parker and Cunningham. Although Parker had trained none for the race he showed remarkable strength and finished third. Jarvis of Wesleyan, and Sharpe of Brown had a hot fight for first, and Jarvis only passed Sharpe, who was leading, within the last few feet. Jarvis's time was 10 min. 8 2-3 sec., a big drop from the record. Parker's time wasn't taken but undoubtedly it would have been under the record.

The field events were started promptly at two o'clock with the pole vault. Derby was looked to for a place in this event and the hopes were not in vain. It took about an hour to decide who were to have the points and then the ones who were to receive the trophies had to be chosen by lot. Following is the score:—H. L. Towne, Williams, 10 ft. 6 in., J. A. Derby, Worcester, 10 ft. 4 in., M. H. Dunning, Amherst, 10 ft.
4 in., E. O. Smith, Wesleyan, 10 ft. 4 in., A. A. Ewing, Amherst, 10 ft., A. H. Blake, Dartmouth, 9 ft. 6 in., A. B. Hotchkiss, Vermont, 9 ft. 6 in. The four points were divided between Worcester, Amherst and Wesleyan and in drawing for the medals Derby drew the silver and Dunning the bronze one.

In event number 18, putting the shot, Brigham and Leland were the only men who contested for Worcester. Carter of Trinity took first place with 37 ft. 6 in., Brigham second with 36 ft. 5 in. and Smith of Brown third with 35 ft. 4 1-4 in. Leland put 31 ft. 1 1-4 in.

In the running high jump there was very little excitement or good jumping. The score:—McComber, Brown, 5 ft. 4 3-4 in., Lewis, Dartmouth, 5 ft. 3 1-4 in., Arnold, Brown, 5 ft. 2 1-2 in., Anderson, Wesleyan, 5 ft. 1-2 in.

Brigham was the only contestant from Tech in throwing the hammer. He threw 87 ft. 10 in. The winners were:—Ellis, Brown, 98 ft. 3 1-2 in., Carter, Trinity, 92 ft. 4 in., Cutts, Wesleyan, 91 ft. 5 in.

In the running broad jump the winners were:—Welton, Dartmouth, 21 ft. 1 in., McComber, Brown, 19 ft. 11 3-4 in., Chase, Dartmouth, 19 ft. 5 in.

The points won by the different colleges in each event follows.

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<th>Bowdoin</th>
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**AMHERST CONCERT.**

The Amherst College Glee and Banjo Clubs gave a concert in Mechanics Hall last Wednesday evening under the auspices of the Lakeside Boat Club. These clubs are favorites in Worcester and this time, as on former occasions, a large and appreciative audience listened to sixteen well rendered selections with numerous encores. Both clubs upheld their firmly established reputation and the honors were divided between them.

Dartmouth men, who occupied two front rows in the centre section of the hall contributed their part to the entertainment by giving their yells occasionally. A few Amherst men in the rear also made themselves heard. Through the kindness of the Lakeside Boat Club members of the New England Intercollegiate Press Association who were in the city were provided with complimentary tickets. The following programme was rendered:

**PART I.**

Glees: Song to Alma Mater.
Old Amherst,
Normandie March,
Banjo Club.

Glees: "Now to the Dance."
Maid of Philippopolis.
Bedalia Jane McCann.
Solo by Mr. Smith.
Airs from "The Sphinx."
The Banjo Club.

Glees: The Temptation,
The Octette.

From "The Fencing Master."
The Best People.
Solo by Mr. Porter.
(Intermission.)

**PART II.**

Glees: "Few Days."
Solo by Mr. French.
Hey Diddle Diddle.
She Had to Decline.
Solo by Mr. Olmsted.

Pot-Pourri: Steamboat Dance.
Darkey's Awakening.
The Banjo Club.
Amherst Medley.
The Glee Club.

During the intermission, announcement was made that a complimentary dance was to be tendered to the members of the Glee and Banjo Clubs. As soon as the programme was completed, the management began to clear the hall of the seats and to make preparations for the dance. The badges were of white ribbon decorated with a representation of the Lakeside Boat Club pin. Soon after 10 o'clock everything was in readiness and the entire floor of the spacious hall was filled with the forms of the college men and their lady friends. Viewed from the balcony, the floor presented a very attractive and animated appearance, enlivened by the attractive costumes and brightened by the flash of colors on fans which showed where the sympathy of the owners
lay. The dancing continued without a break until midnight, when the gay company separated to look forward to a repetition of the affair in a succeeding year.

THE WPI.

N. E. I. P. A.

The annual banquet of the New England Intercollegiate Press Association was held on the evening of May 24th. Directly after the concert by the Amherst musical clubs in Mechanics Hall the delegates began to collect in the parlors of the Bay State House and at a little after ten the meeting was called to order. A very interesting and instructive paper on "The Effective Editorial" was read by Mr. F. L. Dunham of the University Cynic, University of Vermont. After this some business was transacted. The following officers were chosen for the ensuing year:

President, Amherst Student; First Vice-President, University Cynic; Second Vice-President, Wellesley Magazine; Third Vice-President, Brown Daily Herald; Recording Secretary, Trinity Tablet; Corresponding Secretary and Treasurer, Brown Magazine; Official Organ, Brunonian; Executive Committee, WPI (Chairman), Brunonian, Mount Holyoke, Wesleyan Argus, Tuftonian.

At eleven o'clock thirty-two delegates from fourteen different college papers sat down to a repast served in the dining-room of the Bay State. After all had thoroughly discussed the menu Mr. C. C. Barton, Jr., of the Trinity Tablet, who served as Toastmaster, called the company to order. In a few very pleasing words he introduced E. W. Davenport of the WPI to answer to the toast of "Home, Sweet Home, or Worcester vs. Springfield," Mr. Snyder of Wesleyan answered to "Yale Luck," Miss Bennett of the Wellesley Magazine responded very gracefully to a toast "College Aquatics," Miss Gund of the Mount Holyoke on "The Fashions," Mr. D. Goosh of the Tuftonian on "Athletics," E. W. Wyman of Amherst Lit. "The Editorial Sanctum" and Mr. Hazeltine of the Brunonian on "N. E. I. P. A." All had something to say and all said it in a very pleasing manner. The meeting adjourned shortly after one.

ALPHA DELTA PHI.

On the evening of May 24th, delegates from all the New England Chapters of the Alpha Delta Phi fraternity participated in a banquet at Colonial Hall. It had been intended to begin at 6.30 in order that delegates from distant colleges might take trains that evening, but, owing to the late hour to which the games were prolonged, it was nearly an hour after the appointed time before all had assembled. After the forty odd members had discussed the elaborate menu, toasts filled the time until 10 o'clock, when the company broke up. As it is the first affair of the kind ever attempted in connection with the intercollegiate games, the members of the fraternity are congratulating themselves over the success of the occasion.

TECHNICALITIES.

The Junior chemists are engaged in the analysis of iron ores.

The State Intercollegiate oratorical contest took place in Association Hall, Philadelphia, May 20th.

The editors of the Pennsylvaniaian are contemplating the publishing of a daily in place of the present bi-weekly.

The first paper of a series of articles on student life in the foreign universities appears in The Red and Blue of May 10th.

A large number of Techs were present and aided in the cheering at the High School field sports which were held Friday, May 19th.

Inspector (at the penitentiary): "I understand that measles broke out three days ago."

Warden: "Yes; but the guards caught them."

A scientific expedition from the University of Iowa left Baltimore about May 1st for a voyage of scientific research among the Bahama Islands.

Cards were received a few days ago from Thos. S. Stephens. He is representative of the Rhode Island Locomotive works at the Columbian Exposition.

The schedule for the semi-annual examinations has been posted and every one now knows what to anticipate for each day during the first week in June.

Francis W. Treadway, '90, is senior partner of the firm of Treadway & Marlott, attorneys at law, in the Society for Savings Building, Cleveland, Ohio.

Division A of the Junior class fully appreciate the kindness of the professors who have changed the time of recitations, simply as a favor, during the last two weeks or more.

The tennis courts are now in fine condition, and are much used by members of the tennis association. Messrs. Butterfield, '93, and Bishop, '94, have general supervision of the grounds.
The officers and faculty of the Chicago University have adopted, by mutual consent, the uniform apellation of "Mr." in their intercourse with each other.

The regular semi-annual meeting of the Central Intercollegiate Press Association was held Saturday morning, May 20th, in the Colonnade Hotel, Philadelphia. The business session was followed by a banquet.

F. W. Smith and Charles Green, who were home on a furlough last week, visited the Institute. They are soon to start on a cruise to foreign countries. The gold braid is growing on Frank's uniform; he is now cadet first officer.

First Alumnus: "And what became of our valedictorian who spoke so learnedly on the demonetization of silver?"

Second Alumnus: "He's taking the bichloride of gold cure."

Instructor: "What is the electric unit of power?"

Student: "Ampere."

Ins.: "W(h)att?"

Stu.: "Volt."

Ins.: "W(h)att? Well (indistinctly)—I—guess—you don't know w(h)att it is."

Stu.: "What?"

Ins.: "That's it. Watt."

The Board of Editors of the Ninety-three Aftermath have finished their duties, all the material having been sent to the publishers. The book will appear about Commencement time and the Board promises that it will be ahead of any other class book ever published at the Institute. The edition will be limited to five hundred and it is requested that those who wish copies will send their orders to A. D. Flinn, 6 King St. The price is one dollar, by mail one dollar and twenty-five cents.

At a meeting of the Executive Committee of the Alumni Association held Oct. 25, 1892, the Treasurer was authorized to make an assessment of $1.00 upon each member of the Association, accordingly the members have received envelopes accompanied by a card on which is printed:

**Wanted $1.00**

But 2.00 or 5.00 will fit equally well

Don't stop to make change

Your envelope "hath a lean and hungry look."

(Apolgies to Shakespeare.)

Admirable description of your Treasury not altogether inapplicable to your Treasurer.

Hasten then with the help that in you lies by returning the above **FULL.**

"Darling," she said to her husband, as they sat on the roll of parlor carpet in the house into which they had just moved, "I wish this roll of carpet was velvet." "Do you? Well I don't." "What do you wish?" "That it was down."
The WPI. iii

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